



SOUTHERN CALIFORNIA
ASSOCIATION OF GOVERNMENTS
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MEETING NO. 624

REGIONAL COUNCIL

REMOTE PARTICIPATION ONLY

Thursday, September 3, 2020

1:00 p.m. – 3:00 p.m.

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Call-in Number: 1-669-900-6833

Meeting ID: 249 187 052

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Given recent public health directives limiting public gatherings due to the threat of COVID-19 and in compliance with the Governor’s recent Executive Order N-29-20, the meeting will be held telephonically and electronically.

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Peter Waggoner at (213) 630-1402 or via email at waggoner@scag.ca.gov. Agendas & Minutes are also available at: www.scag.ca.gov/committees.

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order to participate in this meeting. SCAG is also committed to helping people with limited proficiency in the English language access the agency’s essential public information and services. You can request such assistance by calling (213) 630-1402. We request at least 72 hours (three days) notice to provide reasonable accommodations and will make every effort to arrange for assistance as soon as possible.



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You may submit public comments in two (2) ways:

1. Submit written comments via email to: ePublicComment@scag.ca.gov by 5pm on Wednesday, September 2, 2020.

All written comments received after 5pm on Wednesday, September 2, 2020 will be read by SCAG staff (up to 3 minutes, with the presiding officer retaining discretion to adjust time limits as necessary to ensure efficient and orderly conduct of the meeting) during the Public Comment Period and included as part of the official record of the meeting.

2. If participating via Zoom or phone, during the Public Comment Period, use the “raise hand” function on your computer or *9 by phone and wait for SCAG staff to announce your name/phone number. SCAG staff will unmute your line when it is your turn to speak. Limit oral comments to 3 minutes, or as otherwise directed by the presiding officer.

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In accordance with SCAG’s Regional Council Policy, Article VI, Section H and California Government Code Section 54957.9, if a SCAG meeting is “willfully interrupted” and the “orderly conduct of the meeting” becomes unfeasible, the presiding officer or the Chair of the legislative body may order the removal of the individuals who are disrupting the meeting.

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3. Select “Join Audio via Computer.”
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5. During the Public Comment Period, use the “raise hand” function located in the participants’ window and wait for SCAG staff to announce your name. SCAG staff will unmute your line when it is your turn to speak. Limit oral comments to 3 minutes, or as otherwise directed by the presiding officer.

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2. Enter the **Meeting ID: 249 187 052**, followed by #.
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4. You will hear audio of the meeting in progress. Remain on the line if the meeting has not yet started.
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- 3. Hon. Jan C. Harnik**
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 - 38. Hon. John Lee**
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 - 39. Randall Lewis**
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 - 40. Hon. Steven Ly**
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Southern California Association of Governments
Remote Participation Only
Thursday, September 3, 2020
1:00 PM

The Regional Council may consider and act upon any of the items on the agenda regardless of whether they are listed as Information or Action items.

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

(The Honorable Rex Richardson, President)

PRESENTATION

*(The Honorable Eleni Kounalakis, Lieutenant Governor of California) **

PUBLIC COMMENT PERIOD

The public is encouraged to submit comments by sending an email to ePublicComment@scag.ca.gov. Written comments will be read by SCAG staff up to three (3) minutes and included as part of the official record of the meeting. The Chair has the discretion to reduce the time limit based upon the number of e-comments received and may limit the total time for all public comments to twenty (20) minutes.

REVIEW AND PRIORITIZE AGENDA ITEMS

ACTION/DISCUSSION ITEM/S

1. Final Connect SoCal Technical Refinements and PEIR Addendum
(Sarah Jepson, Planning Director)

RECOMMENDED ACTION FOR CEHD AND TC:

Receive and File

RECOMMENDED ACTION FOR EEC:

Information Only – No Action Required

RECOMMENDED ACTION FOR JOINT POLICY COMMITTEES:

Recommend that the Regional Council adopt Resolution No. 20-624-1 to 1) adopt the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (Connect SoCal or Plan) Program Environmental Impact Report (PEIR) Addendum and Revised Mitigation Monitoring and Reporting Program; 2) approve Connect SoCal in its entirety; and 3) submit Connect SoCal to the California Air Resources Board (ARB) for confirmation that the Plan meets greenhouse gas (GHG) reduction targets.

RECOMMENDED ACTION FOR RC:

Adopt Resolution No. 20-624-1 to 1) adopt the Connect SoCal PEIR Addendum and Revised Mitigation Monitoring and Reporting Program; and 2) approve Connect SoCal in its entirety; and 3) submit Connect SoCal to ARB for confirmation that the Plan meets GHG reduction targets.

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2. 2020/2021 Sustainable Communities Program Guidelines – Active Transportation & Safety Call for Applications

(Sarah Jepson, Planning Director)

RECOMMENDED ACTION FOR CEHD AND EEC:

Receive and File

RECOMMENDED ACTION FOR TC:

Recommend Regional Council approve the 2020/2021 Sustainable Communities Program (SCP) Guidelines and authorize staff to release the Active Transportation & Safety Call for Applications.

RECOMMENDED ACTION FOR RC:

Approve 2020/2021 Sustainable Communities Program (SCP) Guidelines and authorize staff to release the Active Transportation & Safety Call for Applications.

3. Subregional Partnership Program Guidelines

(Sarah Jepson, Planning Director)

RECOMMENDED ACTION FOR CEHD:

Recommend that the Regional Council approve the Subregional Partnership Program Guidelines and authorize the SCAG Executive Director or his designee to enter into agreements with the designated subregional partners under this Program, as applicable.

RECOMMENDED ACTION FOR RC:

Approve the Subregional Partnership Program Guidelines and authorize the SCAG Executive Director or his designee to enter into agreements with the designated subregional partners under this Program, as applicable.

CONSENT CALENDAR

Approval Items

4. Minutes of the Meeting - July 2, 2020
5. Approval for Additional Stipend Payments
6. Resolution No. 20-624-2 Approving Amendment 2 to the FY 2020-21 Overall Work Program (OWP)
7. Memorandum of Understanding (MOU) with the Center for Demographic Research
8. Legislative Platform Mid-Year Update
9. Contracts \$200,000 or Greater: Contract Nos. 19-052-C1 through 19-052-C10, Information Technology (IT) Technical Project Resources
10. Contracts \$200,000 or Greater: Contract No. 19-066-C02, Aerial Imagery and Related Products and Services - County of Los Angeles

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11. Contracts \$200,000 or Greater: Contract No. 19-066-C03, Aerial Imagery and Related Products and Services – County of Riverside
12. Contracts \$200,000 or Greater: Contract No. 20-050-C01, El Monte Vision Zero Action Plan
13. Contracts \$200,000 or Greater: Contract No. 20-052-C01, La Puente Safe Routes to School Master Plan
14. Contracts \$200,000 or Greater: Contract No. 20-074-C01, Palmdale Avenue Q from Sierra Highway to 20th Street East Complete Streets Project
15. Contracts \$200,000 or Greater: Contract No. 20-076-C01, Cities of Pasadena and Azusa Pedestrian Master Plans
16. Contracts \$200,000 or Greater: Contract No. 20-082, City of Cerritos Remote Services Enhancement Project
17. Contracts \$200,000 or Greater: Contact No. 21-012-C01, Microsoft Enterprise Software License Agreement
18. Contract Amendment \$75,000 or Greater: Contract No. 18-028-C01, Regional Transportation Plan (RTP) Implementation and Technical Assistance Services, Amendment No. 4
19. Contract Amendment Greater Than 30% of the Contract's Original Value: Contract No. 20-037-C01, Go Human Advertising & Engagement Campaign, Amendment No. 3
20. SCAG Memberships and Sponsorships

Receive and File

21. Connect SoCal - Aligning Implementation with Pandemic Response
22. Connect SoCal - Emerging Issues and Trends for Future Planning
23. Draft Regional Housing Needs Assessment (RHNA) Allocations
24. 2021 Active Transportation Program Regional Guidelines Schedule Update
25. September State and Federal Legislative Update
26. Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 - \$74,999
27. CFO Monthly Report

BUSINESS REPORT

(Randall Lewis, Ex-Officio Member)

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PRESIDENT'S REPORT

(The Honorable Rex Richardson, President)

EXECUTIVE DIRECTOR'S REPORT

(Kome Ajise Executive Director)

- Recognition of Chief Financial Officer Retirement

FUTURE AGENDA ITEM/S

ANNOUNCEMENT/S

ADJOURNMENT

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Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Community
Economic & Human Development Committee (CEHD)
Energy & Environment Committee (EEC)
Transportation Committee (TC)
Joint Policy Committees (CEHD, EEC and TC)
Regional Council (RC)
From: Kome Ajise, Executive Director, Executive Management, 213-236-1835, Ajise@scag.ca.gov
Subject: Final Connect SoCal Technical Refinements and PEIR Addendum

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION FOR CEHD AND TC:

Receive and File

RECOMMENDED ACTION FOR EEC:

Information Only – No Action Required

RECOMMENDED ACTION FOR JOINT POLICY COMMITTEES:

Recommend that the Regional Council adopt Resolution No. 20-624-1 to 1) adopt the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (Connect SoCal or Plan) Program Environmental Impact Report (PEIR) Addendum and Revised Mitigation Monitoring and Reporting Program; 2) approve Connect SoCal in its entirety; and 3) submit Connect SoCal to the California Air Resources Board (ARB) for confirmation that the Plan meets greenhouse gas (GHG) reduction targets.

RECOMMENDED ACTION FOR RC:

Adopt Resolution No. 20-624-1 to 1) adopt the Connect SoCal PEIR Addendum and Revised Mitigation Monitoring and Reporting Program; and 2) approve Connect SoCal in its entirety; and 3) submit Connect SoCal to ARB for confirmation that the Plan meets GHG reduction targets.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

EXECUTIVE SUMMARY:

Staff has completed the final Connect SoCal with technical refinements, prepared per direction of the Regional Council (Resolution No. 20-621-1), and confirmed the Plan continues to meet federal

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transportation conformity requirements and achieves state per-capita GHG reduction targets. The technical refinements, which were presented to the policy committees and Regional Council on July 2, 2020, included minor revisions to the Sustainable Communities Strategy (SCS) data to better reflect entitlements as conveyed by local jurisdictions. The limited nature of these technical refinements within a regional planning context resulted in slight changes to specific performance measures as reflected in Attachment 1. Over 75 percent of the modeling results remain unchanged. Staff is recommending approval of the final Connect SoCal with these modified performance outcomes. In addition, staff is recommending that the adopting resolution and final Connect SoCal include clarifying language to the Growth Forecast Guiding Principles to re-enforce that the subjurisdictional Transportation Analysis Zone (TAZ)-level data is used by SCAG for regional modeling purposes and may not be used to determine consistency or inconsistency with Connect SoCal, which is adopted at the jurisdictional-level.

Staff is also recommending adoption of the Connect SoCal PEIR Addendum (Attachment 2) which evaluates the technical refinements and addresses PEIR comments received after the formal comment period, specifically two comment letters from the Center of Biological Diversity (CBD) received on May 1, 2020 and May 6, 2020. Staff has determined that the technical refinements fall within the analyses in the certified Final PEIR and responses to the CBD letter resulted in clarification and additional information that would not result in additional analysis or environmental impacts. Therefore, an Addendum is the appropriate level of environmental documentation for consideration by the Regional Council along with the certified Final PEIR for the approval of Connect SoCal.

The timely approval of Connect SoCal in its entirety will enable SCAG staff to proceed with distribution of the Draft RHNA Allocations to local jurisdictions and submit Connect SoCal to ARB for confirmation that the Plan will meet per capita greenhouse gas (GHG) reductions targets if implemented—ensuring the region’s eligibility and competitiveness for roughly \$1.4 billion requested from state transportation funding programs. Plan approval will also enable staff to proceed with implementing activities designed to support pandemic recovery efforts as further outlined in Connect SoCal Implementation Strategy, which has been provided to policy committee members and the Regional Council as a separate report. The final Plan aims to address the direction of the Regional Council provided in Resolution No. 20-621-1 and secure full adoption of the Plan in its entirety.

BACKGROUND:

Connect SoCal (2020-2045 Regional Transportation Plan/Sustainable Communities Strategy) is a long-range vision that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. Over 4,000 individual transportation capital projects and programs, advanced through local and countywide plans, form the foundation of Connect SoCal. The implementation of the plan is

anticipated to generate and support 168,400 annual jobs stemming from direct transportation investments and 264,500 jobs annually from the enhanced economic competitiveness that infrastructural improvements will provide. SCAG completes a comprehensive update of the plan every four-years to update the growth forecast, integrate new projects and programs funded by the six county transportation commissions, confirm alignment with federal and state performance standards and environmental requirements, and to review and refine regional strategies to address gaps in achieving the region's vision for greater mobility, sustainability and economic prosperity. The plan is a "living" document that can be amended and refined in between the four-year cycles, as necessary, to address regionally significant changes in transportation programs and funding. The final Connect SoCal outlines more than \$638 billion in transportation system investments through 2045. It was prepared through a collaborative, continuous and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura.

In light of the unique challenges that the COVID-19 pandemic presents to our region, SCAG's Regional Council directed staff to conduct additional outreach with stakeholders to better understand how Connect SoCal could be impacted in these unique times. Staff was also directed to engage with local jurisdictions to make refinements to the Plan's growth forecast in relation to entitlements, and to conduct analysis on the differences within the Sustainable Communities Strategy (SCS) and locally-approved General Plans. Regional Council Resolution No. 20-621-1 established a 120-day timeframe to conduct this work following the May 7, 2020 adoption of Connect SoCal for federal transportation conformity purposes only. The Resolution also postponed the date by which the Regional Council would be asked to consider approval of Connect SoCal in its entirety and for all other purposes, including but not limited to submittal to ARB.

Based on direction from the Regional Council, SCAG staff engaged in several outreach activities during summer 2020 to fulfill the expectations under Resolution No. 20-621-1:

- To learn more from stakeholders about how their communities had been impacted by the pandemic and to learn how Connect SoCal could best be positioned as a tool for recovery and regional resilience, SCAG engaged with regional planning working groups, conducted direct outreach to specific stakeholders, held focus groups with community-based organizations, completed a public survey, and held a public virtual town-hall;
- On the topic of entitlements, SCAG conducted targeted outreach in May and June to jurisdictions where quantitative analysis suggested the need for direct discussion, and SCAG also welcomed all jurisdictions to again review SCAG's growth forecast to ensure entitlements (with anticipated phasing) were captured and general plan maximums were reflected;
- In identifying and quantifying differences within the SCS and locally-approved General Plans, SCAG conducted quantitative analysis to compare Connect SoCal's growth forecast (a modeling

- input for the SCS) with local general plan dwelling unit capacities, and sought feedback from local jurisdictions on general plan capacities and entitlements in late May and early June; and
- SCAG staff provided an update on these activities and described the technical refinements to the SCS and associated modeling and analysis at the July 2 meetings of SCAG's Policy Committees and Regional Council.

Summary of Findings and Final Plan Modifications:

Feedback from the COVID-19 related outreach efforts reaffirmed some of the known challenges in the region, such as housing affordability, but also raised new concerns such as declines in forecasted revenues and the persistence of unaddressed inequities. Many stakeholders highlighted data and trends related to the development of Connect SoCal that had been disrupted by the pandemic. Since updated data on impacts from the pandemic is limited and the longer-term trajectory of recent trends is yet to be determined, SCAG staff recommend that any necessary changes based on impacts from the pandemic be reflected in the 2024 RTP/SCS. Potential updates are articulated, along with other emerging trends, in the **2024 Connect SoCal Emerging Issues Outlook** staff report as part of this same September 3, 2020 Regional Council meeting. Staff also developed a **Connect SoCal Implementation Strategy** that aligns SCAG's work programs with the immediate public health, safety, racial justice, resilience, local capacity building and technical assistance, inclusive economic recovery, and fiscal challenges faced by the region and raised by stakeholders through the outreach process. One key takeaway from the outreach activities is that Connect SoCal's goals and strategies, which are directed at encouraging regional economic prosperity and global competitiveness, remain deeply relevant, and they are arguably even more important now, as we prepare to work together to address a multitude of planning issues. We now have the opportunity through the adoption and implementation of Connect SoCal to ensure that as we emerge from the pandemic, we enact policies and strategies that result in a more healthy, livable, sustainable, and resilient region.

For SCAG's engagements this summer with the region's towns, cities, and counties on the topics of entitlements and general plan capacities for the Connect SoCal growth forecast, and as presented at the July 2, 2020 policy committees and Regional Council meetings, twelve jurisdictions provided feedback to SCAG – with six asking for adjustments due to general plan capacities and/or entitlements, and others specifically asking that the growth forecast not be changed for their jurisdiction at all. For the six jurisdictions requesting revisions, SCAG made refinements to the growth forecast for jurisdictions in Los Angeles, Orange, and San Bernardino counties – specifically, the cities of Anaheim, Chino, Duarte, Malibu, as well as the unincorporated portions of Los Angeles County and San Bernardino County:

- In total, 5,880 households were shifted in 0.29% of the region's 13,257 Transportation Analysis Zones (TAZs) by local jurisdictions, and 33,037 jobs were shifted in 0.77% of TAZs;

- The largest refinements for growth occurred in Los Angeles County, where 3,080 households and 24,428 jobs were shifted within the jurisdictions of the City of Duarte, City of Malibu and unincorporated Los Angeles County;
- In Orange County, the City of Anaheim recommended a shift in growth of 2,598 households and 1,645 jobs within their jurisdiction;
- In San Bernardino County, refinements resulted in a growth shift of 202 households and 6,964 jobs within the City of Chino and the unincorporated area of San Bernardino County;
- There were no changes to growth in any TAZs in Imperial, Riverside, and Ventura counties;
- Household and employment shifts occurred within each respective jurisdiction at the TAZ-level (i.e. shifts did not occur across jurisdictional borders);
- The entitled projects reflected in the Forecasted Development Pattern within Connect SoCal did not change, modifications were only requested and made to more accurately reflect these entitlements and their phasing as conveyed by local jurisdictions; and
- The jurisdictional level growth totals were held constant with the May 7, 2020 Connect SoCal Plan.

Although these refinements better help to capture entitled projects and local general plans within jurisdictions, it is important to note that Connect SoCal's TAZ-level growth projections are utilized by SCAG for regional modeling purposes and are not adopted as part of Connect SoCal nor included as part of the Forecasted Regional Development Pattern. The Forecasted Regional Development Pattern for Connect SoCal reflects the policies and strategies of the Plan and includes existing entitlements and development agreements conveyed by jurisdictions (as depicted in the Connect SoCal Sustainable Communities Strategy Technical Report). Connect SoCal does not supersede local jurisdiction authority or decisions on future development including entitlements and development agreements. Further, for purposes of determining consistency with Connect SoCal for CEQA, grant or other opportunities, lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency. Finally, the TAZ-level growth forecast data is not referenced or included as part of the goals and policies of Connect SoCal nor is it included in the associated PEIR.

To emphasize these points in the Plan further, staff will be updating the Growth Forecast Guiding Principles in the Connect SoCal Demographics and Growth Forecast Technical Report, as follows (note that insertions, including a footnote, are underlined):

1. Connect SoCal will be adopted at the jurisdictional-level, and directly reflects the population, household and employment growth projections that have been reviewed and refined with feedback from local jurisdictions through SCAG's Bottom-Up Local Input and Envisioning Process. The growth forecast maintains these locally informed projected jurisdictional growth totals, meaning future growth is not reallocated from one local jurisdiction to another.

2. Connect SoCal’s growth forecast at the Transportation Analysis Zone (TAZ) level is controlled to not exceed the maximum density of local general plans as conveyed by jurisdictions, except in the case of existing entitlements and development agreements. TAZ-level growth projections are utilized by SCAG for regional modeling purposes and are not adopted as part of Connect SoCal nor included as part of the Forecasted Regional Development Pattern. The Forecasted Regional Development Pattern for Connect SoCal reflects the policies and strategies of the Plan and includes existing entitlements and development agreements conveyed by jurisdictions, as depicted in the Connect SoCal Sustainable Communities Technical Report.
3. For the purpose of determining consistency with Connect SoCal for California Environmental Quality Act (CEQA), grants or other opportunities, lead agencies such as local jurisdictions have the sole discretion in determining a local project’s consistency; SCAG may also evaluate consistency for grants and other resource opportunities; consistency should be evaluated utilizing the goals and policies of Connect SoCal and its associated Program Environmental Impact Report (PEIR). However, TAZ-level growth projections for households, employment or population reflected in TAZ Maps may not be utilized to determine consistency or inconsistency with Connect SoCal.¹
4. TAZ-level data or any data at a geography smaller than the jurisdictional-level has been utilized to conduct required modeling analyses and is therefore advisory only and non-binding, given that subjurisdictional forecasts are not adopted as part of Connect SoCal. TAZ-level data may be used by jurisdictions in local planning as they deem appropriate, and Connect SoCal does not supersede or otherwise affect local jurisdiction authority or decisions on future development, including entitlements and development agreements. There is no obligation by a jurisdiction to change its land use policies, General Plan, or regulations to be consistent with Connect SoCal.
5. SCAG will maintain communication with agencies that use SCAG’s subjurisdictional-level data to ensure that the “advisory and nonbinding” nature of the data is appropriately maintained.

The technical refinements to the subjurisdictional-level growth forecast for Connect SoCal resulted in minimal impacts to the anticipated performance results for the Plan. **Importantly, Connect SoCal still achieves federal air quality conformity and the State’s per-capita GHG reduction targets for 2020 and 2035.** When looking at specific performance measures cited in the document, over 75 percent of the modeling results remain unchanged. The scale of these refinements is further illustrated in Attachment 1, and summarized here:

¹ “TAZ-level growth projections” refer to the disaggregation of the regional and jurisdictional population, household, employment growth forecasts developed as part of the final, adopted Connect SoCal, and is in contrast to other TAZ-level data such as locally envisioned growth projections (i.e., “local input”) or the 2016 base-year TAZ-level data developed by SCAG. “TAZ Maps” refer to visualizations in a map format of the TAZ-level growth projections within a TAZ boundary, which may be created by SCAG, and such maps are not developed, included, contained, approved or adopted as part of Connect SoCal.

- Most performance areas that are affected show improvement from the May 2020 modeling results. These include percentage of trips less than 45 minutes by mode during evening peak periods, person hours of delay by facility type, transit use, local infrastructure and services costs to support new housing growth, annual energy and water utilities costs per household, building cumulative energy use and cumulative energy costs, mean commute times for walking and biking; and
- A handful of performance areas show fewer positive results than the May 2020 version but are still showing improvement over the 2045 Baseline Scenario. These include rates of chronic disease for high blood pressure and heart disease, truck delay by facility type, pollution-related health impacts, annual transportation costs per household, and mean commute times for transit and automobiles.

Since the neighborhood-level Connect SoCal growth forecast is utilized as an input to the Regional Housing Needs Assessment (RHNA), pending full Connect SoCal adoption and reflective of the final RHNA Methodology approved in March 2020, the average jurisdiction will see a change in their RHNA number of approximately +/- 1.0 housing unit, with no more than +/- 13 units being the largest change for any jurisdiction as a result of the technical refinements.

Connect SoCal PEIR Addendum:

Technical refinements resulted in minimal impacts to Connect SoCal's performance results, and the Plan continues to achieve federal air quality conformity and meet the State's per-capita GHG reduction targets for 2020 and 2035. As such, staff has prepared an Addendum to the previously certified Connect SoCal PEIR (Attachment 2). The Addendum was prepared in compliance with the California Environmental Quality Act (Pub. Resources Code, § 21000 et seq.; hereinafter "CEQA") and the Guidelines for the Implementation of CEQA (Cal. Code Regs., tit. 14, § 15000, et seq.; hereinafter "Guidelines").

The Draft PEIR was circulated for a 46-day public comment and review period (from December 9, 2019 to January 24, 2020). After this comment and review period (and just prior to the hearing on the PEIR on May 7, 2020), SCAG received two comment letters from the Center for Biological Diversity (CBD) on May 1, 2020, and May 6, 2020, where CBD requested expanded background information related to environmental setting, environmental impacts, and consideration of other mitigation measures.

Response to letters from the Center of Biological Diversity:

Key comments from the CBD letters are as follows:

- **Implementation Authority** – CBD requested that SCAG provide clarification on SCAG’s role in developing the project list and our implementation authority on regionally significant transportation projects.
- **Mitigation Measures** – CBD requested that SCAG provide clarification on how the mitigation measures were designed and to revise or refine the PEIR’s mitigation measures, if possible.
- **Impacts to Biological Resources** – CBD requested that SCAG adequately assess and mitigate impacts to mountain lions (as it is a new candidate under the California Endangered Species Act (CESA)), Joshua Trees, wildlife movement, nitrogen depositions, and habitat loss and connectivity.
- **Air Quality** – CBD requested that SCAG provide additional details and justify the use of 2019 as the baseline condition for the PEIR, provide additional details regarding the Safer Affordable Fuel-Efficient (SAFE) vehicles rule and the Health Risk Assessment.
- **GHG Emissions** – CBD requested that SCAG provide additional details on how we conducted our GHG emissions analysis
- **Wildfire** – CBD requested that SCAG expand the analysis on wildfire impacts to biological resources.

While SCAG is not obligated to respond to late comments, in the interest of providing as much information to the public as possible, SCAG has addressed CBD’s comments and incorporated additional information in the Addendum. The Addendum reflects SCAG’s clarification and addition of information requested by CBD and does not affect the impacts analysis or significance findings discussed in the Final PEIR.

Contents of the Addendum:

The contents of the Addendum are as follows:

- **Chapter 1.0, Introduction** describes the purpose and organization of this document. The introduction includes applicable statutory sections of the Public Resources Code and Guidelines, and a brief planning history.
- **Chapter 2.0, Technical Refinements to the Plan and Environmental Effects** describes the technical refinements and discusses the extent to which the changes would have effects on the environment.
- **Chapter 3.0, Expanded Regulatory and Existing Conditions** discusses refinements to the regulatory framework, existing conditions and analyses.
- **Chapter 4.0, Mitigation Measures** provides a list of refined SCAG and project-level mitigation measures. The proposed SCAG and project-level mitigation measures have been expanded to in the areas of air quality, biological resources, greenhouse gases, and wildlife and to provide additional clarity in terms of roles and responsibilities.

- **Appendix** includes responses to comments received on the PEIR from the Center for Biological Diversity.

Revised Mitigation Monitoring and Reporting Program:

SCAG has prepared a Revised Mitigation Monitoring and Reporting Program (MMRP) (Resolution 20-624-1 – Exhibit A), which updates the MMRP that was adopted on May 7, 2020. The Revised MMRP now reflects SCAG and project-level mitigation measures that were refined in the Addendum.

Errata to the Final Connect SoCal PEIR and Findings of Fact:

SCAG prepared an Errata to the Final Connect SoCal PEIR and Findings of Fact (Resolution 20-624-1 – Exhibit B) to reflect a correction related to the Plan Guiding Principles.

Staff determined that impacts of the Plan with technical refinements fall within the analyses in the Final PEIR and would not result in 1) substantial changes in the Plan that require major revisions to the Final PEIR; 2) substantial changes to circumstances that require major revisions to the Final PEIR due to new significant environmental effects or a substantial increase in the severity of previously identified significant effects; 3) new information of substantial importance which was not known and could not have been known at the time to Final PEIR was certified which shows that the Plan will have more significant effects or substantially more severe effects, infeasible mitigation measures are in fact feasible, or other different mitigation measures which would substantially reduce significant effects are not adopted. Thus, neither a subsequent nor supplemental environmental impact report is required (Pub. Resources Code, § 21166; Guidelines §§ 15162, 15163).

Approval of Connect SoCal:

The approval of Connect SoCal in its entirety provides the basis for SCAG to move forward with various local and state partners to deliver projects and funding programs, regional studies, and pilot projects critical to realizing the vision and outcomes of the Plan. Approval further allows SCAG to submit Connect SoCal to ARB where it will undergo evaluation for meeting the State's GHG reduction target - an essential step for the \$1.4 billion in transportation funding requests submitted to the California Transportation Commission by Southern California's County Transportation Commissions (CTCs) and local agencies to be awarded funding through the Trade Corridor Enhancement Program and the Solutions for Congested Corridors Program (established by the Road Repair and Accountability Act of 2017 commonly known as SB 1). Additionally, approval of Connect SoCal allows SCAG to move forward with the Regional Housing Needs Assessment process and issue

draft RHNA Allocations to local jurisdictions based on the approved RHNA Methodology and consistent with Connect SoCal.

FISCAL IMPACT:

Work associated with this item is included in the current Fiscal Year 2020/21 Overall Work Program (010.0170.01 RTP Support, Development and Policy Implementation and 020.0161.04: Regulatory Compliance).

ATTACHMENT(S):

1. Final Connect SoCal Technical Refinements
2. Connect SoCal PEIR Addendum
3. Presentation on the Connect SoCal PEIR Addendum for the EEC
4. Resolution No. 20-624-1 including Exhibit A (Revised Mitigation Monitoring and Reporting Program) and Exhibit B (Errata to the Findings of Fact for the Connect SoCal Plan)

**Connect SoCal Performance Measures
With Improved Modeling Outcomes Due to Growth Forecast Technical Refinements**

Performance Measure	Category	2016 Base Year	2045 Baseline	Connect SoCal (May 2020)	Comparison to Trend (May 2020)	Connect SoCal (Sept 2020)	Comparison to Trend (Sept 2020)	Difference (actual value)	Difference in Trend Comparison (%)
Percentage of trips less than 45 minutes by mode (PM peak period)	Transit Trips	47.9%	46.7%	47.0%	+0.3%	47.2%	+0.5%	0.2%	0.2%
	HOV Trips	77.1%	78.3%	83.8%	+5.5%	83.9%	+5.6%	0.1%	0.1%
Person hours of delay by facility type	Highway	1,368,523	1,648,575	1,225,521	-25.7%	1,224,572	-25.7%	-949	0.0%
	HOV	138,820	127,650	31,967	-75.0%	31,740	-75.1%	-227	-0.1%
	Arterial	1,466,255	2,006,711	1,525,418	-24.0%	1,523,701	-24.1%	-1717	-0.1%
Transit Use	Total transit boardings	2,074,697	3,030,909	5,068,371	+67.2%	5,070,390	+67.3%	2019	-0.1%
Local Infrastructure & Services Costs	Capital/operations/maintenance costs to support new housing growth	N/A	\$40.3 billion	\$36.8 billion	-8.8%	\$36.4 billion	-9.6%	-\$0.4 billion	0.8%
Annual Costs per Household	Utilities (energy + water)	\$1,900	2,492	2,424	-2.7%	\$2,420	-2.9%	-\$4	0.2%
Building Energy Use Impacts (residential & commercial)	Cumulative energy use (BTUs)	N/A	15,546 trillion	15,408 trillion	-0.9%	15,396 trillion	-1.0%	-\$12 trillion	0.1%
	Cumulative energy costs	N/A	\$671 billion	\$667 billion	-0.7%	\$666 billion	-0.7%	-\$1 billion	0.0%
Mean commute time (minutes)	Walking	32.5	33.1	33.5	+1.2%	33.6	+1.5%	0.1	0.3%
	Biking	12.6	13.5	14.2	+5.2%	14.3	+5.9%	0.1	0.7%

**Connect SoCal Performance Measures
With Fewer Positive Outcomes Due to Growth Forecast Technical Refinements**

Performance Measure	Category	2016 Base Year	2045 Baseline	Connect SoCal (May 2020)	Comparison to Trend (May 2020)	Connect SoCal (Sept 2020)	Comparison to Trend (Sept 2020)	Difference (actual value)	Difference in Trend Comparison (%)
Rates of Chronic Disease	High Blood Pressure	26.9%	26.4%	26.2%	-0.4%	26.3%	-0.4%	0.01%	0.0%
	Heart Disease	4.37%	4.37%	4.35%	-0.3%	4.36%	-0.3%	0.003%	0.0%
Truck delay by facility type	Highway	92,641	186,276	144,401	-22.5%	144,744	-22.3%	343	-0.2%
	Arterial	18,361	32,027	23,308	-27.2%	23,492	-26.6%	184	-0.6%
Pollution-Related Health Impacts	Incidences	N/A	192,400	182,100	-5.4%	182,200	-5.4%	100	0.0%
Annual Costs per Household	Transportation	\$13,008	11,461	10,844	-5.4%	\$10,852	-5.3%	\$8	-0.1%
Mean commute time (minutes)	Transit	68.7	70.9	69.6	-1.8%	69.5	-2.0%	-0.1	-0.1%
	Automobiles	31.4	30.6	27.7	-9.5%	27.8	-9.2%	0.1	0.3%

**Connect SoCal Household and Employment Growth Anticipated to Occur
Between 2016 and 2045 in the SCAG Region**

Connect SoCal Policy Areas	Growth Anticipated to Occur Between 2016 and 2045	(A) "Local Input" (October 2018)	(B) Connect SoCal (May 2020)	(C) Connect SoCal with Technical Refinements (Sept 2020)	Difference Between May and September Versions (C) - (B)	Difference Between September Version and "Local Input" (C) - (A)
Priority Growth Areas ¹	Households	54%	64%	64%	0%	10%
	Employment	58%	74%	74%	0%	16%
Absolute Constrained Areas ²	Households	13%	10%	10%	0%	-3%
	Employment	14%	9%	9%	0%	-4%
Variable Constrained Areas ³	Households	50%	47%	47%	0%	-3%
	Employment	45%	43%	43%	0%	-2%

1. Includes High Quality Transit Areas, Transit Priority Areas, Job Centers, Livable Corridors, Neighborhood Mobility Areas, Spheres of Influence (outside of constrained areas)
2. Includes tribal lands, military, open space, conserved lands, sea level rise areas (2 feet) and farmlands in unincorporated areas
3. Includes Wildland Urban Interface (WUI), grazing lands, farmlands in incorporated areas, 500-year flood plains, CalFire Very High Severity Fire Risk (state and local), and Natural Lands and Habitat Corridors (connectivity, habitat quality, habitat type layers)

**2035 Greenhouse Gas Emission Reduction Calculation
Reduction Calculation**

Modeled Greenhouse Gas Emissions		
	May 2020	Sept 2020
This calculation reflects transportation investments, pricing strategies, transportation demand management strategies and land use strategies	-14.92%	-14.89%
Induced Demand ¹	0.57%	0.56%
Baseline Adjustment		
Tele-Medicine and E-Commerce	-0.35%	-0.35%
Off-Model Greenhouse Gas Emissions		
Electric Vehicle Strategies (e.g. charging stations, incentive)	-1.62%	-1.76%
Emerging Technology (e.g. carshare)	-0.80%	-0.78%
Job Center and Commute Strategies (e.g. co-working)	-1.20%	-1.21%
Alternative Mode Strategies (e.g. Safe Routes to School, dedicated Transit Lanes)	-0.70%	-0.70%
Total Greenhouse Gas Emissions		
Sum Total	-19.02%	-19.12%

1. Induced Demand was calculated off-model for the May 2020 version of Connect SoCal, but on-model for the September 2020 version.



CONNECT SOCAL PROGRAM ENVIRONMENTAL IMPACT REPORT ADDENDUM #1



SEPTEMBER 3, 2020

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#20199011061



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PROGRAM ENVIRONMENTAL IMPACT REPORT
ADDENDUM #1 | SEPTEMBER 3, 2020

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1. INTRODUCTION

1.1 OVERVIEW

On May 7, 2020, the Regional Council adopted Resolution No. 20-621-1 certifying the Program Environmental Impact Report (PEIR) for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategies ("RTP/SCS," "Connect SoCal" or "Plan") for federal transportation conformity purposes only. This PEIR addendum for the Plan, which is proposed to be adopted in its entirety, is prepared by the Southern California Association of Governments (SCAG). This addendum is prepared in compliance with the California Environmental Quality Act (Pub. Resources Code, § 21000 et seq.; hereinafter "CEQA") and the Guidelines for the Implementation of CEQA (Cal. Code Regs., tit. 14, § 15000, et seq.; hereinafter "Guidelines").

The Draft PEIR was circulated for a 46-day public comment and review period (from December 9, 2019 to January 24, 2020). On May 7, 2020, during the hearing on the Plan, the Regional Council delayed adoption of the Plan in its entirety for a period of up to 120 days, during which time SCAG was directed to engage with local jurisdictions to make refinements to the Plan's Growth Forecast in relation to entitlements, and to conduct analysis on the differences within the Sustainable Communities Strategy (SCS) and locally-approved General Plans, this process resulted in SCAG undertaking additional technical refinements to reflect adjustments at the sub-jurisdictional level. These shifts in housing and jobs are limited to a total of six jurisdictions. SCAG then assessed whether the technical refinements would potentially result in any additional environmental impacts beyond the impacts identified in the Final PEIR, which would warrant further environmental review. Since the technical refinements resulted in minimal impacts to Connect SoCal performance results, and the Plan still achieves federal Transportation Conformity and meets the State's greenhouse gas reduction targets for passenger vehicles for 2020 and 2035, the need for additional environmental review was determined to not be necessary and a PEIR Addendum was determined to be appropriate.

After the PEIR comment and review period ended, and just prior to the May 7, 2020 PEIR hearing, SCAG received two comment letters from the Center for Biological Diversity (CBD) (May 1, 2020, and May 6, 2020). In the letters, CBD requested expanded background information be added to the PEIR related to environmental setting and environmental impacts, as well as the consideration of other mitigation measures. While SCAG is not obligated to respond to late comments, in the interest of providing as much information to the public as possible, SCAG is addressing CBD's comments and incorporating additional information in this Addendum.

In sum, this Addendum comprises two parts, 1) SCAG’s analysis of the technical refinements to the SCS, addressed in **Chapter 2.0, Technical Refinements to the Plan and Environmental Effects**; and 2) clarification and addition of information identified by CBD, addressed in **Chapters 3.0, PEIR Clarifications** and **4.0, Mitigation Measures** (detailed responses to both CBD comment letters are included in **Appendix A**). This Addendum concludes the PEIR is sufficient for addressing the potential environmental impacts and mitigation measures for the Plan.

Based on substantial evidence provided in this Addendum, the Final PEIR and other materials in the record, SCAG determines that the impacts of the Plan, including the technical refinements to the SCS and additional clarifications as identified by CBD, fall within the analyses in the Final EIR. Therefore, none of the following (as identified in CEQA Guidelines Section 15162) would result from the technical refinements and/or clarified information, analyses and mitigation measures:

- One or more significant effects not discussed in the PEIR.
- Substantial increase in the severity of a previously identified significant effect.
- New mitigation measures or alternatives that were previously found not to be feasible would be, in fact, be feasible and would substantially reduce on or more significant effects of the project but are declined to be adopted by the project proponent.
- Mitigation measures that are considerably different from those analyzed in the EIR that would substantially reduce on or more significant effects but are declined to be adopted.

Thus, neither a subsequent nor supplemental environmental impact report is required (Pub. Resources Code, § 21166; Guidelines §§ 15162, 15163). However, some minor refinements to the PEIR are included in this Addendum in accordance with CEQA (Guidelines § 15164).

Chapter 1.0, Introduction. Chapter 1.0 describes the purpose and organization of this document. The introduction includes applicable statutory sections of the Public Resources Code and Guidelines, and a brief planning history.

Chapter 2.0, Technical Refinements to the Plan and Environmental Effects. Chapter 2.0 describes the technical refinements and discusses the extent to which the changes would have effects on the environment.

Chapter 3.0, PEIR Clarifications. Chapter 3.0 discusses refinements to the regulatory framework, existing conditions and analyses.

Chapter 4.0, Mitigation Measures. Chapter 4.0 provides a list of refined SCAG and project-level mitigation measures. The proposed SCAG and project-level mitigation measures have been expanded to in the areas of air quality, biological resources, greenhouse gases, and wildlife and to provide additional clarity in terms of roles and responsibilities.

Appendix A. The Appendix includes responses to comments received on the PEIR from the Center for Biological Diversity.

1.2 PROJECT LOCATION

The Project location includes the entire SCAG region, which includes the following counties: Ventura, Los Angeles, San Bernardino, Riverside, Orange, and Imperial.

1.3 LEAD AGENCY AND ADDRESS

Southern California Association of Governments
900 Wilshire Boulevard, 17th Floor
Los Angeles, CA 90017

1.4 CONTACT PERSON AND PHONE NUMBER

Mr. Roland Ok
Senior Regional Planner, SCAG
Phone: (213) 236-1819
Email: ok@scag.ca.gov

1.5 STATUTORY AUTHORITY

CEQA recognizes that between the date an environmental document for a project is completed and the date that a project is fully implemented, one or more of the following changes may occur: 1) the project may change, 2) the environmental setting in which the project is set may change, and/or 3) previously unknown information can arise. Before proceeding with a project within the scope of a previously certified EIR, CEQA requires the lead agency to evaluate these changes to determine whether they affect the conclusions in the prior environmental document.

When an EIR has been certified and a project within the scope of that evaluated in a previous EIR is modified or otherwise changed after certification, additional CEQA review may be necessary. The key considerations in determining the need for the appropriate type of additional CEQA review are outlined in Public Resources Code section 21166 and Guidelines sections 15162 through 15164. Guidelines section 15162, subdivision a, provides that a subsequent EIR is not required unless any of the following occurs:

- (1) Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.
- (2) Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or Negative Declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.
- (3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the Negative Declaration was adopted, shows any of the following:
 - (A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
 - (B) Significant effects previously examined will be substantially more severe than shown in the previous EIR;
 - (C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; and/or
 - (D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

If a subsequent EIR is required pursuant to Guidelines section 15162, subdivision a, a supplemental EIR may be prepared instead if "only minor additions or changes would be necessary to make the previous EIR adequately apply to the project in the changed situation" (Guidelines, § 15163, subd. (a)).

If a subsequent EIR is not required pursuant to Guidelines section 15162, subdivision a, then the lead agency shall determine the appropriate further CEQA documentation, including no further documentation at all (Guidelines, § 15162, subd. (a)).

However, if a subsequent EIR is not required pursuant to Guidelines section 15162, subdivision a, but some changes or additions to the certified EIR have become necessary, an addendum is required (Guidelines, § 15164, subd. (a)). An addendum must include a brief explanation of the agency's decision not to prepare a

subsequent EIR, supported by substantial evidence in the record (Guidelines, §15164, subd. (e)). The addendum to the EIR need not be circulated for public review, but it may be included in or attached to the final EIR (Guidelines, § 15164, subd. (c)). The decision-making body must consider the addendum and the final EIR prior to making a decision on the project (Guidelines, § 15164, subd. (d)).

1.6 PLANNING HISTORY

The NOP was sent to the State Clearinghouse on January 23, 2019; posted with the County Clerks for the six counties in the SCAG region; and distributed to various federal, state, regional and local government agencies, and other interested agencies, organizations, and individuals. The NOP was made available on SCAG's website at <https://www.connectsoal.org/Documents/PEIR/NOP-PEIR-ConnectSoCal.pdf>. The NOP was published in 12 newspapers, including the Los Angeles Times, and additional newspapers that address the large geographic reach and diverse population within the SCAG region:

- Desert Sun
- Imperial Valley
- La Opinion
- Los Angeles Sentinel
- Los Angeles Times
- Nguoi Viet
- Press Enterprise
- San Bernardino County Sun
- The Korean Times
- The OC Register
- Ventura County Star
- World Journal (Chinese Daily News)

The NOP was circulated primarily using electronic mail to over 500 interested parties, including representatives of Native American tribes. The NOP was mailed directly to approximately 100 interested parties, including federal, state, regional and local agencies, organizations and major libraries in the region using the U.S. Postal Service certified mail service. The NOP was also posted at the following locations:

SCAG Main Office
900 Wilshire Boulevard, 17th Floor,
Los Angeles, CA 90017

SCAG Riverside County Regional Office
3403 10th Street, Suite 805
Riverside, CA 92501

SCAG Imperial County Regional Office
1503 N. Imperial Avenue, Suite 104
El Centro, CA 92243

SCAG San Bernardino County Regional Office
1170 West 3rd Street, Suite 140
San Bernardino, CA 92410

SCAG Orange County Regional Office
600 South Main Street, Suite 741
Orange, CA 92868

The NOP provided notification of the two public scoping meetings for interested parties to receive information on the Plan and the related CEQA process as well as providing an opportunity for the submittal of comments both by mail and electronically.

The Plan was developed with input from the public in accordance with the adopted Public Participation Plan. SCAG conducted 28 open house workshops on the Plan between June and July 2019.¹ These goals of these events was to share the purpose of Connect SoCal, introduce and provide information on policies and strategies under consideration, describe the performance outcomes of the different policy choices and receive input from participants. Scenarios were developed to help facilitate discussion during the development of the Draft Plan and to evaluate how each scenario would perform in terms of meeting the goals and guiding policies of the Plan and other performance metrics. SCAG also broadened its participation activities in the development of the Plan to engage a more extensive group of stakeholders in its planning and programming processes. SCAG held five public workshops on environmental justice for the Plan.

The Draft Plan was released by the Regional Council for a 70-day public comment and review period (from November 14, 2019 to January 24, 2020), while the Draft PEIR circulated for a 46-day public comment and review period. The public review and comment period for the Draft PEIR occurred between December 9, 2019 and January 24, 2020. To help further inform local, state and federal agencies, and other interested agencies, organizations, and individuals (“Interested Parties”) about the elements of the Draft Plan, SCAG posted announcements and videos on its website, blog sites, and its social networking pages (Facebook, Twitter); prepared factsheets and other outreach materials in English, Spanish, Chinese, Korean and Vietnamese; and placed ads and public announcements in 12 newspapers, including the ethnic press. During public review and comment period for the Draft Plan, SCAG held public workshops related to the Plan and a separate workshop on the PEIR.

¹ Southern California Association of Governments, Public Participation and Consultation Report, November 2019

Based on comments received during the public review period, SCAG prepared the Final PEIR to fulfill the basic purposes of CEQA,² which are:

- To disclose to the decision-makers and the public significant environmental effects of the proposed activities.
- To identify ways to avoid or reduce environmental damage.
- To prevent environmental damage by requiring implementation of feasible alternatives or mitigation measures.
- To disclose to the public reasons for agency approvals of projects with significant environmental effects.
- To foster interagency coordination in the review of projects.
- To enhance public participation in the planning process.

On May 7, 2020, the Regional Council adopted Resolution No. 20-621-1 certifying the Connect SoCal PEIR and approving Connect SoCal for federal conformity purposes only. The Resolution postponed for up to 120 days the date by which the Regional Council would be asked to consider approval of Connect SoCal in its entirety and for all other purposes, including but not limited to submittal to the California Air Resources Board (CARB). This delay allowed for more time to review Connect SoCal and consider its implications in light of the short and long-term impacts of the COVID-19 pandemic on the region as requested by many stakeholders, and to make refinements to the Plan's Growth Forecast in relation to entitlement information. Since the technical refinements resulted in minimal impacts to the performance of Connect SoCal, this addendum was determined to be the appropriate level of environmental review.

1.7 SUMMARY OF ENVIRONMENTAL EFFECTS

This Addendum will consider whether technical refinements at the sub jurisdictional level, undertaken to capture shifts in jobs and housing would result in a new significant environmental impact or more severe significant environmental impacts than previously identified in the Final PEIR, thereby, requiring a major revision to the EIR.

Chapter 2.0, Technical Refinements to the Plan and Environmental Effects, of this Addendum includes a detailed evaluation of environmental effects associated with the technical refinements, as compared to impacts identified in the Final PEIR for each CEQA environmental factor area, organized in the same manner as the Final PEIR. **Chapters 3.0, PEIR Clarifications**, and **4.0, Mitigation Measures**, include

² CEQA Guidelines § 15002.

updated and expanded regulatory framework and setting information as well as clarified analyses and revised mitigation measures. These refinements to the PEIR clarify and amplify the existing document and do not change the analyses or impact determinations provided within the Final PEIR.

As indicated in **Chapters 2.0, Technical Refinements to the Plan and Environmental Effects, 3.0, PEIR Clarifications, and 4.0, Mitigation Measures**, this Addendum does not identify any of the following: 1) substantial changes that require major revisions to the Final PEIR; 2) substantial changes to circumstances, related to significant effects, that require major revisions to the Final PEIR; 3) new information of substantial importance which was not known and could not have been known at the time to Final PEIR was certified. Therefore, none of the conditions that require the preparation of a subsequent or supplemental PEIR under Guidelines sections 15162 and 15163 would apply, and an Addendum to the Final PEIR is the appropriate CEQA document.

1.8 INCORPORATION BY REFERENCE

The following documents were used in the preparation of this Addendum, and are incorporated herein by reference, consistent with Section 15150 of the Guidelines:

- Southern California Association of Governments, Certified Final Connect SoCal PEIR, certified May 7, 2020. Available online at: <https://www.connectsocial.org/Pages/Final-2020-PEIR.aspx>
- The Connect SoCal Plan is available on SCAG's website at: <https://www.connectsocial.org/Pages/Connect-SoCal-Final-Plan.aspx>

2.0 TECHNICAL REFINEMENTS TO THE PLAN AND ENVIRONMENTAL EFFECTS

2.1 BACKGROUND

SCAG serves as the regional forum for cooperative decision-making by local government elected officials and its primary responsibilities in fulfillment of federal and state requirements include the development of the RTP/SCS; the Federal Transportation Improvement Program (FTIP); the annual Overall Work Program; and the transportation-related portions of local air quality management plans. SCAG's other major functions include determining that regional transportation plans and programs are in conformity with the federal Clean Air Act; determining that the RTP/SCS meets regional greenhouse gas (GHG) emissions reduction targets established by the California Air Resources Board (CARB); preparing a Regional Housing Needs Assessment (RHNA) every eight years; and intergovernmental review of regionally significant projects.

The Regional Council is SCAG's governing body. It consists of 86 elected officials, representing cities, counties, county transportation commissions, transportation corridor agencies, tribal governments, and air districts in the region. The Regional Council has general authority to conduct the affairs of SCAG and directs the actions of the agency throughout the year. Additionally, the Regional Council implements the policy direction provided at the annual General Assembly of its membership, acts upon policy recommendations from SCAG's standing policy committees and external agencies and appoints standing or ad-hoc subcommittees to study specific programs or issues. SCAG's Regional Council directs the policy initiatives of the organization. Consistent with state law and as a matter of policy, SCAG provides for local jurisdictions to have maximum flexibility to make decisions appropriate to their circumstances.

Connect SoCal is a long-range plan that builds upon and expands land use and transportation strategies aimed at increasing mobility options and achieving a more sustainable growth pattern. More than 4,000 individual transportation capital projects and programs, advanced through local and countywide plans, form the foundation of Connect SoCal. A comprehensive Plan update occurs every four-years, at which time the entirety of the Plan is reviewed and revised. During the comprehensive update, SCAG revises the Growth Forecast, integrates new projects and programs funded by the six county transportation commissions, confirms alignment with federal and state performance standards and environmental requirements, reviews and refines regional strategies to address gaps in achieving the region's vision for greater mobility, sustainability and economic prosperity.

Pursuant to the Sustainable Communities and Climate Protection Act of 2008 (Senate Bill (SB) 375), SCAG prepared a sustainable communities strategy (SCS), a required component of the Plan that sets forth a forecasted regional development pattern, integrated with the transportation network, measures, and policies, to reduce GHG emissions from cars and light duty trucks. The Connect SoCal SCS meets the 8 percent per capita greenhouse gas (GHG) emissions for the SCAG region by 2020 and the 19 percent reduction in per capita GHG emissions by 2035 as mandated by California Air Resources Board (CARB). SB 375, and by extension the SCS, are part of California's overall strategy to reach GHG emissions reduction goals as set forth by Assembly Bill (AB) 32, Senate Bill (SB) 32, and Executive Orders S-03-05 and B-30-15.

The Plan also:

- Describes how implementation of the Plan is anticipated to generate and support 168,000 annual jobs stemming from direct transportation investments and 264,500 jobs annually from the enhanced economic competitiveness resulting from infrastructural improvements;
- Describes where and how the region can accommodate a 23 percent increase in projected households and 16 percent increase in jobs between 2020 and 2045; and
- Details a regional transportation investment given \$633.9 billion in expected revenues from federal, state, regional and local sources over the next 25 years

The Plan is constrained by expected transportation revenues and identifies transportation and land use strategies to accommodate projected population, household and employment growth and improve the quality of life for existing and future residents.

Connect SoCal Growth Forecast

As described above, the Plan updates the growth forecast, land use assumptions, and transportation investments that served as a foundation to prior regional transportation plans. On a national level, population growth has slowed, with the US Census Bureau projecting a decrease in national annual growth rate from about 0.75 percent in 2016 to approximately 0.40 percent by the 2040s. In the SCAG region, growth is similarly slowing down, from about 0.85 percent in 2020 to about 0.45 percent by 2045.

While growth rates are at a historic low; a gradual increase to the total population is expected. In the SCAG region, a 0.6 annual growth rate corresponds to about 114,000 new residents annually, or 3.2 million new residents between 2019 and 2045. At the county level, the region anticipates population

increases of 9.1% to 35.4% for its six-county area (Table 2.0-1, 2019-2045 Population, Households and Employment Projections in the SCAG Region)

**Table 2.0-1
2019-2045 Population, Households, and Employment Projections in the SCAG Region**

County Name	Population 2019	Population 2045	Percentage Increase	Households 2019	Households 2045	Percentage Increase	Employment 2019	Employment 2045	Percentage Increase
Imperial	207,700	281,200	35%	58,000	92,500	59%	77,300	130,200	68%
Los Angeles	10,333,600	11,677,200	13%	3,409,500	4,124,500	21%	4,826,600	5,382,200	12%
Orange	3,250,100	3,534,600	9%	1,053,500	1,153,500	10%	1,765,600	1,980,400	12%
Riverside	2,462,600	3,251,700	32%	758,300	1,086,100	43%	812,800	1,102,700	36%
San Bernardino	2,217,100	2,815,500	27%	656,500	874,800	33%	828,300	1,063,800	28%
Ventura	868,600	947,500	9%	276,100	306,400	11%	346,400	389,400	12%
SCAG Region	19,339,700	22,507,200		6,211,900	7,638,600		8,657,138	10,048,500	

Source: SCAG 2019

As growth rates are declining, the population is also aging. From 2000 to 2016, the region’s median age increased from 32.3 to 35.8. By 2045, this number is expected to reach 39.7.

From 2010 to 2019, an additional 1,288,228 people moved to Southern California. Los Angeles County had the largest share of population growth among the six counties in the SCAG region during this period, adding an additional 514,935 new residents (approximately 42 percent of the region’s increase in population). Riverside County followed with the next largest share and experienced an increase of 272,951 new residents (nearly 22 percent of the region’s increase in population).

May 2020 Actions

On May 7, 2020, the Regional Council adopted Resolution No. 20-621-1 certifying the Connect SoCal Program Environmental Impact Report (PEIR) and approving Connect SoCal for federal conformity purposes only. The Resolution postponed for up to 120 days the date by which the Regional Council would be asked to consider approval of Connect SoCal in its entirety and for all other purposes, including but not limited to submittal to the CARB. The Resolution established the following expectations during this timeframe:

- Allow for more time to review Connect SoCal and consider its implications in light of the short and long-term impacts of the COVID-19 pandemic on the region as requested by many stakeholders;
- Work with local jurisdictions to make refinements to the Plan's Growth Forecast in relation to entitlements;
- Identify and quantify all differences within the SCS and locally-approved General Plans and quantify the increase (or decrease) in housing, jobs or population between Connect SoCal and each local General Plan within 60 days; and
- Provide a progress report describing modifications to the SCS and associated modeling and analysis within 60 days.

SCAG has addressed these directives as discussed below.

2.2 COVID-19 EFFECTS

Since the May 7th meeting, SCAG engaged in several outreach activities to learn more from stakeholders about how they have been impacted by COVID-19 and learn how Connect SoCal can best be positioned as a tool for recovery and regional resilience. Activities include engagement with regional planning working groups, direct outreach to specific stakeholders, focus groups with community-based organizations (CBOs), a public survey, and a public virtual town-hall.

Two focus groups with seven CBOs (including: Abundant Housing LA, People for Mobility Justice/ Ride in Living Color, Strategic Actions for a Just Economy, TRUST South LA, Kennedy Commission, Santa Ana Active Streets and Alianza Coachella Valley), reiterated issues raised during the Spring 2019 Connect SoCal outreach process and identified concerns in light of the on-going pandemic. Stakeholders continue to see significant value in strengthening connections within their established communities, but COVID-19 has amplified concerns about housing availability and affordability, evictions, limited alternative transportation options and displacement.

SCAG also conducted a survey asking stakeholders about the impact of COVID-19 on their communities as well as specific questions relating to SCAG's activities and long-range planning. The survey closed on June 25, 2020. A summary was provided in advance of the July Regional Council and Policy Committee meetings. The survey indicated the following concerns because of COVID-19:

- Lack of income to pay rent/mortgage and increased vehicle speeds on local roads

- Longer-term concerns include lack of government funding for services and programs
- Respondents noted that the Connect SoCal goals were either the same or more significant in light of COVID-19.

On June 24, 2020, SCAG held a Virtual Townhall: *Regional Dialogue on Connect SoCal and COVID-19 Recovery*. Small group breakout discussions were held to learn the specific impacts of COVID-19 in communities across the region and to hear from stakeholders about how Connect SoCal implementation, through the planning resources, research and convening functions of SCAG can help assist in moving the region forward.

Additionally, SCAG has undertaken some short-term socio-economic modeling of the effects of COVID-19, but it is not yet possible to forecast the potential long-term implications of the pandemic for the Connect SoCal horizon year of 2045. Since data from the pandemic is limited and the longer-term trajectory of recent trends is yet to be determined, SCAG staff recommends that any necessary changes based on impacts from the pandemic be reflected in the 2024 RTP/SCS.

2.3 TECHNICAL REFINEMENTS TO THE GROWTH FORECAST SINCE PUBLICATION OF THE FINAL PEIR

During the development of the Plan, SCAG coordinated an extensive local engagement process, called the Bottom-Up Local Input and Envisioning Process, with Southern California’s 197 towns, cities and counties while developing Connect SoCal to create a growth forecast that respects local land use policies, reflects local entitlements, and advances regional goals. In addressing the Regional Council directives, SCAG has continued to work closely with local jurisdictions and the development community to review the growth forecast.

In May and June 2020, SCAG conducted targeted outreach to jurisdictions where quantitative analysis indicated the need for direct discussion, and also welcomed all jurisdictions to again review SCAG’s Growth Forecast to ensure entitlements (with anticipated phasing) were captured and general plan maximums were reflected. In total, twelve jurisdictions provided feedback to SCAG – with six asking for adjustments due to general plan capacities and/or entitlements, and others specifically asking that the Growth Forecast not be changed for their jurisdiction at all.

In addition to reviewing general plan allowed densities, SCAG conducted further analysis to account for anticipated shifts—increases and decreases—in growth resulting from Connect SoCal policies. This analysis considered differences, within the locally allowed density ranges (i.e. not exceeding general plan

capacities), of the growth projected by Connect SoCal as compared to local growth assumptions (i.e. Local Input, provided directly by local jurisdictions). In some cases, the Connect SoCal growth assumptions are the same as the Local Input, where SCAG determined the jurisdiction's assumptions effectively capture regional policies. In other cases, the development anticipated is shifted to another location, within the same jurisdiction, to capture anticipated impacts of regional policies.

Capacities at the TAZ level were calculated using general plan designations for each jurisdiction (as updated by recent specific plans, development agreements and other entitlements) and the associated allowable maximum or average (as appropriate) dwelling unit densities per acre for each. This data was supplemented with "Local Input" (if growth conveyed by jurisdictions was higher than SCAG's calculated dwelling unit density). SCAG confirmed 95% of the evaluated TAZs (which account for 97% of the 2045 households) do not exceed allowable general plan densities. (For the remaining 5% SCAG did not have sufficient details regarding local density bonus, accessory dwelling unit ordinances and other zoning controls to definitively confirm allowable densities.) It is important to note that SCAG's assessment of general plan capacity is an estimate that does not consider all factors impacting development capacity (such as local ordinances for accessory dwelling units (ADUs), density bonuses, and zoning). These factors add additional capacity to TAZs.

SCAG modified the sub-jurisdictional growth forecast at the request of six jurisdictions to account for updated general plan capacities including entitlements. The sub-jurisdictional growth forecast modifications were limited to six jurisdictions in Los Angeles (Unincorporated County, Duarte and Malibu), Orange (Anaheim), and San Bernardino (Unincorporated County and Chino) counties. There were no changes to any TAZs in Imperial, Riverside, and Ventura counties. In total, 5,880 households were shifted which represents 0.08 percent of total households in the region, were shifted in 0.29% of the region's 13,257 TAZs and 33,037 jobs, which represents 0.33 percent of total projected regional employment, were shifted in 0.77% of TAZs.

The largest growth shift occurred in Los Angeles County, where 3,080 households and 24,428 jobs were shifted within the jurisdictions of the City of Duarte, City of Malibu, and unincorporated Los Angeles County. Within Orange County 2,598 households and 1,645 jobs, all within the City of Anaheim were shifted. In San Bernardino County, 202 households and 6,964 jobs within the City of Chino and unincorporated area of San Bernardino County were shifted. There were no changes to growth in any TAZs in Imperial, Riverside, and Ventura Counties.

It is important to note that household and employment shifts occurred within each respective jurisdiction at the TAZ level. These sub-jurisdictional level changes did not affect the jurisdictional totals as

households and employment shifts did not occur across counties and cities, but rather within counties and cities. This is important because SCAG adopts the growth forecast at the jurisdictional level. While the TAZ level data is made available to jurisdictions for modeling and other purposes, it is not adopted by SCAG for any purpose. TAZ-level growth projections are used by SCAG for regional modeling purposes and are not adopted as part of Connect SoCal, nor are they used in the growth forecasts. As such, the TAZ level data is not intended to promote or constrain growth in any TAZ. Further, these technical refinements did not result in any changes to the SCS land use maps. Because no shifts occurred across jurisdictions, the jurisdictional level totals remain same as the numbers presented in Connect SoCal Plan, adopted on May 7, 2020.

2.4 ENVIRONMENTAL IMPACTS OF TECHNICAL REFINEMENTS TO THE PLAN

Under state planning law (SB 375), the SCS developed as part of the RTP cannot supersede local General Plan policies.¹ Rather, it is intended to provide a regional policy foundation that local governments may build upon if they so choose and generally includes the quantitative growth projections for each city and county in the region going forward. The PEIR, page 1.0-16 notes as follows:

... SB 375 specifically provides that nothing in an SCS supersedes the land use authority of cities and counties, and that cities and counties are not required to change their land use policies and regulations, including their general plans, to be consistent with the SCS or an alternative planning strategy.² Moreover, cities and counties have plenary authority to regulate land use through their police powers granted by the California Constitution, art. XI, §7, and under several statutes, including the local planning law,³ the zoning law,⁴ and the Subdivision Map Act.⁵

SB 375 does not require that general plans be consistent with the SCS. However, to use CEQA streamlining under SB 375 a lead agency must find that a project is consistent with the SCS. SCAG has clearly indicated that lead agencies/local jurisdictions have sole discretion to make consistency findings with the SCS for the purposes of CEQA.

Connect SoCal’s Growth Forecast Guiding Principle No. 3 states the following:

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- 1 Cal. Gov Code Section 65080(b)(2)(K).
 - 2 California Legislative Information. *Public Resources Code – PRC, Division 13. Environmental Quality, Chapter 2.5, Definitions [21060-21074]*.
 - 3 California Legislative Information. *Chapter 3. Local Planning 65100-65763*.
 - 4 California Legislative Information. *Chapter 4. Zoning Regulations 65800-65912*.
 - 5 California Legislative Information. *Division 2 Subdivisions 66410-66499.38*.

2.0 Technical Refinements to the Plan and Environmental Effects

For the purpose of determining consistency with Connect SoCal for the California Environmental Quality Act (CEQA), grant or other opportunities, lead agencies such as local jurisdictions have the sole discretion in determining a local project's consistency; SCAG may also evaluate consistency for grants and other resource opportunities; consistency should be evaluated utilizing the goals and policies of Connect SoCal and its associated Program Environmental Impact Report (PEIR). However, TAZ growth projections for households, employment or population reflected in TAZ maps may not be utilized to determine consistency or inconsistency with Connect SoCal.^{6,7}

Changes to the distribution of growth have the potential to affect environmental impacts. The distribution of growth affects the transportation and air quality modeling undertaken by SCAG. The SCAG models are used to provide gross estimates of regional environmental parameters (in particular VMT, criteria pollutant emissions and GHG emissions). However, the inputs to these models are subject to variability (location and density of land uses, travel patterns, fuel make up, pricing assumptions and many more). Because of this, minor changes to assumptions result in minor changes to modeling results and are not statistically significant. As noted above, SCAG has made technical refinements to the growth forecast at the sub-jurisdictional (i.e., TAZ) level.

The environmental analysis provided in this Addendum describes the information that was considered in evaluating the environmental resource areas and checklist identified in Appendix G of the State CEQA Guidelines. None of these technical refinements result in substantial changes to the information presented in the Final PEIR, including modeling results (See **Table 2.0-2, Summary of Impacts from Technical Refinements to the Plan**). Nonetheless, below is a summary description of each topic area analyzed within the Final PEIR and how the changes described above would result in a change from the analysis presented in the Final PEIR.

⁶ Pending adoption from the Regional Council on September 3, 2020. Please refer to the Staff Report entitled: Final Connect SoCal Technical Refinements for details about the changes to the Growth Forecast Guiding Principles and other clarifications.

⁷ "TAZ-level growth projections" refer to the disaggregation of the regional and jurisdictional population, household, employment growth forecasts developed as part of the final, adopted Connect SoCal, and is in contrast to other TAZ-level data such as locally envisioned growth projections (i.e., "local input") or the 2016 base-year TAZ-level data developed by SCAG. "TAZ Maps" refer to visualizations in a map format of the TAZ-level growth projections within a TAZ boundary, which may be created by SCAG, and such maps are not developed, included, contained, approved or adopted as part of Connect SoCal.

**Table 2.0-2
Summary of Technical Refinements to the Plan**

Impact	Compared to the Certified Final Connect SoCal PEIR
Aesthetics	Same; no new impacts
Agriculture and Forestry Resources	Same; no new impacts
Air Quality	Same; no new impacts
Biological Resources	Same; no new impacts
Cultural Resources	Same; no new impacts
Energy	Same; no new impacts
Geology and Soils	Same; no new impacts
Greenhouse Gas Emissions and Climate Change	Same; no new impacts
Hazards and Hazardous Materials	Same; no new impacts
Hydrology and Water Quality	Same; no new impacts
Land Use and Planning	Same; no new impacts
Mineral Resources	Same; no new impacts
Noise	Same; no new impacts
Population, Housing, and Employment	Same; no new impacts
Public Services	Same; no new impacts
Recreation	Same; no new impacts
Transportation, Traffic, and Safety	Same; no new impacts
Tribal Cultural Resources	Same; no new impacts
Utilities and Service Systems	Same; no new impacts
Wildfire	Same; no new impacts
Comparison of Alternatives	Same; no new impacts
Long-Term CEQA Considerations	Same; no new impacts

For a summary of model rerun results and more information regarding Plan refinements, please refer to the September 3, 2020, Regional Council staff report entitled: Final Connect SoCal Technical Refinements.

Aesthetics and Views

The certified Final PEIR determined that the Plan would result in substantial degradation of the existing visual character or quality of sites and its surroundings, adverse effects on scenic vistas, damage to scenic resources, creating a new source of substantial light affecting day or nighttime thereby resulting in significant impacts.

SCAG prepared updated modeling and changes to the TAZ level growth forecasts. No changes were made to the transportation projects, Plan strategies, or the jurisdictional level forecasts. While the

distribution of households and jobs would change slightly, overall, the changes would not alter identified impacts with respect to scenic vistas, scenic highways, visual character, light, or glare. Therefore, impacts would not change as compared to those identified for the Final PEIR; no new or greater impacts would occur.

Regional-scale impacts to scenic resource and vista points would remain the same. None of the analysis presented in Section 3.1, Aesthetics, of the Final PEIR would be changed as a result of the technical refinements presented herein. While adjustments were made at the sub jurisdictional level, at the regional level, impacts would remain significant and unavoidable. The technical refinements would not result in any new significant impacts on aesthetic impacts at the regional level because the changes are minor and occur at the sub jurisdictional level.

Agriculture and Forestry

The certified Final PEIR determined that the Plan would have the potential to convert the following to non-agricultural use: Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, and land managed pursuant to Williamson Act contracts. Significant impacts to agriculture and forestry resources would occur.

As described above, technical refinements included modifications to the growth forecast in the form of shifting jobs and housing within a limited number of TAZs. Based on these technical refinements, the loss of agricultural land as identified within the PEIR could change slightly, but at the regional scale such impacts would be negligible. Because the refinements only occurred at the TAZ level, and there were no changes to the jurisdictional level or regional level growth forecast numbers, the impacts identified within the PEIR would not be expected to change substantially. While there could be some change in the loss of important farmland, or forest land at TAZ level as households and jobs are shifted, at the regional scale such impacts would be negligible.

While the distribution of individual land use projects could change slightly, overall, the changes to the modeling would not alter the impacts with respect to conflicts with agricultural zoning, forest zoning, or loss of forest and farmlands. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Air Quality

The Final PEIR concluded that the Plan will result in a less than significant air quality impact related to the potential to conflict with or obstruct implementation of the adopted SIPs/AQMPs/Attainment Plans in

the SCAG region and with regard to objectionable odors. The Final PEIR also concluded that the Plan could contribute to an air quality violation due to an increase in total VMT, and impacts would be significant.

As described above, technical refinements included modifications to the growth forecast in the form of shifting jobs and housing within a limited number of TAZs. While the distribution of individual land use projects could change slightly, overall, the changes to the modeling would not alter the impacts with respect to conflicts with air quality plans (SIP/AQMPs/Attainment Plans). Regarding air quality emissions, the slight change in at the TAZ level could result in incremental changes in total air pollutants for which the region is in non-attainment under applicable NAAQs or CAAQs. However, since the total population, housing, and employment remains constant at the jurisdictional level, such changes would not be significant. Additionally, none of the technical refinements impacts the air quality modeling provided for federal Transportation Conformity. SCAG has also reviewed the background information and mitigation measures suggested by CBD specific to air quality. The revised mitigation measures, and background information clarify the information with the Final PEIR and do not affect the determination of impacts. (Refer to **Chapter 3.0, PEIR Clarifications**, and **Chapter 4.0, Mitigation Measures**, of this Addendum, for additional information regarding refinements made to the mitigation measures.) Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Biological Resources

The Final PEIR concluded the Plan and development projects anticipated to occur under the Plan would affect biological resources, including direct loss of sensitive plant and/or wildlife species resulting from injury, death, or disturbance of these species. The Final PEIR also concluded that the Plan would have a substantial adverse effect on riparian habitats and other sensitive natural communities. Impacts would be significant and unavoidable.

Transportation projects, development projects anticipated to occur under the Plan, and Plan strategies, would not change as a result of the technical refinements described above, therefore the regional-scale direct impacts to biological resources would be the same as those identified in the PEIR. The impacts to natural vegetation, sensitive species and communities, habitat connectivity, and riparian and wetland areas, would also be the same. The acres of critical habitat would be similar to the amount impacted in Tables 3.4-13, Acres of Critical Habitat for Listed Species Potentially Affected by Connect SoCal Major Transportation Projects. The number of listed plant species and wildlife species affected by the Plan would be similar to those provided in Table 3.4-14, Records of Listed Plant Species within 500 Feet of

Connect SoCal Projects and Table 3.4-15, Records of Listed Wildlife Species within 500 Feet of Connect SoCal Projects. Similarly, acres of sensitive and riparian habitat within 500 feet of Connect SoCal projects (Table 3.4-16) would not substantively change based on the modifications described above. Miles of blueline streams and acres of federally protected waterways within 500 feet of Connect SoCal Projects would also not substantively change (Table 3.4-17, Table 3.4-18, and Table 3.4-19). Lastly acres used for wildlife movement (Table 3.4-20) would be minimally affected by the changes in the Final Plan. The changes in the Final Plan would not impact acres subject to HCP or NCCPs. SCAG has also reviewed the background information and mitigation measures suggested by CBD specific to biological resources. The revised mitigation measures, background information, and analysis amplify and clarify the information in the Final PEIR and do not affect the determination of impacts. (Refer to **Chapter 3.0, PEIR Clarifications**, and **Chapter 4.0, Mitigation Measures**, of this Addendum, for additional information regarding refinements made to the mitigation measures.)

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to threatened and/or endangered species, fully protected and sensitive species, locally important species, or associated critical habitat. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Cultural Resources

The Final PEIR concluded that the Plan would have the potential to cause significant and unavoidable impacts to historical and archaeological resources, including the potential to disturb human remains.

Transportation projects, potential land use development projects as a result of the Plan and Plan strategies, would not change as a result of the technical refinements described, therefore, regional-scale direct impacts to cultural resources, including impacts to historical and archaeological, resources would be similar to those identified in the Draft PEIR. The Plan would continue to include regional land use and transportation strategies that focus new growth in urbanized areas. Many urbanized areas are older urban or suburban town centers where structures of architectural or historical significance are likely to be located. Therefore, regional-scale impacts would not change. Transportation projects considered in the Plan would continue to have the potential to impact the nearly 100,000 archaeological resources in the SCAG region (Table 3.5-1). The Plan would continue to focus growth in urban areas and impacts would not substantively change.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to historic and archaeological resources. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Energy

The Final PEIR concluded that the Plan would not result in wasteful or inefficient use of energy and would be consistent with energy conservation policies. This impact is less than significant.

Estimates of energy consumption are based on available consumption factors which are reasonably expected to change substantially over the coming years with increased focus on conservation and efficiency. The technical refinements to TAZ level jobs and housing numbers would not substantially affect the numbers presented in the Final PEIR. SCAG prepared updated modeling and changes to the TAZ level jurisdictional forecasts. While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to wasteful, inefficient, or unnecessary consumption of energy. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Geology and Soils

The Final PEIR concluded that the Plan would result in less than significant impacts with regard to existing geologic hazards, including unstable geologic units or soils. However, impacts in relation to soil erosion and loss of topsoil were found to be significant and unavoidable.

Direct regional-scale impacts to geological resources would generally be similar as a result of the technical refinements. Implementation of the Plan would result in projects exposed to both direct and indirect effects of seismic activities compared to existing conditions (which is not an impact under CEQA). The Plan would neither cause nor exacerbate existing geologic hazards, including the likelihood of fault rupture. This condition exists throughout the SCAG region as it is a seismically active area.

Regarding impacts related to soil suitability, erosion and stability, because projects would be required to comply with existing state and local jurisdiction permitting, regulatory, and grading processes as well as the application of BMPs, regional-scale impacts would be the same as identified in the PEIR.

The potential regional-scale direct impacts on paleontological resources related to implementation of transportation projects and development projects anticipated to occur under the Plan and presented in the Draft PEIR would not change as a result of on the technical refinements.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to seismic and geological hazards and soils. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Greenhouse Gases

The Final PEIR concluded that the Plan would generate greenhouse gas (GHG) emissions that would have a significant impact on the environment.

The technical refinements described above would result in minimal changes to the regional-scale GHG emission estimates presented in the PEIR. The Plan would continue to achieve GHG reduction targets of 8 for 2020 and 19 percent for 2035 (Table 3.8-10). As stated in Section 3.8, Greenhouse Gases, CARB has indicated that even if all MPOs meet their regional SB 375 GHG targets, the state would not be able to meet the statewide GHG reduction goals of AB 32, SB 32, and the Scoping Plan. As recognized by CARB, MPO's do not have land use authority to implement additional VMT reductions. Furthermore, SCAG has no control or authority over the other key sectors (e.g., energy, industry, water, waste and agriculture) in meeting the AB 32, SB 32, and Scoping Plan targets. Without additional information as to how other sectors would reduce emissions to meet targets, and assuming existing available emission factors, GHG emissions in the SCAG region are not on track to achieve targets identified in AB 32, SB 32 and the Scoping Plan. This would continue to be the case with the technical refinements. SCAG has also reviewed the background information and mitigation measures suggested by CBD specific to greenhouse gas emissions. The revised mitigation measures amplify and clarify the information in the Final PEIR and do not affect the determination of impacts. (Refer to **Chapter 4.0, Mitigation Measures**, of this Addendum, for additional information regarding refinements made to the mitigation measures.)

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to generating GHG emissions and conflicting with GHG reduction plans. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Hazards and Hazardous Materials

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts related to hazards and hazardous materials, including through the routine transport, use, or disposal of hazardous materials.

Even with the technical refinements, the same land use strategies that encourage infill and redevelopment and the same transportation network would remain; therefore, transportation of hazardous materials would be similar to those described in the PEIR. Regional-scale impacts related to the routine transport, use, or disposal of hazardous materials, the risk of upset of hazardous materials, risk of disturbing contaminated sites during construction, and the risk of release of hazardous materials within one-quarter mile of a school would not change from what is described in the PEIR.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to the routine transport, use, or disposal of hazardous materials, the risk of upset of hazardous materials, risk of disturbing contaminated sites during construction, and the risk of release of hazardous materials within one-quarter mile of a school. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Hydrology and Water Quality

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts to surface and groundwater quality, groundwater recharge, drainage patterns, and pollutant release.

The technical refinements would result in limited changes in the distribution of jobs and housing at the TAZ / sub jurisdictional level. These changes would not be measurable at the regional level as they relate to hydrology. Because the total number of jobs and housing stays constant at the jurisdictional level, any changes in greenfield consumption as a result of the technical refinements would be minimal.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to violation of water quality standards, potential to decrease groundwater supplies, alternation of an existing drainage pattern, and flood hazards. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Land Use and Planning

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to physically dividing an existing community and conflicting with land use plans, policies, or regulations.

The transportation strategies in the Plan, such as emphasis on complete streets and TDM strategies would continue to have limited potential for dividing established communities because they are generally expected to occur in established communities. Many of these strategies (i.e., bike lanes, pedestrian access) improve connectivity. As land gets converted from urban or agricultural uses, there would continue to be the potential for infrastructure or land developments to divide existing communities. This impact would not substantially change with the technical refinements described above.

With regard to conflict with existing plans, land use policies and strategies in the Plan would continue to encourage development of underutilized areas (infill, etc.). Development patterns, would continue to be supported by transportation investments that emphasize system preservation and enhancement, active transportation, and land use integration, and are generally consistent with local land use plans, goals, and policies calling for higher density, compact, mixed-use development that may be served by high-quality transit, bicycle and pedestrian improvements. There would continue to be the potential for inconsistencies between SCAG's land use strategies and local planning documents that could potentially lead to physical environmental impacts. The refinements to the Plan would not substantively change the analysis presented in the PEIR. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Mineral Resources

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to consumption of aggregate resources and the availability of mineral resources.

Construction of transportation projects would continue to require substantial amounts of aggregate resources, continuing to constitute a significant impact. The technical refinements would not substantively change the analysis presented in the PEIR.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to with respect to the loss of mineral resources and mineral resource recovery sites. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Noise

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to generation of increased noise and vibration levels, including impacts associated with aviation.

The technical refinements would not change the transportation projects or land use strategies in the Plan. As such noise impacts would remain generally the same. The potential for generation of substantial temporary or permanent increases in ambient noise or vibration would remain approximately the same, as transportation projects or locations of the projects would not change and there would only be limited changes in the growth pattern. Since the growth pattern remains generally similar, the same impacts would occur. For a regional scale analysis, the technical refinements would not substantively change the analysis. Regarding aviation noise, sensitive receptors would continue to be impacted by airport noise.

While the distribution of housing and jobs would change slightly for six jurisdictions as described above, overall, the refinements to the growth forecast would not alter the impacts with respect to increases in ambient noise or vibration. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Population and Housing

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to unplanned population growth and displacement.

As described above, minor modifications at the TAZ level were made to the households and employment distributions for six jurisdictions. The analysis of impacts focuses on the Plan's potential to result in unplanned population growth. The Plan continues to include land use strategies and transportation projects and supporting strategies that generally encourage population growth in urbanized areas and HQTAs. Generally, most jurisdictions have started planning for increases in density in urban areas and the Plan builds on local input (and is not intended to result in re-designation of areas where such re-designation is not approved by the local agency). There continues to be the potential for the Plan's strategies to influence population growth in areas where local general plans have not yet been updated to reflect such growth.

Regarding potential to displace housing, construction of transportation projects that require expansion of existing or designation of new ROWs would continue to have the potential to result in the displacement of existing people and housing, necessitating the construction of replacement housing. The technical

refinements would not modify the transportation network and the growth distribution would generally remain the same.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts respect to unplanned growth and displacement. The changes to the modeling affect the plan at the TAZ level, not at the jurisdictional level. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Public Services (Fire, Police, Schools, Libraries)

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to public services, including fire protection, police protection, schools, and libraries.

As described in Sections 3.15-1, 3.15-2, 3.15-3 and 3.15-4 of the PEIR, impacts to public services are largely population driven. As described under the preceding section (Population and Housing), only minor refinements to the housing and employment forecasts occurred. The analysis presented in the public services sections is regional in nature and generally discusses the potential for impacts to occur as a result of the increased population. As the population numbers have not changed (although limited changes were made to the housing and jobs distribution), the analysis presented in Sections 3.15-1, 3.15-2, 3.15-3 and 3.15-4 remains the same.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts respect to the need for new or expanded public facilities the construction of which could cause physical impacts. The changes to the modeling affect the plan at the TAZ level, not at the jurisdictional level. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Parks and Recreation

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to parks and recreation facilities.

As described in Section 3.16 Parks and Recreation, impacts to parks and recreational facilities are largely population driven. As described under the preceding section (Population and Housing), only minor refinements to the growth distribution occurred. The analysis presented in the parks and recreation

section is regional in nature and generally discusses the potential for impacts to occur as a result of the increased population resulting in overuse of existing parks, primarily in urban areas. As the population numbers have not substantively changed, the analysis presented in Section 3.16 remains the same.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts with respect to the need for new or expanded parks and recreational facilities the construction of which could cause physical impacts. The changes to the modeling affect the plan at the TAZ level, not at the jurisdictional level. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Transportation, Traffic and Safety

The Final PEIR concluded that the Plan would result in less than significant impacts with respect to conflicting with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. However, the Final PEIR also concluded that the Plan would be inconsistent with the state's VMT goals and would result in a significant impact.

The technical refinements resulted in minimal impacts to the performance results for Connect SoCal, and still achieves federal Transportation Conformity and meets the State's greenhouse gas reduction targets for passenger vehicles for 2020 and 2035. The transportation network and projects were not modified while conducting Plan refinements. As such, these minor changes do not substantively change the analysis presented in the PEIR.

The technical refinements and associated shifts in population and jobs resulted in shifts in trips. Most of the shift in trips resulted in similar trip lengths which resulted in only minor changes to modeling results (county-level and regional VMT as well as criteria pollutant and GHG emissions). One of the larger changes was the shift of 20,000 jobs and 2,500 households within northern Los Angeles County. While the specific location of these jobs and households changed, they were still largely in northern LA County and the number and length of trips remained similar. The modeling results for unincorporated Los Angeles County indicate that total trips and total VMT varied by a negligible amount (about 1 percent) between the May and September assumed land use distributions.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts with respect to programs, plans, ordinances, or policies addressing the circulation system, including transit, roadway,

bicycle, and pedestrian facilities. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Tribal Cultural Resources

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to tribal cultural resources.

Transportation projects and anticipated growth under the Plan would continue to have the potential to cause a substantial adverse change in the significance of tribal cultural resources in the SCAG region, defined in Public Resources Code section 21074, as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe. The technical refinements would not change the transportation network and would only result in minor modifications to the growth distribution. Therefore, the impacts would be the same as in the PEIR.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts with respect to tribal cultural resources. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Utilities and Service Systems

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to utilities and service systems, including water, wastewater, and solid waste.

As described in Sections 3.19-1, 3.19-2, and 3.19-3, impacts to utilities and service systems are largely population driven. As described under the preceding section (Parks and Recreation), only minor refinements to the jobs and housing forecasts occurred, and these changes were at the TAZ level. The analysis presented in the utilities sections is regional in nature and generally discusses the potential for impacts to occur as a result of the increased population. As the population numbers have not substantively changed, the analysis presented in Sections 3.19-1, 3.19-2, and 3.19-3 remains the same.

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts with respect to utilities and service systems. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Wildfire

The Final PEIR concluded that the Plan would result in significant and unavoidable impacts with respect to risks associated with wildfires.

Transportation projects and anticipated development projects would continue to be located in wildfire-prone areas which could continue to potentially exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from wildfires or the uncontrolled spread of wildfires, particularly those populations living down wind of the fire. The technical refinements include minor shifts to jobs and housing but would maintain generally the same transportation and growth pattern, therefore, impacts would remain the same as in the PEIR. SCAG has also reviewed the background information and mitigation measures suggested by CBD specific to wildfire. The revised mitigation measures and background information amplify and clarify the information in the Final PEIR and do not affect the determination of impacts. (Refer to **Chapter 3.0, PEIR Clarifications**, and **Chapter 4.0, Mitigation Measures**, of this Addendum, for additional information regarding refinements made to the mitigation measures.)

While the distribution of housing and jobs would change slightly under limited circumstances as described above, overall, the refinements to the growth forecast would not alter impacts with respect to wildfire risk. Therefore, the technical refinements would not substantially change impacts as compared to those identified in the PEIR; no new or greater impacts would occur.

Cumulative Impacts

At the regional level, the cumulative analysis of impacts would not change. The potential for the Plan to combine with other regional plans to create impacts would remain the same as described in the Final PEIR. The technical refinements to the Plan resulted in minimal impacts to the performance results to Connect SoCal, and still achieves federal Transportation Conformity and meets the State's greenhouse gas reduction targets for passenger vehicles for 2020 and 2035 and do not substantively change the analysis of any of the impact areas (as described above). Therefore, cumulative impacts would remain the same as in the PEIR.

Comparison of Alternatives

Technical refinements for the Plan would not significantly change the comparison of alternatives in the Connect SoCal Final PEIR. Potential impacts from technical refinements are anticipated to be within the

scope of the programmatic-level comparison among the alternatives already considered in the Connect SoCal PEIR: 1) No Project Alternative; 2) Local Input Alternative; and 3) Intensified Land Use Alternative.

The Alternatives chapter of the Final PEIR adequately addresses the range of potential impacts at the programmatic level. Technical refinements would not require a comparison of any new alternatives or alternatives which are considerably different from or inconsistent with those already analyzed in the Connect SoCal PEIR. Therefore, no further comparison is required at the programmatic level.

Other CEQA Considerations

Technical refinements to the Plan, as described in Chapter 2.0, would not significantly change the scope of analysis presented in Chapter 5.0 Other CEQA Considerations, of the Final PEIR, which includes an assessment of programmatic level unavoidable impacts, irreversible impacts, and growth inducing impacts. The technical refinements to the Plan are reasonably covered by the unavoidable and irreversible impacts previously discussed in the Final PEIR.

At the programmatic level, any region-wide growth inducing impacts as a result of the technical refinements are expected to be approximately equivalent to those previously disclosed in the Final PEIR. As such, the technical refinements to the Plan would not be expected to result in any new long-term impacts that are considerably different from or inconsistent with those already analyzed in the Final PEIR.

2.5 SUMMARY OF EFFECTS

As shown above, the technical refinements discussed in this Addendum would be consistent with the Final PEIR. As a result, and as demonstrated in this Addendum, all impacts would be less than or equal to those analyzed in the Final PEIR.

Therefore, the technical refinements discussed in this Addendum would not result in 1) substantial changes in the Plan that require major revisions to the Final PEIR; 2) substantial changes to circumstances that require major revisions to the Final PEIR due to new significant environmental effects or a substantial increase in the severity of previously identified significant effects; 3) new information of substantial importance which was not known and could not have been known at the time to Final PEIR was certified which shows that the Plan will have more significant effects or substantially more severe effects, infeasible mitigation measures are in fact feasible, or other different mitigation measures which would substantially reduce significant effects are not adopted. Therefore, the technical refinements would not trigger any of the conditions that require the preparation of a subsequent or supplemental EIR under

Guidelines sections 15162 and 15163. However, because some changes or additions are necessary to the PEIR, an Addendum to the Final PEIR is the appropriate CEQA document to address the technical refinements (Guidelines § 15164).

2.6 ERRATA TO THE FINAL CONNECT SOCIAL PEIR

The Final PEIR Corrections and Additions and accompanying May 7, 2020, Errata identified a change to the Plan Guiding Principles. The revisions incorrectly identified the Growth Forecast Guiding Principles as Plan Guiding Principles. The correct Guiding Principles for the Plan were correctly identified on Page 2.0-21, Table 2.0-6, of the Draft EIR and are provided again below:

**Table 2.0-3
Connect SoCal Guiding Principles**

Connect SoCal Guiding Principles	
1	Base transportation investments on adopted regional performance indicators and MAP-21/FAST Act regional targets.
2	Place high priority for transportation funding in the region on projects and programs that improve mobility, accessibility, reliability and safety, and that preserve the existing transportation system.
3	Assure that land use and growth strategies recognize local input, promote sustainable transportation options, and support equitable and adaptable communities.
4	Encourage RTP/SCS investments and strategies that collectively result in reduced non-recurrent congestion and demand for single occupancy vehicle use, by leveraging new transportation technologies and expanding travel choices.
5	Encourage transportation investments that will result in improved air quality and public health, and reduced greenhouse gas emissions.
6	Monitor progress on all aspects of the Plan, including the timely implementation of projects, programs, and strategies.
7	Regionally, transportation investments should reflect best-known science regarding climate change vulnerability, in order to design for long-term resilience.

Source: SCAG Connect SoCal, 2020

It is noted that the Growth Forecast Guiding Principles have been updated to address the use of TAZ-level data and maps. In addition, SCAG has clarified the use of TAZ-level data and maps in connection with RHNA compliance. Please refer to the September 3, 2020, Regional Council staff report entitled: Final Connect SoCal Technical Refinements for details about the changes to the Growth Forecast Guiding Principles and other clarifications.

3.0 PEIR CLARIFICATIONS

After the close of the public comment period for the Connect SoCal PEIR, several changes occurred to the regulatory context of the Plan. In addition to SCAG's technical refinements to Connect SoCal (described and analyzed in **Chapter 2.0, Technical Refinements to the Plan and Environmental Effects**, of this Addendum), SCAG received two comment letters from the Center of Biological Diversity (CBD), on May 1, 2020, and May 6, 2020, after the close of the comment period and prior to certification of the Connect SoCal PEIR on May 7, 2020. As the comments were received outside of the comment period, no formal response is required. However, the comment letters provide information related to the environmental setting, environmental impacts, and consideration of other mitigation measures in the PEIR. Therefore, SCAG determined that a PEIR Addendum should be prepared to reflect the additional information provided by CBD. This chapter presents such information so that it is available to the public and decisionmakers in taking action on the Plan.

Therefore, none of the following (as identified in CEQA Guidelines Section 15162) would result from the technical refinements and/or clarified information, analyses and mitigation measures:

- One or more significant effects not discussed in the PEIR.
- Substantial increase in the severity of a previously identified significant effect.
- New mitigation measures or alternatives that were previously found not to be feasible would be, in fact, be feasible and would substantially reduce on or more significant effects of the project but are declined to be adopted by the project proponent.
- Mitigation measures that are considerably different from those analyzed in the EIR that would substantially reduce on or more significant effects but are declined to be adopted.

In general, this information updates regulatory information, expands/clarifies environmental setting information, and further clarifies the significant impacts already identified in the PEIR. Detailed responses to CBD's letters are provided in the Appendix to the Addendum.

3.3 AIR QUALITY

PEIR Page 3.3-14 (within the discussion of environmental setting), provides information on particle pollutants related to humans. The following paragraphs expands the discussion by providing additional information related to pollutants and sensitive species. This information expands and clarifies the

existing information provided in Section 3.3, Air Quality, and is not new significant information as identified in CEQA Guidelines Section 15162.

Air Quality Impacts to Sensitive Species

In addition to impacts to human health, air pollutants have the potential to impact plants including trees and agricultural crops and wildlife. Impacts to sensitive species can be particularly important because such species are typically already stressed, and the additional stressor of poor air quality can have a disproportionate impact. The potential damage ranges from decreases in productivity, a weakened ability to survive drought and pests, to direct mortality. Wildlife can be both directly impacted by air pollution and also as the plants and trees that comprise their habitats are weakened or killed. Aquatic species and habitats are impacted by air pollution through the formation of acid rain that raises the pH level in oceans, rivers and lakes.¹ See also discussion of impacts of Nitrogen Deposition on Sensitive Species in the discussion of Biological Resources below.

PEIR Page 3.3-29 (within the discussion of regulatory framework), provides information on the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule. The following paragraph expands the discussion by providing an update on the status of the SAFE Rule and is not new significant information as identified in CEQA Guidelines Section 15162.

Clean Air Act Waiver for California's GHG Emission Standards for New Motor Vehicles

After publication of the Final PEIR on March 27, 2020, the Safe Rule Part II was signed into law (March 31, 2020, published in the Federal Register April 30, 2020 and effective June 29, 2020). SCAG worked with CARB, USEPA, and FHWA/FTA to identify whether further adjustments to SCAG modeling were necessary to reflect SAFE Part II. It was determined by CARB (and accepted by US EPA and FHWA) that no additional EMFAC off-model adjustment factors were needed to account for the SAFE Part II Rule, and therefore no further adjustments have been made to SCAG modeling as a result of the SAFE Part II Rule.

3.4 BIOLOGICAL RESOURCES

PEIR starting on Page 3.4-12 and Table 3.4-3, Sensitive Wildlife Species Reported in the SCAG Region (within the environmental setting), provides general information on sensitive species in the SCAG region. There are numerous sensitive species including federally and state designated species located in the diverse habitats found in this large area. The PEIR does not provide a discussion of each species, rather

¹ EPA, What is Acid Rain? Webpage. <https://www.epa.gov/acidrain/what-acid-rain>

the PEIR follows the Plan’s multi-species approach to the regions high level of biodiversity. The list of species is updated regularly. Most recently (after publication of the Draft PEIR and substantial completion of the Final PEIR) the Southern California Mountain Lion was identified as a potential candidate species and the Western Joshua Tree and Quino Checkerspot butterfly are to be considered for candidate status in the near future. The following paragraphs provide discussion of these species to augment the information provided in Section 3.4, Biological Resources; it is not new significant information as identified in CEQA Guidelines Section 15162.

Southern California/Central Evolutionary Significant Unit (ESU) of Mountain Lion

On April 16, 2020, the California Fish and Game Commission (CFGC) voted unanimously to advance the Southern California/Central evolutionary significant unit (ESU) of mountain lion to candidacy under the California Endangered Species Act (CESA). Mountain lion populations in Southern and Central Coast California are imperiled as a result of human activities. Land use planning must integrate habitat connectivity in order to protect mountain lions. Continued habitat loss and fragmentation has led to 10 genetically isolated populations within California. There are six identified imperiled mountain lion populations in the ESU; four populations occur within the SCAG region, and they include: the Santa Monica Mountains lions, the Santa Ana Mountains lions, the San Gabriel/San Bernardino Mountains lions, and the Eastern Peninsular Range lions. At least two of the populations (Santa Monica Mountains and Santa Ana Mountains) are severely constrained and facing an extinction vortex due to high levels of inbreeding, low genetic diversity, and high human-caused mortality rates from car strikes on roads, depredation kills, rodenticide poisoning, poaching, disease, and increased human-caused wildfires.^{2,3,4,5,6}

The effective population sizes of the four populations within the SCAG region range from 4 to about 32 mountain lions. An effective population size of 50 is assumed to be sufficient to prevent

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- 2 Ernest HB, Boyce WM, Bleich VC, May B, Stiver SJ, Torres SG (2003) Genetic structure of mountain lion (*Puma concolor*) populations in California. *Conserv Genet* 353–366
 - 3 Ernest HB, Vickers TW, Morrison SA, Buchalski MR, Boyce WM (2014) Fractured genetic connectivity threatens a Southern California puma (*Puma concolor*) population. *PLoS One* 9: . doi: 10.1371/journal.pone.0107985
 - 4 Riley, S. P. D., Serieys, L. E. K., Pollinger, J. P., Sikich, J. A., Dalbeck, L., Wayne, R. K., & Ernest, H. B. (2014). Individual behaviors dominate the dynamics of an urban mountain lion population isolated by roads. *Current Biology*, 24(17), 1989–1994.
 - 5 Vickers, T. W., Sanchez, J. N., Johnson, C. K., Morrison, S. A., Botta, R., Smith, T., ... Boyce, W. M. (2015). Survival and mortality of pumas (*Puma concolor*) in a fragmented, urbanizing landscape. *PLoS ONE*, 10(7), 1–18
 - 6 Benson, J. F., Mahoney, P. J., Sikich, J. A., Serieys, L. E. K., Pollinger, J. P., Ernest, H. B., & Riley, S. P. D. (2016). Interactions between demography, genetics, and landscape connectivity increase extinction probability for a small population of large carnivores in a major metropolitan area. *Proceedings of the Royal Society B: Biological Sciences*, 283(1837), 20160957.

inbreeding depression over five generations, while an effective population size of 500 is considered sufficient to retain evolutionary potential in perpetuity. All of the populations in the SCAG region are well below that minimum threshold of 50, which indicates that these populations are at serious risk of becoming extirpated. Furthermore, mountain lions in the Santa Monica and Santa Ana mountains have been found to have dangerously low genetic diversity and effective population size, and they are likely to become extinct within 50 years if nothing is done to improve gene flow with other mountain lion populations.^{7,8,9}

The primary threat to the long-term survival of mountain lions in the Southern California/Central Coast ESU is genetic isolation due to lack of connectivity caused by continuous development in mountain lion habitat with little consideration to their movement needs. Mountain lions are wide ranging species that have home ranges of 75 to 200 mi². Thus, the persistence of the four populations with the SCAG region relies heavily on being connected with mountain lions throughout the ESU as well as statewide.

Negative edge effects from human activity, traffic, lighting, noise, domestic pets, pollutants, invasive weeds, and increased fire frequency have been found to be biologically significant up to 300 meters (~1000 feet) away from anthropogenic features in terrestrial systems. Human development and associated noise can degrade adjacent wildlife habitat and behavior. One study concluded that even “nonconsumptive forms of human disturbance may alter the ecological role of large carnivores by affecting the link between these top predators and their prey”.¹⁰ In addition, mountain lions have been found to respond fearfully upon hearing human vocalizations, avoiding the area and moving more cautiously when hearing humans.

Western Joshua Tree

The western Joshua tree is currently being considered for listing under the California Environmental Species Act (CESA), if granted then CEQA status would grant the western Joshua tree temporary protections under CESA including heightened review and analysis of projects that have the potential

⁷ Ibid.

⁸ Gustafson, K. D., Gagne, R. B., Vickers, T. W., Riley, S. P. D., Wilmers, C. C., Bleich, V. C., ... Ernest, H. B. (2018). Genetic source–sink dynamics among naturally structured and anthropogenically fragmented puma populations. *Conservation Genetics*, 20(2), 215–227.

⁹ Benson, J. F., Mahoney, P. J., Vickers, T. W., Sikich, J. A., Beier, P., Riley, S. P. D., ... Boyce, W. M. (2019). Extinction vortex dynamics of top predators isolated by urbanization. *Ecological Applications*, 0(0), e01868

¹⁰ Smith JA, Suraci JP, Clinchy M, Crawford A, Roberts D, Zanette LY, Wilmers CC (2017) Fear of the human ‘super predator’ reduces feeding time in large carnivores. *Proc R Soc B Biol Sci* 284:20170433 . doi: 10.1098/rspb.2017.0433

to directly and indirectly impact the western Joshua tree. The species is found only within a specific range of temperature and precipitation, restricting the range. Increased temperatures, reduction in precipitation, development, wildfires, invasive species, and other threats endanger the continued viability of the species.

Quino checkerspot butterfly

The Quino checkerspot butterfly was listed on the Federal Endangered Species Act in 1997. The CBD released a petition to list the Quino checkerspot butterfly as endangered under CESA on June 29, 2020. Quino checkerspot (*Euphydryas editha quino*) was a common spring butterfly of the open forblands, grasslands, and sparse shrublands of Southern California where it typically laid its eggs on the small native forb, *Plantago erecta* (Mattoni et al. 1997). As these landscapes were lost to urban development throughout Los Angeles and Orange county, the remaining populations in Riverside and San Diego counties have been threatened by the invasion of nonnative grasses spread through the ranching era and accelerated by deposition of nitrogen.

PEIR Pages 3.4-5 to 3.4-44 characterize the biological resources in the SCAG region. The following paragraphs provide context as to existing threats to sensitive species posed by nitrogen deposition. This information expands the existing information provided in Section 3.4, Biological Resources, and is not new significant information as identified in CEQA Guidelines Section 15162.

Nitrogen Deposition Effects on to Sensitive Species

As discussed in Section 3.3, Air Quality, nitrogen oxides (NO_x) are released in the air through the burning of fossil fuels (including vehicles fueled by fossil fuels), agricultural fertilizer application, and livestock waste.¹¹ NO_x emissions react with dust or dissolve into rainwater and fall onto ecosystems as reactive nitrogen (Nr) deposition.¹² An increase in nitrogen inputs can lead to soil and water acidification, plant nutrient imbalances, declines in plant health, changes in species composition, increases in invasive species, increased susceptibility to secondary stresses (i.e. freezing, drought, and insect outbreaks). Nitrogen saturation occurs in areas where nitrogen exceeds the plant and microbial demand.¹³ In areas with nitrogen deficiencies, nitrogen deposition can be beneficial.

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- 11 Science News. 2016. *Study finds wide-reaching impact of nitrogen deposition on plants*. Available online at: <https://www.sciencedaily.com/releases/2016/03/160330174216.htm>
- 12 National Park Service. *Studying Reactive Nitrogen Deposition*. Available online at: https://www.nps.gov/articles/cave_n_study.htm.
- 13 Pardo, L.H. 2010. USDA. *Assessment of Nitrogen Deposition Effects and Empirical Critical Loads of Nitrogen for Ecoregions of the United States*. Available online at: https://www.nrs.fs.fed.us/pubs/gtr/gtr_nrs80.pdf

Specifically, areas can see increases in forest growth, carbon sequestration, and stand health in general.¹⁴

Total nitrogen deposition includes wet and dry oxidized and reduced nitrogen. Wet deposition is when rain, snow, or fog carries gases and particles to the earth's surface. Dry deposition is when gases and particles are carried to the surface in the absence of rain, snow, or fog. Oxidized nitrogen is produced from the burning of fossil fuels as well as natural sources such as lightning, forest fires and bacterial decay.¹⁵ Oxidized nitrogen include nitric acid (HNO₃), nitric oxide (NO), nitrogen dioxide (NO₂), ammonia (NH₃), and particulate nitrate (NO₃).¹⁶ Reduced nitrogen is primarily emitted from agricultural systems but also from automobiles. Reduced nitrogen includes ammonia and particulate ammonium (NH₄).¹⁷ In March 2020, the U.S. EPA released regional trends in nitrogen deposition. The annual average total deposition rate of nitrogen in the Pacific region of the U.S. decreased by approximately 11% from 3.7 kg-N/ha to 3.3 kg-N/ha between the periods 2000 – 2002 and 2016-2018. The total deposition of oxidized nitrogen decreased by approximately 37% from an annual average 2.7 kg-N/ha to 1.7 kg-N/ha over the same time period. The total deposition of reduced nitrogen increased approximately 36% from an annual average of 1.1 kg-N/ha in 2000-2002 to 1.5 kg-N/ha over the same time period.^{18 19}

Studies have shown that automobile NH₃ emissions within the South Coast Air Basin come primarily from light-duty gasoline vehicles (depending on the age and mode of driving) and dairy facilities.²⁰ NH₃ can cause short-term and long-term health impacts including eye/lung irritation and impacts to the cardiovascular system. There are no state or national-scale measurements to establish a baseline for ammonia concentrations. However, the National Atmospheric Deposition Program has established the ammonia monitoring network to measure ambient ammonia gas in 100 sites across the U.S. The SCAG region only includes one of these monitoring stations located at Joshua Tree

14 National Park Service. *Studying Reactive Nitrogen Deposition*. Available online at: https://www.nps.gov/articles/cave_n_study.htm.

15 EPA Enviroatlas. *Total Annual Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualNitrogenDeposition.pdf>.

16 EPA Enviroatlas. *Total Annual Oxidized Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualOxidizedNitrogenDeposition.pdf>

17 EPA Enviroatlas. *Total Annual Reduce Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualReducedNitrogenDeposition.pdf>

18 EPA. *Progress Report. Acid Deposition*. Available online at: https://www3.epa.gov/airmarkets/progress/reports/acid_deposition_figures.html#figure3

19 EPA Enviroatlas. *Total Annual Reduce Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualReducedNitrogenDeposition.pdf>

20 National Atmospheric Deposition Program. *Ammonia Monitoring Network (AMoN)*. Available online at: <http://nadp.slh.wisc.edu/amon/>

National Park. Monitoring began in 2010 and the highest concentration of ammonia reported was 3.87 µg/m² in September 2012.²¹

As indicated in Section 3.3, Air Quality, of the PEIR, vehicular NO_x emissions are regulated by CARB. In general, vehicular NO_x emissions are controlled effectively by catalytic converters. A side effect of catalytic converters is the production of NH₃. As a result, although total NO_x is going down in response to regulation, NH₃ has continued to be produced by catalytic converters. NH₃ is an important driver of nitrogen deposition in urban-affected areas and near roadways.²²

Nitrogen deposition has the potential to impact sensitive habitats and species. An increase in nitrogen inputs can lead to soil and water acidification, plant nutrient imbalances, declines in plant health, changes in species composition, increases in invasive species, increased susceptibility to secondary stresses (i.e. freezing, drought, and insect outbreaks).

As stated above, there are no state or federal standards for measuring NH₃ (ammonia gas), and there is only one monitoring station in the SCAG region that measures ammonia gas. As such, measurement and quantification of NH₃ emissions is unreliable. Further, with no national or state standards, there is no threshold for comparison for CEQA purposes.

PEIR Pages 3.4-62 to 3.4-73 analyzes the potential impacts of the Plan on candidate, sensitive and special status species. The following discussion provides additional information regarding the effects of nitrogen deposition and the Plan's approach to habitat protection. This information expands the analysis of BIO-1 provided in Section 3.4, Biological Resources, and is not new significant information as identified in CEQA Guidelines Section 15162.

Potential Impact of Changes in Nitrogen Deposition

As shown in Table 3.3-4, PEIR page 3.3-18, all air quality management districts within the SCAG region are within attainment for NO₂. However, the Mojave Desert Air Basin, Salton Sea Air Basin, South Central Coast Air Basin, and South Coast Air Basin are all in non-attainment for ozone. ROG and NO_x emissions are precursors to ozone; therefore, the air basins are reducing NO_x emissions in order to reduce ozone and meet attainment. As a result, NO_x emissions must continue to be reduced in the SCAG region in order to meet NAAQS attainment standards for ozone; However, as noted above, one of the technologies used to reduce NO_x emissions (catalytic converters) results in the

²¹ National Atmospheric Deposition Program. *Ammonia Monitoring Network (AMoN)*. Available online at: <http://nadp.slh.wisc.edu/amon/>

²² https://www.fs.fed.us/psw/publications/fenn/psw_2018_fenn001.pdf

production of NH₃ (ammonia gas), which in turn drives nitrogen deposition in urban areas near roadways. Therefore, while NO_x may decrease in the region, NH₃ may still be produced by catalytic converters. NH₃, however, is expected to be reduced both with newer model cars and through the introduction of non-combustion engines. As total VMT increases, NH₃ could continue to rise depending on the composition of the vehicle fleet. As stated above, currently, there are no state or national standards for NH₃.

Within the SCAG region, the increase in total VMT and construction of transportation and development projects could lead to an increase in nitrogen deposition that would be harmful to sensitive species. As shown in Table 3.17-14, Total VMT 2019 and 2045 By County, of the Final PEIR, total daily VMT in 2045 would increase when compared to current daily VMT. However, per capita VMT would decrease compared to today and total VMT would be less than if the Plan were not implemented. Unlike NO_x, which is shown to decrease despite increasing total VMT, it is unclear whether NH₃ and total deposited nitrogen has the potential to increase with total VMT due to variables such as engine type and age of car.

The relationship between VMT and NH₃ is unclear. While catalytic converters control NO_x emissions, they do produce NH₃. But as more combustion engines are removed from the road and newer models with cleaner technologies increase, including prevalence of electric cars, NH₃ could actually decrease over the lifetime of the Plan. The Plan supports fleet changes through the inclusion of transportation strategies aimed at electric fleets and other emerging technologies, and in fact, LA Metro, the largest bus fleet in the region, is in the process of phasing out all combustion (gasoline and natural gas) buses from its fleet.

Emerging technologies vary when it comes to their effect on VMT and the removal of combustion engines, and the effect on NH₃ emissions. Some of these technologies, such as alternative fuel vehicles, micro-mobility, bikesharing and microtransit, have a mitigating influence on VMT and encourage fleet changes. Others, such as ride-hailing and automated vehicles, are expected to increase VMT and if their business models do not adapt, but also have the potential to reduce NH₃ emissions, if not powered by combustion engines. Emerging technologies and transportation strategies are further complicated by new work and travel patterns as a result of the ongoing pandemic. Nonetheless, as car fleets turn over, and there are fewer combustion engines on the road, overall nitrogen deposition may not continue to increase, but the overall effect is currently uncertain and speculative.

Plan Approach to Habitat Protection

There are numerous protected species in the SCAG Region (see PEIR Tables 3.4-2 and 3.4-3); it is not possible to determine which of these species may be impacted by specific projects. Rather, the Connect SoCal Plan takes a multi-species benefit approach to conservation, intended to protect and enhance the SCAG region's high-level of biodiversity. Connect SoCal includes key conservation approaches for the species' survival, including habitat preservation, restoration, and connectivity.

Jurisdictions within the SCAG region are aiming to reduce habitat loss and increase connectivity. Ventura County adopted the Habitat Connectivity and Wildlife Corridor project in March 2019. The project included the development of regulations and revisions to zoning ordinances (see Ventura County Ordinance No. 4537 and 4539) and general plan policies to address habitat loss and fragmentation resulting from urban growth. The California Department of Transportation (Caltrans) has also planned a wildlife life crossing through Route 101 Freeway at Liberty Canyon Road in Agoura Hills.

Connect SoCal includes a \$1 billion initiative to develop a Regional Advanced Mitigation Program (RAMP) as part of the Connect SoCal's Core Vision for Sustainable Development. SCAG anticipates that the RAMP will be funded from new revenues that are reasonably available over the life of the Plan, including the implementation of mileage-based user fees at the state and local levels. The RAMP would establish and/or supplement regional conservation and mitigation banks and/or other approaches to offset the impacts of transportation and other development projects. The program structure would be determined in the future by potential implementing entities within the region.

Inclusion of a RAMP in Connect SoCal is based upon an assessment of regional need and the support of stakeholders throughout the region. Support for regional advance mitigation programs as a key element of transportation planning strategy is growing nationally and statewide. Transportation agencies within California, and specifically the SCAG region, have been at the forefront of this trend. Due to SCAG's limited authority, the RAMP would not be able to acquire property in the same way that SANDAG's RAMP would. Instead, SCAG's role would focus more on agency coordination. SCAG plans to work with stakeholders in the future to identify how the RAMP can be structured and implemented and continue to support advanced mitigation initiatives throughout the region.

To assist in defining the RAMP, SCAG is currently leading a multi-year effort to develop a Regional Greenprint that will provide an easily accessible resource to help municipalities, conservation groups, developers and researchers prioritize lands for conservation based on the best available scientific data. Ultimately, the Regional Greenprint effort will also produce a whitepaper on Regional Advance

Mitigation Planning including approaches for RAMP in the SCAG region, needed science and analysis, models, challenges and opportunities and recommendations.

The Plan's Core Vision for Sustainable Development includes strategies intended to support implementation of the SCS, as well as a collection of land use tools that can support protection of mountain lion habit. The Green Region strategy seeks to "preserve, enhance and restore regional wildlife connectivity" (Connect SoCal page 50). Land use tools that are supported for implementation at the local level to meet this objective include Transfer of Development Rights; Urban Greening; and Greenbelts and Community Separators. Each of these strategies include policy language that directly calls for protecting wildlife habitat, enhancing biodiversity, and/or restoring habitat connectivity (Connect SoCal page 53). SCAG has already made progress in implementing the 2016 RTP/SCS by initiating development of a regional "Greenprint." The Greenprint will serve as a strategic web-based conservation tool to provide the best available scientific data and scenario visualizations to help cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farmlands. Through an active, funded partnership with The Nature Conservancy, SCAG will deploy a regional Greenprint tool by 2022 to serve as an online mapping platform illuminating the multiple benefits of natural and agricultural lands through data related to key topics such as habitat connectivity, biodiversity, clean water, agriculture, and greenhouse gas sequestration.

The Natural & Farmlands Technical Report contains "Recommended Policies" and "Next Steps" that will benefit species, including mountain lions, Western Joshua Tree, and Quino checkerspot butterfly including improving natural corridor connectivity; encouraging advance mitigation programs; and encouraging jurisdictions to work across county lines (Connect SoCal page 21- 22).

3.20 WILDFIRE

PEIR Pages 3.20-15 of the PEIR provides regulatory framework information related to wildfire in the SCAG region. The following provides additional information on wildfire resources. This information expands the discussion provided in Section 3.20 Wildfire and is not new significant information as identified in CEQA Guidelines Section 15162.

EO N-16-19, AB 1116, SB 542 and Recent Steps to Augment Firefighting Resources

The California Department of Forestry and Fire Protection (CAL FIRE) is the state's fire protection agency responsible for protecting natural resources from fire on land designated by the State Board of Forestry as State Responsibility Areas. This includes approximately 31 million acres of the state's privately-owned wildlands. California has faced more intense fire seasons in recent years. In order to

support CAL FIRE, the state issued Executive Order (EO) N-16-19, Assembly Bill (AB) 1116, and Senate Bill (SB) 542 and increased the state budget dedicated to CAL FIRE.

In June 2019, the Governor issued EO N-16-19 which authorizes an additional 400 seasonal firefighters to CAL FIRE and 13 new fire engines.²³ In October 2019, Governor Newsom signed into law AB 1116 and SB 542 that focus on improving the physical and mental health of California's first responders. AB 1116, the California Firefighter Peer Support and Crisis Referral Services Act, establishes statewide standards for first responder peer support programs that will provide an agency-wide network of peer representatives available to help employees on emotional or professional issues. SB 542, the Trauma Treatment Act, provides first responders with worker's compensation while recovering from mental health scars and works to improve mental health awareness among firefighters.²⁴ The California 2019-2020 state budget includes \$240.3 million to enhance CAL FIRE's fire protection capabilities, with approximately \$6.6 million (and \$9.3 million ongoing) designated for CAL FIRE's health and wellness program. The health and wellness programs provide medical and psychological services as well as peer support to firefighters.²⁵

On July 9, 2020, Governor Newsom also announced that the state would retain an additional 858 firefighters and six California Conservation Corps (CCC) crews through October in order to protect emergency personnel and evacuees from wildfire during the COVID-19 pandemic.²⁶

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- ²³ Office of Gavin Newsom. 2019. *Governor Newsom Highlights Emergency Preparedness, Additional Resources for this Year's Fire Season*. Available online at: <https://www.gov.ca.gov/2019/07/31/governor-newsom-highlights-emergency-preparedness-additional-resources-for-this-years-fire-season/>.
- ²⁴ Office of Gavin Newsom. 2019. *Governor Newsom Signs Bills to Support Firefighters and First Responders*. Available online at: <https://www.gov.ca.gov/2019/10/01/governor-newsom-signs-bills-to-support-firefighters-and-first-responders/>.
- ²⁵ State of California. *California State Budget 2019-20*. Available online at: <http://www.ebudget.ca.gov/2019-20/pdf/Enacted/BudgetSummary/FullBudgetSummary.pdf>.
- ²⁶ Capitol Public Radio (CapRadio 90.9 FM Sacramento) transcript of Governor Newsom's news conference <https://www.capradio.org/articles/2020/07/09/watch-live-gov-gavin-newsom-update-on-covid-19-and-fire-season-preparation/>

4.0 MITIGATION MEASURES

Since publication of the Final PEIR, SCAG received comments and suggestions to clarify and amplify mitigation measures included in the Final PEIR. SCAG has comprehensively reviewed the mitigation measures and determined in some places, modifications to the mitigation measures is appropriate. These changes are presented below in ~~striketrough~~/underline.

The revised mitigation measures would not result in the need to prepare a supplemental or subsequent PEIR as they would not be considered new information under Guidelines section 15162:

The clarifications to mitigation measures do not represent new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the PEIR was certified and they do **not** indicate any of the following:

- (A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
- (B) Significant effects previously examined will be substantially more severe than shown in the previous EIR;
- (C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; and/or
- (D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

In general, these revised mitigation measures, expand and clarify the existing mitigation measures, providing additional detail where appropriate.

3.2 Agriculture and Forestry

SMM AG-1: SCAG shall host a Natural & Farmlands Conservation Working Group which will provide a forum for stakeholders to share best practices and develop recommendations for natural and agricultural land conservation throughout the region, including the

development ~~and implementation of Connect SoCal's of a Natural and Farm Lands Conservation Strategy for the Connect SoCal Plan.ies.~~

- SMM AG-2:** SCAG shall develop a Regional Greenprint, which is a strategic web-based conservation tool that provides the best available scientific data and scenario visualizations to help cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farm lands. ~~expand on the Natural Resource Inventory Database and Conservation Framework & Assessment by incorporating strategic mapping layers to build the database and further refine the priority conservation areas by (1) further investing in mapping and farmland data tracking and (2) working with County Transportation Commissions (CTCs) and SCAG's subregions to support their county level efforts at data building.~~ SCAG shall use the Greenprint to identify priority conservation areas and work with ~~SCAG shall encourage~~ CTCs to develop advanced mitigation programs or include them in future transportation measures by (1) funding pilot programs that encourage advance mitigation including data and replicable processes, (2) participating in state-level efforts that would support regional advanced mitigation planning in the SCAG region, and (3) supporting the inclusion of advance mitigation programs at county level transportation measures.
- SMM AG-3:** SCAG shall align with funding opportunities and pilot programs to begin implementation of conservation strategies through (1) seeking planning and implementation funds, such as Greenhouse Gas Reduction Funds cap and trade auction proceeds that could advance local action on acquisition and restoration projects locally and regionally, (2) supporting CTCs and other partners, and (3) continuing policy alignment with the State Wildlife Action Plan 2015 Update and its implementation.
- SMM AG-4:** SCAG shall provide incentives to jurisdictions that cooperate across county lines to protect and restore natural habitat corridors, especially where corridors cross county boundaries, as detailed in the Natural & Farmlands ~~Appendix-Technical Report~~ strategies of Connect SoCal. SCAG will work with stakeholders to identify incentives and leverage resources that help protect habitat corridors.

3.3 Air Quality

- PMM AQ-1:** In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation

measures to reduce substantial adverse effects related to violating air quality standards. Such measures may include the following or other comparable measures identified by the Lead Agency:

- a. Minimize land disturbance.
- b. Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes.
- c. Cover trucks when hauling dirt.
- d. Stabilize the surface of dirt piles if not removed immediately.
- e. Limit vehicular paths on unpaved surfaces and stabilize any temporary roads.
- f. Minimize unnecessary vehicular and machinery activities.
- g. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.
- h. Revegetate disturbed land, including vehicular paths created during construction to avoid future off-road vehicular activities.
- i. On Caltrans projects, Caltrans Standard Specifications 10-Dust Control, 17-Watering, and 18-Dust Palliative shall be incorporated into project specifications.
- j. Require contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet. Daily logging of the operating hours of the equipment should also be required.
- k. Ensure that all construction equipment is properly tuned and maintained.
- l. Minimize idling time to 5 minutes or beyond regulatory requirements —saves fuel and reduces emissions.
- m. Provide an operational water truck on-site at all times. Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.
- n. Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.

- o. Develop a traffic plan to minimize community impacts as a result of traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through-traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites. Project sponsors should consider developing a goal for the minimization of community impacts.
- p. As appropriate require that portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles, obtain CARB Portable Equipment Registration with the state or a local district permit. Arrange appropriate consultations with the CARB or the District to determine registration and permitting requirements prior to equipment operation at the site.
- q. Require projects to use Tier 4 Final equipment or better for all engines above 50 horsepower (hp). In the event that construction equipment cannot meet to Tier 4 Final engine certification, the Project representative or contractor must demonstrate through future study with written findings supported by substantial evidence that is approved by SCAG before using other technologies/strategies. Alternative applicable strategies may include, but would not be limited to, construction equipment with Tier 4 Interim or reduction in the number and/or horsepower rating of construction equipment and/or limiting the number of construction equipment operating at the same time. All equipment must be tuned and maintained in compliance with the manufacturer's recommended maintenance schedule and specifications. All maintenance records for each equipment and their contractor(s) should make available for inspection and remain on-site for a period of at least two years from completion of construction, unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance thresholds. Project sponsors should also consider including ZE/ZNE technologies where appropriate and feasible.
- r. Projects located within the South Coast Air Basin should consider applying for South Coast AQMD "SOON" funds which provides funds to applicable fleets for the purchase of commercially available .low-emission heavy-duty engines to achieve near-term reduction of NOx emissions from in-use off-road diesel vehicles.
- s. Projects located within AB 617 communities should review the applicable Community Emissions Reduction Plan (CERP) for additional mitigation that can be applied to individual projects.
- t. Where applicable, projects should provide information about air quality related programs to schools, including the Environmental Justice Community Partnerships (EJCP), Clean Air Ranger Education (CARE), and Why Air Quality Matters programs.

- u. Projects should work with local cities and counties to install adequate signage that prohibits truck idling in certain locations (e.g., near schools and sensitive receptors).
- v. As applicable for airport projects, the following measures should be considered:
 - Considering operational improvements to reduce taxi time and auxiliary power unit usage, where feasible. Additionally, consider single engine taxing, if feasible as allowed per Federal Aviation Administration guidelines.
 - Set goals to achieve a reduction in emissions from aircraft operations over the lifetime of the proposed project.
 - Require the use of ground service equipment (GSE) that can operate on battery-power. If electric equipment cannot be obtained, require the use of alternative fuel, the cleanest gasoline equipment, or Tier 4, at a minimum.
- w. As applicable for port projects, the following measures should be considered:
 - Develop specific timelines for transitioning to zero emission cargo handling equipment (CHE).
 - Develop interim performance standards with a minimum amount of CHE replacement each year to ensure adequate progress.
 - Use short side electric power for ships, which may include tugboats and other ocean-going vessels or develop incentives to gradually ramp up the usage of shore power.
 - Install the appropriate infrastructure to provide shore power to operate the ships. Electrical hookups should be appropriately sized.
 - Maximize participation in the Port of Los Angeles’ Vessel Speed Reduction Program or the Port of Long Beach’s Green Flag Initiation Program in order to reduce the speed of vessel transiting within 40 nautical miles of Point Fermin.
 - Encourage the participation in the Green Ship Incentives.
 - Offer incentives to encourage the use of on-dock rail.
- x. As applicable for rail projects, the following measures should be considered:
 - Provide the highest incentives for electric locomotives and then locomotives that meet Tier 5 emission standards with a floor on the incentives for locomotives that meet Tier 4 emission standards.
- y. Projects that will introduce sensitive receptors within 500 feet of freeways and other sources should consider installing high efficiency of enhanced filtration units, such as

Minimum Efficiency Reporting Value (MERV) 13 or better. Installation of enhanced filtration units can be verified during occupancy inspection prior to the issuance of an occupancy permit.

- z. Develop an ongoing monitoring, inspection, and maintenance program for the MERV filters.
 - Disclose potential health impacts to prospective sensitive receptors from living in close proximity to freeways or other sources of air pollution and the reduced effectiveness of air filtration systems when windows are open or residents are outside.
 - Identify the responsible implementing and enforcement agency to ensure that enhanced filtration units are installed on-site before a permit of occupancy is issued.
 - Disclose the potential increase in energy costs for running the HVAC system to prospective residents.
 - Provide information to residents on where MERV filters can be purchased.
 - Provide recommended schedule (e.g., every year or every six months) for replacing the enhanced filtration units.
 - Identify the responsible entity such as future residents themselves, Homeowner’s Association, or property managers for ensuring enhanced filtration units are replaced on time.
 - Identify, provide, and disclose ongoing cost-sharing strategies, if any, for replacing the enhanced filtration units.
 - Set criteria for assessing progress in installing and replacing the enhanced filtration units; and
 - Develop a process for evaluating the effectiveness of the enhanced filtration units.
- aa. Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities.
- bb. The following criteria related to diesel emissions shall be implemented on by individual project sponsors as appropriate and feasible:
 - Diesel nonroad vehicles on site for more than 10 total days shall have either (1) engines that meet EPA on road emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.

- Diesel generators on site for more than 10 total days shall be equipped with emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.
- Nonroad diesel engines on site shall be Tier 2 or higher.
- Diesel nonroad construction equipment on site for more than 10 total days shall have either (1) engines meeting EPA Tier 4 nonroad emissions standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM emissions by a minimum of 85% for engines for 50 hp and greater and by a minimum of 20% for engines less than 50 hp.
- Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer.
- Diesel vehicles, construction equipment, and generators on site shall be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend approved by the original engine manufacturer with sulfur content of 15 ppm or less.
- The construction contractor shall maintain a list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following:
 - i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment.
 - ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, engine serial number, and expected fuel usage and hours of operation.
 - iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date.
- The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.
- The contractor shall maintain a monthly report that, for each on road diesel vehicle, nonroad construction equipment, or generator onsite, includes:

- i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date.
 - ii. Any problems with the equipment or emission controls.
 - iii. Certified copies of fuel deliveries for the time period that identify:
 - 1. Source of supply
 - 2. Quantity of fuel
 - 3. Quantity of fuel, including sulfur content (percent by weight)
- cc. Project should exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code). The following measures can be used to increase energy efficiency:
- Install programmable thermostat timers
 - Obtain Third-party HVAC commissioning and verification of energy savings (to be grouped with exceedance of Title 24).
 - Install energy efficient appliances (Typical reductions for energy-efficient appliances can be found in the *Energy Star and Other Climate Protection Partnerships* Annual Reports.)
 - Install higher efficacy public street and area lighting
 - Limit outdoor lighting requirements
 - Replace traffic lights with LED traffic lights
 - Establish onsite renewable or carbon neutral energy systems – generic, solar power and wind power
 - Utilize a combined heat and power system
 - Establish methane recovery in Landfills and Wastewater Treatment Plants.
 - Locate project near bike path/bike lane
 - Provide pedestrian network improvements, such as interconnected street network, narrower roadways and shorter block lengths, sidewalks, accessibility to transit and transit shelters, traffic calming measures, parks and public spaces, minimize pedestrian barriers.
 - Provide traffic calming measures, such as:

- i. Marked crosswalks
 - ii. Count-down signal timers
 - iii. Curb extensions
 - iv. Speed tables
 - v. Raised crosswalks
 - vi. Raised intersections
 - vii. Median islands
 - viii. Tight corner radii
 - ix. Roundabouts or mini-circles
 - x. On-street parking
 - xi. Chicanes/chokers
- Create urban non-motorized zones
 - Provide bike parking in non-residential and multi-unit residential projects
 - Dedicate land for bike trails
 - Limit parking supply through:
 - i. Elimination (or reduction) of minimum parking requirements
 - ii. Creation of maximum parking requirements
 - iii. Provision of shared parking
 - Require residential area parking permit.
 - Provide ride-sharing programs
 - i. Designate a certain percentage of parking spacing for ride sharing vehicles
 - ii. Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles
 - iii. Providing a web site or messaging board for coordinating rides

- iv. Permanent transportation management association membership and finding requirement.

3.4 Biological Resources

SMM BIO-1: SCAG shall facilitate reducing future impacts to species identified as a candidate, sensitive, or special status species and its habitats through cooperation, information sharing, and program development. SCAG shall consult with the resource agencies, such as the USFWS, NMFS, USACE, USFS, BLM, and CDFW, as well as local jurisdictions including cities and counties, to incorporate designated critical habitat, federally protected wetlands, the protection of sensitive natural communities and riparian habitats, designated open space or protected wildlife habitat, local policies and tree preservation ordinances, applicable HCPs and NCCPs, or other related planning documents into SCAG's ongoing regional planning efforts and programs such as, such as web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts and sharing of associated online Training materials. Planning efforts shall be consistent with the approach outlined in the California Wildlife Action Plan. Additionally, SCAG's shall vet and distribute environmental data (i.e., endangered species and important habitat areas) to local jurisdictions.

SMM BIO-2: SCAG shall continue to develop a regional conservation strategy in coordination with local jurisdictions and other stakeholders, including the county transportation commissions. The conservation strategy will build upon existing efforts including those at the sub-regional and local levels to identify potential priority conservation areas. ~~SCAG shall develop new regional tools, like the Regional Data Platform and Regional Greenprint to help local jurisdictions identify areas well suited for infill and redevelopment as well as critical habitat and natural lands to be preserved, including natural habitat corridors.~~ SCAG will also collaborate with stakeholders to establish a new Regional Advanced Mitigation Program (RAMP) initiative to preserve habitat. The RAMP would establish and/or supplement regional conservation and mitigation banks and/or other approaches to offset the impacts of transportation and other development projects.

~~To assist in defining the RAMP, SCAG shall lead a multi-year effort to SCAG shall develop new regional tools, like the Regional Data Platform and Regional Greenprint that will provide an easily accessible resource to help municipalities, conservation groups, developers and researchers prioritize lands for conservation based on best available scientific data. The Regional Greenprint effort shall also produce a whitepaper on the RAMP initiative, which includes approaches for the RAMP in the SCAG region, needed science and analysis, models, challenges and opportunities and recommendations. will be supplemental initiative to regional conservation and mitigation banks and other approaches by evaluating, advocating and highlighting projects that support per capita VMT reduction.~~

SMM BIO-3: SCAG shall coordinate with Caltrans and encourage and facilitate research, programs and policies to identify, protect and restore natural habitat corridors, especially where corridors cross county boundaries. Additionally, continue support for preserving wildlife corridors and wildlife crossings to minimize the impact of transportation projects on wildlife species and habitat fragmentation. SCAG shall disseminate key information related to the preservation and implementation of wildlife corridors and crossings by showcasing best practices at SCAG’s Natural Lands Working Groups. SCAG shall also distribute wildlife corridors and crossings data to local jurisdictions, so they may incorporate said data into their general plans, as applicable.

PMM BIO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to threatened and endangered species, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- a. Require project design to avoid occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible.
- b. Where avoidance is determined to be infeasible, provide conservation measures to fulfill the requirements of the applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal ESA, Section 2081 of the California ESA to support issuance of an incidental take permit, and/or as identified in local or regional plans. Conservation strategies to protect the survival and recovery of federally and state-listed endangered and local special status species may include:
 - i. Impact minimization strategies

- ii. Contribution of in-lieu fees for in-kind conservation and mitigation efforts
 - iii. Use of in-kind mitigation bank credits
 - iv. Funding of research and recovery efforts
 - v. Habitat restoration
 - vi. Establishment of conservation easements
 - vii. Permanent dedication of in-kind habitat
- c. Design projects to avoid desert native plants protected under the California Desert Native Plants Act, salvage and relocate desert native plants, and/or pay in lieu fees to support off-site long-term conservation strategies.
- d. Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species.
- e. Develop and implement a Worker Environmental Awareness Program (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources.
- f. Retain a qualified botanist to document the presence or absence of special status plants before project implementation.
- g. Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.
- h. Appoint a qualified biologist to monitor implementation of mitigation measures.
- i. Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.
- j. Develop an invasive species control plan associated with project construction.
- k. If construction occurs during breeding seasons in or adjacent to suitable habitat, include appropriate sound attenuation measures required for sensitive avian species and other best management practices appropriate for potential local sensitive wildlife.
- l. Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance.

- m. Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel.
- n. Project design should address the protection of habitat on both sides of a freeway to improve effectiveness of the crossings.
- o. Project sponsors shall consider the impacts of nitrogen deposition on sensitive species.

PMM BIO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to riparian habitats and other sensitive natural communities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- a. Consult with the USFWS and NMFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA.
- b. Consult with the USFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA and any additional species afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-county area: Angeles, Cleveland, Los Padres, and San Bernardino.
- c. Consult with the CDFW where such state-designated sensitive or riparian habitats provide potential or occupied habitat for state-listed rare, threatened, and endangered species afforded protection pursuant to the California ESA, or Fully Protected Species afforded protection pursuant to the State Fish and Game Code.
- d. Consult with the CDFW pursuant to the provisions of Section 1600 of the State Fish and Game Code as they relate to Lakes and Streambeds.
- e. Consult with the USFWS, USFS, CDFW, and counties and cities in the SCAG region, where state-designated sensitive or riparian habitats are occupied by birds afforded protection pursuant to the MBTA during the breeding season.
- f. Consult with the CDFW for state-designated sensitive or riparian habitats where furbearing mammals, afforded protection pursuant to the provisions of the State Fish and Game Code for fur-bearing mammals, are actively using the areas in conjunction with breeding activities.

- g. Require project design to avoid sensitive natural communities and riparian habitats, wherever practicable and feasible. Where practicable and feasible, require upland buffers that sufficiently minimize impacts to riparian corridors.
- h. Where avoidance is determined to be infeasible, develop sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) to protect sensitive natural communities and riparian habitats and develop appropriate compensatory mitigation, where required.
- i. Appoint a qualified wetland biologist to monitor construction activities that may occur in or adjacent to sensitive communities.
- j. Appoint a qualified wetland biologist to monitor implementation of mitigation measures.
- k. Schedule construction activities to avoid sensitive times for biological resources and to avoid the rainy season when erosion and sediment transport is increased.
- l. When construction activities require stream crossings, schedule work during dry conditions and use rubber-wheeled vehicles, when feasible. Have a qualified wetland scientist determine if potential project impacts require a Notification of Lake or Streambed Alteration to CDFW during the planning phase of projects.
- m. Consult with local agencies, jurisdictions, and landowners where such state-designated sensitive or riparian habitats are afforded protection pursuant an adopted regional conservation plan.
- n. Install fencing and/or mark sensitive habitat to be avoided during construction activities.
- o. Salvage and stockpile topsoil (the surface material from 6 to 12 inches deep) and perennial native plants, when recommended by the qualified wetland biologist, for use in restoring native vegetation to areas of temporary disturbance within the project area. Salvage of soils containing invasive species, seeds and/or rhizomes will be avoided as identified by the qualified wetland biologist.
- p. Revegetate with appropriate native vegetation following the completion of construction activities, as identified by the qualified wetland biologist.
- q. Complete habitat enhancement (e.g., through removal of non-native invasive wetland species and replacement with more ecologically valuable native species).
- r. Use Best Management Practices (BMPs) at construction sites to minimize erosion and sediment transport from the area. BMPs include encouraging growth of native vegetation in disturbed areas, using straw bales or other silt-catching devices, and using settling basins to minimize soil transport.

PMM BIO-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wildlife movement, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- a. Consult with the USFS where impacts to migratory wildlife corridors may occur in an area afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-County area: Angeles, Cleveland, Los Padres, and San Bernardino.
- b. Consult with counties, cities, and other local organizations when impacts may occur to open space areas that have been designated as important for wildlife movement related to local ordinances or conservation plans.
- c. Prohibit construction activities within 500 feet of occupied breeding areas for wildlife afforded protection pursuant to Title 14 § 460 of the California Code of Regulations protecting fur-bearing mammals, during the breeding season.
- d. Conduct a survey to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31.
- e. Prohibit construction activities with 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season.
- f. Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1 or following the nesting season.
- g. When feasible and practicable, proposed projects will be designed to minimize impacts to wildlife movement and habitat connectivity and preserve existing and functional wildlife corridors.
- h. Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on- and off-site.
- i. Long linear projects with the possibility of impacting wildlife movement should analyze habitat linkages/wildlife movement corridors on a broad scale to avoid critical narrow choke points that could reduce function of recognized movement corridor.
- j. Require review of construction drawings and habitat connectivity mapping by a qualified biologist to determine the risk of habitat fragmentation.

- k. Pursue mitigation banking to preserve habitat linkages and corridors (opportunities to purchase, maintain, and/or restore offsite habitat).
- l. When practicable and feasible design projects to promote wildlife corridor redundancy by including multiple connections between habitat patches.
- m. Evaluate the potential for installation of overpasses, underpasses, and culverts to create wildlife crossings in cases where a roadway or other transportation project may interrupt the flow of species through their habitat. Retrofitting of existing infrastructure in project areas should also be considered for wildlife crossings for purposes of mitigation.
- n. Install wildlife fencing where appropriate to minimize the probability of wildlife injury due to direct interaction between wildlife and roads or construction.
- o. Where avoidance is determined to be infeasible, design sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) and in accordance with the respective counties and cities general plans to establish plans to mitigate for the loss of fish and wildlife movement corridors and/or wildlife nursery sites. The consideration of conservation measures may include the following measures, in addition to the measures outlined in MM-BIO-1(b), where applicable:
 - Wildlife movement buffer zones
 - Corridor realignment
 - Appropriately spaced breaks in center barriers
 - Stream rerouting
 - Culverts
 - Creation of artificial movement corridors such as freeway under- or overpasses
 - Other comparable measures
- p. Where the lead agency has identified that a RTP/SCS project, or other regionally significant project, has the potential to impact other open space or nursery site areas, seek comparable coverage for these areas in consultation with the USFWS, CDFW, NMFS, or other local jurisdictions.
- q. Incorporate applicable and appropriate guidance (e.g. FHWA-HEP-16-059), as well as best management practices, to benefit pollinators with a focus on native plants.
- r. Implement berms and sound/sight barriers at all wildlife crossings to encourage wildlife to utilize crossings. Sound and lighting should also be minimized in

developed areas, particularly those that are adjacent to or go through natural habitats.

- s. Reduce lighting impacts on sensitive species through implementation of mitigation measures such as, but not limited to:
- Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting.
 - Design exterior lighting to confine illumination to the project site
 - Provide structural and/or vegetative screening from light-sensitive uses.
 - Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass used on building surfaces.
 - Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties.
- t. Reduce noise impacts to sensitive species through implementation of mitigation measures such as, but not limited to:
- Install temporary noise barriers during construction.
 - Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses.
 - Ensure that construction equipment are properly maintained per manufacturers' specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded.
 - Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.
 - Using rubberized asphalt or "quiet pavement" to reduce road noise for new roadway segments, roadways in which widening or other modifications

- require re-pavement, or normal reconstruction of roadways where re-pavement is planned
- Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction.
 - Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures.
- u. Require large buffers between sensitive uses and freeways.
 - v. Create corridor redundancy to help retain functional connectivity and resilience.

3.8 Greenhouse Gas Emissions

SMM GHG-1: SCAG, in partnership with local air districts, shall continue to work with the counties and cities to adopt qualified GHG reduction plans (e.g., climate action plans [CAPs]), develop GHG-reducing planning policies, and implement local climate initiatives. These reductions can be achieved through a combination of programs that implement plans developed collaboratively, including ZNE in new construction, retrofits of existing buildings, incentivizing the development of renewable energy sources that serve both new and existing land uses, as well as measures to reduce GHG emissions from transportation sources.

Additionally, SCAG shall continue to update the Green Region Initiative (GRI) Sustainability Indicators Mapping tool, which serves as an interactive information resource for jurisdictions within the SCAG region to measure and track sustainability progress in the region across 12 categories and 29 sustainability indicators. The tool fosters collaboration through the sharing of best practices across the 191 cities and six counties in the SCAG region, and identifies opportunities for improving sustainability practices (due to the recent inclusion of SB 535 Disadvantaged Communities data).

SMM GHG-3: SCAG shall continue supporting deployment of zero-emission (ZEV) vehicles and ZEV infrastructure in the region through its Clean Cities Program and Electric Vehicle (EV) Program. This will include working with partners including such as universities, utilities, regulating agencies, the private sector, national laboratories and the US Department of Energy, and NGO's, and member agencies to support deployment of electric vehicle

(EV) charging in the region to share information, resources, and data, to showcase best practices, and to provide support or teaming arrangements to help bring funding, projects, or other resources to the region. SCAG shall also support member agencies and other stakeholders in making decisions about and removing barriers to ZEV infrastructure. Potential deliverables include, but are not limited to:

- EV Charging Station Studies
- On-going webinars, meetings, outreach and GRI data to support AB1236 compliance and the forthcoming Hydrogen Permitting Guidebook.

SCAG shall also create the framework for a program to identify funding and provide rebates and/or other funding for light duty ZEVs and supportive infrastructure.

PMM GHG-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to greenhouse gas emissions, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- a. Integrate green building measures consistent with CALGreen (California Building Code Title 24), local building codes and other applicable laws, into project design including:
 - i. Use energy efficient materials in building design, construction, rehabilitation, and retrofit.
 - ii. Install energy-efficient lighting, heating, and cooling systems (cogeneration); water heaters; appliances; equipment; and control systems.
 - iii. Reduce lighting, heating, and cooling needs by taking advantage of light-colored roofs, trees for shade, and sunlight.
 - iv. Incorporate passive environmental control systems that account for the characteristics of the natural environment.
 - v. Use high-efficiency lighting and cooking devices.
 - vi. Incorporate passive solar design.
 - vii. Use high-reflectivity building materials and multiple glazing.
 - viii. Prohibit gas-powered landscape maintenance equipment.

- ix. Install electric vehicle charging stations.
 - x. Reduce wood burning stoves or fireplaces.
 - xi. Provide bike lanes accessibility and parking at residential developments.
- b. Reduce emissions resulting from projects through implementation of project features, project design, or other measures, such as those described in Appendix F of the *State CEQA Guidelines*.
- c. Include off-site measures to mitigate a project's emissions.
- d. Measures that consider incorporation of Best Available Control Technology (BACT) during design, construction and operation of projects to minimize GHG emissions, including but not limited to:
- i. Use energy and fuel-efficient vehicles and equipment;
 - ii. Deployment of zero- and/or near zero emission technologies;
 - iii. Use lighting systems that are energy efficient, such as LED technology;
 - iv. Use the minimum feasible amount of GHG-emitting construction materials;
 - v. Use cement blended with the maximum feasible amount of flash or other materials that reduce GHG emissions from cement production;
 - vi. Incorporate design measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse;
 - vii. Incorporate design measures to reduce energy consumption and increase use of renewable energy;
 - viii. Incorporate design measures to reduce water consumption;
 - ix. Use lighter-colored pavement where feasible;
 - x. Recycle construction debris to maximum extent feasible;
 - xi. Plant shade trees in or near construction projects where feasible; and
 - xii. Solicit bids that include concepts listed above.
- e. Measures that encourage transit use, carpooling, bike-share and car-share programs, active transportation, and parking strategies, including, but not limited to the following:
- i. Promote transit-active transportation coordinated strategies;

- ii. Increase bicycle carrying capacity on transit and rail vehicles;
- iii. Improve or increase access to transit;
- iv. Increase access to common goods and services, such as groceries, schools, and day care;
- v. Incorporate affordable housing into the project;
- vi. Incorporate the neighborhood electric vehicle network;
- vii. Orient the project toward transit, bicycle and pedestrian facilities;
- viii. Improve pedestrian or bicycle networks, or transit service;
- ix. Provide traffic calming measures;
- x. Provide bicycle parking;
- xi. Limit or eliminate park supply through:
 - i. Elimination (or reduction) of minimum parking requirements
 - ii. Creation of maximum parking requirements
 - iii. Provision of shared parking.
- xii. Unbundle parking costs;
- xiii. Provide parking cash-out programs;
- xiv. Implement or provide access to commute reduction program;
- f. Incorporate bicycle and pedestrian facilities into project designs, maintaining these facilities, and providing amenities incentivizing their use; and planning for and building local bicycle projects that connect with the regional network;
- g. Improving transit access to rail and bus routes by incentives for construction of transit facilities within developments, and/or providing dedicated shuttle service to transit stations; and
- h. Adopting employer trip reduction measures to reduce employee trips such as vanpool and carpool programs, providing end-of-trip facilities, and telecommuting programs including but not limited to measures that:
 - i. Provide car-sharing, bike sharing, and ride-sharing programs;
 - ii. Provide transit passes;

- iii. Shift single occupancy vehicle trips to carpooling or vanpooling, for example providing ride-matching services;
 - iv. Provide incentives or subsidies that increase that use of modes other than single-occupancy vehicle;
 - v. Provide on-site amenities at places of work, such as priority parking for carpools and vanpools, secure bike parking, and showers and locker rooms;
 - vi. Provide employee transportation coordinators at employment sites;
 - vii. Provide a guaranteed ride home service to users of non-auto modes.
- i. Designate a percentage of parking spaces for ride-sharing vehicles or high-occupancy vehicles, and provide adequate passenger loading and unloading for those vehicles;
 - j. Land use siting and design measures that reduce GHG emissions, including:
 - i. Developing on infill and brownfields sites;
 - ii. Building compact and mixed-use developments near transit;
 - iii. Retaining on-site mature trees and vegetation, and planting new canopy trees;
 - iv. Measures that increase vehicle efficiency, encourage use of zero and low emissions vehicles, or reduce the carbon content of fuels, including constructing or encouraging construction of electric vehicle charging stations or neighborhood electric vehicle networks, or charging for electric bicycles; and
 - v. Measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling, composting, and reuse.
 - k. Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities. The measures provided above are also intended to be applied in low income and minority communities as applicable and feasible.
 - l. Require at least five percent of all vehicle parking spaces include electric vehicle charging stations, or at a minimum, require the appropriate infrastructure to facilitate sufficient electric charging for passenger vehicles and trucks to plug-in.
 - m. Encourage telecommuting and alternative work schedules, such as:
 - i. Staggered starting times
 - ii. Flexible schedules

- iii. Compressed work weeks
- n. Implement commute trip reduction marketing, such as:
 - i. New employee orientation of trip reduction and alternative mode options
 - ii. Event promotions
 - iii. Publications
- o. Implement preferential parking permit program
- p. Implement school pool and bus programs
- q. Price workplace parking, such as:
 - i. Explicitly charging for parking for its employees;
 - ii. Implementing above market rate pricing;
 - iii. Validating parking only for invited guests;
 - iv. Not providing employee parking and transportation allowances; and
 - v. Educating employees about available alternatives.

3.11 Land Use and Planning

SMM LU-2: SCAG shall continue to promote the Intergovernmental Review (IGR) Program as an internal and external informational tool by reviewing and monitoring all projects submitted to SCAG for review and working with local jurisdictions to ensure that submitted projects support the most currently adopted Connect SoCal Plan. SCAG shall ~~provide~~ submit comment letters on regionally significant projects to provide policies and goals from Connect SoCal, recommend the application of project-level mitigation measures from the Connect SoCal PEIR and provide additional resources to help the lead agency support or develop ~~a~~ projects that are consistent with the Plan, as appropriate. The IGR Mapping Tool can also be utilized by local jurisdictions to assess regional impacts. To visit the IGR Mapping tool, please go to: <https://maps.scag.ca.gov/IGR/>. For more information on SCAG's IGR Program, please visit: <http://www.scag.ca.gov/programs/Pages/IGR.aspx>.

3.17 Transportation, Traffic, and Safety

SMM TRA-1: SCAG shall facilitate minimizing VMT and related vehicular delay by minimizing impacts to circulation and access, improve mobility, and encourage transit use and Active Transportation via workshops (i.e., Mobility 21 workshop and Regional Transportation Workgroups) and web-based planning tools for local governments, forums with policy makers, and County Transportation Commissions, Planning Agencies, member cities, and state partners.

SMM TRA-2: SCAG shall identify further reduction in VMT set forth by CARB, and fuel consumption that could be obtained through land-use strategies, additional car-sharing programs with linkage to public transportation, additional vanpools, additional bicycle sharing and parking programs, and implementation of a universal employee transit access pass (TAP) program.

SMM TRA-3: SCAG shall continue to facilitate an SB 743 implementation program. Following initiation in 2018, the Sustainable Communities Program will continue to provide direct planning resources to support jurisdictions seeking to establish vehicle miles traveled (VMT) as the metric for evaluating transportation impacts, which will result in more efficient development patterns and support a comprehensive strategy for regional mitigation options. The SB 743 implementation program is a State grant-funded project, co-sponsored by SCAG and LADOT, which seeks to provide technical and mitigation strategy development guidance to local jurisdictions in the six-county SCAG region to facilitate implementation of the VMT-based CEQA transportation impact analysis provisions of SB 743. This coordinated program of technical guidance, evaluation of options, and cooperative engagement with local communities will serve to smooth the transition to the new VMT-reducing development paradigm, helping to ensure a successful region-wide implementation of SB 743 and attainment of the associated GHG reduction goals. Some of the primary features of the scope of work include:

- Evaluate the feasibility of various alternative VMT mitigation options, including local and regional VMT exchange and banking programs.
- Establish CEQA nexus to reduce VMT through a VMT mitigation exchange or banking program alternative.
- Substantiate the legal basis of a VMT exchange program for satisfying CEQA mitigation requirements.

- Collaborate with other communities and jurisdictions to reduce VMT through implementation of a VMT mitigation exchange or bank program.
- Improve the dissemination of transportation project VMT mitigation options.
- Support a variety of TDM strategies for Transportation Management Organization (TMO) membership agencies.
- Provide guidance to facilitate establishment of VMT mitigation exchange or bank programs throughout the region and state

SMM TRA-8: SCAG shall provide a forum ~~the means for~~ for collaboration in planning, communication, and information sharing before, during, or after a regional emergency (i.e., seismic activities, wildfires, and other natural disasters). This will be accomplished by the following:

- SCAG shall develop and incorporate strategies and actions pertaining to response and prevention of security incidents and events as part of the on-going regional planning activities.
- SCAG shall offer a regional repository of GIS data for use by local agencies in emergency planning, and response, in a standardized format.
- SCAG shall enter into mutual aid agreements with other MPOs (as feasible) to provide this data, in coordination with the California OES in the event that an event disrupts SCAG's ability to function.

3.20 Wildfire

SMM WF-1: SCAG shall facilitate minimizing future impacts to fire protection services through information sharing regarding Fire-wise Land Management (vegetation data, fire-resistant building materials, locations where development is vulnerable to wildfire, and best practices for safe land management) with county and city planning departments. SCAG shall provide an annual forum (or forums) aimed at increased wildfire resilience. Forums shall focus on how high wildfire risk towns, cities, and counties in the region can adopt a wildland-urban interface (WUI) code (or similar code) specifically designed to mitigate the risks from wildfire to life and property. Topics to be addressed will include best practices around:

- **Structure density and location:** number of structures allowed in areas at risk from wildfire, plus setbacks (distance between structures and distance between other features such as slopes).

- **Building materials and construction:** roof assembly and covering, eaves, vents, gutters, exterior walls, windows, non-combustible building materials, and non-combustible surface.
- **Vegetation management:** tree thinning, spacing, limbing, and trimming; removal of any vegetation growing under tree canopies (typically referred to as “ladder fuels”), surface vegetation removal, and brush clearance; vegetation conversion, fuel modifications, and landscaping.
- **Emergency vehicle access and evacuation routes:** driveways, turnarounds, emergency access roads, marking of roads, and property address markers.
- **Water supply:** approved water sources and adequate water supply.
- **Fire protection:** automatic sprinkler system, spark arresters, and propane tank storage.

The outcome of the forum shall be a summary of actionable items for local planners. Furthermore, SCAG shall examine wildfire risk management strategies in areas where at-risk critical electrical infrastructure is located based on CPUC and CAL FIRE maps.

SMM WF-2: SCAG, in partnership with technical experts and stakeholders, shall launch or continue existing initiatives to help local towns, cities, and counties to protect Southern California communities and economies from the disruption of wildfire occurrences. Initiatives could include but not be limited to seminars that review the risk of wildfire and approaches for preparation, including strengthening of infrastructure, emergency services, emergency evacuation plans and reviewing building safety codes.

SMM WF-3: SCAG shall develop a ~~regional resilience program~~ Regional Climate Adaptation Framework, which will assist local and regional jurisdictions in managing the negative impacts of wildfires and other hazards caused by climate change. The Climate Adaptation Framework will integrate existing State initiatives, policies, and guidance into the regional framework, helping to connect local and regional land use and transportation planning with State policy goals. The framework will specifically provide communication & outreach strategies and templates for local jurisdictions; toolkits for local jurisdictions to support project implementation, land use, and transportation infrastructure decisions; resources for cities to comply with Senate Bill 379; resources and templates for other metropolitan planning organizations (MPOs); tools and metrics for tracking implementation progress; and a regional framework and coordination strategy. SCAG shall also assist local jurisdictions with wildfire safety requirements for General

Plan Updates by providing the most recent fire-risk data and maps from state-wide resources, including isolated areas that could be subject to fire risk with limited egress routes based on the transportation modeling components of SCAG's Regional Climate Adaptation Framework, and identify specific strategies to reduce vulnerabilities from natural disasters related to land based or atmospheric hazards, climate change, wildfire and other extreme weather events.

- PMM WF-1:** In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to wildfire risk, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:
- a. Launch fire prevention education for local cities and counties such that local fire agencies, homeowners, as well as commercial and industrial businesses are aware of potential sources of fire ignition and the related procedures to curb or lessen any activities that might initiate fire ignition.
 - b. Ensure structures in high fire risk areas are built to current state and federal standards which serve to greatly increase the chances the structure will survive a wildfire and also allow for people to shelter-in-place.
 - c. Improve road access for emergency response and evacuation so people can evacuate safely and timely when necessary.
 - d. Improve, and educate regarding, local emergency communications and notifications with residents and businesses.
 - e. Enforce defensible space regulations to keep overgrown and unmanaged vegetation, accumulations of trash and other flammable material away from structures.
 - f. Provide public education about wildfire risk and fire prevention measures, and safety procedures and practices to allow for safe evacuation and/or options to shelter-in-place.
 - g. Include external sprinklers with an independent water source to reduce flammability of structures.
 - h. Include local solar power paired with batteries to reduce power flow in electricity lines.
 - i. For developments in high fire-prone areas, have a fire protection plan for residents and businesses.

- j. Provide fire hazard and fire safety education for homeowners in or near fire hazard areas.
- k. Developments in fire-prone areas should have fire-resistant feature, such as:
 - Ember-resistant vents
 - Fire-resistant roofs
 - Surrounding defensible space
 - Proper maintenance and upkeep of structures and surrounding area

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APPENDIX A

Responses to Comments



May 1, 2020

Sent via email

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Re: Proposed Final Connect SoCal Plan and Final Program Environmental Impact Report (State Clearing House Number 2019011061)

Dear President Jahn and Regional Councilmembers:

These comments are submitted on behalf of the Center for Biological Diversity (the “Center”) regarding the Final Program Environmental Impact Report (“FEIR”) for the Connect SoCal 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (“Plan”). The Center has reviewed the FEIR and Plan and provides these comments for consideration by the Southern California Association of Governments (“SCAG”).

The Center is encouraged to see several conservation facets of the Plan, including SCAG’s attention to preserve, enhance, and restore regional wildlife connectivity (Plan at 50), avoid growth in wetlands, wildlife corridors, biodiverse areas, wildfire prone areas and floodplains (Plan at 55), encourage housing and commercial development near public transit and urban areas (Plan at 48) and incorporate greenbelts into planning initiatives (Plan at 55). However, the FEIR fails to adequately address critical issues regarding wildlife connectivity and the conservation of mountain lions in the Southern California/Central Coast Evolutionarily Significant Unit (“ESU”). **Given that these mountain lion populations were granted “candidacy status” under the California Endangered Species Act (“CESA”) on April 16, 2020, the FEIR must be revised and recirculated to analyze and mitigate potential impacts on these populations.**

The FEIR is further defective because it fails to account for significant changes in vehicle emissions that will be caused by the rollback of the federal vehicle greenhouse gas emissions and mileage standards. These changes require significant revisions to the air quality, greenhouse gas, and public health sections of the EIR, thus mandating recirculation. Moreover, the Plan and

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Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

FEIR remain legally deficient because they fail to offer concrete, enforceable and performance-based mitigation measures for individual projects that will be funded and/or implemented as a consequence of the Plan. The enclosed letter by Matt Hagemann, P.G., C.Hg. and Paul E. Rosenfeld, Ph.D of the consulting firm Soil/Water/Air Protection Enterprise (the “SWAPE Letter,” included as Exhibit A) further demonstrates that the EIR’s air quality and greenhouse gas analyses contain errors and unsubstantiated conclusions that render the FEIR legally inadequate. We note that the South Coast Air Quality Management District also has identified serious problems with FEIR’s air quality analysis.

1

The Plan provides an opportunity for SCAG to show leadership in land-use planning and greening our transportation infrastructure and development at a regional scale. To achieve SCAG’s goals of a “healthier, safer, more resilient and economically vibrant region,” SCAG must implement a comprehensive approach to growth that addresses human transportation and development needs, the needs of wildlife and habitats that are fragmented by transportation infrastructure and development, and how we can make human and natural communities more resilient to climate change. **We urge SCAG to postpone the May 7th approval hearing in order to address these issues.**

I. Background on the Center

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 1.7 million members and online activists throughout California and the United States. The Center and its members have worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Southern California.

2

II. The FEIR Improperly Defers Analysis and Mitigation of Regional Impacts of the Plan.

While in some circumstances a program EIR may have less detailed analysis of impacts than a project EIR, a program EIR is not an excuse to avoid analysis and mitigation for regional problems which will be exacerbated by the proposed program. This is particularly true here where the Plan will increase the severity of *regional* environmental problems that require *regional* solutions that cannot be adequately addressed by project-specific analysis and mitigation. The CEQA Guidelines state:

3

Where a lead agency is using the tiering process in connection with an EIR for a large-scale planning approval, such as a general plan or component thereof (e.g., an area plan or community plan), the development of detailed, site-specific information may not be feasible but can be deferred, in many instances, until such time as the lead agency prepares a future environmental document in connection with a project of a more limited geographical scale, *as long as deferral does not prevent adequate identification of significant effects of the planning approval at hand.*

(14 Cal. Code Regs. § 15152, emphasis added.) As outlined in further detail below, the FEIR does not comply with the Guidelines because the EIR fails to adequately identify – and then mitigate – significant effects of the “planning approval at hand.”

3

III. The FEIR Fails to Include Enforceable and Performance-based Mitigation Measures.

Many of the FEIR’s mitigation measures are legally inadequate and cannot be considered mitigation under CEQA and applicable case law. (*Lincoln Place Tenants Assn. v. City of Los Angeles* (2007) 155 Cal.App.4th 425, 445 [“A ‘mitigation measure’ is a suggestion or change that would reduce or minimize significant adverse impacts on the environment caused by the project as proposed”]); *Preserve Wild Santee v. City of Santee* (2012) 210 CA 4th 260, 281 [mitigation measures that are so undefined that their effectiveness is impossible to determine are legally inadequate].) The California Attorney General has also expressly disapproved such an approach for measures upon which an agency relies:

Can a lead agency rely on policies and measures that simply “encourage” GHG efficiency and emissions reductions?

4

No. Mitigation measures must be “fully enforceable.” *Adequate mitigation does not, for example, merely “encourage” or “support” carpools and transit options, green building practices, and development in urban centers.* While a menu of hortatory GHG policies is positive, it does not count as adequate mitigation because there is no certainty that the policies will be implemented.

(CA Attorney General 2009.) This guidance applies with equal force to SCAG and the FEIR. In *Sierra Club v. County of San Diego* (2014) 231 Cal.App.4th 1152, the Fourth District Court of Appeal criticized the County of San Diego for including measures in its climate action plan (“CAP”) that were not backed up by a firm commitment by the County that they would be implemented. The Court of Appeal noted that many of the measures in the CAP “are not currently funded,” such that the County of San Diego could not rely upon such unfunded programs to meet GHG reductions. (*Id.* at 1168-1169.) The *Sierra Club* opinion also questioned whether people would actually participate in various programs outlined in the CAP, given that the record contained no evidence of such participation. (*Id.* at 1170.) Here, the Plan and the FEIR suffer from similar defects – there is no evidence of funding for many of the various programs set forth in the Plan, nor evidence in the record that people or industry will actually participate in the voluntary programs described in the Plan.

Notably, in *Sierra Club v. County of San Diego*, the county absolved itself of responsibility to implement GHG reduction programs because San Diego County “does not control how SANDAG spends its money.... The County does not control regional plans or allocation of regional transportation funding.” (*Id.* at 1169.) Like SANDAG, SCAG *does* control how vast sums of money are spent, and can condition the dispersal of such funds to counties, cities, and transportation agencies on whether they comply with the Plan and with specific concrete and enforceable mitigation measures in the Plan. Unfortunately, the Plan and FEIR as currently written allow agencies to avail themselves of large sums of money for environmentally

damaging projects with minimal oversight and no commitment to actually implement mitigation measures.

SCAG can and should significantly revise the FEIR’s mitigation measures so that a lead agency seeking to move forward with an individual project must show compliance with *specific, enforceable, and performance-based mitigation measures in the FEIR in order for an individual project to be consistent with the Plan.* What SCAG cannot do is write a proverbial “blank check” to agencies for environmentally damaging projects, and then disclaim any responsibility for including conditions to limit the impacts of such projects on the environment.

Case law supports our view. In *City of Marina v. Board of Trustees of California State University* (2006) 39 Cal. 4th 341, 367, the Supreme Court held that a lead agency violated CEQA by disclaiming authority to mitigate significant environmental impacts of a project, particularly when it had not asked for funds to mitigate those impacts. The Supreme Court further stated that “[a] finding by a lead agency under Public Resources Code section 21081, subdivision (a)(2), disclaiming the responsibility to mitigate environmental effects is permissible only when the other agency said to have responsibility has *exclusive* responsibility.” (*Id.* at 366.) Here, there is no showing that other agencies have exclusive responsibility to mitigate environmental impacts of the Plan. Moreover, the Supreme Court stated this provision is designed in order to avoid “*the problem of agencies deferring to each other, with the result that no agency deals with the problem.*” (*Id.*, emphasis added.) As currently written, the Plan and FEIR would contribute to “no agency dealing with the problem” of diminishing wildlife connectivity, the plight of Southern California mountain lions, severe air pollution and attendant harm to public health, GHG emissions, among other issues.

Likewise, CEQA requires an EIR to analyze “the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment” (CEQA Guidelines § 15378(a).) Approval of the Plan has the potential to result in reasonably foreseeable indirect changes in physical environment by streamlining approval – and providing funding – for various highway, road, and development projects. As such, the FEIR must describe those impacts and SCAG must use its authority to adopt all feasible mitigation measures to reduce those impacts.

This duty to analyze and mitigate extends to cumulative impacts, which are a particularly significant issue here. One freeway segment or development may not appear to have a significant effect on the environment (e.g., on mountain lions, wildlife connectivity, air quality, GHGs), but the combined impacts of all the projects within the Plan—combined with existing highways and development—can drastically harm California’s environment unless regional mitigation strategies are adopted and funded. Here, CEQA requires that an EIR consider both direct and indirect impacts of a project and fully disclose those impacts to adequately inform the public and decisionmakers. (CEQA Guidelines, § 15064.)

4

IV. The FEIR Fails to Adequately Assess and Mitigate Impacts to the Southern California/Central Coast Evolutionarily Significant Unit of Mountain Lions (*Puma concolor*), Wildlife Movement, and Habitat Connectivity.

The FEIR’s response to comments states that at the time of the preparation of the draft and the final EIR, mountain lions were not listed under CESA. However, the Center, along with the Mountain Lion Foundation, submitted the petition to list Southern California and Central Coast mountain lions (*Puma concolor*) as threatened under CESA in June 2019, well before the December 9, 2019 DEIR release date. And if SCAG was not aware of it then, the Center brought attention to it in our DEIR comment letter, which was submitted in January of 2020 (Exhibit B). Just weeks later, on February 12, 2020, the California Fish and Game Commission (CFGF) published the recommendation of the California Department of Fish and Wildlife (CDFW), stating that “the Department has determined there is sufficient scientific information available at this time to indicate the petitioned action may be warranted” (CDFW 2020). Such a recommendation clearly indicates that the best available science supports the advancement of mountain lions in the SCAG region to candidacy status under CESA. And in at least the last decade or so the California Fish and Game Commission (CFGF) has voted in alignment with CDFW’s recommendation (with one erroneous exception that was later overturned and corrected), given that the determination is based on a reasonable person standard and is supposed to be based solely on science. On April 16, 2020, the same month as the FEIR was published, the CFGF voted unanimously to advance the Southern California/Central Coast ESU of mountain lions to candidacy. SCAG should have anticipated CESA protections for mountain lions in the SCAG area and addressed them accordingly in the FEIR. Even if the Southern California/Central Coast ESU of mountains was not a candidate under CESA at the time of drafting, it is a candidate species at the time of this vote. The FEIR should be revised and recirculated to adequately assess and mitigate impacts to these mountain lions.

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The response goes on to state that “The impact analysis reviewed potential environmental impacts to sensitive biological resources from a regional perspective” and that “Lead Agencies for each individual project will determine the level of environmental review required for subsequent project-level evaluation of individual projects,” ultimately passing on responsibility to adequately assess and mitigate impacts to mountain lions and regional connectivity by various Lead Agencies on a project-by-project basis (FEIR at 9.0-115). However, SCAG fails to realize that conserving the mountain lion ESU requires a “regional perspective” that facilitates a land-use strategy that will effectively preserve or enhance wildlife connectivity while accommodating human population growth and needs. Continuing with a piecemeal approach that has already led to severely genetically isolated populations is a poor strategy and insufficient to adequately mitigate impacts to mountain lions or regional connectivity. This is just going on with business as usual with how the region plans for growth and development, which could drive some of the SCAG region’s mountain lion populations to extinction within 50 years (Benson et al. 2019). This RTP is an opportunity for SCAG to formally recognize that historical and current land-use planning is not sustainable and that we need to alter course. To truly achieve SCAG’s goal of a “healthier, safer, more resilient and economically vibrant region,” planners and decisionmakers must aggressively implement greener transportation and development infrastructure that will make our communities and wild lands safer and healthier.

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

A. CEQA Requires Recirculation in These Circumstances.

CEQA requires recirculation in these circumstances. Public Resources Code section 21092.1 states that “[w]hen significant new information is added to an environmental impact report after notice has been given pursuant to Section 21092 and consultation has occurred pursuant to Sections 21104 and 21153, but prior to certification, the public agency shall give notice again pursuant to Section 21092, and consult again pursuant to Sections 21104 and 21153 before certifying the environmental impact report.” CEQA Guidelines section 15088.5 further state that “As used in this section, the term “information” can include changes in the project or environmental setting as well as additional data or other information.”

Significant new information includes “a disclosure that (1) a new significant environmental impact would result from the project or a new mitigation measure; (2) a substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted; (3) a feasible alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the project's significant impacts but the project's proponents decline to adopt it; or (4) the draft EIR ‘was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.” (*North Coast Rivers Alliance v. Marin Municipal Water Dist. Bd. of Directors*, 216 Cal. App. 4th 614, 654-655.)

Here, “candidacy status” for Southern California mountain lion populations qualifies as significant new information under CEQA. Candidate species are given full protection under CESA.¹ As such, under CEQA, any impact to Southern California mountain lions requires a mandatory finding of significance, and adoption of all feasible mitigation measures. (See CEQA Guidelines § 15065(a)(1) [“mandatory finding of significance” required if there is substantial evidence in the record that a project may cause a “wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; substantially reduce the number or restrict the range of an endangered, rare or threatened species”].) This means that a project is deemed to have a significant impact on the environment as a matter of law if it reduces the habitat of a species, or reduces the number or range of an endangered, rare, or threatened species. (See *Endangered Habitats League, Inc. v. County of Orange* (2005) 131 Cal.App.4th 777, 792 fn. 12 [citing *Defend the Bay v. City of Irvine* (2004) 119 Cal.App.4th 1261, 1273–1274].) Here, the EIR cannot simply label impacts to Southern California mountain lions as “significant,” and move on. (See *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, 514 “[A]n EIR's designation of a particular adverse environmental effect as ‘significant’ does not excuse the EIR's failure to reasonably describe the nature and magnitude of the adverse effect.”].)

CESA also prohibits the “take” of any candidate species absent the issuance of an incidental take permit. (Fish & Game Code §2080; Cal. Code Regs., tit. 14, § 783.1.) As described in more detail in this letter, the Plan and projects included within the Plan will result in

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¹ See, e.g., California Department of Fish and Wildlife, *CESA to the Federal Endangered Species Act*, available at <https://wildlife.ca.gov/Conservation/CESA/FESA>.

significant habitat destruction, loss of habitat connectivity, and direct mortality to mountain lions through vehicle strikes and rodenticide poisoning. At a minimum, the EIR must analyze this issue and SCAG should coordinate with the California Department of Fish and Wildlife to ascertain whether an incidental take permit is required.

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B. The FEIR Fails to Adequately Assess and Mitigate the Sprawl-inducing Impacts of Approved Major Highway Projects

Although the extent of the induced demand effect has been debated, the co-dependent relationship between induced travel and car-oriented sprawl development and the construction/widening/expansion of roads has been widely accepted (Cervero 2001). So much so that in a 2014 policy brief, Caltrans was criticized for “not com[ing] to grips with the reality of induced traffic and the relationship between transportation and land use,” (State Smart Transportation Initiative 2014). The brief goes on to suggest that Caltrans’ failure to foster low-travel land use “has been a barrier to the compact development sought by state policy and may have induced the opposite—low-density, high travel exurban development,” and the authors chastise Caltrans’ negligence in operationalizing sustainability “or any similar concept” into their goals, measures, or actions (State Smart Transportation Initiative 2014).

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This suggests that the historical and recent patterns of growth and development have favored increasing road capacity, which promotes more sprawl. Continuing to approve projects that increase roadway capacity through new freeway developments, widenings, and expansions enables Caltrans to acquire funding for projects that will continue to perpetuate exurban sprawl. Furthermore, recent and historical development trends of more sprawl-centric growth are reflected in the FEIR’s demographics and growth forecasts, which exacerbates the issue. Such forecasts will provide guidance for the region’s transportation investments over the next 25 years, and if the building blocks of the forecasts are based on sprawl-centric growth, then those forecasts amplify a feedback loop of the perceived need for more roads, which will inevitably lead to more sprawl. Instead, the FEIR and the Plan should break the cycle and pivot the region’s land-use planning to facilitate greener transportation infrastructure that facilitates smart growth and actually preserves and enhances regional wildlife connectivity.

C. The FEIR Fails to Adequately Assess and Mitigate the Impacts of More Roads and Increased Sprawl Development to Mountain Lions in the Southern California/Central Coast ESU

Although the FEIR acknowledges that the Plan will have significant and unavoidable impacts to special-status species and wildlife connectivity, the assessment of impacts to mountain lions is inadequate. According to the FEIR the Plan “will result in the direct consumption of 41,546 acres of greenfield [including areas with] a high potential to contain sensitive plant communities and riparian habitats” (FEIR at 3.4-75). The FEIR further states that “[p]otential impacts exist for 16,167 acres of intact natural landscape blocks and 18,716 acres of associated major riparian connectors found within 500 feet of major transportation projects” (FEIR at 3.4-86). Yet SCAG only provides limited mitigation measures that they can uphold, including SMM BIO-1 through SMM BIO-3, which provide for information sharing, developing a regional conservation plan, and encouraging and facilitating research, programs, and policies

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that identify and protect natural habitat corridors. SMM- BIO-3 also states that SCAG will “support for preserving wildlife corridors and wildlife crossings to minimize the impact of transportation projects on wildlife species and habitat fragmentation,” (FEIR at 3.4-89), but it is unclear what “support” means. These mitigation measures are grossly insufficient to minimize the Plan’s significant impacts to mountain lions in the Southern California/Central Coastal ESU and regional wildlife connectivity.

There is ample scientific evidence that indicates mountain lion populations in Southern and Central Coast California are imperiled and that human activities and land use planning that does not integrate adequate habitat connectivity can have adverse impacts on mountain lions. Continued habitat loss and fragmentation has led to 10 genetically isolated populations within California. There are six identified imperiled mountain lion populations in the ESU; four populations occur within the SCAG region, and they include: the Santa Monica Mountains lions, the Santa Ana Mountains lions, the San Gabriel/San Bernardino Mountains lions, and the Eastern Peninsular Range lions. At least two of the populations (Santa Monica Mountains and Santa Ana Mountains) are severely constrained and facing an extinction vortex due to high levels of inbreeding, low genetic diversity, and high human-caused mortality rates from car strikes on roads, depredation kills, rodenticide poisoning, poaching, disease, and increased human-caused wildfires (Ernest et al. 2003; Ernest et al. 2014; Riley et al. 2014; Vickers et al. 2015; Benson et al. 2016; Gustafson et al. 2018; Benson et al. 2019).

The effective population sizes of the four populations within the SCAG region range from 4 to 31.6 (Gustafson et al. 2018; Benson et al. 2019). An effective population size of 50 is assumed to be sufficient to prevent inbreeding depression over five generations, while an effective population size of 500 is considered sufficient to retain evolutionary potential in perpetuity (Traill et al. 2010; Frankham et al. 2014). All of the populations in the SCAG region are well below that minimum threshold of 50, which indicates that these populations are at serious risk of becoming extirpated. Furthermore, mountain lions in the Santa Monica and Santa Ana mountains have been found to have dangerously low genetic diversity and effective population size, and they are likely to become extinct within 50 years if nothing is done to improve gene flow with other mountain lion populations (Benson et al. 2016; Gustafson et al. 2018; Benson et al. 2019). Populations in the San Gabriel/San Bernardino mountains are showing similar trends (Gustafson et al. 2018). This is detailed in the Center’s petition to the California Fish and Game Commission to protect Southern California and Central Coast mountain lions under the California Endangered Species Act (Yap et al. 2019).

The primary threat to the long-term survival of mountain lions in the Southern California/Central Coast ESU is genetic isolation due to lack of connectivity caused by continuous development in mountain lion habitat with little regard of their movement needs. Thus, the persistence of the four populations within the SCAG region relies heavily on being connected with mountain lions throughout the ESU *as well as* statewide. Although the geographic area of the SCAG region is relatively small compared to the state (SCAG covers about 38,000 mi², which is about 23% of the state’s 164,696 mi²), four of the 10 mountain lion populations are within its boundaries. Mountain lions are wide ranging species that have home ranges of 75 to 200 mi²; clearly, anthropogenic barriers are likely limiting their movement and preventing adequate gene flow for the long-term survival of mountain lions throughout the

SCAG region (Ernest et al. 2003; Ernest et al. 2014; Riley et al. 2014; Vickers et al. 2015; Gustafson et al. 2018; Benson et al. 2019). Yet the FEIR continues to approve funding for freeway expansions/widenings/construction without adequate mitigation for wildlife connectivity (e.g., wildlife crossings), which fragments the landscape more severely and propagates sprawl development further out into mountain lion habitat and movement corridors. Prime examples from the Transportation Project List include but are not limited to:

1. Adding HOV and Express lanes on the I-15 from near Murrieta north up to the Victorville area, which fortifies an already serious barrier between the mountain lions in the Santa Ana Mountains and the Eastern Peninsular Range (Ernest et al. 2014; Vickers et al. 2015; Benson et al. 2016) and further bisects the San Gabriel and San Bernardino mountains,
2. Adding mixed flow lanes on SR 138 from the I-5 to SR 14 and on SR 138/18 from SR 122 to US Route 395, which limits north-south movement through a critical linkage area important for genetic mixing between coastal, southern, and northern California lions and therefore an area that is important for statewide genetic connectivity for mountain lions and other native wildlife and plants (Ernest et al. 2003; Penrod et al. 2003; South Coast Wildlands 2008; Gustafson et al. 2018), and
3. Adding HOV lanes to Highway 101 just north of the Santa Monica Mountains from SR 33 to SR 23, which fortifies an already serious barrier between highly imperiled mountain lions in the Santa Monica Mountains and the Santa Susana Mountains and habitat further up the coast (Riley et al. 2014; Gustafson et al. 2018; Benson et al. 2019; Benson et al. 2020).

The approved projects on these three stretches of freeway would directly adversely impact the Santa Ana and Santa Monica mountain lion populations, the two most imperiled populations throughout the state that are predicted to become extinct within 50 years if nothing is done to improve connectivity (Benson et al. 2019). The I-15 and SR138/18 projects would also likely directly adversely impact the San Gabriel/San Bernardino population, an area that is important for genetic connectivity that has an extremely low effective population ($N_e=5$) and is showing similar signs of imperilment as the Santa Ana and Santa Monica populations (Ernest et al. 2003; Gustafson et al. 2017). Yet there are no requirements to mitigate impacts or enhance connectivity in these areas. If such projects are going to be approved, SCAG should require that the project proponents implement effective mitigation strategies into the design of the projects (when planning starts) prior to approving funding for the projects. In addition, SCAG should mitigate impacts to regional connectivity from these projects by allocating proportional funding for wildlife crossing infrastructure projects and acquiring and managing in perpetuity high quality, protected habitat on both sides of a freeway to improve effectivity of the crossings. The FEIR fails to adequately describe, assess, and mitigate impacts to the Southern California/Central Coast ESU of mountain lions.

The FEIR also fails to adequately describe, assess, and mitigate impacts of sprawl development and edge effects on mountain lions. Negative edge effects from human activity, traffic, lighting, noise, domestic pets, pollutants, invasive weeds, and increased fire frequency have been found to be biologically significant up to 300 meters (~1000 feet) away from anthropogenic features in terrestrial systems (Environmental Law Institute 2003). Human

development and associated noise can degrade adjacent wildlife habitat and behavior (*see e.g.*, Slabbekoorn and Ripmeester 2008). There is evidence documenting the effects of human activity specifically on mountain lions. One study found that mountain lions are so fearful of humans and noise generated by humans that they will abandon the carcass of a deer and forgo the feeding opportunity just to avoid humans (Smith et al. 2017).² The study concluded that even “non-consumptive forms of human disturbance may alter the ecological role of large carnivores by affecting the link between these top predators and their prey” (Smith et al. 2017). In addition, mountain lions have been found to respond fearfully upon hearing human vocalizations, avoiding the area and moving more cautiously when hearing humans (Smith et al. 2017; Suraci et al. 2019). Other studies have demonstrated that mountain lion behavior is impacted when exposed to other evidence of human presence, such as lighting or vehicles/traffic (Wilmers et al. 2013; Smith et al. 2015; Benson et al. 2016; Wang et al. 2017; Dellinger 2019).

Other impacts of extending human activities further into mountain lion habitat include increased exposure to rodenticides and other environmental toxicants from homeowners and businesses trying to remove pests. Although mountain lions are not the primary target of rodenticides, secondary poisoning has been documented in many non-target animals, especially predators, including mountain lions (Department of Pesticide Regulation 2018), coyotes (Riley et al. 2003), bobcats (Riley et al. 2007; Serieys et al. 2015), San Joaquin kit fox (McMillin et al. 2008), California fishers (Gabriel et al. 2012), raptors (Lima and Salmon 2010), and many more. Data regarding rodenticide poisoning in mountain lions are limited; however, there is evidence that these big cats are likely vulnerable to similar negative impacts that other predators experience, including direct death, weakened immune systems, and vulnerability to predators or conspecifics (Riley et al. 2003; Riley et al. 2007; Serieys et al. 2015). Several deaths due to rodenticide poisoning have been recently documented in the Santa Monica Mountains population, and such deaths can potentially push already struggling, small populations like the Santa Ana and Santa Monica lions closer to the brink of extinction. In addition, sprawl development can lead to placing more hobby farmers in mountain lion habitat, which can lead to increased conflict with mountain lions when animals are not placed in lion-proof enclosures at night, potentially more depredation events, and the potential issuance of lethal depredation permits or poaching to remove mountain lions from the area. Last, scientific studies have shown that the impacts of free-roaming dogs and cats on wildlife are often underestimated, and in fact, they can pose significant impacts to mountain lions and other wildlife, such as by degrading habitat and spreading disease (Young et al. 2011; Loss et al. 2013; CDFW 2020). To mitigate impacts of roads and development extending into mountain lion habitat and the edge effects associated with human activity, SCAG should provide funding for and implement education and awareness campaigns that teach people how to live in mountain lion habitat and safely coexist with mountain lions. Again, the FEIR fails to adequately assess and mitigate impacts to mountain lions.

The FEIR fails to adequately assess and mitigate impacts to mountain lions from increased frequency of wildfires caused by more human ignitions due to placing more homes in

² See also Sean Greene, “How a fear of humans affects the lives of California's mountain lions,” *Los Angeles Times* (June 27, 2017), available at <http://beta.latimes.com/science/sciencenow/la-sci-sn-pumas-human-noise-20170627-story.html>.

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fire-prone habitats. Although fire is a natural disturbance in California ecosystems, sprawl development with low/intermediate densities extending into habitats that are prone to fire have led to more frequent wildfires that burn larger areas (Syphard et al. 2007; Syphard et al. 2009). Most wildfires in California are caused by human ignitions, like power lines, arson, improperly disposed cigarette butts, debris burning, fireworks, campfires, or sparks from cars or equipment (Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Radeloff et al. 2018; Syphard et al. 2019). In fact, human-caused fires account for 95-97% of all fires in California’s Mediterranean habitats (Syphard et al. 2007; Balch et al. 2017). In addition, climate change is leading to hotter, drier conditions that make fires more likely to burn. At least 29 fires throughout California in the last two years were caused by electric power and distribution lines, and transmission lines are suspected to be the cause of the 2018 Camp Fire and Woolsey Fire (Atkinson 2018; Chandler 2019). Such fires pose a threat to the survival of Southern California/Central Coast ESU mountain lions.

Although mountain lions are highly mobile and generally able to move away from wildfires, in severe weather conditions wind-driven fires can spread quickly – they can cover 10,000 hectares in one to two days, as embers are blown ahead of the fires and towards adjacent fuels (*e.g.*, flammable vegetation, structures) (Syphard et al. 2011). If their movement is constrained by roads and development and they are unable to access escape routes, then their chances of surviving wildfires are greatly reduced. Vickers et al. (2015) documented one death of a collared mountain lion in the Santa Ana Mountains and one in the Eastern Peninsular Range due to human-caused wildfires, and the deaths of two collared mountain lions in the Santa Monica Mountains in 2018 have been attributed to the Woolsey Fire. When researchers looked at Santa Monica mountain lion P-64’s radio collar data, they found that in trying to escape from the Woolsey Fire, he ran to the urban edge, and, unable to find a path turned back and ran back to the burned land P-64 was found dead several weeks later, with severely burned paws (Reyes-Velarde 2018). Environmentally stochastic events (*e.g.*, wildfires, flooding) could destabilize small mountain lion populations and make them vulnerable to extinction (Benson et al. 2016; Benson et al. 2019). In addition, increased frequency of fire ignitions can cause shifts in natural fire regimes, which can lead to large-scale landscape changes, such as vegetation-type conversion or habitat fragmentation, which can impact wide-ranging species like the mountain lion (Jennings 2018). The FEIR fails to adequately assess and mitigate impacts of increased wildfires to mountain lions.

The FEIR should increase landscape connectivity (*e.g.*, by designing corridors, removing barriers, and preserving habitats that are close to each other) to help make mountain lions and other wildlife more resilient to environmentally stochastic events and climate change adaptation (Heller and Zavaleta 2009). Enhanced connectivity that incorporates corridor redundancy (*i.e.* the availability of alternative pathways for movement) would provide resilience to uncertainty, impacts of climate change, and extreme events, including wildfires, by providing alternate escape routes or refugia for mountain lions and other animals seeking safety (Cushman et al., 2013; Mcrae et al., 2008; Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008).

Mountain lions are a key indicator species of wildlife connectivity and healthy ecosystems. As the last remaining wide-ranging top predator in the region, the ability to move through large swaths of interconnected habitat is vital for genetic connectivity and their long-

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term survival. In addition, impacts to mountain lions in the region could have severe ecological consequences; loss of the ecosystem engineer could have ripple effects on other plant and animal species, potentially leading to a decrease in biodiversity and diminished overall ecosystem function. Many scavengers, including California condors, kit foxes, raptors, and numerous insects, would lose a reliable food source (Ruth and Elbroch 2014; Barry et al. 2019). Fish, birds, amphibians, reptiles, rare native plants, and butterflies would potentially diminish if this apex predator were lost (Ripple and Beschta 2006; Ripple and Beschta 2008; Ripple et al. 2014). Any regional transportation plan that does not adequately address wildlife connectivity issues and integrate effective wildlife crossings and corridors based on the best available science could lead to the extirpation of mountain lion populations in the ESU and severe loss of biodiversity and ecosystem function in the region. The FEIR fails to adequately describe, assess, and mitigate impacts to mountain lions, wildlife movement, and habitat connectivity; SCAG should revise and recirculate the FEIR.

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D. The FEIR Fails to Adequately Assess and Mitigate the Impacts of More Roads and Increased Sprawl Development on Wildlife Movement and Habitat Connectivity

As mentioned previously, the FEIR states that the Plan “will result in the direct consumption of 41,546 acres of greenfield [including areas with] a high potential to contain sensitive plant communities and riparian habitats” (FEIR at 3.4-75). The FEIR further states that “[p]otential impacts exist for 16,167 acres of intact natural landscape blocks and 18,716 acres of associated major riparian connectors found within 500 feet of major transportation projects” (FEIR at 3.4-86). To mitigate these impacts, SCAG offers SMM BIO-1 through SMM BIO-3, discussed in the previous section, as well as SMM AG-1 through SMM AG-4, SMM GHG-1, and SMM WF-1. The Center is encouraged to see SCAG will host a multi-stakeholder working group for Natural and Farm Lands Conservation, work with counties to improve data management, encourage County Transportation Commissions to invest in advanced mitigation programs, align with funding opportunities, and provide incentives to jurisdictions that cooperate across county lines to protect and restore natural habitat corridors; however, these mitigation measures are insufficient given the severity and extent of impacts to regional wildlife connectivity. Although the FEIR provides recommendations for lead agencies to mitigate impacts to connectivity, leaving substantive, on-the-ground mitigation to be debated on a project-by-project basis will result in piecemeal protections and is grossly insufficient to adequately mitigate impacts to regional wildlife connectivity.

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The SCAG region’s heterogeneous habitats that include wetlands, streams, grasslands, scrublands, woodlands, pine forests, and desert are important for wildlife connectivity and migration at the local, regional, and global scale. Local connectivity that links aquatic and terrestrial habitats allows various sensitive species to persist, including state-protected foothill yellow-legged frogs (*Rana boylei*), California red-legged frog (*Rana draytonii*), western spadefoot toad (*Spea hammondi*) and western pond turtles (*Actinemys marmorata*). At a regional scale, medium- and large-sized mammals, such as mountain lions (*Puma concolor*), bobcats (*Lynx rufus*), ring-tailed cats (*Bassariscus astutus*), and mule deer (*Odocoileus hemionus*), require large patches of heterogeneous habitat to forage, seek shelter/refuge, and find mates. And at a global scale, numerous areas throughout the region have been identified by

Audubon as Important Bird Areas for resident and migratory birds within the Pacific Flyway, a north-south migratory corridor that extends from Alaska to Patagonia. The region is a hub for local and global biodiversity; wildlife movement and habitat connectivity must be maintained to preserve the area's rich animal and plant diversity.

Impacts to 18,716 acres of associated major riparian connectors found within 500 feet of major transportation projects with insufficient mitigation is alarming because riparian habitats perform a number of biological and physical functions that benefit wildlife, plants, and humans. Loss of what little is left will have severe, harmful impacts on wildlife connectivity, special-status species, overall biodiversity, and ecosystem function. It is estimated that 90-95% of historic riparian habitat in the state has been lost (Bowler 1989; Riparian Habitat Joint Venture 2009). Using 2002 land cover data from CalFire, the Riparian Habitat Joint Venture estimated that riparian vegetation makes up less than 0.5% of California's total land area at about 360,000 acres (Riparian Habitat Joint Venture 2004). Numerous species rely on riparian corridors for both movement and habitat. In fact, 60% of amphibian species, 16% of reptiles, 34% of birds and 12% of mammals in the Pacific Coast ecoregion depend on riparian-stream systems for survival (Kelsey and West 1998). Many other species, including mountain lions and bobcats, often use riparian areas and natural ridgelines as migration corridors or foraging habitat (Dickson et al, 2005; Hilty & Merenlender, 2004; Jennings & Lewison, 2013; Jennings & Zeller, 2017). Yet the FEIR does little to ensure avoidance or minimization of impacts to these important corridors. The FEIR fails to adequately assess and mitigate impacts to riparian corridors that are important for regional wildlife connectivity.

The recommended mitigation measures provided in PMM BIO-4 fall short for regional wildlife connectivity. For example, although the FEIR states wildlife movement buffer zones could be considered, the FEIR does not provide any guidance or the best available science regarding such buffers. A literature review found that recommended buffers for wildlife often far exceeded 100 meters (~325 feet), well beyond the largest buffers implemented in practice (Robins 2002). For example, Kilgo et al. (1998) recommend more than 1,600 feet of riparian buffer to sustain bird diversity. In addition, amphibians, which are considered environmental health indicators, have been found to migrate over 1,000 feet between aquatic and terrestrial habitats through multiple life stages (Semlitsch and Bodie 2003; Trenham and Shaffer 2005; Cushman 2006; Fellers and Kleeman 2007). The foothill yellow-legged frog, a state-threatened species that occurs within the proposed Project, has been observed wintering in abandoned rodent burrows and under logs as far as 100 m (or over 300 feet) from streams (Zeiner 1988). Other sensitive species, such as western pond turtles (*Actinemys marmorata*, a candidate species under the Endangered Species Act) and California newts (*Taricha torosa*), have been found to migrate over 1,300 feet and 10,000 feet respectively from breeding ponds and streams (Trenham 1998; Semlitsch and Bodie 2003). Accommodating the more long-range dispersers is vital for functional connectivity and continued survival of species populations and/or recolonization following a local extinction (Semlitsch and Bodie 2003, Cushman 2006). Additionally, fish rely on healthy upland areas to influence suitable spawning habitat (Lohse et al. 2008). More extensive buffers provide connectivity for species that use and/or rely on terrestrial and aquatic habitat and give biological communities resiliency in the face of climate change (Cushman et al., 2013; Heller & Zavaleta, 2009; Warren et al., 2011). This emphasizes the need to conserve

riparian corridors with large upland buffers, but the FEIR provides grossly insufficient mitigation measures to minimize impacts to riparian corridors.

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The FEIR fails to adequately assess and mitigate impacts of roads and sprawl development on regional wildlife connectivity. Roads and development create barriers that lead to habitat loss and fragmentation, which harms native wildlife, plants, and people. As barriers to wildlife movement, poorly-planned development and roads can affect an animal’s behavior, movement patterns, reproductive success, and physiological state, which can lead to significant impacts on individual wildlife, populations, communities, landscapes, and ecosystem function (Mitsch and Wilson 1996; Trombulak and Frissell 2000; van der Ree et al. 2011; Haddad et al. 2015; Marsh and Jaeger 2015; Ceia-Hasse et al. 2018; Dornas et al. 2019). For example, habitat fragmentation from roads and development has been shown to cause mortalities and harmful genetic isolation in mountain lions in Southern California (Ernest et al. 2014; Riley et al. 2014; Vickers et al. 2015), increase local extinction risk in amphibians and reptiles (Cushman 2006; Brehme et al. 2018; Dornas et al. 2019), cause high levels of avoidance behavior and mortality in birds and insects (Benítez-López et al. 2010; Loss et al. 2014; Kantola et al. 2019), and alter pollinator behavior and degrade habitats (Trombulak and Frissell 2000; Goverde et al. 2002; Aguilar et al. 2008). Habitat fragmentation also severely impacts plant communities. An 18-year study found that reconnected landscapes had nearly 14% more plant species compared to fragmented habitats, and that number is likely to continue to rise as time passes (Damschen et al. 2019). The authors conclude that efforts to preserve and enhance connectivity will pay off over the long-term (Damschen et al. 2019). In addition, connectivity between high quality habitat areas in heterogeneous landscapes is important to allow for range shifts and species migrations as climate changes (Heller and Zavaleta 2009; Cushman et al. 2013; Krosby et al. 2018). Loss of wildlife connectivity decreases biodiversity and degrades ecosystems.

As mentioned previously, SCAG should require that the project proponents implement effective mitigation strategies to improve wildlife connectivity into the design of the projects (when planning starts) prior to approving funding for the projects. In addition, SCAG should mitigate impacts to regional connectivity from these projects by allocating proportional funding for wildlife crossing infrastructure projects and acquiring and managing in perpetuity high quality, protected habitat on both sides of a freeway to improve effectivity of the crossings. It is important to note that various wildlife have different movement needs, which should be accounted for when mitigating for wildlife connectivity. While overcrossings, if properly designed with native vegetation and vegetation structure that accommodates the movement tendencies of multiple species and protected habitat on both sides, can enhance connectivity for a wider ranges of species compared to culverts (Riley et al. 2018), culverts and underpasses have been shown to be effective. However, target species must be carefully considered when determining size and frequency of crossings. For example, mountain lions have been documented using culverts that are about 4 meters (~13 feet) in diameter (Riley et al. 2018; Clevenger and Waltho 2005, Kintsch and Cramer 2011, W. Vickers unpublished data), while smaller animals, including small mammals, reptiles, and amphibians, might require much smaller passageways to actually use them. In addition, smaller species with poor dispersal abilities would require more frequent intervals of crossings to increase their chances of finding a crossing compared to more mobile animals, like mountain lions or deer. And for some amphibian and reptile species, such as California red-legged frogs and western pond turtles, undercrossings

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should have grated tops so that the light and moisture inside the crossings are similar to that of the ambient environment. Ultimately, the FEIR approves funding for billions of dollars worth of road construction/widening/expansion projects without requiring adequate mitigation measures for wildlife connectivity and approves limited funds for just one wildlife crossing. The FEIR fails to adequately assess and mitigate impacts to wildlife movement and connectivity.

The FEIR's lack of requiring or approving funding for wildlife crossings dismisses the importance of regional wildlife connectivity and the need for corridor redundancy (*i.e.* the availability of alternative pathways for movement). Corridor redundancy is important in regional connectivity plans because it allows for improved functional connectivity and resilience. Compared to a single pathway, multiple connections between habitat patches increase the probability of movement across landscapes by a wider variety of species, and they provide more habitat for low-mobility species while still allowing for their dispersal (Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008). In addition, corridor redundancy provides resilience to uncertainty, impacts of climate change, and extreme events, like flooding or wildfires, by providing alternate escape routes or refugia for animals seeking safety (Cushman et al., 2013; Mcrae et al., 2008; Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008).

In addition, adequate mitigation measures should include addressing light, noise, and other aspects of anthropogenic features that can have negative impacts on wildlife. Human development and associated noise can degrade adjacent wildlife habitat and behavior (*see e.g.*, Slabbekoorn and Ripmeester 2008). For instance, field observations and controlled laboratory experiments have shown that traffic noise can significantly degrade habitat value for migrating songbirds (Ware et al. 2015). Subjects exposed to 55 and 61 dBA (simulated traffic noise) exhibited decreased feeding behavior and duration, as well as increased vigilance behavior (Ware et al. 2015). Such behavioral shifts increase the risk of starvation, thus decreasing survival rates. A recent study also highlighted the detrimental impacts of siting development near areas protected for wildlife. The study noted that “Anthropogenic noise 3 and 10 dB above natural sound levels . . . has documented effects on wildlife species richness, abundance, reproductive success, behavior, and physiology” (Buxton et al. 2017). The study further noted that “there is evidence of impacts across a wide range of species [] regardless of hearing sensitivity, including direct effects on invertebrates that lack ears and indirect effects on plants and entire ecological communities (*e.g.*, reduced seedling recruitment due to altered behavior of seed distributors)” (Buxton et al. 2017). Moreover, human transportation networks and development resulted in high noise exceedances in protected areas (Buxton et al. 2017). In addition, preliminary results from studies underway by researchers at UC Davis and University of Southern California, as well as those by other researchers, suggest that the light, noise, and other aspects of highways can have negative impacts on wildlife numbers and diversity near the highways (Vickers 2020). Thus, highways and development expose wildlife to high levels of noise and lighting and can exert negative effects at some level, even if adequate wildlife passageways and fencing are well designed.

The Plan's impacts to 16,167 acres of intact natural landscape blocks will subject the surrounding open space to development edge effects and will likely impact key, wide-ranging predators, such as mountain lions and bobcats (Crooks 2002; Riley et al. 2006; Delaney et al. 2010; Lee et al. 2012; Vickers et al. 2015), as well as smaller species with poor dispersal

abilities, such as song birds, small mammals, and herpetofauna (Cushman 2006; Benítez-López et al. 2010; Kociolek et al. 2011). Negative edge effects from human activity, traffic, lighting, noise, domestic pets, pollutants, invasive weeds, and increased fire frequency have been found to be biologically significant up to 300 meters (~1000 feet) away from anthropogenic features in terrestrial systems (Environmental Law Institute 2003). As mentioned previously, limiting movement and dispersal can affect species’ ability to find food, shelter, mates, and refugia during and after disturbances like fires or floods. Individuals can die off, populations can become isolated, sensitive species can become locally extinct, and important ecological processes like plant pollination and nutrient cycling can be lost. In addition, linkages and corridors between major core habitat areas are important to allow for range shifts and species migrations as climate changes. Berms and sound/light barriers should be implemented at all wildlife crossings to encourage wildlife to utilize the crossings. Sound and lighting should also be minimized developed areas, particularly those that are adjacent to or go through natural habitats. And SCAG should provide funding for and implement education and awareness campaigns that teach people how to safely coexist with wildlife and facilitate wildlife movement. Other mitigation measures can be found in a letter submitted to Caltrans regarding the California Transportation Plan 2050 (Exhibit C). Again, the FEIR fails to adequately assess and mitigate impacts to wildlife movement and habitat connectivity.

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E. The Plan Fails to Prioritize Funding to Support the Goals to Preserve, Enhance and Restore Regional Wildlife Connectivity and Increase Roadway Safety

The FEIR fails to adequately mitigate impacts to regional wildlife connectivity. Although the FEIR touts the construction of the Liberty Canyon Wildlife Crossing over Highway 101 in a mountain lion crossing hotspot identified by researchers (Riley et al. 2018), that project is not listed in the Transportation Project List Technical Report. In fact, only 20% of the funding for the Liberty Canyon wildlife crossing, projected to cost \$87 million, will be drawn from public funds allocated toward conservation campaigns. The remaining 80% must be raised from private sources. And only one wildlife crossing is included in the Transportation Project List at about \$1.9 million. Meanwhile, billions of dollars are being approved for numerous freeway construction/widening/expansion projects, including those that would directly impact imperiled mountain lion populations in the SCAG region. These actions do not reflect the Plan’s laudable goal to “[p]reserve, enhance and restore regional wildlife connectivity,” (Plan at 50). Transportation projects should have clear requirements to enhance wildlife connectivity prior to approval for funding. Implementing wildlife crossing infrastructure should be prioritized, to improve both wildlife connectivity and driver safety, and more funding should be allocated to such projects.

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Aside from the benefits to wildlife and plants discussed in previous sections, enhancing wildlife connectivity would improve public health and safety. Wildlife-vehicle collisions pose a major public safety and economic threat, as well as a threat to the region’s wildlife and biodiversity. During 2015 to 2018 more than 26,000 incidents involving vehicles and wildlife were reported to the California Highway Patrol, which included reports of animals standing next to, in, or running across lanes, collisions with large animals, or swerving to avoid collisions and resulting in a crash (Shilling et al. 2019). State reports and car insurance companies estimate that

that 7,000 to 23,000 wildlife vehicle collisions (with large mammals) have occurred annually on California roads (Shilling et al. 2017; Shilling et al. 2018; Shilling et al. 2019; State Farm Insurance Company 2016, 2018). These crashes result in human loss of life, injuries, emotional trauma, and property damages that can add up to an estimated \$300-600 million per year and over \$1 billion from 2015-2018, based on reported wildlife vehicle collisions. And it is important to note that collisions with large animals often go unreported as much as 5- to 10-fold (Donaldson and Lafon 2008; Olson et al. 2014; Donaldson 2017). Numerous wildlife-vehicle collision hotspots have been identified throughout the SCAG region, but these areas are not being prioritized for highway improvements.

Allocating more funding for wildlife crossing infrastructure would help mitigate impacts to mountain lions and regional connectivity, and it would align with the Plan’s guiding principle to “[p]lace high priority for transportation funding in the region on projects and programs that improve mobility, accessibility, reliability and safety, and that preserve the existing transportation system” (Plan at 10). Other states, including Arizona, Colorado, Florida, Montana, Nevada, Oregon, New Mexico, Utah, Washington, and Wyoming, have been proactively addressing wildlife connectivity issues and realizing the benefits of wildlife crossing infrastructure. For example, Arizona, Colorado, and Wyoming have seen 80-96% reductions in wildlife vehicle collisions while gradually increasing the level of wildlife permeability over time (it appears that some species take more time than others to adapt to crossings) on sections of highways where they have implemented wildlife crossing infrastructure, such as underpasses, culverts, overpasses, wildlife fencing, and escape ramps (Dodd et al. 2012; Sawyer et al. 2012; Kintsch et al. 2018). Utah recently completed the state’s largest wildlife overpass at Parleys Canyon for moose, elk, and deer. Washington State is about to complete its largest wildlife overpass on I-90, which is anticipated to provide habitat connectivity for a wide variety of species between the North and South Cascade Mountains. The overpass cost \$6.2 million as part of a larger \$900 million expansion project that will include multiple wildlife crossings along a 15-mile stretch of highway. Savings from less hospital bills, damage costs, and road closures from fewer wildlife vehicle collisions will make up those costs in a few years (Valdes 2018). State transportation departments are actively pursuing these types of projects because of the benefits for wildlife connectivity, public safety, and the economy. California lags behind many states when it comes to building wildlife crossings. SCAG should more actively invest in preserving habitat connectivity where there are no roads while also enhancing or restoring connectivity where roads or other transportation infrastructure already exist. The FEIR fails to adequately assess and mitigate impacts to the region’s mountain lions and regional wildlife connectivity.

V. The FEIR Does Not Adequately Analyze or Mitigate the Air Quality Impacts of the Plan.

A. Air pollution is a Public Health Crisis That Can Be Addressed by Focusing Development In and Near Existing Cities.

Air quality is a significant environmental and public health concern as unhealthy, polluted air contributes to, and exacerbates many diseases and mortality rates. In the U.S., government estimates indicate that between 10-12 percent of total health costs can be attributed

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to air pollution. (VCAQR 2003) Many plants and trees, including agricultural crops, are injured by air pollutants. This damage ranges from decreases in productivity, a weakened ability to survive drought and pests, to direct mortality. (VCAQR) Wildlife is also impacted by air pollution as the plants and trees that comprise their habitats are weakened or killed (yet the FEIR contains no analysis of the impacts of air pollution on wildlife). Aquatic species and habitats are impacted by air pollution through the formation of acid rain that raises the pH level in oceans, rivers and lakes. (EPA 2016) Greenhouse gases, such as the air pollutant carbon dioxide which is released by fossil fuel combustion, contribute directly to human-induced climate change. (EPA 2016) In this feedback loop, poor air quality that contributed to climate change will in turn worsen the impacts of climate change and attendant air pollution problems. (BAAQMD 2016)

Some of the nation’s most polluted counties are in Southern California. (ALA 2016) Air pollution and its impacts are felt most heavily by young children, the elderly, pregnant women and people with existing heart and lung disease. People living in poverty are also more susceptible to air pollution as they are less able to relocate to less polluted areas, and their homes and places of work are more likely to be located near sources of pollution, such as freeways or ports, as these areas are more affordable. (BAAQMD 2016; ALA 2016.) Pollution sources include transportation, industry and manufacturing, construction, the importation and movement of goods, and energy development. Transportation presents one of the most significant sources of pollution in urban areas, where large segments of the population are constantly exposed to roads and traffic. (BAAQMD 2016; Newman)

Although there are many different types of air pollution, Ozone, Fine Particulate Matter and Toxic Air Contaminants are of greatest concern in urban areas, particularly in Southern California. These three air pollutants have been linked to an increased incidence and risk of cancer, birth defects, low birth weights and premature death, in addition to a variety of cardiac and lung diseases such as asthma, COPD, stroke and heart attack. (Laurent 2016; ALA 2016) Ozone, also commonly referred to as smog, is created by the atmospheric mixing of gases resulting from fossil fuel combustion and other volatile organic compounds and sunlight. Although it is invisible, ozone poses one of the greatest health risks, prompting the EPA to strengthen its National Ambient Air Quality Standard for Ozone in 2015. (ALA 2016) Fine Particulate Matter is generally found in urban areas as a result of vehicle exhaust emissions, and these microscopic particles are what contribute to visible air pollution. These tiny particles are dangerous because they are small enough to escape our body’s natural defenses and enter the blood stream. Fugitive dust is a term used for fine particulate matter that results from disturbance by human activity such as construction and road-building operations. (VCAQR 2003) Fine Particulate Matter can also result from ash caused by forest fires, which will continue to impact those living in the urban-wildland interface and increasingly beyond as climate change exacerbates the risk of forest fires. (BAAQMD 2016) Toxic Air Contaminants are released from vehicle fuels, especially diesel, which accounts for over 50% of the cancer risk from TACs. (BAAQMD 2016) This is especially relevant for Southern California with its abundance of diesel shipping traffic. (Bailey; Betancourt 2012)

Urban infill is an effective plan for reducing the air pollution and greenhouse gas emission resulting from heavy reliance on vehicles. Centrally locating housing, shopping and places of employment reduces vehicle miles travelled and new road construction. With fewer

roads and less traffic, it will be less likely that housing will be located near busy, polluting roads, which is a large source of exposure. (BAAQMD 2016) Infill planning also allows for realistic promotion of alternative transportation such as walking or biking.

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B. The FEIR’s Analysis of Public Health Impacts Is Misleading and Inaccurate.

The FEIR must adequately analyze the potential health risks—including cumulative impacts—arising from air pollution generated directly or indirectly by the Plan, including projects funded or included in the Plan. The Guidelines require EIRs to discuss health impacts that are reasonably foreseeable consequence of a project. (Guidelines § 15126.2.) The EIR must assure that this is a robust health assessment for all criteria pollutants, Mobile Source Air Toxics, such as acrolein, benzene, 1,3-butadiene, diesel particulate matter, formaldehyde, naphthalene, and polycyclic organic matter, and Toxic Air Contaminants. Simply providing emissions levels or general descriptions of health impacts provides an inadequate context to decisionmakers and the public of the Plan’s reasonably foreseeable effects on public health. In *City of Long Beach v. City of Los Angeles* (2018) 19 Cal.App.5th 465, the court held the agency failed to proceed in a manner required by law because the EIR did not include information on the air pollution impacts of the project on specific areas near the project vicinity, including how frequently and for what length of time the level of particulate air pollution in the surrounding area would exceed standards of significance. (*Id.* at 487-88.)

Sierra Club v. County of Fresno (2018) 6 Cal.5th 502 likewise requires that an EIR “inform the public how its bare numbers translate to create potential adverse impacts or it must adequately explain what the agency does know and why, given existing scientific constraints, it cannot translate potential health impacts further.” Here, the FEIR does not meet this standard. While the FEIR does include a general discussion of “health implications” (FEIR at 3.3-61) it includes only general statements regarding potential health issues associated with air pollution. Moreover, the FEIR states:

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Both ozone and particulate matter are known to have negative public health impacts especially for sensitive populations, like children, the elderly, and those with respiratory or cardiovascular health problems. Therefore, the potential for Connect SoCal to adversely affect public health was evaluated using cancer risk from diesel particulate matter as a proxy for respiratory health.

(FEIR at 3.3-62.) The FEIR’s reasoning here is unclear—why is cancer risk from diesel particulate matter (“DPM”) being used as a proxy for respiratory health? While DPM is clearly one type of dangerous pollutant, there are various other pollutants that can cause health problems. The FEIR should include detailed analysis and studies on the health risks of all pollutants associated with the Plan. In addition, as discussed below, it appears that the FEIR does not account for recent rollbacks to emissions standards, which will likely intensify the public health impacts of the Plan. This requires revision and recirculation of the EIR.

To the extent the exact nature of development under the Plan is uncertain at this time, the agency must use its best efforts to find out all that it reasonably can, and then disclose any remaining uncertainties after conducting such an investigation and inquiry. (See *San Diego Citizenry Group v. County of San Diego* (2013) 219 Cal.App.4th 1, 21-24.)

C. The FEIR Fails to Remedy the Deficiencies in the Air Quality Analysis Identified by SCAQMD.

The South Coast Air Quality Management District (“SCAQMD”) submitted a lengthy comment letter on the EIR (the “SCAQMD Letter”), which identified various deficiencies with the EIR’s analysis. For instance, the SCAQMD Letter noted that the EIR’s analysis improperly credits the Plan with emissions reductions associated with air quality and health risks that will occur independently of the Plan due to CARB regulations. In responses to comments, SCAG concedes that emissions reductions “can be attributed to CARB regulations and efforts at implementing cleaner fuel standards and promoting lower emitting vehicle” and that “emission reductions from CARB regulations would occur regardless of the Plan.” (FEIR at 9.0-42.)

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Again, as discussed in Section VI below, recent federal actions have significantly changed the emissions standards applicable to California, rendering SCAG’s analysis incorrect. The corresponding public health analysis, including the health risk assessment, needs to be revised.

The SCAQMD Letter also is correct that the FEIR does not analyze or disclose public health impacts using the correct baseline—by comparing public health impacts from the Plan in 2045 to existing public health impacts in 2019, the FEIR misleadingly claims that cancer risk will be reduced. The HRA analysis shows that cancer risks will substantially exceed the significance threshold of 41.3 in a million, and SCAG should revise the FEIR to acknowledge the significant impacts of the Plan and describe those impacts in detail.

D. Independent Analysis By SWAPE Confirms That the EIR’s Air Quality and Greenhouse Gas Analysis Does Not Comply with CEQA.

The enclosed letter by Matt Hagemann, P.G., C.Hg. and Paul E. Rosenfeld, Ph.D of the expert consulting firm SWAPE (the “SWAPE Letter,” included as Exhibit A) demonstrates that the EIR’s air quality and greenhouse gas analyses contain errors and unsubstantiated conclusions that render the FEIR inaccurate.

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We urge SCAG to delay consideration of this project until the FEIR has been revised to address the issues outlined in the SWAPE Letter. As described in further detail in the SWAPE Letter, the basic problem with the FEIR is that it does not do what CEQA requires: provide an accurate and complete analysis of the Plan’s air quality and greenhouse gas impacts and consider and adopt alternatives and mitigation measures to reduce those impacts to the greatest extent feasible. Furthermore, it does not appear that the issues identified in the SWAPE Letter were addressed in the Corrections and Additions document included with the FEIR.

E. The FEIR should require stronger air quality mitigation measures.

CEQA requires that—prior to the approval of a project—the lead agency adopt all feasible mitigation measures which will avoid or substantially lessen the significant environmental effects of the project. (Pub. Res. Code § 21002.) In addition, “Where several

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measures are available to mitigate an impact, each should be discussed and the basis for selecting a particular measure should be identified.” (CEQA Guidelines § 15126.4(a)(1)(B).)

As outlined in more detail in the SWAPE Letter, the EIR does not demonstrate that the SCAG considered all potentially feasible mitigation measures for each type of air pollution, or adopted all feasible measures. Indeed, there are a wealth of mitigation measures already proposed by other agencies in technical reports that were not incorporated in the EIR.

Many mitigation measures that should be considered and adopted are described in detail in the documents attached: (1) San Joaquin Valley Air Pollution Control District: Mitigation Measures, (2) Bay Area Air Quality Management District, *California Environmental Quality Act: Air Quality Guidelines* (2011), (3) Sacramento Metropolitan Air Quality Management District, Recommended Guidance for Land Use Emission Reductions Version 3.3 (for Operational Emissions) (2016), (4) San Luis Obispo County Air Pollution Control District, CEQA Air Quality Handbook: A Guide for Assessing the Air Quality Impacts For Projects Subject to CEQA Review (2012), (5) California Air Pollution Control Officers Association (CAPCOA), *CEQA and Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act* (2008), and (6) California Attorney General’s Office, *Addressing Climate Change at the Project Level* (2010). The documents identify existing and potential mitigation measures that could be applied to projects during the CEQA process to reduce a project’s air pollution and GHG emissions. These mitigation measures also provide the co-benefit of reducing many criteria emissions that contribute to the significant impacts to air quality from the Plan and should be evaluated for their feasibility in reducing both GHGs and criteria pollutants.

Because CEQA requires the adoption of all feasible mitigation measures to reduce significant impacts, the Plan must adopt all feasible mitigation measures to reduce air quality and GHG impacts or provide “substantial evidence” as to why the mitigation measures are infeasible. (Guidelines § 15091(b).) Again, even if the Plan’s impacts are *unavoidable* that does not absolve SCAG of its obligation to *mitigate* significant impacts to the extent feasible. The Center therefore suggest the FEIR consider and adopt all feasible mitigation measures set forth in the attached references and the SWAPE Letter. Their feasibility is proven, in many cases, by their actual implementation by cities and counties across California.

F. The FEIR Must Disclose and Mitigate the Public Health Impacts of Siting Residential Development Next to Freeways.

The FEIR does not properly disclose the health risks of siting residential development or other sensitive uses adjacent to freeways or highways. Numerous studies have documented the air pollution and health impacts associated with siting expressways and freeways in close proximity to residential development, particularly upon sensitive receptors such as children and the elderly. (Lin 2002.) A review of 700 studies concluded that pollution causes asthma attacks in children, the onset of childhood asthma, impaired lung function, premature death and death from cardiovascular diseases, and cardiovascular morbidity. (Health Effects Institute 2010³.)

³ Full appendices of this study are available at <https://www.healtheffects.org/publication/traffic-related-air-pollution-critical-review-literature-emissions-exposure-and-health>.

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The Health Effects Institute study concluded that the “exposure zone” was 300 to 500 meters from the highways (984 feet to 1640 feet). (*Id.*) Other studies have reached similar conclusions. (*See* Anderson 2011; Suglia 2008.) Living near expressways also increases the likelihood that residents will suffer from dementia. (Chen 2017.) The University of Southern California’s Environmental Health Centers have also collected data and studies showing risks and health impacts to pregnant women, babies, children, teenagers, adults, and seniors of living by a freeway.⁴ In short, the FEIR fails to address the overwhelming body of peer-reviewed scientific evidence demonstrating that siting development next to a freeway or expressway will lead to significant health effects on the residents.

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The Plan and EIR are particularly defective for failing to adequately account for how highway developments or expansion associated with or funded by the Plan will make this existing problem more severe (e.g., by bringing existing residents into closer proximity to highways).

The FEIR also fails to offer any real mitigation measures to address these public health impacts of the Plan. The FEIR could require certain minimum buffers between freeways and sensitive receptors, and could require high efficiency air filters in existing homes near freeways or planned freeways, and/or set aside a fund for such filters. The FEIR could also require vegetative barriers as a mitigation measure. The FEIR should have a detailed discussion of this issue and require project-level mitigation measures to address it.

VI. The EIR Must be Revised and Recirculated to Incorporate the SAFE Rule.

SCAG must revise and recirculate the EIR because its analysis fails to account for the significant changes in vehicle emissions that will be caused by the rollback of the federal vehicle greenhouse gas emissions and mileage standards.

The Safer, Affordable, Fuel-Efficient (“SAFE”) Vehicles Rule has been finalized in two parts. On September 19, 2019, the National Highway Traffic Safety Administration (“NHTSA”) and EPA issued SAFE I, which states that federal law preempts state and local laws regarding tailpipe GHG emissions standards, zero emissions vehicle mandates, and fuel economy for automobiles and light duty trucks. The rule revokes California’s Clean Air Act waiver and preempts California’s Advanced Clean Car Regulations. SCAG noted in its EIR that the SAFE I rule “may potentially impact SCAG’s Connect SoCal and transportation projects in the SCAG region.” (FEIR at 3.8-24.)

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On March 31, 2020, NHTSA and EPA signed the SAFE II rule (published in the Federal Register on April 30, 2020)⁵, under which EPA weakened its model year (“MY”) 2021-2026 greenhouse gas standards for passenger cars and light trucks, and NHTSA rolled back mileage standards for passenger cars and light trucks for MY 2021-2026 vehicles to (at most) 1.5%

⁴ See University of Southern California, *References: Living Near Busy Roads or Traffic Pollution*, available at <http://envhealthcenters.usc.edu/infographics/infographic-living-near-busy-roads-or-traffic-pollution/references-living-near-busy-roads-or-traffic-pollution> (collecting studies).

⁵ 85 Fed. Reg. 24,174 (April 30, 2020).

annual increases in fuel economy standards, as compared to annual increases of nearly 5% under the existing standards. According to the agencies’ own analysis—which significantly underestimates emissions—the SAFE II rule results in a nearly 1 billion metric ton increase in CO₂ emissions compared with the prior Obama standards over the lifetime of vehicles through model year 2029,⁶ at least short-term increases in SO₂, and potential increases in NO_x emissions in the long-term.⁷

The failure to properly analyze the increases of emissions from SAFE I as well as the need to include the estimated increases from SAFE II infects the GHG, criteria pollutant, and public health analyses of the FEIR.⁸ As to the transportation conformity analysis, SCAG’s EIR states that it incorporates the emissions increases resulting from the SAFE I rule “by using the EMFAC2014 off-model adjustment factors released by ARB on November 20, 2019 and approved by U.S. EPA on March 12, 2020.”⁹ However, EMFAC does not account for upstream emissions that are likely to result from changes to the fleet mix and fuel economy requirements in the rule.

Moreover, the EIR states that “GHG emissions and transportation data were projected to 2045 using SCAG’s Regional Travel Demand Model and ARB’s EMFAC2014 emissions model. Estimates of energy and water use are based on current demand factors and emission rates associated with current power generation operations and water supply.” (FEIR at 3.8-60.) However, the EMFAC adjustment factors are approved by EPA for transportation conformity purposes (i.e., criteria pollutants), and therefore do not account for the increase in CO₂ emissions from either SAFE I or SAFE II.¹⁰ Additionally, estimates of emissions from energy use (as well as increases in emissions from refining) should be based on changes that may result as a consequence of *both* of the SAFE rules.

Because the EIR does not include SAFE II, and only partially incorporates SAFE I, the EIR fails to adequately analyze and mitigation air quality, public health, and climate impacts.¹¹

⁶ Safer, Affordable, Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (2020) at 8; Tables I-5, I-6, VII-116, VII-117, VII-118, VII-119; 1569, https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/final_safe_preamble_web_version_200330.pdf.

⁷ *Id.* at Tables VII-122 – 127,

⁸ *See e.g.*, FEIR at 3.8-74, Table 3.8-10, which uses EMFAC14 to estimate per capita CO₂ emissions from cars and light-duty trucks in its SB 375 analysis.

⁹ SCAG, Connect SoCal Transportation Conformity Analysis at 28. (*See also* ARB, Comments re: Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks — Transportation Conformity Implications (June 17, 2019), submitted to docket no NHTSA-2018-0067-12417, <https://www.regulations.gov/document?D=NHTSA-2018-0067-12417>. ARB notes that “[n]ecessary model updates and SIP revisions alone are complex, and may take years to complete,” raising questions about the accuracy of the adjustment factors here.)

¹⁰ *See* ARB, EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One November 20, 2019, https://ww3.arb.ca.gov/msei/emfac_off_model_adjustment_factors_final_draft.pdf.

¹¹ *See* California Association of Councils of Governments, Comments re: Significant concern regarding potential transportation impacts resulting from the Proposed NHTSA/U.S. EPA’s Safer Affordable Fuel Efficient (SAFE) Vehicles Rule for Model Years, 2021-2026 (June 14, 2019), submitted to docket no. EPA-HQ-OAR-2018-0283-7581, <https://www.regulations.gov/document?D=EPA-HQ-OAR-2018-0283-7581>. CACOG argues that the SAFE rule threatens nearly \$130 billion in transportation projects statewide, as well as MPOs’ ability to provide congestion relief, transportation system reliability, public health, housing, environmental sustainability, and equity.

SAFE II, in particular, provides important new information showing significant increases in the severity of CO₂ and potentially other impacts, such as air quality, conformity, and traffic flow (sticker prices, gas prices, and fuel economy affect driving habits). Failing to provide the public with this information deprives agencies and the public of the opportunity to meaningful review and comment on the EIR. As a result, it must be revised and recirculated to reflect this new regulatory regime. (CEQA Guidelines § 15088.5.)

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VII. The May 7th Hearing Should Be Postponed Due To the COVID-19 Crisis.

We also urge SCAG to postpone the May 7th hearing on the Plan and FEIR due to the COVID-19 crisis. Governor Newsom declared a state of emergency on March 4, 2020, and over the past seven weeks Californians have been grappling with truly unprecedented challenges. In order for members of the public to adequately participate in this critical planning process, more time is needed to review the Plan and offer comments for potential improvements to the Plan and FEIR. Notably, the California League of Cities sent a letter on March 22, 2020 seeking relief from various deadlines due to “this unprecedented public health crisis.” We are asking that SCAG to grant a similar extension to members of the public.

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In addition, the hearing should be postponed and the FEIR revised because the world is fundamentally different than it was when the FEIR was released earlier this year. Economic projections now predict a recession and a potential downturn in the housing market. SCAG should review the Plan and FEIR to evaluate whether these significant changes render the Plan or FEIR no longer accurate, and whether revisions to either document are necessary. In sum, the current draft of the Plan and FEIR reflects the pre-COVID-19 California, and the approved plan needs to account for these recent developments.

VIII. Conclusion

Given the possibility that the Center will be required to pursue appropriate legal remedies in order to ensure enforcement of CEQA and other laws, we would like to remind SCAG of its duty to maintain and preserve all documents and communications that may constitute part of the “administrative record.” As you may know, the administrative record encompasses any and all documents and communications which relate to any and all actions taken by SCAG with respect to the FEIR and Plan, and includes “pretty much everything that ever came near a proposed [project] or [] the agency’s compliance with CEQA” (*County of Orange v. Superior Court* (2003) 113 Cal.App.4th 1, 8.) The administrative record further contains all correspondence, emails, and text messages sent to or received by SCAG’s representatives or employees, which relate to the Plan, including any correspondence, emails, and text messages sent between the SCAG’s representatives or employees, including with EIR consultants. Maintenance and preservation of the administrative record requires that, *inter alia*, SCAG (1) suspend all data destruction policies; and (2) preserve all relevant hardware unless an exact replica of each file is made.

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Thank you for the opportunity to submit comments on the Plan and FEIR. The Center looks forward to working with SCAG to move the Plan forward in a way that truly minimizes impacts to special-status species like the mountain lion and regional wildlife connectivity while upholding air quality and GHG standards and goals. Please feel free to contact the Center with any questions at the number or email listed below.

Sincerely,



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Exhibit A



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Subject: Comments on the Connect SoCal Plan (SCH No. 0199011061)

Dear Mr. Rose,

We have reviewed the December 2019 Draft Program Environmental Impact Report (“DPEIR”) for the Connect SoCal Plan (“Project”) located in the Southern California Association of Governments (“SCAG”) region (“City”). The Project proposes to update SCAG’s 2016-2040 RTP/SCS through the adoption of Connect SoCal, a long-range visioning plan which forecasts how the transportation needs of the SCAG region will be met between 2020 and 2045.

Our review concludes that the DPEIR fails to adequately evaluate the Project’s air quality, health risk, and greenhouse gas impacts. As a result, emissions and health risk impacts associated with construction and operation of the proposed Project are underestimated and inadequately addressed. An updated CEQA analysis should be prepared to adequately assess and mitigate the potential air quality, health risk, and greenhouse gas impacts that the project may have on the surrounding environment.

Air Quality and Greenhouse Gas

Language Used in Project-Level Mitigation Measures Hinders Enforceability

Review of the DPEIR’s project-level mitigation measures, implemented as a result of potentially significant air quality and greenhouse gas (“GHG”) impacts, demonstrates that the DPEIR’s language hinders the enforceability of the proposed project-level mitigation measures. Specifically, regarding project-level air quality and GHG mitigation measures, the DPEIR states:

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

“In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards. Such measures may include the following or other comparable measures identified by the Lead Agency” (emphasis added) (p. 2.0-24, 2.0-41).

As you can see in the excerpt above, the DPEIR fails to require the implementation of any project-level mitigation measures, instead stating that “a Lead Agency for a Project can and should consider mitigation measures.” Thus, future projects are simply encouraged to consider, instead of required to implement, the project-level mitigation measures listed in the DPEIR. Furthermore, the DPEIR fails to require any of the specific mitigation measures listed, instead stating that measures “may include the following or other comparable measures,” which leaves the decision of which mitigation measures to implement or omit up to future Project applicants. As a result of the DPEIR’s unenforceable language, we cannot verify that any of the DPEIR’s proposed project-level measures would be implemented by future projects.

However, while the DPEIR claims that SCAG has a “lack of authority to impose project-level mitigation measures,” the DPEIR may require projects to implement mitigation *in order to be consistent with the Connect SoCal plan* (3.1-31). As such, the DPEIR should require future projects to implement the project-level mitigation measures proposed by the DPEIR in order to be consistent with the Connect SoCal plan. Until an updated CEQA evaluation for the Project is prepared to include project-level mitigation measures with enforceable language, the Project should not be approved.

Project-Level Mitigation Measures Lack Quantifiable Metrics to Ensure Enforcement

Review of the DPEIR’s project-level mitigation measures, implemented as a result of potentially significant air quality and GHG impacts, demonstrates that the measures fail to include quantifiable or project-specific metrics. As such, the proposed Project (Connect SoCal Plan) is not a qualified GHG reduction plan under CEQA.

CEQA Guidelines §§ 15064.4(b)(3) and 15183(b) allows a lead agency to consider a project’s consistency with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. When read together, CEQA Guidelines §§ 15064.4(b)(3) and 15183.5(b)(1) indicate that qualified GHG reduction plans should include:

- (1) **Inventory:** Quantify GHG emissions, both existing and projected over a specified time period, resulting from activities (e.g., projects) within a defined geographic area (e.g., lead agency jurisdiction);
- (2) **Establish GHG Reduction Goal:** Establish a level, based on substantial evidence, below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable;
- (3) **Analyze Project Types:** Identify and analyze the GHG emissions resulting from specific actions or categories of actions anticipated within the geographic area;

- (4) **Craft Performance Based Mitigation Measures:** Specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level;
- (5) **Monitoring:** Establish a mechanism to monitor progress toward achieving said level and to require amendment if the plan is not achieving specified levels;

Collectively, these features connect qualitative measures to quantitative results, which become binding via proper monitoring and enforcement by the Lead Agency—all resulting in real GHG reductions that demonstrate that the project’s impacts are not cumulatively considerable. Here, however, the DPEIR fails to provide or address inventory, GHG reduction goals, specific project types, performance based measures, or monitoring. Thus, the DPEIR fails to substantiate the Project as a qualified GHG reduction plan for specific projects within SCAG’s jurisdiction to use for streamlined CEQA analysis.

Failure to Implement All Feasible Mitigation to Reduce Emissions

The DPEIR determines that the Project’s air quality and GHG impacts would be significant and unavoidable, even with the incorporation of mitigation. Regarding the Project’s air quality impact, the DPEIR states:

“[B]ecause of the anticipated regional increase in certain criteria pollutant emissions and SCAG’s lack of authority to impose project-level mitigation measures, this PEIR finds impacts related to a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment could be significant and unavoidable even with implementation of mitigation” (p. 3.3-71).

Regarding the Project’s GHG impact, the DPEIR states:

“Assuming existing available emission factors, GHG emissions in the SCAG region are not on-track to achieve targets identified in AB 32, SB 32 and the Scoping Plan resulting in a significant and unavoidable impact” (p. 3.8-80).

However, while we agree that the Project will result in a significant air quality and GHG impact, the DPEIR’s assertion that these impacts are significant and unavoidable is unsubstantiated. According to CEQA Guidelines § 15096(g)(2),

“When an EIR has been prepared for a project, the Responsible Agency shall not approve the project as proposed if the agency finds any feasible alternative or feasible mitigation measures within its powers that would substantially lessen or avoid any significant effect the project would have on the environment” (emphasis added).

As you can see, an impact can only be labeled as significant and unavoidable after all available, *feasible* mitigation has been considered. However, as shown below, the DPEIR fails to consider and implement *all feasible* mitigation to reduce criteria pollutant and GHG emissions. Until all feasible mitigation is considered and incorporated into the Project’s design, the Project’s air quality and GHG impacts should not be considered significant and unavoidable.

Failure to Recommend the Implementation of the More Efficient Tier 4 Final Mitigation

In an attempt to reduce the significance of future, project-level air quality impacts, the DPEIR recommends that Projects consider using Tier 4 equipment for construction in close proximity to residences, hospitals, and schools. Specifically, the DPEIR states that the Lead Agency should:

“Require projects within 500 feet of residences, hospitals, or schools to use Tier 4 equipment for all engines above 50 horsepower (hp) unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance thresholds” (p. 2.0-25).

As you can see in the excerpt above, the DPEIR fails to specify whether Projects should use Tier 4 *Interim* or Tier 4 *Final* equipment. This is incorrect, as including Tier 4 Interim mitigation would not be the most conservative, as Tier 4 Final equipment has greater emission levels than Tier 4 Interim equipment. The United States Environmental Protection Agency (“U.S. EPA”) has slowly adopted more stringent standards to lower the emissions from off-road construction equipment since 1994. Since that time, Tier 1, Tier 2, Tier 3, Tier 4 Interim, and Tier 4 Final construction equipment has been phased in over time. Tier 4 Final represents the cleanest burning equipment and therefore has the lowest emissions compared to other tiers, including Tier 4 Interim equipment (see excerpt below):¹

Maximum horsepower	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015+	
25shp<50																						
50shp<75																						
75shp<100																						
100shp<175																						
175shp<300																						
300shp<600																						
600shps750																						
Mobile Machines > 750hp																						
750hp<GEN <1200hp																						
GEN>1200 hp																						

Source: derived from California Air Resources Board, http://www.arb.ca.gov/msprog/ordiesel/documents/Off-Road_Diesel_Std.xls.

a) When ARB and USEPA standards differ, the standards shown here represent the more stringent of the two.
 b) Standards given for all sizes of Tier 1 engines are hydrocarbons/oxides of nitrogen (NOx)/carbon monoxide (CO)/particulate matter (PM) in grams per brakehorsepower per hour (g/bhp-hr).
 c) Standards given for all sizes of Tier 2 and Tier 3 engines, and Tier 4 engines below 75 horsepower are non-methane hydrocarbons (NMHC)+NOx/CO/PM in g/bhp-hr.
 d) Standards given for Tier 4 engines above 75 horsepower are NMHC/NOx/CO/PM in g/bhp-hr.
 e) Engine families in this power category may alternately meet Tier 3 PM standards (0.30 g/bhp-hr) from 2008-2011 in exchange for introducing final PM standards in 2012.
 f) The implementation schedule shown is the three-year alternate NOx approach. Other schedules are available.
 g) Certain manufacturers have agreed to comply with these standards by 2005.



As demonstrated in the figure above, Tier 4 Interim has greater emission levels than Tier 4 Final equipment. Thus, in order to implement *all feasible* mitigation, the DPEIR should have recommended or required the implementation of Tier 4 *Final* equipment. Until an updated CEQA evaluation recommends

¹ “San Francisco Clean Construction Ordinance Implementation Guide for San Francisco Public Projects.” August 2015, available at: https://www.sfdph.org/dph/files/EHSdocs/AirQuality/San_Francisco_Clean_Construction_Ordinance_2015.pdf, p.

the implementation of Tier 4 Final mitigation, the Project has failed to implement all feasible mitigation and the Project’s air quality impact cannot be considered significant and unavoidable.

Feasible Mitigation Measures Available to Reduce Emissions – Northeast Diesel Collaborative (NEDC)

In an effort to reduce the Project’s emissions, we identified several mitigation measures that are applicable to the Project but not previously considered by the DPEIR.

The Northeast Diesel Collaborative (NEDC) is a regionally coordinated initiative to reduce diesel emissions, improve public health, and promote clean diesel technology, which proposes actions that can reduce construction-related emissions in the *Best Practices for Clean Diesel Construction* report. Mitigation for criteria pollutant and GHG emissions should include consideration of the following measures in an effort to reduce construction emissions to the maximum extent feasible.

NEDC’s Diesel Emission Controls in Construction Projects²	
Measures – Diesel Emission Control Technology	
<p>a. Diesel On road Vehicles All diesel nonroad vehicles on site for more than 10 total days must have either (1) engines that meet EPA onroad emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.</p>	<p>Here, the DPEIR fails to mention requiring diesel on road vehicles to meet EPA on road emissions standards or reduce PM emissions by 85%. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to diesel on road vehicles.</p>
<p>b. Diesel Generators All diesel generators on site for more than 10 total days must be equipped with emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.</p>	<p>Here, while the DPEIR states that Projects would “[u]tilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators,” the DPEIR fails to evaluate the feasibility of obtaining existing power sources or clean fuel generators (p. 2.0-24). However, evaluating the feasibility of this measure may be difficult at the plan-level. As a result, the DPEIR should include a mitigation measure requiring emission control technology to reduce PM emissions from diesel generators, in case the use of clean fuel generators or existing power sources is not feasible.</p>
<p>c. Diesel Nonroad Construction Equipment</p> <ul style="list-style-type: none"> i. All nonroad diesel engines on site must be Tier 2 or higher. Tier 0 and Tier 1 engines are not allowed on site ii. All diesel nonroad construction equipment on site for more than 10 total days must have either (1) engines meeting EPA Tier 4 nonroad emission standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM 	<p>Here, the DPEIR states that it will: “Require projects within 500 feet of residences, hospitals, or schools to use Tier 4 equipment for all engines above 50 horsepower (hp) unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance thresholds” (p. 2.0-95). However, the DPEIR fails to commit to a specific PM reduction percentage of 85%. Furthermore, as discussed above, the DPEIR fails to require the use of more efficient Tier 4 Final equipment mitigation. Finally, the DPEIR only commits to the</p>

² “Diesel Emission Controls in Construction Projects.” Northeast Diesel Collaborative (NEDC), December 2010, available at: <https://www.epa.gov/sites/production/files/2015-09/documents/nedc-model-contract-sepcification.pdf>.

<p>emissions by a minimum of 85% for engines 50hp and greater and by a minimum of 20% for engines less than 50hp.</p>	<p>use of Tier 4 equipment for projects within 500 feet of residences, hospitals, or schools. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to diesel non road construction equipment.</p>
<p>d. Upon confirming that the diesel vehicle, construction equipment, or generator has either an engine meeting Tier 4 non road emission standards or emission control technology, as specified above, installed and functioning, the developer will issue a compliance sticker. All diesel vehicles, construction equipment, and generators on site shall display the compliance sticker in a visible, external location as designated by the developer.</p>	<p>Here, while the DPEIR states that equipment should meet Tier 4 non road emissions standards, the DPEIR fails to require diesel vehicles, construction equipment, and generators to display the compliance sticker in a visible, external location (p. 2.0-95). As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to Tier 4 emissions standards.</p>
<p>e. Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer.</p>	<p>Here, while the DPEIR states that Projects would “[e]nsure that all construction equipment is properly tuned and maintained,” (p. 2.0-24) the DPEIR fails to discuss how construction equipment would be properly tuned and maintained. Thus, while the DPEIR generally commits to the maintenance of construction equipment, it fails to mention operating, maintaining, and servicing emission control technology as recommended by the emission control technology manufacturer. As a result, we cannot verify that the Project has implemented all feasible mitigation.</p>
<p>f. All diesel vehicles, construction equipment, and generators on site shall be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend³ approved by the original engine manufacturer with sulfur content of 15 ppm or less.</p>	<p>Here, the DPEIR fails to mention or require that all diesel vehicles, construction equipment, and generators be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend. As a result, we cannot verify that the Project has implemented all feasible mitigation.</p>
<p>Measures – Additional Diesel Requirements</p>	
<p>a. Construction shall not proceed until the contractor submits a certified list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following:</p> <ul style="list-style-type: none"> i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment. ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), 	<p>Here, the DPEIR states that it will “[r]equire contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet” (2.0-24). However, the comprehensive inventory list proposed by the DPEIR fails to include the contractor and subcontractor information, engine certification, expected fuel usage and hours of operation, as well as information about the control</p>

³ Biodiesel blends are only to be used in conjunction with the technologies which have been verified for use with biodiesel blends and are subject to the following requirements:
<http://www.arb.ca.gov/diesel/verdev/reg/biodieselcompliance.pdf>.

<p>horsepower, engine serial number, and expected fuel usage and hours of operation.</p> <p>iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date.</p>	<p>technology installed. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to a construction equipment list.</p>
<p>b. If the contractor subsequently needs to bring on site equipment not on the list, the contractor shall submit written notification within 24 hours that attests the equipment complies with all contract conditions and provide information.</p>	<p>Here, the DPEIR fails to mention requiring written notification within 24 hours of needing to bring onsite equipment not on the equipment list. As a result, we cannot verify that the Project has implemented all feasible mitigation.</p>
<p>c. The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.</p>	<p>Here, the DPEIR states that the Project would implement “Best Management Practices (BMPs) during construction such as locating construction staging areas in less visible locations (given other environmental considerations such as avoiding sensitive habitat, etc.)” and “fencing and/or screening staging areas” (p. 3.1-28). However, the DPEIR fails to define “less visible locations,” and only mentions avoiding sensitive habitats. Thus, we cannot verify that generator sites and truck-staging zones would be located where they will have the least impact on the public and sensitive receptors, including hospitals, schools, daycare facilities, elderly housing, and convalescent facilities. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to the impact of generator sites and truck-staging zones.</p>
<p>Reporting</p>	
<p>a. For each onroad diesel vehicle, nonroad construction equipment, or generator, the contractor shall submit to the developer’s representative a report prior to bringing said equipment on site that includes:</p> <ul style="list-style-type: none"> i. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, and engine serial number. ii. The type of emission control technology installed, serial number, make, model, manufacturer, and EPA/CARB verification number/level. iii. The Certification Statement signed and printed on the contractor’s letterhead. 	<p>Here, the DPEIR states that it will “[r]equire contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet” (2.0-24). However, the comprehensive inventory list proposed by the DPEIR fails to include the engine certification and information about the control technology installed, as well as the Certification Statement signed and printed on the contractor’s letterhead. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to reporting.</p>
<p>b. The contractor shall submit to the developer’s representative a monthly report that, for each</p>	<p>Here, the DPEIR fails to require submitting a monthly report to the developer’s representative that includes information about</p>

<p>on road diesel vehicle, nonroad construction equipment, or generator onsite, includes:</p> <ul style="list-style-type: none"> i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date. ii. Any problems with the equipment or emission controls. iii. Certified copies of fuel deliveries for the time period that identify: <ul style="list-style-type: none"> 1. Source of supply 2. Quantity of fuel 3. Quality of fuel, including sulfur content (percent by weight) 	<p>on road diesel vehicle, non-road construction equipment, and onsite generator use. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect reporting.</p>
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Feasible Mitigation Measures Available to Reduce Emissions – California Air Pollution Control Officers Association (CAPCOA)

In an effort to reduce the Project’s emissions, we identified several mitigation measures that are applicable to the Project but not previously considered by the DPEIR.

Additional feasible mitigation measures can be found in CAPCOA’s *Quantifying Greenhouse Gas Mitigation Measures*, which attempt to reduce emissions.⁴ Mitigation for criteria pollutant and GHG emissions should include consideration of the following measures in an effort to reduce construction emissions to the maximum extent feasible.

CAPCOA’s Quantifying Greenhouse Gas Mitigation Measures⁵	
Measures – Energy	
Building Energy Use	
<p>BE-1 Exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code) by X%</p> <p><i>Range of Effectiveness:</i> See document for specific improvement desired.</p>	<p>Here, while PMM-GHG-1(a) states that projects <i>may include</i> “green building measures consistent with CALGreen (California Building Code Title 24),” the DPEIR fails to evaluate the Project’s potential to <i>exceed</i> Title 24 standards. Without requiring projects to exceed Title 24 standards while concluding significant and unavoidable impacts, the DPEIR fails to conduct the most conservative analysis or require all feasible mitigation.</p>
<p>BE-2 Install Programmable Thermostat Timers</p> <p><i>Range of Effectiveness:</i> Best Management Practice – Influences building energy use for heating and cooling.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects install programmable thermostat timers. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>

⁴ <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>

⁵ “Quantifying Greenhouse Gas Mitigation Measures.” California Air Pollution Control Officers Association (CAPCOA), August 2010, available at: <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>, p.

<p>BE-3 Obtain Third-party HVAC Commissioning and Verification of Energy Savings (to be grouped with BE-1)</p> <p><i>Range of Effectiveness:</i> Not applicable on its own. This measure enhances the effectiveness of BE-1.</p>	<p>Here, while PMM-GHG-1(a)(ii) states that projects <u>may include</u> “energy-efficient lighting, heating, and cooling systems (cogeneration); water heaters; appliances; equipment; and control systems,” the DPEIR fails to mention or address the potential to require third-party HVAC commissioning and verification. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>BE-4 Install Energy Efficient Appliances</p> <ul style="list-style-type: none"> • Typical reductions for energy-efficient appliances can be found in the <i>Energy Star and Other Climate Protection Partnerships Annual Reports</i>. <p><i>Range of Effectiveness:</i> Residential 2-4% GHG emissions from electricity use. Grocery Stores: 17-22% of GHG emissions from electricity use. See document for other land use types.</p>	<p>Here, PMM-GHG-1(a)(ii) states that projects <u>may include</u> “energy-efficient lighting, heating, and cooling systems (cogeneration); water heaters; appliances; equipment; and control systems.” However, the DPEIR fails to elaborate or discuss recommendations for implementing energy-efficient appliances, such as Energy Star, or anticipated energy reductions as a result of implementing this measure. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>BE-5 Install Energy Efficient Boilers</p> <p><i>Range of Effectiveness:</i> 1.2-18.4% of boiler GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects install energy efficient boilers. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Lighting</p>	
<p>LE-1 Install Higher Efficacy Public Street and Area Lighting</p> <p><i>Range of Effectiveness:</i> 16-40% of outdoor lighting.</p>	<p>Here, PMM-GHG-1(a) (ii) and (v) state that projects <u>may include</u> “energy-efficient lighting” and “high-efficiency lighting,” respectively. However, the DPEIR fails to elaborate on this or discuss which lights this measure applies to. As such, we cannot verify that this measure will apply to public streets and areas, or that it will actually be implemented on project sites. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>LE-2 Limit Outdoor Lighting Requirements</p> <p><i>Range of Effectiveness:</i> Best Management Practice, but may be quantified.</p>	<p>Here, PMM-GHG-1(d)(iii) states that projects <u>may include</u> “lighting systems that are energy efficient, such as LED technology.” In addition, the DPEIR states that Lead Agencies <u>may</u> “[r]estrict the operation of outdoor lighting for construction and operation activities to the hours of 7:00 a.m. to 10:00 p.m.” (p. 3.1-40). However, the DPEIR fails to <u>limit</u> the outdoor lighting requirements. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>LE-3 Replace Traffic Lights with LED Traffic Lights</p> <p><i>Range of Effectiveness:</i> 90% of emissions associated with existing traffic lights.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects replace traffic lights with LED traffic lights. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Alternative Energy Generation</p>	
<p>AE-1 Establish Onsite Renewable or Carbon-Neutral Energy Systems – Generic</p> <p><i>Range of Effectiveness:</i> 0-100% of GHG emissions associated with electricity use.</p>	<p>Here, while PMM-GHG-1(d)(vii) states that the Project <u>may include</u> “design measures to reduce energy consumption and increase use of renewable energy,” the DPEIR fails to mention or recommend establishing onsite renewable or carbon-neutral energy systems.</p>

	As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
AE-2 Establish Onsite Renewable Energy System – Solar Power <i>Range of Effectiveness:</i> 0-100% of GHG emissions associated with electricity use.	Here, the DPEIR states that the “2019 Building Energy Efficiency Standards go into effect on January 1, 2020 and will require most new residences to install solar panels” (p. 3.6-4). In addition, PMM-GHG-1(a)(vi) states that projects <i>may include</i> “passive solar design” and PMM-GHG-1(d)(vi) states that projects <i>may</i> increase the use of renewable energy. However, the DPEIR fails to include solar energy generation in its mitigation measures. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
AE-3 Establish Onsite Renewable Energy System – Wind Power <i>Range of Effectiveness:</i> 0-100% of GHG emissions associated with electricity use.	Here, while PMM-GHG-1(d)(vii) states that the Project <i>may include</i> “design measures to reduce energy consumption and increase use of renewable energy,” the DPEIR fails to mention or recommend establishing onsite renewable or wind power energy systems. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
AE-4 Utilize a Combined Heat and Power System <i>Range of Effectiveness:</i> 0-46% of GHG emissions associated with electricity use.	Here, the DPEIR fails to mention or recommend that applicable projects utilize a combined heat and power system. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
AE-5 Establish Methane Recovery in Landfills <i>Range of Effectiveness:</i> 73-77% reduction in GHG emissions from landfills without methane recovery.	Here, the DPEIR fails to mention or recommend that applicable projects establish methane recovery in landfills. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
AE-6 Establish Methane Recovery in Wastewater Treatment Plants <i>Range of Effectiveness:</i> 95-97% reduction in GHG emissions from wastewater treatment plants without recovery.	Here, the DPEIR fails to mention or recommend that applicable projects establish methane recovery in wastewater treatment plants. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
Measures – Transportation	
Land Use/Location	
LUT-1 Increase Density <i>Range of Effectiveness:</i> 0.8-30% vehicle miles traveled (VMT) reduction and therefore a 0.8-30% reduction in GHG emissions.	Here, the DPEIR fails to mention or recommend that applicable projects implement measures to increase diversity on project sites. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
LUT-2 Increase Location Efficiency <i>Range of Effectiveness:</i> 10% vehicle miles traveled (VMT) reduction and therefore 10-65% reduction in GHG emissions.	Here, the DPEIR fails to mention or recommend that applicable projects increase location efficiency for projects beyond PMM-GHG-1(e)(iv), which states that projects <i>may include</i> the measure “Increase access to common goods and services, such as groceries, schools, and day care.” As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
LUT-4 Increase Destination Accessibility	Here, while PMM-GHG-1(a)(xi) states that projects <i>may</i> “[p]rovide bike lanes accessibility,” the DPEIR fails to mention or address

<p><i>Range of Effectiveness:</i> 6.7-20% vehicle miles traveled (VMT) reduction and therefore 6.7-20% reduction in GHG emissions.</p>	<p><i>increasing</i> destination accessibility for projects. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>LUT-7 Orient Project Toward Non-Auto Corridor <i>Range of Effectiveness:</i> Grouped strategy (see LUT-3).</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects orient themselves toward non-auto corridor. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>LUT-8 Locate Project near Bike Path/Bike Lane <i>Range of Effectiveness:</i> Grouped strategy (see LUT-4).</p>	<p>Here, while PMM-GHG-1(a)(xi) states that projects <i>may</i> “[p]rovide bike lanes,” the DPEIR fails to recommend that applicable projects locate themselves near bike paths or bike lanes. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Neighborhood/Site Enhancements</p>	
<p>SDT-1 Provide Pedestrian Network Improvements, such as:</p> <ul style="list-style-type: none"> • Interconnected street network • Narrower roadways and shorter block lengths • Sidewalks • Accessibility to transit and transit shelters • Traffic calming measures • Parks and public spaces • Minimize pedestrian barriers <p><i>Range of Effectiveness:</i> 0-2% vehicle miles traveled (VMT) reduction and therefore 0-2% reduction in GHG emissions.</p>	<p>Here, while PMM-GHG-1(e)(viii) states that projects <i>may include</i> the measure “improve pedestrian or bicycle networks, or transit service,” the DPEIR fails to discuss or mention an interconnected street network. In addition, the DPEIR fails to mention the potential for projects to incorporate narrower roadways and shorter block lengths or sidewalks. Furthermore, while the DPEIR repeatedly mentions traffic calming measures, the document never actually details what these measures are or how they can be implemented. Finally, while the DPEIR lists “accessible parks, beaches, recreational waters, public lands, and public spaces” as Goal 6 in the Los Angeles Countywide Sustainability Plan, the DPEIR fails to include these in its mitigation measures. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>SDT-2 Provide Traffic Calming Measures, such as:</p> <ul style="list-style-type: none"> • Marked crosswalks • Count-down signal timers • Curb extensions • Speed tables • Raised crosswalks • Raised intersections • Median islands • Tight corner radii • Roundabouts or mini-circles • On-street parking • Chicanes/chokers <p><i>Range of Effectiveness:</i> 0.25-1% vehicle miles traveled (VMT) reduction and therefore 0.25-1% reduction in GHG emissions.</p>	<p>Here, while the DPEIR repeatedly mentions traffic calming measures, the document never actually details what these measures are or how they can be implemented. Some measures are included in the DPEIR’s FTIP Project list, but not in the document’s mitigation measures. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>SDT-4 Create Urban Non-Motorized Zones <i>Range of Effectiveness:</i> Grouped strategy (see SDT-1).</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects create urban non-motorized zones. As such, the DPEIR</p>

	concludes significant and unavoidable impacts while failing to require all feasible mitigation.
SDT-5 Incorporate Bike Lane Street Design (on-site) <i>Range of Effectiveness:</i> Grouped strategy (see LUT-9).	Here, while PMM-GHG-1(a)(xi) states that projects <i>may include</i> the measure “Provide bike lanes accessibility and parking at residential developments,” the DPEIR fails to discuss bike lane <i>street design</i> . As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
SDT-6 Provide Bike Parking in Non-Residential Projects <i>Range of Effectiveness:</i> Grouped strategy (see LUT-9).	Here, PMM-GHG-1(a)(xi) states that projects <i>may include</i> the measure “Provide bike lanes accessibility and parking at residential developments.” In addition, PMM-GHG-1(h)(v) states that projects <i>may include</i> “secure bike parking” “at places of work.” However, this measure is specifically targeted at <i>non-residential</i> developments. As such, these mitigation measures should be all-encompassing, rather than specifically for residential projects. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
SDT-7 Provide Bike Parking with Multi-Unit Residential Projects <i>Range of Effectiveness:</i> Grouped strategy (see SDT-3).	Here, PMM-GHG-1(a)(xi) states that projects <i>may include</i> the measure “Provide bike lanes accessibility and parking at residential developments.” However, this measure is specifically targeted at multi-unit residential developments. As such, the DPEIR fails to specifically address “multi-unit residential projects.” Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
SDT-8 Provide Electric Vehicle Parking <i>Range of Effectiveness:</i> Grouped strategy (see SDT-3).	Here, while PMM-GHG-1(a)(ix) states that projects <i>may include</i> the measure “Install electric vehicle charging stations,” the DPEIR fails to address electric vehicle <i>parking</i> . As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
SDT-9 Dedicate Land for Bike Trails <i>Range of Effectiveness:</i> Grouped strategy (see LUT-9).	Here, the DPEIR fails to mention or recommend that applicable projects dedicate land for bike trails. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
Parking Policy/Pricing	
PDT-1 Limit Parking Supply through: <ul style="list-style-type: none"> • Elimination (or reduction) of minimum parking requirements • Creation of maximum parking requirements • Provision of shared parking <i>Range of Effectiveness:</i> 5-12.5% vehicle miles traveled (VMT) reduction and therefore 5-12.5% reduction in GHG emissions.	Here, while PMM-GHG-1(e) discusses states that projects <i>may include</i> the measure “Limit or eliminate park supply,” the DPEIR fails to elaborate on methods of doing so, such as eliminating or reducing minimum parking requirements, creation or maximum parking requirements, or a provision of shared parking. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
PDT-2 Unbundle Parking Costs from Property Cost	Here, PMM-GHG-1(e)(xii) states that projects <i>may include</i> the measure “Unbundle parking costs.” However, without any explanation of this measure in the DPEIR, we cannot verify that it

<p><i>Range of Effectiveness:</i> 2.6-13% vehicle miles traveled (VMT) reduction and therefore 2.6-13% reduction in GHG emissions.</p>	<p>refers to property cost or what actions it entails for projects. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>PDT-3 Implement Market Price Public Parking (On-Street)</p> <p><i>Range of Effectiveness:</i> 2.8-5.5% vehicle miles traveled (VMT) reduction and therefore 2.8-5.5% reduction in GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement market price public parking (on-street or otherwise). As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>PDT-4 Require Residential Area Parking Permits</p> <p><i>Range of Effectiveness:</i> Grouped strategy (see PPT-1, PPT-2, and PPT-3).</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects require (or include) residential area parking permits. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Commute Trip Reduction Programs</p>	
<p>TRT-2 Implement Commute Trip Reduction (CTR) Program – Required Implementation/Monitoring</p> <ul style="list-style-type: none"> • Established performance standards (e.g. trip reduction requirements) • Required implementation • Regular monitoring and reporting <p><i>Range of Effectiveness:</i> 4.2-21% commute vehicle miles traveled (VMT) reduction and therefore 4.2-21% reduction in commute trip GHG emissions.</p>	<p>Here, PMM-GHG-1(e)(xiv) states that projects <i>may include</i> the measure “Implement or provide access to commute reduction program.” However, the DPEIR fails to establish or mention performance standards or trip reduction requirements, required implementation, or regular monitoring and reporting. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-3 Provide Ride-Sharing Programs</p> <ul style="list-style-type: none"> • Designate a certain percentage of parking spaces for ride sharing vehicles • Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles • Providing a web site or messaging board for coordinating rides • Permanent transportation management association membership and funding requirement. <p><i>Range of Effectiveness:</i> 1-15% commute vehicle miles traveled (VMT) reduction and therefore 1-15% reduction in commute trip GHG emissions.</p>	<p>Here, PMM-GHG-1(h)(i) states that projects <i>may include</i> the measure “Provide car-sharing, bike sharing, and ride-sharing programs.” In addition, PMM-GHG-1(i) states that projects <i>may include</i> the measure “Designate a percentage of parking spaces for ride-sharing vehicles or high-occupancy vehicles, and providing adequate passenger loading and unloading for those vehicles.” However, the DPEIR fails to indicate what percentage of parking spaces should be designated for ride-share vehicles, how to define “adequate” loading and unloading areas, or mention permanent transportation management association membership and funding requirement. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-4 Implement Subsidized or Discounted Transit Program</p> <p><i>Range of Effectiveness:</i> 0.3-20% commute vehicle miles traveled (VMT) reduction and therefore a 0.3-20% reduction in commute trip GHG emissions.</p>	<p>Here, while PMM-GHG-1(h)(iv) states that projects <i>may include</i> “subsidies that increase that use of modes other than single-occupancy vehicle,” the DPEIR fails to elaborate on what these subsidies may entail. In addition, the DPEIR fails to mention or address a discounted transit program. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-6 Encourage Telecommuting and Alternative Work Schedules, such as:</p> <ul style="list-style-type: none"> • Staggered starting times 	<p>Here, while PMM-GHG-1(h) states that projects <i>may include</i> “telecommuting programs,” the DPEIR fails to mention or address alternative work schedules, staggered starting times, flexible</p>

<ul style="list-style-type: none"> • Flexible schedules • Compressed work weeks <p><i>Range of Effectiveness:</i> 0.07-5.5% commute vehicle miles traveled (VMT) reduction and therefore 0.07-5.5% reduction in commute trip GHG emissions.</p>	<p>schedules, or compressed work weeks. As a result, we cannot verify that the DPEIR’s vague “telecommuting programs” will actually include or consider these measures. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-7 Implement Commute Trip Reduction Marketing, such as:</p> <ul style="list-style-type: none"> • New employee orientation of trip reduction and alternative mode options • Event promotions • Publications <p><i>Range of Effectiveness:</i> 0.8-4% commute vehicle miles traveled (VMT) reduction and therefore 0.8-4% reduction in commute trip GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement Commute Trip Reduction marketing, including new employee orientation, event promotions, or publications. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-8 Implement Preferential Parking Permit Program</p> <p><i>Range of Effectiveness:</i> Grouped strategy (see TRT-1 through TRT-3).</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement a Preferential Parking Permit Program. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-10 Implement School Pool Program</p> <p><i>Range of Effectiveness:</i> 7.2-15.8% in school vehicle miles traveled (VMT) reduction and therefore 7.2-15.8% reduction in school trip GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement a school pool program. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-13 Implement School Bus Program</p> <p><i>Range of Effectiveness:</i> 38-63% School VMT reduction and therefore 38-63% reduction in school trip GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement a school bus program. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TRT-14 Price Workplace Parking, such as:</p> <ul style="list-style-type: none"> • Explicitly charging for parking for its employees; • Implementing above market rate pricing; • Validating parking only for invited guests; • Not providing employee parking and transportation allowances; and • Educating employees about available alternatives. <p><i>Range of Effectiveness:</i> 0.1-19.7% commute vehicle miles traveled (VMT) reduction and therefore 0.1-19.7% reduction in commute trip GHG emissions.</p>	<p>Here, the DPEIR fails to include or mention the measure “Price Workplace Parking,” including, explicitly charging employees for parking, implementing above market rate pricing, validating parking only for invited guests, not providing employee parking or transportation allowances, and educating employees about available alternatives. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Transit System Improvements</p>	
<p>TST-1 Transit System Improvements, including:</p> <ul style="list-style-type: none"> • Grade-separated right-of-way, including bus only lanes (for buses, emergency vehicles, and sometimes taxis), and other Transit Priority measures. Some systems use guideways which automatically steer the bus on portions of the route. • Frequent, high-capacity service 	<p>Here, PMM-GHG-1(e)(i) states that projects <i>may include</i> the measure “Promote transit-active transportation coordinated strategies.” In addition, PMM-GHG-1(e)(iii) states that projects <i>may include</i> the measure “Improve or increase access to transit.” However, the DPEIR fails to address or evaluate grade-separated right-of-way, bus only lanes, more frequent service, increasing the quality of vehicles, pre-paid fare systems, convenient user information, marketing programs, model integration, and other</p>

<ul style="list-style-type: none"> • High-quality vehicles that are easy to board, quiet, clean, and comfortable to ride. • Pre-paid fare collection to minimize boarding delays. • Integrated fare systems, allowing free or discounted transfers between routes and modes. • Convenient user information and marketing programs. • High quality bus stations with Transit Oriented Development in nearby areas. • Modal integration, with BRT service coordinated with walking and cycling facilities, taxi services, intercity bus, rail transit, and other transportation services. <p><i>Range of Effectiveness:</i> 0.02-3.2% vehicle miles traveled (VMT) reduction and therefore 0.02-3% reduction in GHG emissions.</p>	<p>Transit Priority Measures. The DPEIR also fails to elaborate upon possible “transit-active transportation coordinated strategies.” As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TST-2 Implement Transit Access Improvements, such as:</p> <ul style="list-style-type: none"> • Sidewalk/crosswalk safety enhancements • Bus shelter improvements <p><i>Range of Effectiveness:</i> Grouped strategy (see TST-3 and TST-4)</p>	<p>Here, while PMM-GHG-1(g) states that projects <i>may include</i> the measure “Improving transit access to rail and bus routes by incentives for construction and transit facilities within developments, and/or providing dedicated shuttle service to transit stations,” the DPEIR fails to address sidewalk/crosswalk safety enhancements. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TST-4 Increase Transit Service Frequency/Speed</p> <p><i>Range of Effectiveness:</i> 0.02-2.5% vehicle miles traveled (VMT) reduction and therefore 0.02-2.5% reduction in GHG emissions.</p>	<p>Here, while the DPEIR discusses transit, the DPEIR fails to address the speed and frequency of transit service. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>TST-5 Provide Bike Parking Near Transit</p> <p><i>Range of Effectiveness:</i> Grouped strategy (see TST-3 and TST-4).</p>	<p>Here, while PMM-GHG-1(e)(x) states that projects <i>may include</i> the measure “Provide bicycle parking,” the DPEIR fails to indicate that this parking should be located near transit. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Road Pricing/Management</p>	
<p>RPT-1 Implement Area or Cordon Pricing</p> <p><i>Range of Effectiveness:</i> 7.9-22% vehicle miles traveled (VMT) reduction and therefore 7.9-22% reduction in GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement area or cordon pricing. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>RTP-3 Required Project Contributions to Transportation Infrastructure Improvement Projects</p> <p><i>Range of Effectiveness:</i> Grouped strategy (see RPT-2 and TST-1 through 7).</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement project contributions to transportation infrastructure improvement projects. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>

<p>RTP-4 Install Park-and-Ride Lots</p> <p><i>Range of Effectiveness:</i> Grouped strategy (see RPT-1, TRT-11, TRT-3, and TST-1 through 6).</p>	<p>Here, while the DPEIR vaguely references park-and-ride lots and the FTIP Projects table includes park-and-ride lots, the DPEIR fails to include “Install Park-and-Ride Lots” as a mitigation measure. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Vehicles</p>	
<p>VT-1 Electrify Loading Docs and/or Require Idling-Reduction Systems</p> <p><i>Range of Effectiveness:</i> 26-71% reduction in TRU idling GHG emissions.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects electrify loading docs and/or require idling reduction systems. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>VT-2 Utilize Alternative Fueled Vehicles, such as:</p> <ul style="list-style-type: none"> • Biodiesel (B20) • Liquefied Natural Gas (LNG) • Compressed Natural Gas (CNG) <p><i>Range of Effectiveness:</i> Reduction in GHG emissions varies depending on vehicle type, year, and associated fuel economy.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects utilize alternative fueled vehicles, such as Biodiesel, liquefied natural gas, and/or compressed natural gas. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>VT-3 Utilize Electric or Hybrid Vehicles</p> <p><i>Range of Effectiveness:</i> 0.4-20.3% reduction in GHG emissions.</p>	<p>Here, while PMM-GHG-1(a)(ix) states that projects <i>may include</i> the measure “Install electric vehicle charging stations,” the DPEIR fails to discuss or mention hybrid vehicles whatsoever. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Measures – Water</p>	
<p>Water Supply</p>	
<p>WSW-1 Use Reclaimed Water</p> <p><i>Range of Effectiveness:</i> Up to 40% in Northern California and up to 81% in Southern California.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may include</i> the measure “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address using reclaimed water. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WSW-2 Use Gray Water</p> <p><i>Range of Effectiveness:</i> Up to 100% of outdoor water GHG emissions if outdoor water use is replaced completely with graywater.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address using gray water. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WSW-3 Use Locally Sourced Water Supply</p> <p><i>Range of Effectiveness:</i> 0-60% for Northern and Central California, 11-75% for Southern California.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address using locally sourced water supply. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>Water Use</p>	

<p>WUW-1 Install Low-Flow Water Fixtures</p> <p><i>Range of Effectiveness:</i> 20% of GHG emissions associated with indoor Residential water use; 17-31% of GHG emissions associated with Non-Residential indoor water use.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address low-flow water fixtures. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WUW-2 Adopt a Water Conservation strategy</p> <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. It is equal to the Percent Reduction in water commitment.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address adopting a water conservation strategy. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WUW-3 Design Water-Efficient Landscapes (see California Department of Water Resources Model Water Efficient Landscape Ordinance), such as:</p> <ul style="list-style-type: none"> • Reducing lawn sizes; • Planting vegetation with minimal water needs, such as native species; • Choosing vegetation appropriate for the climate of the project site; • Choosing complimentary plants with similar water needs or which can provide each other with shade and/or water. <p><i>Range of Effectiveness:</i> 0-70% reduction in GHG emissions from outdoor water use.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address water efficient landscapes, the California Department of Water Resources Model Water Efficient Landscape Ordinance, reducing lawn sizes, planting native or drought-tolerant species, climate-based plant selection, or choosing complementary plants with similar water needs or that can provide each other with shade/water. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WUW-4 Use Water-Efficient Landscape Irrigation Systems (“Smart” irrigation control systems)</p> <p><i>Range of Effectiveness:</i> 6.1% reduction in GHG emissions from outdoor water.</p>	<p>Here, while PMM-GHG-1(d)(viii) states that projects <i>may</i> “Incorporate design measures to reduce water consumption,” the DPEIR fails to mention or elaborate on this measure whatsoever. As such, the DPEIR fails to mention or address landscape-related water consumption or “smart” irrigation control systems. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WUW-5 Reduce Turf in Landscapes and Lawns</p> <p><i>Range of Effectiveness:</i> Varies and is equal to the percent commitment to turf reduction, assuming no other outdoor water use.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects reduce turf in landscapes and lawns. Specifically, the DPEIR fails to address turf at all. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>WUW-6 Plant Native or Drought-Resistant Trees and Vegetation</p> <p><i>Range of Effectiveness:</i> Best Management Practice; may be quantified if substantial evidence is available.</p>	<p>Here, while PMM-GHG-1(j)(iii) states that projects <i>may include</i> the measure “Retaining on-site mature trees and vegetation, and planting new canopy trees,” the DPEIR fails to mention or evaluate native or drought-resistant trees. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>

Measures – Area Landscaping	
Landscaping Equipment	
<p>A-2 Implement Lawnmower Exchange Program</p> <p><i>Range of Effectiveness:</i> Best Management Practice, influences Area GHG emissions from landscape equipment.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects implement a lawnmower exchange program. Specifically, the DPEIR fails to address lawnmowers at all. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>A-3 Electric Yard Equipment Compatibility</p> <p><i>Range of Effectiveness:</i> Best Management Practice, influences Area GHG emissions from landscape equipment. Not applicable on its own. This measure enhances effectiveness of A-1 and A-2.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects ensure electric yard equipment compatibility. Specifically, the DPEIR fails to address electric yard equipment at all. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
Measures – Solid Waste	
Solid Waste	
<p>SW-1 Institute Recycling and Composting Services</p> <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. Best Management Practice.</p>	<p>Here, PMM-GHG-1(j)(v) states that projects <i>may include</i> “Measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse.” However, the DPEIR fails to mention composting services whatsoever. As such, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
Measures – Vegetation	
Vegetation	
<p>V-2 Create New Vegetated Open Space</p> <p><i>Range of Effectiveness:</i> Varies based on amount and type of land vegetated.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects create new vegetated open space. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
Measures – Construction	
Construction	
<p>C-1 Use Alternative Fuels for Construction Equipment</p> <p><i>Range of Effectiveness:</i> 0-22% reduction in GHG emissions.</p>	<p>Here, PMM-AQ-1(n) states that projects would “[u]tilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators” (p. 2.0-24). However, the DPEIR fails to mention or address the use of alternative fuels for any other piece of construction equipment. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>C-2 Use Electric and Hybrid Construction Equipment</p> <p><i>Range of Effectiveness:</i> 2.5-80% of GHG emissions from equipment that is electric or hybrid if used 100% of the time.</p>	<p>Here, the DPEIR fails to mention or recommend using electric and hybrid construction equipment. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>C-3 Limit Construction Equipment Idling Beyond Regulation Requirements</p> <p><i>Range of Effectiveness:</i> Varies with the amount of Project Idling occurring and the amount reduced.</p>	<p>Here, while PMM-AQ-1(l) states that projects <i>may include</i> “[m]inimize idling time to 5 minutes,” the DPEIR fails to justify the choice of 5 minutes. As such, the DPEIR fails to evaluate the feasibility of reducing idling time to <i>less than</i> 5 minutes or beyond</p>

	regulation requirements. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
<p>C-4 Institute a Heavy-Duty Off-Road Vehicle Plan, including:</p> <ul style="list-style-type: none"> • Construction vehicle inventory tracking system; • Requiring hour meters on equipment; • Document the serial number, horsepower, manufacture age, fuel, etc. of all onsite equipment; and • Daily logging of the operating hours of the equipment. <p><i>Range of Effectiveness:</i> Not applicable on its own. This measure ensures compliance with other mitigation measures.</p>	Here, PMM-AQ-1(j) states that the projects should: “[r]equire contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet” (2.0-24). However, the comprehensive inventory list proposed by the DPEIR fails to include daily logging of the operating hours of the equipment. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to a construction equipment list.
Measures – Miscellaneous	
Miscellaneous	
<p>Misc-1 Establish a Carbon Sequestration Project, such as:</p> <ul style="list-style-type: none"> • Geologic sequestration or carbon capture and storage techniques, in which CO₂ from point sources is captured and injected underground; • Terrestrial sequestration in which ecosystems are established or preserved to serve as CO₂ sinks; • Novel techniques involving advanced chemical or biological pathways; or • Technologies yet to be discovered. <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and projects selected. The GHG emissions reduction is subtracted from the overall baseline project emissions inventory.</p>	Here, while PMM-GHG-1(c) states that projects <i>may</i> “include off-site measures to mitigate a project’s emissions,” the DPEIR fails to elaborate or mention carbon sequestration projects. Specifically, the DPEIR fails to address carbon sequestration whatsoever. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
<p>Misc-3 Use Local and Sustainable Building Materials</p> <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. Best Management Practice.</p>	Here, PMM-GHG-1(a)(i) states that projects <i>may include</i> the measure “Use energy efficient materials in building design, construction, rehabilitation, and retrofit.” However, the DPEIR fails to elaborate upon “energy efficient materials.” Furthermore, the DPEIR fails to mention using local materials at all. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
<p>Misc-4 Require Best Management Practices in Agriculture and Animal Operations</p>	Here, the DPEIR fails to mention agriculture or animal operations whatsoever. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.
<p>Misc-5 Require Environmentally Responsible Purchasing, such as:</p>	Here, the DPEIR fails to mention or address environmentally responsible purchasing. Specifically, the DPEIR fails to discuss sustainable packaging, post-consumer recycled copier paper,

<ul style="list-style-type: none"> • Purchasing products with sustainable packaging; • Purchasing post-consumer recycled copier paper, paper towels, and stationary; • Purchasing and stocking communal kitchens with reusable dishes and utensils; • Choosing sustainable cleaning supplies; • Leasing equipment from manufacturers who will recycle the components at their end of life; • Choosing ENERGY STAR appliances and Water Sense-certified water fixtures; • Choosing electronic appliances with built in sleep-mode timers; • Purchasing ‘green power’ (e.g. electricity generated from renewable or hydropower) from the utility; and • Choosing locally-made and distributed products. <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. Best Management Practice.</p>	<p>reusable dishes and utensils, sustainable cleaning supplies, equipment that will be recycled at the end of its life, ENERGY STAR appliances, Water Sense fixtures, appliances with sleep-mode timers, “green power” from the utility, or locally-made and distributed products. While PMM-GHG-1(d)(vii) states that projects <i>may include</i> increasing the use of renewable energy, the measure fails to mention the utility or source of this renewable energy. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
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Measures – General Plans	
<i>General Plans</i>	
<p>GP-2 Establish a Local Farmer’s Market</p> <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. Best Management Practice.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects establish a local farmer’s market. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>
<p>GP-3 Establish Community Gardens</p> <p><i>Range of Effectiveness:</i> Varies depending on Project Applicant and strategies selected. Best Management Practice.</p>	<p>Here, the DPEIR fails to mention or recommend that applicable projects establish community gardens. Thus, the DPEIR concludes significant and unavoidable impacts while failing to require all feasible mitigation.</p>

These measures offer a cost-effective, feasible way to incorporate lower-emitting design features into the proposed Project, which subsequently, reduces emissions released during Project operation. A revised CEQA evaluation should be prepared to include additional mitigation measures, as well as include an updated air quality analysis to ensure that the necessary mitigation measures are implemented to reduce emissions to below thresholds. The revised CEQA evaluation should also demonstrate a commitment to the project-level implementation of these measures prior to Project approval, to ensure that the Project’s significant emissions are reduced to the maximum extent possible.

Feasible Mitigation Measures Available to Reduce Emissions – Sacramento Metropolitan Air Quality Management District (SMAQMD)

In an effort to reduce the Project’s emissions, we identified several mitigation measures that are applicable to the Project but not previously considered by the DPEIR.

Additional feasible mitigation measures can be found in the Sacramento Metropolitan Air Quality Management District’s (“SMAQMD”) *Quantifying Greenhouse Gas Mitigation Measures*, which attempt to reduce emissions.⁶ Mitigation for criteria pollutant and GHG emissions should include consideration of the following measures in an effort to reduce construction emissions to the maximum extent feasible.

SMAQMD’s Basic Construction Emission Control Practices⁷	
<i>The following Basic Construction Emissions Control Practices are considered feasible for controlling fugitive dust from a construction site. The practices also serve as best management practices (BMPs), allowing the use of the non-zero particulate matter significance thresholds. Lead agencies should add these emission control practices as Conditions of Approval (COA) or include in a Mitigation Monitoring and Reporting Program (MMRP).</i>	
Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads.	Here, the DPEIR states that the Project would “[p]rovide an operational water truck on-site at all times. Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway” (p. 2.0-24). However, the DPEIR fails to specify that exposed surfaces would be watered twice daily. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to watering exposed surfaces.
Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered.	Here, the DPEIR states that the Project would “[c]over trucks when hauling dirt” (p. 2.0-24). However, the DPEIR fails to specify how much or which of the haul trucks would be covered and when. As a result, we cannot verify that the Project has implemented all feasible mitigation with respect to watering exposed surfaces.
Use wet power vacuum street sweepers to remove any visible trackout mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited.	Here, the DPEIR states that the Project would “[s]weep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway” (p. 2.0-24). However, the DPEIR fails to specify what kind of street sweepers would be used, and as a result, we cannot verify that streets would be swept with wet power vacuum street sweepers instead of dry power sweeping. Thus, we cannot verify that the Project has implemented all feasible mitigation with respect to street sweeping.

⁶ <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>

⁷ “Basic Construction Emission Control Practices (Best Management Practices).” Sacramento Metropolitan Air Quality Management District (SMAQMD), July 2019, available at: <https://www.epa.gov/sites/production/files/2015-09/documents/nedc-model-contract-sepcification.pdf>.

Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).	Here, the DPEIR fails to mention limiting vehicle speeds on unpaved roads to 15 miles per hour. Thus, we cannot verify that the Project has implemented all feasible mitigation.
All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.	Here, the DPEIR fails to mention paving roadways, driveways, sidewalks, and parking lots as soon as possible, or laying down building pads after grading. Thus, we cannot verify that the Project has implemented all feasible mitigation.
<i>The following practices describe exhaust emission control from diesel powered fleets working at a construction site. California regulations limit idling from both on-road and offroad diesel-powered equipment. The California Air Resources Board (CARB) enforces idling limitations and compliance with diesel fleet regulations.</i>	
Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site.	Here, the DPEIR states that the Project would “[m]inimize idling time to 5 minutes—saves fuel and reduces emissions” (p. 2.0-24). However, the DPEIR fails to mention providing clear signage that posts this requirement for workers at entrances to the site. Thus, we cannot verify that this measure will be fully implemented, and as a result, the Project has not implemented all feasible mitigation.
Provide current certificate(s) of compliance for CARB’s In-Use Off-Road Diesel-Fueled Fleets Regulation [California Code of Regulations, Title 13, sections 2449 and 2449.1].	Here, while the DPEIR states that “Off-Road Heavy-Duty trucks shall comply with the California State Regulation for In-Use Off-Road Diesel Vehicles (Title 13, CCR §2449),” the DPEIR fails to mention providing current certificates of compliance. Thus, we cannot verify that this measure will be fully implemented, and as a result, the Project has not implemented all feasible mitigation.
<i>Although not required by local or state regulation, many construction companies have equipment inspection and maintenance programs to ensure work and fuel efficiencies</i>	
Maintain all construction equipment in proper working condition according to manufacturer’s specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated.	Here, while the DPEIR states that Projects would “[e]nsure that all construction equipment is properly tuned and maintained,” (p. 2.0-24) the DPEIR fails demonstrate how this would be achieved or requiring equipment to be checked by a certified mechanic. As a result, we cannot verify that that this measure would be implemented, and we find that the Project has not implemented all feasible mitigation.
SMAQMD’s Enhanced Exhaust Control Practices⁸	
1. The project representative shall ensure that emissions from all off-road diesel powered equipment used on the project site do not exceed 40% opacity for more than three minutes in any one hour.	Here, the DPEIR fails to mention ensuring emissions from all off-road diesel powered equipment do not exceed 40% for more than three minutes in any one hour. As a result, we cannot verify that that this measure would be implemented, and we find that the Project has not implemented all feasible mitigation.

⁸ “Enhanced Exhaust Control Practices.” Sacramento Metropolitan Air Quality Management District (SMAQMD) October 2013, available at: <http://www.airquality.org/LandUseTransportation/Documents/Ch3EnhancedExhaustControlFINAL10-2013.pdf>.

- Any equipment found to exceed 40 percent opacity (or Ringelmann 2.0) shall be repaired immediately.
- Non-compliant equipment will be documented and a summary provided to the lead agency and District monthly.
- A visual survey of all in-operation equipment shall be made at least weekly.
- A monthly summary of the visual survey results shall be submitted throughout the duration of the project, except that the monthly summary shall not be required for any 30-day period in which no construction activity occurs. The monthly summary shall include the quantity and type of vehicles surveyed as well as the dates of each survey.

Diesel Particulate Matter Health Risk Emissions Inadequately Addressed

The DPEIR concludes that the Project’s construction-related health risk impact would be significant. Specifically, the DPEIR states:

“[T]his PEIR identifies project-level mitigation measures consistent with applicable regulations and policies designed to reduce impacts. Lead Agencies may choose to include project-level mitigation measures in environmental documents as they determine to be appropriate and feasible. However, because of the anticipated construction emissions, the regional nature of the analysis and SCAG’s lack of authority to impose project-level mitigation measures, this PEIR finds impacts related to air emission impacts on sensitive receptors during construction could be significant and unavoidable even with implementation of mitigation” (p. 3.3-81).

However, despite the “regional nature of the analysis” and “SCAG’s lack of authority to impose project-level mitigation measures,” the DPEIR may require future projects to conduct project-level health risk assessments (“HRA”) *in order to be consistent with the Connect SoCal Plan*. As such, the DPEIR should require future projects that claim consistency with the plan to conduct project-level construction and operational HRAs in order to ensure that the Project’s health risk impact is fully evaluated. Until an updated CEQA evaluation for the Project is prepared requiring project-level HRAs, the Project should not be approved.

SWAPE has received limited discovery regarding this project. Additional information may become available in the future; thus, we retain the right to revise or amend this report when additional information becomes available. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants

practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the scope of work, work methodologies and protocols, site conditions, analytical testing results, and findings presented. This report reflects efforts which were limited to information that was reasonably accessible at the time of the work, and may contain informational gaps, inconsistencies, or otherwise be incomplete due to the unavailability or uncertainty of information obtained or provided by third parties.

Sincerely,



Matt Hagemann, P.G., C.Hg.



Paul E. Rosenfeld, Ph.D.

EXHIBIT B



January 24, 2020

Sent via email and USPS

Roland Ok
Senior Regional Planner
Southern California Association of Governments
900 Wilshire Blvd, Suite 1700
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2020PEIR@scag.ca.gov

Re: Draft Program Environmental Impact Report for Connect SoCal 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (State Clearing House Number 2019011061)

Dear Mr. Ok:

These comments are submitted on behalf of the Center for Biological Diversity (the “Center”) regarding the Draft Program Environmental Impact Report (“DEIR”) for Connect SoCal 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (“RTP/SCS”). The Center has reviewed the DEIR and RTP/SCS and provides these comments for consideration by the Southern California Association of Governments (SCAG).

The Center is encouraged to see several conservation facets of the RTP/SCS, including SCAG’s attention to preserve, enhance, and restore regional wildlife connectivity (RTP/SCS at 50), avoid growth in wetlands, wildlife corridors, biodiverse areas, wildfire prone areas and floodplains (RTP/SCS at 55), encourage housing and commercial development near public transit and urban areas (RTP/SCS at 48) and incorporate greenbelts into planning initiatives (RTP/SCS at 55). The Center respectfully submits these comments to help achieve SCAG’s aspirations of a “healthier, safer, more resilient and economically vibrant region” by facilitating a comprehensive approach to growth that addresses human transportation and development needs, the needs of wildlife and habitats that are fragmented by transportation infrastructure and development, and how we can make human and natural communities more resilient to climate change.

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 1.7 million members and online activists throughout California and the United States. The Center and its members have worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Southern California.

I. The Connect SoCal Goals Should Include Maintaining and Enhancing Wildlife Movement and Habitat Connectivity

The Center is encouraged to see the inclusion of Goal #10, “Promote conservation of natural and agricultural lands and restoration of critical habitats” (DEIR at ES-7); however, integrating wildlife connectivity is critical to overall ecosystem health and biodiversity. Doing so would also improve chances of attaining other goals, including supporting healthy and equitable communities, reducing greenhouse gas emissions and improving air quality, and adapting to climate change. Preserving and restoring habitat connectivity would help ensure invaluable ecosystem services that benefit human communities, including but not limited to water purification, erosion control, groundwater recharge, resilience to extreme weather events (e.g., severe storms and flooding), carbon sequestration, and crop pollination.

As mentioned in the Center’s Notice of Preparation comment letter, roads and traffic create barriers that lead to habitat loss and fragmentation, which harms wildlife and people. As barriers to wildlife movement and the cause of injuries and mortalities due to wildlife vehicle collisions, roads and traffic can affect an animal’s behavior, movement patterns, reproductive success, and physiological state, which can lead to significant impacts on individual wildlife, populations, communities, landscapes, and ecosystem function (Mitsch and Wilson 1996; Trombulak and Frissell 2000; van der Ree et al. 2011; Haddad et al. 2015; Marsh and Jaeger 2015; Ceia-Hasse et al. 2018). For example, habitat fragmentation from roads and traffic has been shown to cause mortalities and harmful genetic isolation in mountain lions in southern California (Riley et al. 2006, 2014, Vickers et al. 2015), increase local extinction risk in amphibians and reptiles (Cushman 2006; Brehme et al. 2018), cause high levels of avoidance behavior and mortality in birds and insects (Benítez-López et al. 2010; Loss et al. 2014; Kantola et al. 2019), and alter pollinator behavior and degrade habitats (Trombulak and Frissell 2000; Goverde et al. 2002; Aguilar et al. 2008). Habitat fragmentation also severely impacts plant communities. An 18-year study found that reconnected landscapes had nearly 14% more plant species compared to fragmented habitats, and that number is likely to continue to rise as time passes (Damschen et al. 2019). The authors conclude that efforts to preserve and enhance connectivity will pay off over the long-term and “[conservation] plans that focus solely on habitat area, will leave unrealized the substantial, complementary, and persistent gains in biodiversity attributable specifically to landscape connectivity,” (Damschen et al. 2019).

The Center recommends the goal be edited as follows:

Goal #10: “Promote conservation of natural and agricultural lands **and habitat connectivity** and restoration of critical habitats **and wildlife movement corridors.**”

II. The Connect SoCal Guiding Principles Should Include Maintaining and Enhancing Wildlife Movement and Habitat Connectivity to Protect Wildlife and Improve Public Safety

Wildlife vehicle collisions pose a major public safety and economic threat, as well as a threat to the region’s wildlife and biodiversity. During 2015 to 2018 more than 26,000 incidents involving vehicles and wildlife were reported to the California Highway Patrol, which included

reports of animals standing next to, in, or running across lanes, collisions with large animals, or swerving to avoid collisions and resulting in a crash (Shilling et al. 2019). State reports and car insurance companies estimate that that 7,000 to 23,000 wildlife vehicle collisions (with large mammals) have occurred annually on California roads (Shilling et al. 2017; Shilling et al. 2018; Shilling et al. 2019; State Farm Insurance Company 2016, 2018). These crashes result in human loss of life, injuries, emotional trauma, and property damages that can add up to an estimated \$300-600 million per year and over \$1 billion from 2015-2018, based on reported wildlife vehicle collisions. And it is important to note that collisions with large animals often go unreported as much as 5- to 10-fold (Donaldson and Lafon 2008; Olson et al. 2014; Donaldson 2017) Thus, avoiding and minimizing impacts of transportation projects and development on wildlife movement and habitat connectivity would help preserve biodiversity and ecosystem health while protecting human health and safety.

The Guiding Principles should reflect the need to adequately address wildlife movement and habitat connectivity issues to minimize wildlife vehicle collisions. Outside of California many states, including Arizona, Colorado, Florida, Montana, Nevada, Oregon, New Mexico, Utah, Washington, and Wyoming, have been proactively addressing wildlife connectivity issues and realizing the benefits of wildlife crossing infrastructure. For example, Arizona, Colorado, and Wyoming have seen 80-96% reductions in wildlife vehicle collisions while gradually increasing the level of wildlife permeability over time (it appears that some species take more time than others to adapt to crossings) on sections of highways where they have implemented wildlife crossing infrastructure, such as underpasses, culverts, overpasses, wildlife fencing, and escape ramps (Dodd et al. 2012; Sawyer et al. 2012; Kintsch et al. 2018). Utah just completed the state's largest wildlife overpass at Parleys Canyon for moose, elk, and deer. Washington State is about to complete its largest wildlife overpass on I-90, which is anticipated to provide habitat connectivity for a wide variety of species between the North and South Cascade Mountains. The overpass cost \$6.2 million as part of a larger \$900 million expansion project that will include multiple wildlife crossings along a 15-mile stretch of highway. Savings from less hospital bills, damage costs, and road closures from fewer wildlife vehicle collisions will make up those costs in a few years (Valdes 2018). State transportation departments are actively pursuing these types of projects because of the benefits for wildlife connectivity, public safety, and the economy. California needs to follow suit and more actively invest in preserving habitat connectivity where there are no roads while also enhancing or restoring connectivity where roads or other transportation infrastructure already exist.

The Draft Plan recognizes two important ecological components about southern California. First, it recognizes the incomparable biological diversity of California, due primarily to its flora:

“The region’s desert, mountain and coastal habitats have some of the highest concentrations of native plant and animal species on the planet. Southern California is part of the California Floristic Province, one of the planet’s top twenty-five biodiversity hotspots.” (RTP/SCS at 23)

Secondly, it recognizes the significant contribution to greenhouse gas sequestration that plants, exposed soils and open space provide:

“In addition to their respective roles in biodiversity and food production, both natural areas and farmlands help reduce the impacts of climate change by capturing greenhouse gases in the soil, plants, and trees instead of allowing them to concentrate in the atmosphere.” (RTP/SCS at 36)

In addition, southern California native plants are adapted to our unique “Mediterranean” climate and persist in our relatively arid conditions where rainfall primarily occurs on the winter. For all of these reasons, the Draft Plan needs to adopt the commitment to the preferential use of native plants as part of the final 2020-2045 Regional Transportation/Sustainable Communities Plan.

Much literature is available on the use of native plants on roadsides. The Federal Highway Administration produced a Managers Guide to Roadside Revegetation Using Native Plants (FHA-DOT 2007), which notes:

“Native plants are a foundation of ecological health and function. Revegetating roadsides with native plants is a key practice for managing environmental impacts and improving conditions for healthy ecosystems. The ability to establish native plant communities on roadsides is central to determining whether the transportation corridor will be a healthy environment or a damaged one.”

The Guide continues to tout the benefits of using native plants along transportation corridors as follows:

“Native plants along roadsides offer ecological, economic, safety, and aesthetic advantages. Ecologically, healthy native plant communities often are the best long-term defense against invasive and noxious weeds. Economically, maintenance costs for managing problematic vegetation are reduced, as are the concerns that sometimes result when weeds from roadsides invade neighboring lands or when pollution from herbicides occurs.”

From the perspective of safety, the FHA states:

“The establishment of native plant communities supports transportation safety goals in a number of ways. One of the most important is by improving the function of roadside engineering. Appropriate vegetation can enhance visibility and support design features to help drivers recover if their vehicles leave the pavement. When native plant materials are incorporated into road design, they can improve long-term slope stability while softening visual experiences.”

Native roadside vegetation helps to identify local place, reduces the cost of roadside maintenance, and requires little to no pesticides (Quarles 2003). Tinsley et al (2007) found that native revegetation grass and forb seed mixes outperformed non-native seed mixes in establishing cover on roadsides and concluded that “suites of early- and late-successional native species can provide a highly effective mix for revegetation projects”. In order to assure successful planting with native plant species, care must be taken when planning native roadside

plantings. Plant selection must consider soil type and compaction from engineered slopes, harsh microclimates directly adjacent to roads, invasive species, and pollution from vehicle emissions. Haan et al. (2012) found that “soil characteristics largely determined plant survival” but other considerations were also important considerations. Karim and Mallik (2007) found that “floristic zonation along roadsides is a function of roadside microtopography, substrate type and environmental gradients created by the road building process” and that certain native plant species were more successful in certain zones. Therefore, careful selection of native species is crucial to successfully vegetating transportation corridors. Fortunately, California’s diverse native flora provides the diversity to meet the roadside zones. Several drought tolerant native species lists, tailored to local conditions are readily available for the South Bay of Los Angeles County¹ and coastal southern California².

Because of the ongoing pollinator crisis, the Draft Plan also needs to adopt the commitment to use best management practices for pollinators as part of the final 2020-2045 Regional Transportation/Sustainable Communities Plan. The Federal Highways Administration (FHA-DOT 2015) provides guidelines for best management practices that will benefit pollinators and includes a focus on using native plants. Wildlife connectivity typically focuses on large animals that require safe passage through and beyond their home territories and because of that scale, automatically protects a suite of more localized plants and animals. Here, linear roadside corridors are obviously inappropriate for large mammals, but can still be important and indeed crucial to plants and small animals, including invertebrates. Therefore, these types of linear features should not be overlooked for their potential ecological benefits.

While some of the SCAG transportation goals include roads and road improvements in urbanized areas, these areas provide great opportunities to transition plantings to native plants that are drought tolerant, sequester carbon, provide linear habitat for local fauna and identify a sense of place based on southern California’s iconic flora. For these reasons and those listed above, the Draft Plan would benefit from the incorporation of a commitment to the preferential use of native plants as part of the final 2020-2045 Regional Transportation/Sustainable Communities Plan.

Therefore, the Center recommends Connect SoCal Guiding Principles to be edited as follows:

Guiding Principle #2: Place high priority for transportation funding in the region on projects and programs that improve **human** mobility, accessibility, reliability and safety, and **wildlife connectivity that is based on native southern California flora**. ~~that preserve the existing transportation system~~

Guiding Principle #5: Encourage transportation investments that will result in improved air quality and public health **and safety**, and reduced greenhouse gas emissions

¹ See <https://bestofthesouthbay.com/10-drought-tolerant-california-native-plants/>

² See <https://www.scpr.org/news/2015/05/13/51644/go-native-a-list-of-drought-friendly-california-pl/>

III. The Projects on the Transportation System Project List Undercut the SCAG's Stated Land Use Strategies and Sustainability Goals

The Center is encouraged to see that SCAG's land use strategies include prioritizing infill and redevelopment; facilitating multimodal transportation for various purposes (*i.e.*, work, education, other destinations); urban greening; and avoiding growth in wetlands, wildlife corridors, biodiverse areas, wildfire prone areas, and floodplains. However, the Transportation Project List contains over 300 pages of projects in Appendix 2.0, many of which include the widening and extension of freeways, which will result in increased greenhouse gas ("GHG") emissions and fragment landscapes and wildlife connectivity while promoting sprawl development, some of which is located in high fire hazard severity zones.

As the Center noted in its NOP comments to SCAG last year, scientific studies and state agency reports from the California Air Resources Board ("CARB") have shown the state will not achieve the necessary GHG emissions reductions to meet its mandates for 2030 and 2050 without significant changes to how communities and transportation systems are planned, funded and built. Significant reductions in GHG emissions is the only pathway to limiting the impacts of climate crisis, which are already being felt by people and wildlife throughout the state. Those reductions will not be achieved by small half measures of simply encouraging more zero-emission vehicles or hoping local agencies will change their land use decision-making in the future. Instead agencies at all levels—state, regional and local—must take head on the interconnected relationship between the climate crisis and land use, housing, workforce growth and transportation investments. Fundamental changes in land use planning for the future by local and regional land use agencies and hard questions about existing transportation plans must occur.

For example, the Transportation Project List earmarks an astounding \$600,000,000 for the 138 Northwest Corridor Improvement Project to support leapfrog sprawl development like Tejon Ranch Company's proposed Centennial city. Centennial would be located 60 miles away from a major work center (*i.e.*, downtown Los Angeles)so the Project's anticipated 57,000 residents will be forced to drive long distances to reach jobs, schools, and supplies for decades during Project build-out. Centennial alone would generate 75,000 new vehicle trips per day, with an average trip length of 45 miles. The development will also pave over pristine native grasslands rich with endemic and rare species in a mountain lion movement corridor important for statewide genetic connectivity and an area designated as having very high fire hazard severity.

In addition to the 138 Northwest Corridor Improvement Project, there are many projects that involve paving over dirt roads, which could lead to increased traffic that would result in increased greenhouse gas emissions from increasing VMT and significant impact on small animal species since roads with heavy traffic may deter movement from a wide range of small animals (Brehme et al. 2013; Brehme et al. 2018). Transportation projects should focus more on public transit infrastructure and less on widening already large freeways and paving dirt roads, both of which facilitate the use of more cars and increase vehicle miles traveled, commute times, air pollution, and greenhouse gas emissions.

The Transportation Project List allocates many millions of dollars on I-15 expansion projects even while the I-15 continues to be a major barrier to mountain lion and wildlife

movement, and critical wildlife crossings along the I-15 remain unfunded. Instead of further degrading habitat connectivity by expending hundreds of millions of dollars on multi-lane highways in remote areas that will fill up with GHG emitting vehicles, SCAG should prioritize funding for more public transit and adequate wildlife crossings on existing highways. For instance, critical wildlife crossings such as the Liberty Canyon Wildlife Crossing are not yet fully funded. In fact, in the 300-page project list, there is only a *single* listed proposal for a wildlife crossing.

As it stands, the RTP/SCS contains laudable goals regarding sustainable development, reducing VMT, and increasing wildlife connectivity. However, many of the projects on the Transportation Project List will undercut these goals by increasing VMT and exacerbating existing connectivity problems. If SCAG is serious about addressing this region-wide issue, it should work to reallocate funding away from particularly damaging projects and instead allocate funding towards public transit and wildlife connectivity projects.

IV. SCAG Should Aim for Higher Per Capita VMT Reductions

The Center is encouraged by SCAG’s goals and guiding principles that focus on supporting more development supported by existing public transit. (RTP/SCS at 8.) However, the Center believes SCAG can and should do more to reduce daily vehicles miles traveled. Increases in VMT negatively impact communities by leading to more vehicle crashes, poorer air quality, increases in chronic diseases associated with reduced physical activity, and worse mental health. Also, as noted above, the natural environment is impacted as higher VMT leads to more collisions with wildlife and fragments habitat. Therefore, any additional step SCAG takes to reduce VMT will have co-benefits of better air quality, decreased chronic disease, decreased wildlife-vehicle collisions, and less habitat fragmentation.

As currently drafted, the RTP/SCS boasts of a 4.1% reduction in VMT per capita from a 2045 baseline and a 9.5% reduction from the base year of 2016. (RTP/SCS at 5, 122.) However, these reductions are far less than reductions in VMT detailed in the December 2018 Technical Advisory issued by the Governor’s Office of Planning and Research (“OPR VMT Report”). The OPR VMT Report concluded, “achieving 15 percent lower per capita (residential) or per employee (office) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State’s emissions goals.” (OPR VMT Report at 12.) OPR emphasized that land use decisions to reduce GHG emissions associated with the transportation sector are crucial to meet the state’s GHG reductions goals. (*Id.* at 3.) The OPR VMT Report further noted that because California cannot meet its climate goals without curbing single-occupancy vehicle activity, land use patterns and transportation options will need to change to support reductions in VMT. (*Id.* at 10.) Historically regional SCS and RTPs have lead increases in VMT rather than decreasing them as SB 375 intended. While SCAG’s RTP/SCS has taken a small step in the right direction, it is not enough, and more fundamental changes are needed. The Center urges SCAG to utilize the RTP/SCS process to set the region on the path reducing its VMT at the level necessary to address the climate crisis and meet the state’s GHG reduction goals.

V. The DEIR Fails to Adequately Assess or Mitigate Impacts to Mountain Lions (*Puma concolor*) and Regional Wildlife Connectivity Throughout the SCAG Region

The Center is encouraged to see SCAG acknowledge the importance of wildlife corridors and habitat connectivity by including the preservation, enhancement, and restoration of regional wildlife connectivity (RTP/SCS at 50), avoiding growth in wetlands, wildlife corridors, biodiverse areas, wildfire prone areas and floodplains (RTP/SCS at 55), and drawing attention to greenbelts (RTP/SCS at 55). Mountain lions are a key indicator species of wildlife connectivity. As the last remaining wide-ranging top predator in the region, the ability to move through large swaths of interconnected habitat is vital for genetic connectivity and their long-term survival. In addition, impacts to mountain lions in the SCAG region could have severe ecological consequences; loss of the keystone species would have ripple effects on other plant and animal species, potentially leading to a decrease in biodiversity and diminished overall ecosystem function. Without mountain lions, increased deer populations can overgraze vegetation and cause stream banks to erode (Ripple and Beschta 2006; Ripple and Beschta 2008). Many scavengers, including foxes, raptors, and numerous insects, would lose a reliable food source (Ruth and Elbroch 2014; Barry et al. 2019). Fish, birds, amphibians, reptiles, rare native plants, and butterflies would diminish if this apex predator were lost (Ripple and Beschta 2006; Ripple and Beschta 2008; Ripple et al. 2014).

In light of recent studies regarding imperiled mountain lion populations in Southern California, the DEIR fails to disclose or describe the RTP/SCS’s severe impacts on mountain lion populations throughout the SCAG region. CEQA requires a “mandatory finding of significance” if there is substantial evidence in the record that the Project *may* cause a “wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; substantially reduce the number or restrict the range of an endangered, rare or threatened species” (CEQA Guidelines § 15065(a)(1).) This means that a project is deemed to have a significant impact on the environment as a matter of law if it reduces the habitat of a species, or reduces the number or range of an endangered, rare, or threatened species.³ (See *Endangered Habitats League, Inc. v. County of Orange* (2005) 131 Cal.App.4th 777, 792 fn. 12 [citing *Defend the Bay v. City of Irvine* (2004) 119 Cal.App.4th 1261, 1273–1274].)

There is ample scientific evidence that indicates mountain lion populations in Southern California are imperiled and that human activities and land use planning that does not integrate adequate habitat connectivity can have adverse impacts on mountain lions. Continued habitat loss and fragmentation has led to 10 genetically isolated populations within California. Several populations in Southern California are facing an extinction vortex due to high levels of inbreeding, low genetic diversity, and high human-caused mortality rates from car strikes on roads, depredation kills, rodenticide poisoning, poaching, disease, and increased human-caused wildfires (Ernest et al. 2003; Ernest et al. 2014; Riley et al. 2014; Vickers et al. 2015; Benson et al. 2016; Gustafson et al. 2018; Benson et al. 2019). This is detailed in the Center’s petition to

³ On June 25, 2019, the Center and Mountain Lion Foundation submitted a petition pursuant to 14 Cal. Code Regs. § 670.1 to the California Fish and Game Commission requesting the Commission list the Santa Ana mountain lion population and other populations as “endangered” or “threatened” under the California Endangered Species Act.

the California Fish and Game Commission to protect Southern California and Central Coast mountain lions under the California Endangered Species Act (Yap et al. 2019).

Mountain lions in the Santa Monica Mountains and Santa Ana Mountains were found to have dangerously low genetic diversity and effective population size, and they are likely to become extinct within 50 years if gene flow with other mountain lion populations is not improved (Benson et al. 2016; Gustafson et al. 2018; Benson et al. 2019). Due to extreme isolation caused by roads and development, the Santa Monica and Santa Ana mountains populations exhibit high levels of inbreeding, and, with the exception of the endangered Florida panther, have the lowest genetic diversity observed for the species globally (Ernest et al. 2014; Riley et al. 2014; Gustafson et al. 2018; Benson et al. 2019). In addition, Gustafson et al. (2018) found that the nearby mountain lion population in the San Gabriel/San Bernardino Mountains also has low genetic diversity and effective population size, which indicates that they too have a high risk of extinction. The long-term survival of these mountain lions, along with those in the Tehachapi and Sierra Pelona mountains, are vital for statewide genetic connectivity (Gustafson et al. 2018). Improved connectivity among the mountain lion populations within the SCAG Region and beyond is essential for the long-term survival of Southern California mountain lion populations (Gustafson et al. 2017; Gustafson et al. 2018; Benson et al. 2019).

Growth and development in identified “major highway projects” (RTP/SCS at Exhibit 3.2), “transit priority areas” (RTP/SCS at Exhibit 3.7), “priority growth area - high quality transit areas” (RTP/SCS at Exhibit 3.8), and “livable corridors” (RTP/SCS at 3.10) could have severe impacts on Southern California’s already-imperiled mountain lion populations. Such development without addressing wildlife connectivity issues and integrating effective wildlife crossings and corridors could lead to the extirpation of multiple mountain lion populations in the SCAG region. The RTP/SCS should encourage the involvement of wildlife connectivity experts from CDFW and other agencies, organizations, academic institutions, communities, and local groups starting at the initial planning stage of development and transportation projects so that habitat connectivity can be strategically integrated into project design and appropriately considered in the project budget. The RTP/SCS should require highway projects to include adequate wildlife crossing infrastructure in order to reduce impacts to mountain lions and other species.

Project planning should consider the impacts of climate change on wildlife movement and habitat connectivity in the design and implementation of projects and any mitigation. Climate change is increasing stress on species and ecosystems, causing changes in distribution, phenology, physiology, vital rates, genetics, ecosystem structure and processes, and increasing species extinction risk (Warren et al. 2011). A 2016 analysis found that climate-related local extinctions are already widespread and have occurred in hundreds of species, including almost half of the 976 species surveyed (Wiens 2016). A separate study estimated that nearly half of terrestrial non-flying threatened mammals and nearly one-quarter of threatened birds may have already been negatively impacted by climate change in at least part of their distribution (Pacifi et al. 2017). A 2016 meta-analysis reported that climate change is already impacting 82 percent of key ecological processes that form the foundation of healthy ecosystems and on which humans depend for basic needs (Scheffers et al. 2016). Genes are changing, species' physiology and physical features such as body size are changing, species are moving to try to keep pace with

suitable climate space, species are shifting their timing of breeding and migration, and entire ecosystems are under stress (Parmesan and Yohe 2003; Root et al. 2003; Parmesan 2006; Chen et al. 2011; Maclean and Wilson 2011; Warren et al. 2011; Cahill et al. 2012).

VI. Conclusion

Thank you for the opportunity to submit comments on the DEIR and RTP/SCS for Connect SoCal. We look forward to working with SCAG to foster land use policy and growth patterns that promote wildlife movement and habitat connectivity, facilitate public health and safety, and move towards the State's climate change goals. Please do not hesitate to contact the Center with any questions at the number or email listed below.

Sincerely,



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(provided on CD via USPS)

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EXHIBIT C



December 20, 2018

Sent via email and FedEx (if applicable)

California Department of Transportation (Caltrans)
Division of Transportation Planning
California Transportation Plan
Office of State Planning
1120 N Street, MS 32
Sacramento, CA 95814
(916) 654-2852
CTP@dot.ca.gov

Re: California Transportation Plan 2050 - Comments

Dear California Transportation Plan 2050 Planners:

These comments are submitted on behalf of the Center for Biological Diversity (the “Center”) regarding the California Transportation Plan (CTP) 2050. The Center is encouraged by Caltrans’ commitment to increase safety and security on bridges, highways, and roads and create a low-carbon transportation system that protects human and environmental health. To achieve these goals, it is imperative that Caltrans integrate wildlife connectivity into the design and implementation of California’s transportation infrastructure.

The Center urges Caltrans to improve driver safety and minimize the impact of roads and traffic on wildlife movement and habitat connectivity with the following actions:

1. Collect and analyze standardized roadkill and wildlife vehicle collision data.
2. Build climate-wise wildlife crossing infrastructure in high priority areas.
3. Prioritize wildlife movement and habitat connectivity on ALL transportation projects.
4. Designate an expert unit dedicated to address wildlife connectivity issues. This unit should form strategic collaborations and partnerships with other connectivity experts.
5. Evaluate the effectiveness of wildlife crossing infrastructure to inform future mitigation.
6. Upgrade existing culverts to facilitate wildlife connectivity as part of routine maintenance.
7. Provide up-to-date guidance for best practices for climate-wise connectivity.
8. Engage with volunteer and community scientists and platforms.
9. Improve multimodal transportation design.
10. Allocate more funding to prioritize wildlife connectivity.

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 68,000 thousand members and online activists throughout California and the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in location of Project.

I. ROADS CREATE BARRIERS THAT LEAD TO HABITAT LOSS AND FRAGMENTATION, WHICH HARMS WILDLIFE AND PEOPLE



Desert tortoise crossing the road in Joshua Tree National Park.
Photo Credit: National Park Service.

Roads and traffic are drivers of habitat loss and fragmentation, which have been identified as major stressors on California's unique ecosystems and biodiversity (CDFW 2015). As barriers to wildlife movement and the cause of injuries and mortalities due to wildlife vehicle collisions, roads and traffic can affect an animal's behavior, movement patterns, reproductive success, and physiological state, which can lead to significant impacts on individual wildlife, populations, communities, and landscapes (Trombulak and Frissell 2000, Haddad et al. 2015, van der Ree 2015, Ceia-Hasse et al. 2018). For example, habitat fragmentation from roads and traffic has been shown to cause mortalities and harmful genetic isolation in mountain lions in southern California (Riley et al. 2006, 2014, Vickers et al. 2015), increase local extinction risk in amphibians and reptiles (Cushman 2006, Brehme et al. 2018), cause high levels of avoidance behavior and mortality in birds (Benitez-Lopez et al. 2010, Loss et al. 2014), and alter pollinator behavior and degrade habitats (Trombulak and Frissell 2000, Goverde et al. 2002, Aguilar et al. 2008). In addition, wildlife vehicle collisions pose a major public safety and economic threat. Over the last three years (2015-2017) it is estimated that 7,000 to 23,000 wildlife vehicle collisions have occurred annually on California roads (Shilling et al. 2017, Shilling et al. 2018, State Farm Insurance Company 2016, 2018). These crashes result in human loss of life, injuries, emotional trauma, and property damages that can add up to \$300-600 million per year.

Caltrans' mission statement is to "[p]rovide a safe, sustainable, integrated, and efficient transportation system to enhance California's economy and livability" (Caltrans 2018a). Thus, **Caltrans should include an additional goal in the CTP 2050 to maintain and improve climate-wise connectivity to sustain functional, healthy ecosystems and ensure public safety.** This can be accomplished by avoiding intact wildlife corridors and the implementing effective wildlife crossing infrastructure. Crossing structures are useful as mitigation for new projects and as retroactive restoration in areas where existing roads have high incidence of wildlife vehicle conflict or where species movement has been severely impacted. When appropriately implemented, wildlife crossing infrastructure has been shown to improve wildlife permeability and reduce wildlife vehicle collisions (Dodd et al. 2004, 2012, Bissonnette and Rosa 2012, Sawyer et al. 2012, Sawaya et al. 2014, Kintsch et al. 2018). Thus, by maintaining and restoring climate-wise habitat connectivity that facilitates movement required for current and future species ranges and behaviors, Caltrans would improve driver safety while allowing California's special biodiversity to thrive.

II. CALTRANS IS NOT ADEQUATELY ADDRESSING WILDLIFE MOVEMENT OR HABITAT CONNECTIVITY ISSUES



A baby black bear was struck by a car on the road and a red fox feeds on roadkill.
Photo credit: Robert Berdan.

Because Caltrans has authority and jurisdiction over most of California's roads and highways, Caltrans is the best suited agency to make roads safe for both motorists and wildlife. Caltrans should be proactively addressing the environmental and public safety impacts that result from the maintenance, design, construction, and traffic of California roads. However, Caltrans is failing to keep people safe and ecosystems healthy by neglecting to acknowledge the need for appropriate data to determine priority areas for preserving, enhancing, or developing effective wildlife connectivity on existing or planned roads. Caltrans is falling behind other state transportation departments that are prioritizing road safety and wildlife connectivity in their project design and implementation.

A. Caltrans has insufficient data to identify priority areas, determine the magnitude of the problem, and inform effective mitigation

In July and August of 2018 the Center requested roadkill and wildlife vehicle collision data under the California Public Records Act (PRA), Government Code § 6250 *et seq.* In

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response to the PRA requests, the Center received various documents, including records and summary reports of animal hits from 2010 to 2017 from the Transportation Systems Network (TSN) (these are reported animal vehicle collisions), carcass removal data from 2001 to 2018 from Caltrans Division of Maintenance, and website links to spatial data (i.e., GIS layers) for the locations of bridges, underpasses, culverts, and traffic volume (Appendix 1). In addition, the Center received a 2017 contract not to exceed \$250,000 between Caltrans and the Western Transportation Institute (WTI) to conduct a hotspot analysis for large mammal-vehicle collisions in California, the data used by WTI for their analyses, and summaries of WTI’s preliminary analyses (Appendix 2).

Following a close review of the documents, it became apparent that Caltrans has failed to systematically collect or record roadkill data. This is concerning because systematic, reliable roadkill and animal vehicle collision data are needed to accurately identify the existence and magnitude of road safety and conservation issues (Donaldson 2017, Shilling et al. 2018). Carcass removal data input varied and often did not include important details like species information, date and time information, or specific location information. For example, the 52 recorded roadkill pickups in 2017 in District 7 (Los Angeles and Ventura Counties) included two dogs, one coyote, one raccoon and 48 unidentified species. These data are insufficient for meaningful analyses. Alarming, four of the 12 Caltrans Districts (9, 10, 11, and 12) had no roadkill data for the past seven years (2011-2017), even though they cumulatively had an average of ~1200 roadkill pickups annually from 2004 to 2010. In addition, several of the remaining Districts with data, including Districts 4 (the San Francisco Bay Area) and 7 (Los Angeles and Ventura Counties), had markedly less records compared to previous years. The lack of data and low numbers contradict a study conducted by the UC Davis Road Ecology Center, which identified wildlife vehicle collision hotspots in all of these Districts using independently collected roadkill data from the California Roadkill Observation System and Caltrans animal crash data (Shilling et al. 2018). See Figure 1.

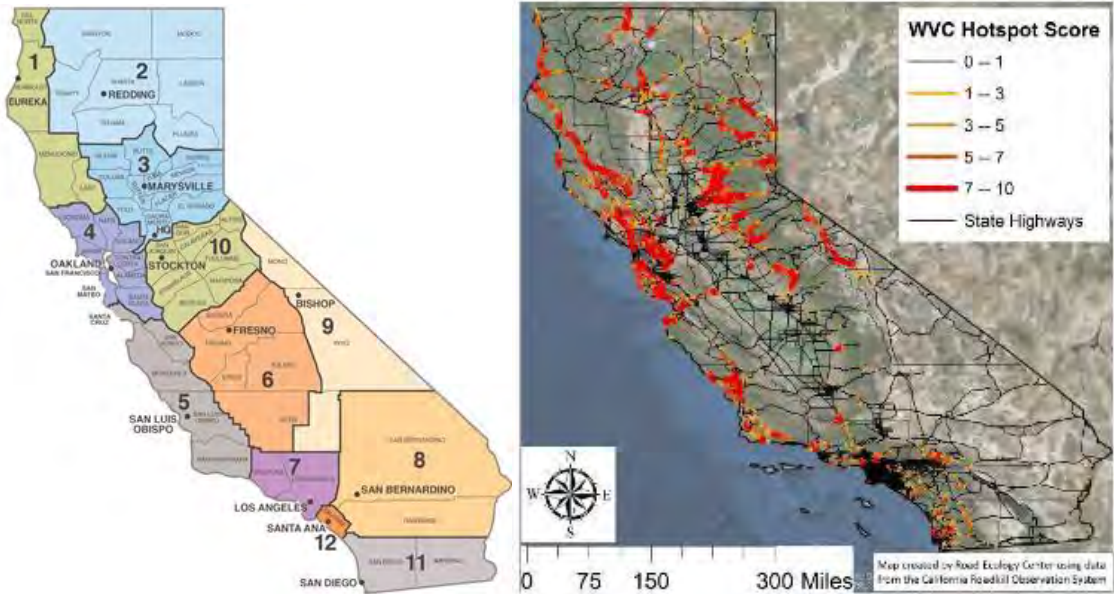


Figure 1. Map of Caltrans Districts and identified wildlife vehicle collision hotspots.
Sources: Caltrans, Shilling et al. 2018.

According to the WTI summary regarding carcass removal (Appendix 2.2), the number of records in the database for species of concern to human safety (except for mule deer) or biological conservation were low, and “[l]ooking at the species distribution maps for CA, there are probably many more hit of these species in locations that did not report these species at all” (Appendix 2.2). Thus, WTI concludes that the data are insufficient “to conduct meaningful analyses” on any species other than deer (Appendix 2.2). Search and reporting effort seemed to vary among the districts over time, and WTI recommended that Caltrans implement the same level of higher effort across all Caltrans Districts in order to be able to accurately identify roadkill hotspots and improve safety for both drivers and wildlife.

While animal collision data from reported crashes were somewhat better, there were significant discrepancies between data summaries from Caltrans and WTI. For example, Caltrans reported 10,538 total reported crashes with animals from 2005-2014, with 33 human fatalities and 1,708 human injuries (Appendix 2.4). WTI’s numbers were slightly different, with 10,552 reported animal collisions, 28 human fatalities, and 1,617 human injuries within that same timeframe (Appendix 2.3). The reasons for the mismatching numbers are unclear, but similar issues have occurred with other independent analyses of Caltrans data. Shilling et al. (2018) reported one fatality and 268 injuries from reported animal collisions in 2017 while Caltrans (2018b) reported 12 fatalities and 383 injuries. More data transparency is needed so these kinds of issues can be resolved, and accurate information can be provided to decisionmakers.

The large mammal vehicle collision hotspot analysis that Caltrans contracted out is narrow in focus and does not comprehensively address issues of habitat fragmentation and driver safety, as other animals on or near roads can be involved in crashes (Shilling et al. 2017, 2018). Caltrans’ insufficient data further limits WTI’s analysis to only mule deer, even though numerous other large mammals, such as mountain lions, black bears, and elk, are hit on California roads every year (Shilling et al. 2017, 2018). In addition, injuries and fatalities sustained by animals that are hit can impact the resilience and persistence of a species’ population (Trombulak and Frissell 2000, Marsh and Jaeger 2015, van der Ree 2015, Ceia-Hasse et al. 2018). Thus, this kind of limited analysis does not provide sufficient information regarding how to effectively minimize the environmental and safety impacts of roads and traffic.

The lack of systematic animal collision and roadkill data undermines Caltrans’ ability to accurately identify where and how often animal collisions are occurring. According to both Caltrans’ summary report and WTI’s preliminary analyses using only Caltrans’ reported animal crash data, there was an average of about 1,000 reported animal collisions per year between 2005 and 2014 (Appendix 2). However, independent analyses of Caltrans’ animal crash data combined with roadkill data recorded by volunteer scientists in the California Roadkill Observation System showed that ~7,000 animal collisions per year occurred between 2015 and 2017 (Shilling et al. 2017, 2018). Although these analyses are conducted for different timeframes, the stark difference in the magnitude of animal collisions occurring on California roads requires more attention. In addition, these estimates likely underrepresent the actual number of annual animal collisions. Several studies indicate that these types of collisions are often underreported (Donaldson and Lafon 2008, Donaldson 2017), which is further supported by car insurance claims; State Farm Insurance Company estimated that there were >23,000 deer collision claims per fiscal year from

2015-2018 (State Farm 2016, 2018). This underscores the need for systematic roadkill and crash data to determine animal crash hotspots so that the issues of wildlife movement and habitat connectivity on existing roads can be appropriately addressed. **The lack of such data makes Caltrans unable to effectively mitigate these wildlife vehicle collisions, thereby making them unable to make roads safer for both people and wildlife.** Without systematically collecting and analyzing roadkill and animal crash data, Caltrans will not be able to accomplish their mission to “[p]rovide a safe, sustainable, integrated, and efficient transportation system to enhance California’s economy and livability” (Caltrans 2018a).

B. Caltrans is not building enough wildlife crossing infrastructure.



Bobcat at a culvert. Photo credit: National Park Service.

According to Shilling et al. (2018), Caltrans builds only 2-3 wildlife crossings per year statewide, which is grossly insufficient to address the major threat that roads pose to wildlife connectivity and driver safety (12 human deaths and 383 human injuries due to ~7,000-23,000 wildlife vehicle collisions in 2017 [Caltrans 2018b, Shilling et al. 2018, State Farm Insurance Company 2018]). Generally, these crossings are not standalone projects that have the purpose of addressing wildlife connectivity issues; instead, they are embedded as mitigation in larger construction/expansion/maintenance projects that have already been approved or funded. Although embedded mitigation measures are important for minimizing connectivity impacts of those types of projects, they are limited in addressing wildlife connectivity and driver safety needs in identified high priority areas. Many identified major wildlife vehicle collision hotspots are not in areas where Caltrans has planned projects (Shilling et al. 2018). Thus, **a more efficient and effective way to address wildlife connectivity and driver safety issues is to proactively implement wildlife crossing infrastructure in areas where wildlife vehicle collisions are most numerous.**

An exception to this pattern is the Highway 17 Connectivity Project, a collaboration between Caltrans and local/regional stakeholders, including the UC Santa Cruz Puma Project, Pathways for Wildlife, Midpeninsula Regional Open Space District, Peninsula Open Space Trust, the Land Trust of Santa Cruz County, Santa Clara Valley Transportation Authority, and others, in the Santa Cruz Mountains. Based on existing knowledge of local experts, wildlife movement studies (with GPS telemetry data and camera monitoring data), and roadkill data analyses, wildlife vehicle collision hotspots were identified at Laurel Curve and Lexington Reservoir on Highway 17 and have been prioritized for the maintenance of habitat connectivity and the implementation of wildlife crossing infrastructure (Diamond et al. 2015). Land was purchased to preserve high quality habitat in the high priority areas on both sides of Highway 17 and the best locations to facilitate wildlife connectivity and reduce wildlife vehicle collisions were chosen to retrofit, construct, and maintain wildlife crossing structures (underpasses and culverts) (Diamond et al. 2015). The project is currently in the design phase and construction is expected to begin in 2020 (Gary 2018). More projects like the Highway 17 Connectivity Project need to be proactively planned, funded, and implemented.

C. Other state transportation departments are proactively addressing wildlife connectivity and wildlife movement issues.



Deer on a wildlife overpass in Colorado. Photo credit: Josh Richert.



Spotted salamanders exiting an underpass in Massachusetts. Photo credit Noah Charney.

Outside of California many states, including Arizona, Colorado, Florida, Montana, Nevada, Oregon, New Mexico, Utah, Washington, and Wyoming, have been proactively addressing wildlife connectivity issues and realizing the benefits of wildlife crossing infrastructure. For example, Arizona, Colorado, and Wyoming have seen 80-96% reductions in wildlife vehicle collisions while gradually increasing the level of wildlife permeability over time (it appears that some species take more time than others to adapt to crossings) on sections of highways where they have implemented wildlife crossing infrastructure, such as underpasses, culverts, overpasses, wildlife fencing, and escape ramps (Sawyer et al. 2012, Dodd et al. 2012, CDOT 2017, Kintsch et al. 2018). Utah just completed the state’s largest wildlife overpass at Parleys Canyon for moose, elk, and deer. Washington State is about to complete its largest wildlife overpass on I-90, which is anticipated to provide habitat connectivity for a wide variety

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of species between the North and South Cascade Mountains. The overpass cost \$6.2 million as part of a larger \$900 million expansion project that will include multiple wildlife crossings along a 15-mile stretch of highway. Savings from less hospital bills, damage costs, and road closures from fewer wildlife vehicle collisions will make up those costs in a few years (Valdes 2018). State transportation departments are actively pursuing these types of projects because of the benefits for wildlife connectivity, public safety, and the economy. California needs to follow suit and more actively invest in preserving habitat connectivity where there are no roads while also enhancing or restoring connectivity where roads or other transportation infrastructure already exist.

III. RECOMMENDATIONS FOR IMPROVED WILDLIFE CONNECTIVITY AND DRIVER SAFETY



Mountain lion using a culvert. Photo credit: Parks Canada.

Caltrans has stated that they are motivated to “provide a modern, statewide transportation system that is clean, safe, and integrated” (Caltrans 2014), and they proclaim that they “want the department to be the best state Department of Transportation in the country – one that is broadly viewed as well-performing, efficient, transparent, accountable and modern” (Caltrans 2014). If Caltrans is serious about being a leader in making California’s transportation infrastructure safe and sustainable, then they have some catching up to do. Caltrans must consider how to accommodate, enhance, and restore habitat connectivity and wildlife movement in the design, planning, and implementation of multimodal transportation systems. Below are recommendations the Center proposes Caltrans adopt in the CTP 2050.

Recommendation 1: Collect and analyze standardized roadkill and wildlife vehicle collision data.

Standardized roadkill and wildlife vehicle collision data should be a priority for transportation planning and wildlife management (Dodd et al. 2012, Shilling et al. 2017, 2018, Donaldson 2017). Data from reported collisions alone is insufficient, as collisions are often vastly underreported (Donaldson and Lafon 2008, Donaldson 2017, Shilling et al. 2017, 2018). In addition, data transparency is needed for accurate analyses to take place. Olson et al. (2014) has shown that implementing available technologies, such as GPS, mobile applications, map viewers, and electronic databases, is a cost-effective way to improve data efficiency, accuracy, and management. Utah’s state personnel use a wildlife vehicle collision reporter mobile app to record roadkill data (Ashland 2018). California should do the same. Standardized data and data transparency will allow for analyses to be conducted at a finer spatial scale so that priority areas for wildlife road conflict can be accurately identified and appropriate mitigation measures can be implemented. These data should be made publicly available for other agencies and organizations to use and analyze.

Recommendation 2: Build climate-wise wildlife crossing infrastructure in high priority areas.

Caltrans should proactively identify high priority areas for wildlife crossing infrastructure using the best available scientific information and implement them as standalone retrofit projects. Although Caltrans does not currently have sufficient roadkill and wildlife collision data, they can turn to other experts for guidance regarding priority areas to investigate or address now. The scientific community is a valuable resource that can provide Caltrans with information regarding connectivity issues. For example, CDFW’s California Essential Habitat Connectivity Project provides a working foundation to build upon. It can help identify areas that require finer-scale data collection and analyses to determine where there are intact connectivity areas to prioritize for preservation or areas that require connectivity enhancement or restoration. Caltrans should integrate systematic roadkill and wildlife vehicle collision data with existing data and platforms to improve their understanding of habitat connectivity and wildlife movement issues on existing and planned transportation infrastructure.

There are other sources of information that can be consulted to proactively address connectivity issues on California’s roads. The UC Davis Road Ecology Center has published multiple studies in which they identify wildlife vehicle collision hotspots using Caltrans’ animal collision data combined with roadkill data collected by volunteer scientists throughout the state (Shilling et al. 2017, 2018). These studies can be used to inform wildlife connectivity projects to reduce wildlife vehicle collisions and improve driver safety. Studies and experts can also be consulted to determine priority areas where species of conservation concern are being impacted by roads. For example, a 2009 study shows that traffic on Vasco Road in Livermore, CA causes high levels of mortality in two federally threatened species, California red-legged frogs and California tiger salamanders (Mendelsohn et al. 2009). Due to the sensitivity of these species and their need to migrate from terrestrial burrows to temporal pools for breeding, this area should be prioritized for connectivity infrastructure to facilitate the safe passage of these amphibians along this road. Caltrans should use the best scientific information available to protect, enhance, or

restore wildlife connectivity at existing and planned roads or other transportation infrastructure. These projects should be planned and implemented as standalone retrofit projects.

Recommendation 3: Prioritize wildlife movement and habitat connectivity on ALL transportation projects.

Caltrans should adequately assess the impacts of all maintenance, expansion, or new transportation projects on wildlife movement and habitat connectivity and require connectivity actions through the California Environmental Quality Act (CEQA) process. They should consult with CDFW as well as local and regional stakeholders to accurately identify connectivity impacts due to their projects and appropriately mitigate those impacts through avoidance and minimization measures. Local and regional wildlife movement, habitat connectivity, and wildlife vehicle collision data should be collected and analyzed in the project area before projects are approved and budgets are set (Lesbarreres and Fahrig 2012, Shilling et al. 2018). New and renovated roads should be designed with wildlife connectivity in mind – it is easier to plan a new road to avoid or minimize impacts to wildlife connectivity than it is to retroactively build wildlife crossings.

Caltrans recently published climate change vulnerability assessments that bring attention to current and potential future damage on roads and other transportation infrastructure due to extreme weather events associated with climate change (Caltrans 2018c). With climate change predicted to alter the landscape, it is important to consider potential shifts in wildlife movement patterns due to changes in species distributions and home ranges. To further increase the resiliency of the state highway system to climate change, Caltrans should integrate climate-wise wildlife connectivity needs, in consultation with CDFW and other connectivity experts, as they rebuild damaged roads, retrofit existing roads, and construct new roads. This, in addition to their proactive approach to other climate change vulnerabilities, will improve California’s transportation infrastructure and help keep people and wildlife safe.

Recommendation 4: Designate an expert unit dedicated to address wildlife connectivity issues. This unit should form strategic collaborations and partnerships with other connectivity experts.

Caltrans should establish a dedicated team of experts to address the complicated and expansive issues of wildlife movement and habitat connectivity. In addition, Caltrans should involve wildlife connectivity experts from CDFW and other agencies, organizations, academic institutions, communities, and local groups at the beginning of transportation projects so that climate-wise connectivity can be strategically integrated into project design and appropriately considered in the project budget.

Caltrans should crowdsource for local knowledge by sponsoring, coordinating, and organizing connectivity working groups with local and regional stakeholders, including agencies, organizations, academic institutions, and communities, to more easily identify priority connectivity issues. As part of these working groups Caltrans engineers should be trained and updated on how high priority areas for wildlife road conflict are identified and best practices to incorporate climate-wise wildlife connectivity actions.

Recommendation 5: Evaluate the effectiveness of wildlife crossing infrastructure to inform future mitigation.

To provide appropriate mitigation for habitat connectivity and wildlife movement, the effectiveness of wildlife crossing infrastructure planning, design, and strategies should be thoroughly and systematically evaluated to determine which strategies work better than others and how they can be improved. This should include the long-term monitoring and maintenance of crossing infrastructure as well as the use of appropriate metrics that adequately reflect effectiveness, such as species passage rates and counts of wildlife vehicle collision occurrences. In addition, Caltrans should archive stamped engineering plans and drawings for crossings for engineers to reference for future projects. The data and evaluations should inform future mitigation strategies and be made available to the public.

Recommendation 6: Upgrade existing culverts to facilitate wildlife connectivity as part of routine maintenance.

A vast system of culverts already exists throughout California's road systems. Although some were built for purposes unrelated to habitat connectivity and wildlife movement, many can function as corridors for multiple species. Upgrading culverts to accommodate wildlife movement as part of standard routine maintenance could increase connectivity. Arizona does this on their highways. Caltrans already alters culverts for use by humans and farm animals (*e.g.*, horses, cattle). They should extend this practice to include improvements for habitat connectivity and wildlife movement.

Recommendation 7: Provide up-to-date guidance for best practices to improve climate-wise connectivity.

Caltrans' 2009 wildlife crossing guidance manual is outdated. Caltrans should be using the best available scientific information to preserve or improve habitat connectivity for multiple species, including small, medium, and large mammals, amphibians, reptiles, birds, fish, and invertebrates. Guidance should adequately reflect the ecological and behavioral needs of target species as well as climate change adaptations. As mentioned previously, strategic partnerships with connectivity experts from various agencies, institutions, and organizations could inform best practices to preserve, enhance, and restore wildlife connectivity. In addition, information from previous mitigation strategies, including those conducted within California as well as in other states (*e.g.*, Dodd et al. 2012, CDOT 2017) should provide insight on how to design the most effective wildlife crossing infrastructure. Caltrans should facilitate best practices by updating their wildlife crossing guidance manual to reflect the best available scientific information regarding wildlife connectivity. Guidance should incorporate lessons learned and areas in need of improvement based on previous projects and mitigation measures.

Recommendation 8: Engage with volunteer and community scientists and platforms.

Using data collected by community and volunteer scientists can be a cost-effective way to acquire reliable data needed to identify general patterns and conservation needs across large

biogeographical spatial scales (Devictor et al. 2010). Thus, using community science can help in identifying high-risk areas for wildlife connectivity and driver safety (Olson et al. 2014, Waetjen and Shilling 2017, Periquet et al. 2018), as evidenced by the studies from the Road Ecology Center (Shilling et al. 2017, 2018). Caltrans should work with community science platforms like the California Roadkill Observation System, iNaturalist, or other mobile applications to incorporate additional data into their database that can be included in their analyses.

Recommendation 9: Improve multimodal transportation design.

According to Caltrans, Californians seek more opportunities for walking, biking, or using public transit (Caltrans 2016). Yet Caltrans continues to focus most of their efforts on building and expanding more roads to accommodate (and facilitate) more cars. According to a 2017 analysis by INRIX, Los Angeles and San Francisco are two of the three most congested cities in the US, and at #1, Los Angeles residents spend over 100 hours a year stuck in traffic, which is estimated to cost the city's economy over \$19 billion (McCarthy 2018). Long commutes cause increased stress levels and leave little to no time to exercise or spend time with families or communities, which can lead to mental and physical health impacts, reduced quality of life, and shorter life spans (Leyden et al. 2003, Frumkin et al. 2004, Ewing et al. 2008). In addition, emissions from road transportation contribute to poor air quality that can lead to serious health effects, including respiratory and cardiovascular disease, compromised birth outcomes, and premature death (Anderson et al. 2011, Lin et al. 2012, Caiazzo et al. 2013, Chen et al. 2017). A recent study found that emissions from road transportation cause 53,000 premature deaths annually in the US, and California has about 12,000 early deaths every year due to air pollution from road transportation and commercial/residential sources (Caiazzo et al. 2013). Thus, Caltrans has a responsibility to make roads and other transportation infrastructure safer for drivers and communities where there are roads. Major cities around the world are acknowledging the detrimental effects of roads and traffic on people, and they are shifting their land use design focus from cars to human health and well-being (Conniff 2018). By reducing the amount of new roads and implementing design oriented towards pedestrians, cyclists, and transit instead of cars, Caltrans can (and should) create transportation infrastructure that improves public health and safety and preserves wildlife connectivity.

Recommendation 10: Allocate more funding to prioritize wildlife connectivity.

Wildlife connectivity is already severely impaired by over 400,000 road miles in California (FHWA 2017). Caltrans should prioritize restoring connectivity on existing roads by funding studies on how to improve connectivity and funding action towards reestablishing habitat connections. Although Caltrans is the lead agency for the Liberty Canyon Wildlife Connectivity Project, the first constructed wildlife overpass in California (Caltrans 2018d), unless funding is secured the project cannot be completed. Caltrans should not rely solely on outside sources to implement needed connectivity mitigation on roads they are managing. They should allocate more of their own funding to connectivity projects like Liberty Canyon to effectively restore wildlife connectivity.

V. CONCLUSION

California is a biodiversity hotspot with many endemic species and unique habitats. The health of these ecosystems and human well-being are intertwined, and they intersect on California's roads. Thus, to preserve healthy ecosystems and keep people safe as human populations continue to increase and climate change progresses, Caltrans has a responsibility to design and implement transportation infrastructure that facilitates climate-wise wildlife movement and habitat connectivity.

Thank you for the opportunity to submit comments on the California Transportation Plan 2050. Please add the Center to your notice list for all future updates to the California Transportation Plan 2050. We look forward to working to assure that Caltrans integrates climate-wise wildlife movement and habitat connectivity into California's transportation infrastructure design to safeguard the health and safety of both people and the natural environment. Please do not hesitate to contact the Center with any questions at the number or email listed below.

Sincerely,



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Appendices
Cited References

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(provided on CD via FedEx)

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APPENDICES

File	Description	Attached	Provided on CD
	APPENDIX 1		
A1.1	Center for Biological Diversity PRA dated Aug 9, 2018	x	
A1.2	Caltrans PRA Response dated Sept 14, 2018	x	
A1.3	Caltrans carcass removal data (excel spreadsheet)		x
A1.4	Caltrans animal crash data 2010-2017 Summary	x	
A1.5	Caltrans animal crash data 2010-2017 Detail		x
A1.6	zip drive of Caltrans culverts		x
A1.7	zip drive of Caltrans culverts		x
A1.8	Caltrans animal crash data key		x
	APPENDIX 2		
A2.1	Contract between Caltrans and Western Transport Institute (WTI) dated May 26, 2017	x	
A2.2	WTI summary report on Caltrans carcass data 2001-2009	x	
A2.3	WTI summary report on Caltrans animal crash data 2005-2014	x	
A2.4	Caltrans animal crash data 2005-2014	x	
A2.5	WTI - Caltrans animal crash data 2005-2014		x
A2.6	WTI - Caltrans animal crash data key		x

APPENDIX A1.1



August 9, 2018

Via U.S. Mail and Email:

Marcy Freer
Public Records Officer
Office of the General Counsel
Caltrans
1120 N Street
Sacramento, California 95814
marcy.freer@dot.ca.gov

Re: California Public Records Act Request: Caltrans Wildlife-Vehicle Collision Data, Dated July 5, 2018

Dear Ms. Freer:

On July 5, 2018, pursuant to the California Public Records Act, Government Code § 6250 *et seq.*, we requested any and all “public records” relating to wildlife vehicle collision data from all Caltrans Districts and Caltrans Headquarters, as follows:

1. Wildlife-vehicle-collision (roadkill carcass and vehicle collision) data from earliest date available to present from all Caltrans Districts and Caltrans Headquarters. This includes but is not limited to data within the Traffic Accident Surveillance and Analysis System (TASAS) and the Integrated Maintenance Management System (IMMS) databases, data maintained by Districts or Headquarters in Geographic Information Systems, and data from all Divisions and Offices or similar. Please include all data or reports relevant to wildlife-vehicle collisions or entities related to wildlife-vehicle collisions, including but not limited to data and reports from or to the California Department of Fish and Wildlife and the US Fish and Wildlife Service.
2. Electronic, GIS-compatible Point-Mile and Tenth Point-Mile highway-segment traffic volumes spatial datasets from 2010 to present for all state highways and existing, completed, and proposed wildlife crossings (e.g., maintained bridges/underpasses and culverts) spreadsheets and spatial datasets from 2010 to present for all state highways.

Per Government Code § 6253.9 we requested that the data be provided in the form of spreadsheets compatible with software analysis programs (e.g., xls or csv files) and spatial data compatible with ArcGIS (e.g., shapefiles). We also had asked that all files come with the appropriate metadata, including column heading descriptions for tabular data and code keys.

On July 12, 2018 we received roadkill data from IMMS in an Excel spreadsheet. Neither a code key nor heading descriptions were initially provided. We requested these on July 16, 2018, and received them on July 17, 2018. The data provided did not include any spatial data, nor did it provide appropriate resolution for spatial analysis.

On July 16, 2018 we received animal vehicle collision data from TASAS/TSN in the form of Word documents and text files. These data were not provided in a spreadsheet compatible with analysis programs, as requested, nor were they accompanied with the appropriate metadata. And again, no spatial data were provided. In addition, the response did not include any data regarding traffic volumes and wildlife crossings (item #2 in our original request). Yet according to Caltrans, our request was complete and the file was closed.

On July 26, 2018 we sent an email to Caltrans stating that we had not yet received all of the requested data and they had prematurely closed the file. We requested that the TASAS/TSN data be provided in an Excel or csv file, with a code key and header definitions. We also requested spatial data for both the IMMS and the TASAS/TSN data and the missing spatial data regarding traffic volumes and wildlife crossings. Caltrans responded on August 1, 2018, stating they could not provide the data in an Excel format. They resent a summary text file for the TASAS/TSN data, and they provided the following links to GIS data (not the specific GIS data requested):

- <http://www.dot.ca.gov/hq/tsip/gis/datalibrary/index.php>
- <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=11293df57acf40c99479aa9f466ce9ba>

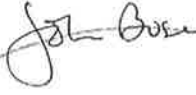
We are aware that the Western Transportation Institute (WTI) is working with Caltrans to conduct hotspot analyses for large mammal-vehicle collisions in California (https://westerntransportationinstitute.org/research_projects/hotspot-analyses-for-large-mammal-vehicle-collisions-in-california/), and data provided by Caltrans to WTI as well as any follow up data from WTI would fall within the scope of our request. Therefore, we expect those data to be provided in Caltrans' response. We respectfully request the contract between Caltrans and WTI for this project.

In summary, Caltrans has not fully responded to our request, and the file should not be closed. We will consider our initial PRA request complete once we receive the following:

1. Any and all carcass/roadkill data from IMMS, TASAS/TSN, or in standalone databases (GIS or otherwise) maintained by Caltrans Headquarters and individual districts (which should include, among other things, data provided to or by WTI).
 - a. Spreadsheets – csv or Excel files
 - b. Spatial data – GIS layers (*i.e.*, shapefiles)
 - c. Associated metadata for all files
2. Locations of current maintained bridges, underpasses, and culverts
 - a. Spatial data – GIS layers (*i.e.*, shapefiles)
 - b. Associated metadata for all files
3. Traffic volume data
 - a. Spatial data – GIS layers (*i.e.*, shapefiles)
 - b. Associated metadata for all files
4. Contract between Caltrans and WTI for the hotspot analysis project for large mammal-vehicle collisions in California

Thank you for time. We look forward to your response. If you have any questions or suggestions for facilitating this request, please email me at jbuse@biologicaldiversity.org or call me at (323) 533-4416. Thank you for your assistance.

Sincerely,



John Buse
Center for Biological Diversity
General Counsel, Legal Director
1212 Broadway Avenue, Suite 800
Oakland, CA 94612
Phone (323) 533-4416
jbuse@biologicaldiversity.org

APPENDIX A1.2

Dear Mr. Buse,

As your request is currently stated, not all records in Caltrans' possession are maintained or readily available in the specific format(s) that you have requested. Some divisions do own reporting systems that work with your requested formats, but not all. For any replies mentioned below that are not addressed in your specified format(s), please know that Caltrans does not produce those requested records in the requested format(s). Moreover, those requested electronic format(s) are not such that have been used by Caltrans to create copies of the subject records for its own use or for provision to other agencies.

We are providing to you, the most current records noted from those Caltrans divisions deemed appropriate to address this multi-faceted CPR A request. This letter summarizes what docs (or some links are provided below) are included. Some of the docs attached to the CPR A system are too large to read/open; therefore, we will also copy them onto a flash drive or disk to mail to you tomorrow. Your questions are below in bold black font; specific Caltrans divisions noted in blue font; their replies in black font referencing links or documents attached to this response.

1. Any and all carcass/roadkill data from IMMS, TASAS/TSN, or in standalone databases (GIS or otherwise) maintained by Caltrans Headquarters and individual districts (which should include, among other things, data provided to or by WTI):

a. Spreadsheets – csv or Excel files –

DRISI: Unfortunately, the TSN TSAR report is available only in pdf, text or doc format. Please see attached docs. It is not available in csv or Excel formats.

Division of Maintenance:

See attached Doc – 2018 Carcass CPR A; Sheet **1 contains 'Legend'; Sheet 2 contains 'Key'**.

b. Spatial data – GIS layers (i.e., shapefiles) –

DRISI: Currently there are no GIS layers for collision data in TSN.

c. Associated metadata for all files –

DRISI: TSN uses collision data from CHP's SWITRS database; see TSAR reference card.

2. Locations of current maintained bridges, underpasses, and culverts:

a. Spatial data – GIS layers (i.e., shapefiles) –

DRISI: See link to the Caltrans GIS Library – regarding bridges:

<http://www.dot.ca.gov/hq/tsip/gis/datalibrary/Metadata/Bridges.html>

Division of Maintenance:

See attachment(s) - Culverts data to June 2018; Bridges data Excel file - April 1, 2017

Also from [Structure, Maintenance & Investigations](#) – Bridges reporting: US.DOT-FHWA – 2017;

See - <https://www.fhwa.dot.gov/bridge/nbi/ascii.cfm>

b. Associated metadata for all files – captured within; no additional keys.

3. Traffic volume data:

a. Spatial data – GIS layers (i.e., shapefiles) –

DRISI: See link to the Caltrans GIS Library – regarding traffic volumes

<http://www.dot.ca.gov/hq/tsip/gis/datalibrary/Metadata/AADT.html>

Division of Traffic Operations:

See shapefiles Traffic Volumes (Vehicle and Truck) on [Caltrans GIS Data Library](#)

b. Associated metadata for all files – captured within; no additional keys.

4. Contract between Caltrans and WTI:

a. For the hotspot analysis project for large mammal-vehicle collisions in California –

Division of Environmental Services:

See attachment including seven (7) docs of reporting, and this link is provided for you here:

- GIS – Critical Habitat. See link in Data Basin for CH-Region 8. Select CA records within the downloaded file > <https://psw.databasin.org/datasets/0185da5b1b0048cebef752f26c241e99>
- Click on "view record" in link above and download the zip file that is lower on the linked page.

Denise Delaney
Division of Research, Innovation and System Information (DRISI)

APPENDIX A1.4

California Department of Transportation

OTM22215

TSAR - ACCIDENT SUMMARY

Policy controlling the use of Traffic Accident Surveillance and Analysis System (TASAS) - Transportation Systems Network (TSN) Reports

1. TASAS - TSN has officially replaced the TASAS - "Legacy" database.
2. Reports from TSN are to be used and interpreted by the California Department of Transportation (Caltra) officials or authorized representative.
3. Electronic versions of these reports may be emailed between Caltrans' employees only using the State computer system.
4. The contents of these reports shall be considered confidential and may be privileged pursuant to 23 U.S.C. Section 409, and are for the sole use of the intended recipient(s). Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Do not print, copy o

California Department of Transportation

OTM22215

TSAR - ACCIDENT SUMMARY

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

REPORT PARAMETERS:

REPORT DATE : 07/16/2018
 REFERENCE DATE : 07/16/2018

SUBMITTOR : TRBDOMSI

REPORT TITLE : ' Animal hits '
 EVENT ID : 4026444

LOCATION CRITERIA:

Statewide Report

SELECTION CRITERIA:

1 1 AND 600 - PARTY TYPE IN W,X,Z

Accidents Date Range:

From -- 01/01/2010 To -- 12/31/2017

OTM22215

Page#1

07/16/2018 TASAS SELECTIVE RECORD RETRIEVAL Event 402644
 08:14 AM TSAR - ACCIDENT SUMMARY ID
 ' Animal hits '

TOTAL	PERSONS		MOTOR VEHICLES INVOLVED				<---LINES CODED---		
ACCIDENTS	FATAL	INJURY	PDO	KILLED	INJURED	NUMBER	PCT	CODE	NUMBI
PCT CODE									
9087	25	1097	7965	30	1322				
					8871	97.6	1		3 0.0 1
					181	2.0	2		8851 97.4 2
					22	0.2	3		189 2.1 3
					7	0.1	>3		36 0.4 4
									4 0.0 5
									1 0.0 6
									3 0.0 7
									0 0.0 8
									0 0.0 9

<---- HOUR OF DAY ---->			<--- ACCESS CONTROL --->			<--- SIDE OF HIGHWAY --->		
NUMBER	PCT	CODE	NUMBER	PCT	CODE	NUMBER	PCT	CODE
306	3.4	00- 12 MID.	4220	46.4	C-CONVENTIONAL	2855	31.4	N-NORTHBOUND

269	3.0	01-	1 A.M.	1766	19.4	E-EXPRESSWAY	2803	30.8	S-SOUTHBOUND
265	2.9	02-	2 A.M.	3100	34.1	F-FREEWAY	1720	18.9	E-EASTBOUND
252	2.8	03-	3 A.M.	1	0.0	S-1-WAY CITY ST	1709	18.8	W-WESTBOUND
283	3.1	04-	4 A.M.	0	0.0	--INVALID DATA			
454	5.0	05-	5 A.M.	0	0.0	+--NO DATA			
513	5.6	06-	6 A.M.						
375	4.1	07-	7 A.M.						
355	3.9	08-	8 A.M.						
302	3.3	09-	9 A.M.						
287	3.2	10-	10 A.M.	<-----	YEAR	<-----	MONTH	<-----	DAY OF WEEK

>

234	2.6	11-	11 A.M.	NUMBER	PCT	CODE	NUMBER	PCT	CODE	NUMBER	PCT	CODE
175	1.9	12-	12 NOON									
162	1.8	13-	1 P.M.	0	0.0	2006	510	5.6	01-JANUARY	1415	15.6	1-SUNDAY
140	1.5	14-	2 P.M.	0	0.0	2007	416	4.6	02-FEBRUARY	1275	14.0	2-MONDAY
173	1.9	15-	3 P.M.	0	0.0	2008	420	4.6	03-MARCH	1265	13.9	3-TUESDAY
219	2.4	16-	4 P.M.	0	0.0	2009	604	6.6	04-APRIL	1222	13.4	4-WEDNESDAY
456	5.0	17-	5 P.M.	972	10.7	2010	829	9.1	05-MAY	1243	13.7	5-THURSDAY
565	6.2	18-	6 P.M.	1056	11.6	2011	814	9.0	06-JUNE	1296	14.3	6-FRIDAY
617	6.8	19-	7 P.M.	1108	12.2	2012	828	9.1	07-JULY	1371	15.1	7-SATURDAY
909	10.0	20-	8 P.M.	1182	13.0	2013	772	8.5	08-AUGUST			
842	9.3	21-	9 P.M.	1102	12.1	2014	950	10.5	09-SEPTEMBER			
522	5.7	22-	10 P.M.	1172	12.9	2015	1152	12.7	10-OCTOBER			
402	4.4	23-	11 P.M.	1229	13.5	2016	1119	12.3	11-NOVEMBER			
10	0.1	25-	UNKNOWN	1266	13.9	2017	673	7.4	12-DECEMBER			

OTM22215

Page#2

07/16/2018	TASAS SELECTIVE RECORD RETRIEVAL	Event	402644
08:14 AM	TSAR - ACCIDENT SUMMARY	ID	
	' Animal hits '		

<-- PRIMARY COLLISION FACTOR -->	<--- TYPE OF COLLISION --->	<--- ROADWAY
CONDITION --->		
NUMBER PCT CODE	NUMBER PCT CODE	NUMBER PCT CODE
18 0.2 1-INFLUENCE ALCOHOL		
5 0.1 2-FOLLOW TOO CLOSE	101 1.1 A-HEAD-ON	8 0.1 A-HOLES, RUTS
4 0.0 3-FAILURE TO YIELD	31 0.3 B-SIDESWIPE	1 0.0 B-LOOSE MATERIAL
110 1.2 4-IMPROPER TURN	20 0.2 C-REAR END	87 1.0 C-OBSTRUCTION ON
ROA		
333 3.7 5-SPEEDING	109 1.2 D-BROADSIDE	49 0.5 D-CONSTRUCT-REPAIR-
ZONE		
39 0.4 6-OTHER VIOLATIONS	2984 32.8 E-HIT OBJECT	0 0.0 E-REDUCED ROAD
WIDTH		
2 0.0 B-IMPROPER DRIVING	40 0.4 F-OVERTURN	0 0.0 F-FLOODED
8469 93.2 C-OTHER THAN DRIVER	13 0.1 G-AUTO-PEDESTRIAN	24 0.3 G-OTHER
34 0.4 D-UNKNOWN	5750 63.3 H-OTHER	8882 97.7 H-NO UNUSUAL
CONDITION		
0 0.0 E-FELL SLEEP	39 0.4 <-NOT STATED	36 0.4 <-NOT STATED
73 0.8 <-NOT STATED	0 0.0 -INVALID CODES	0 0.0 -INVALID CODES
0 0.0 -INVALID CODES		

<----- WEATHER ----->			<----- LIGHTING ----->			<----- ROAD SURFACE ----->		
NUMBER	PCT	CODE	NUMBER	PCT	CODE	NUMBER	PCT	CODE
7243	79.7	A-CLEAR	2964	32.6	A-DAY LIGHT	8469	93.2	A-DRY
1469	16.2	B-CLOUDY	564	6.2	B-DUSK/DAWN	576	6.3	B-WET
218	2.4	C-RAINING	670	7.4	C-DARK-STREET LIGHT	9	0.1	C-SNOWY, ICY
10	0.1	D-SNOWING	4820	53.0	D-DARK-NO STREET LIGHT	0	0.0	D-SLIPPERY
101	1.1	E-FOG	38	0.4	E-DARK-INOPR STREET LIGHT	33	0.4	<-NOT STATED
6	0.1	F-OTHER	0	0.0	F-DARK-NOT STATED	0	0.0	-INVALID CODE
1	0.0	G-WIND	31	0.3	<-NOT STATED			
39	0.4	<-NOT STATED	0	0.0	-INVALID CODES			
0	0.0	-INVALID CODES						

<----- RIGHT OF WAY CONTROL ----->			<----- HIGHWAY GROUP ----->			<----- INTERSECTION/RAMP ACCIDENT LOCATION ----->		
NUMBER	PCT	CODE	NUMBER	PCT	CODE	NUMBER	PCT	CODE
326	3.6	A-CONTROL FUNCTIONING INTERSECTION (EXIT)	119	1.3	R-IND. ALIGN RIGHT	5	0.1	1-RAMP
2	0.0	B-CONTROL NOT FUNCTIONING	122	1.3	L-IND. ALIGN LEFT	129	1.4	2-RAMP
2	0.0	C-CONTROLS OBSCURED	4397	48.4	D-DIVIDED	7	0.1	3-RAMP ENTRY
8735	96.1	D-NO CONTROLS PRESENT INTERSECTION	4449	49.0	U-UNDIVIDED	11	0.1	4-RAMP AREA
22	0.2	<-NOT STATED	66	0.7	5-IN INTERSECTION			
0	0.0	-INVALID CODES	9	0.1	6-OUTSIDE INTRSCCT-NONSTATE			
			8860	97.5	--DOES NOT APPLY			

OTM22215

Page#3

07/16/2018 08:14 AM	TASAS SELECTIVE RECORD RETRIEVAL TSAR - PARTY SUMMARY ' Animal hits '	ID	Event 402644
------------------------	---	----	--------------

<----- PARTY TYPE ----->		<- MOVEMENT PRECEDING COLLISION ->				<----- OTHER ASSOCIATED FACTORS ----->	
NUMBER	PCT	CODE	NUMBER	PCT	CODE	NUMBER	PCT
6999	77.0	A-PASNGR CAR/STA WAGON	31	0.3	A-STOPPED	3	0.0
11	0.1	B-PASNGR CAR W/TRAILER	8773	96.5	B-PROCEDED STRAIGHT	6	0.1
398	4.4	C-MOTORCYCLE	46	0.5	C-RAN OFF ROAD	0	0.0

1000	11.0	D-PICKUP/PANEL TRUCK IMPROPER TURN	4	0.0	D-MAKING RIGHT TURN	20	0.2	0	0.0	4-	
52	0.6	E-PICKUP/PANEL W/TRAILER SPEEDING	3	0.0	E-MAKING LEFT TURN	28	0.3	0	0.0	5-	
40	0.4	F-TRUCK/TRUCK TRACTOR VIOLATIONS	0	0.0	F-MAKING U TURN	14	0.2	0	0.0	6-OTHER	
185	2.0	G-TRUCK/TRACTOR & 1 TRAILER PHONE* (INATTN)	0	0.0	G-BACKING	28	0.3	0	0.0	A-CELL	
21	0.2	2-TRUCK/TRACTOR & 2 TRAILER ELECTRC EQUIP*(INATTN)	149	1.6	H-SLOWING, STOPPING	0	0.0	0	0.0	B-	
0	0.0	3-TRUCK/TRACTOR & 3 TRAILER RADIO/CD/HDPHN*(INATTN)	13	0.1	I-PASS OTHER VEHICLE	0	0.0	0	0.0	C-	
0	0.0	4-SINGLE UNIT TANKER (INATTN)	39	0.4	J-CHANGING LANES	0	0.0	0	0.0	D-SMOKIN	
2	0.0	5-TRUCK/TRA & 1 TANK TRALR OBSCUREMENT	0	0.0	K-PARKING	10	0.1	0	0.0	E-VISION	
2	0.0	6-TRUCK/TRA & 2 TANK TRALR INATTENTION - OTHER	1	0.0	L-ENTER FROM SHLDR	15	0.2	0	0.0	F-	
12	0.1	H-SCHOOL BUS TRAFFIC	34	0.4	M-OTHER UNSAFE TURN	2	0.0	0	0.0	G-STOP & C	
22	0.2	I-OTHER BUS RAMP	13	0.1	N-CROSS INTO OPP LN	26	0.3	3	0.0	H-ENTER/LEAV	
377	4.1	J-EMERGENCY VEHICLE COLLISION	4	0.0	O-PARKED	45	0.5	1	0.0	I-PREVIOUS	
0	0.0	K-HIGHWAY CONST EQUIP.** WITH ROAD	2	0.0	P-MERGING	3	0.0	0	0.0	J-UNFAMILIA	
3	0.0	L-BICYCLE VEHICLE EQUIP	0	0.0	Q-TRAVEL WRONG WAY	0	0.0	0	0.0	K-DEFECT	
44	0.5	M-OTHER-MOTOR VEH VEHICLE	40	0.4	R-OTHER	11	0.1	0	0.0	L-UNINVOLVEI	
11	0.1	N-OTHER-NON-MOTOR VEH	31	0.3	<-NOT STATED	38	0.4	2	0.0	M-OTHER	
1	0.0	O-SPILLED LOADS			8864	97.5	15	0.2	N-NONE APPARENT		
2	0.0	P-DISENGAGED TOW			1	0.0	0	0.0	P-WIND		
0	0.0	Q-UNINVOLVED VEHICLE ACCIDENT			PEDESTRIAN	0	0.0	0	0.0	R-RAMP	
0	0.0	R-MOPED			14	0.2	0	0.0	S-RUNAWAY VEHICLE		
0	0.0	T-TRAIN	1	0.0	2- XING XWALK - INTRST	0	0.0	0	0.0	T-EATING* (INATTN)	
17	0.2	U-PEDESTRIAN (INATTN)	0	0.0	3- XING XWALK - NOT INTR	0	0.0	0	0.0	U-CHILDREN	
1	0.0	V-DISMOUNT PEDESTRIAN ANIMALS* (INATTN)	3	0.0	4- XING NOT XWALK	0	0.0	0	0.0	V-	
826	9.1	W-ANIMAL - LIVESTOCK PERSNL HYGIENE*(INATTN)	9	0.1	5- ROADWAY - INCL SHLDR	0	0.0	0	0.0	W-	
6096	67.1	X-ANIMAL - DEER (INATTN)	0	0.0	6- NOT IN ROADWAY	0	0.0	0	0.0	X-READING*	
2165	23.8	Z-ANIMAL - OTHER STATED	0	0.0	7- APRH-LEAVE SCHL BUS	9069	99.8	9087	100.0	<-NOT STATED	
		1244	13.7	- INVALID CODES			1	0.0	1	0.0	--DOES NOT APPLY

<---- DIRECTION OF TRAVEL ---->
 CODES EFF. 01-01-01

<---- SPECIAL INFORMATION ---->

* INATTENTION

NUMBER PCT CODE

NUMBER PCT CODE

2873	31.6	N-N, NE, NW BOUND	2	0.0	A-HAZARDOUS MATERIALS
2847	31.3	S-S, SE, SW BOUND	81	0.9	B-CELL PHONE IN USE*
1722	19.0	E-EASTBOUND	8921	98.2	C-CELL PHONE NOT IN USE*
1717	18.9	W-WESTBOUND	2	0.0	D-CELL PHONE NONE/UNKNOWN*
9076	99.9	<-NOT STATED	9064	99.7	<-NOT STATED
0	0.0	--DOES NOT APPLY	10	0.1	--DOES NOT APPLY
0	0.0	-INVALID CODES	0	0.0	-INVALID CODES

* SPECIAL INFORMATION CODES EFF. 04-01-01

** INCLUDES EQUIPMENT ENGAGED IN
CONST/MAINT ACTIVITIES AS OF
00-02-22
OTM22215

Page#4

07/16/2018 TASAS SELECTIVE RECORD RETRIEVAL Event 402644
08:14 AM TSAR - PARTY SUMMARY ID
' Animal hits '

<----- OBJECT STRUCK ----->

<----- LOCATION OF COLLISION ----->

PRIMARY				OTHERS				LOCATION OF COLLISION									
NUMBER		PCT		NUMBER		PCT		NUMBER		PCT		NUMBER		PCT			
1	0.0	7	0.1	01-SIDE OF BRIDGE RAILING								5	0.1	10	0.1	A-BEYOND MEDIAN OR	
0	0.0	0	0.0	02-END OF BRIDGE RAILING													
STRIPE-LEFT																	
0	0.0	0	0.0	03-PIER, COLUMN, ABUTMENT								38	0.4	135	1.5	B-BEYOND SHLDER	
DRIVERS LEFT																	
0	0.0	0	0.0	04-BOTTOM OF STRUCTURE								5	0.1	3	0.0	C-LEFT SHOULDER AREA	
0	0.0	0	0.0	05-BRIDGE END POST IN GORE								1972	21.7	109	1.2	D-LEFT LANE	
2	0.0	5	0.1	06-END OF GUARD RAIL								569	6.3	38	0.4	E-INTERIOR LANES	
0	0.0	0	0.0	07-BRIDGE APPROACH GUARD RAIL								6392	70.3	399	4.4	F-RIGHT LANE	
0	0.0	2	0.0	10-LIGHT OR SIGNAL POLE								15	0.2	25	0.3	G-RIGHT SHOULDER AREA	
1	0.0	5	0.1	11-UTILITY POLE								58	0.6	259	2.9	H-BEYOND SHLDER DRIVERS	
RIGHT																	
1	0.0	3	0.0	12-POLE (TYPE NOT STATED)								1	0.0	0	0.0	I-GORE AREA	
6	0.1	24	0.3	13-TRAFFIC SIGN/SIGN POST								9	0.1	0	0.0	J-OTHER	
0	0.0	0	0.0	14-OTHER SIGNS NOT TRAFFIC								25	0.3	6	0.1	V-HOV LANE(S)	
4	0.0	29	0.3	15-GUARDRAIL								1	0.0	0	0.0	W-HOV LANE BUFFER AREA	
9	0.1	43	0.5	16-MEDIAN BARRIER								1182	13.0	18	0.2	<-NOT STATED	
0	0.0	3	0.0	17-WALL (EXCEPT SOUND WALL)								7793	85.8	9087	100.0	--DOES NOT APPL'	
3	0.0	14	0.2	18-DIKE OR CURB								0	0.0	0	0.0	-INVALID CODES	
0	0.0	0	0.2	19-TRAFFIC ISLAND													
0	0.0	0	0.0	20-RAISED BARS													
0	0.0	2	0.0	21-CONCRETE OBJ (HDWL, D.I.)													
1	0.0	19	0.2	22-GUIDEPOST, CULVERT, PM													
9	0.1	50	0.6	23-CUT SLOPE OR EMBANKMENT													
12	0.1	62	0.7	24-OVER EMBANKMENT													
0	0.0	3	0.0	25-IN WATER													
5	0.1	20	0.2	26-DRAINAGE DITCH													
6	0.1	52	0.6	27-FENCE													
3	0.0	50	0.6	28-TREES													
2	0.0	11	0.1	29-PLANTS								8897	97.9	0	0.0	A-HAD NOT BEEN DRINKING	
0	0.0	0	0.0	30-SOUND WALL								32	0.4	0	0.0	B-HBD - UNDER INFLUENCE	

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

1	0.0	0	0.0	40-NATURAL MATRL ON ROAD	33	0.4	0	0.0	C-HBD - NOT UNDER
INFLUENCE									
1	0.0	1	0.0	41-TEMP BARRICADES, CONES	11	0.1	0	0.0	D-HBD - IMPAIRMENT
UNKNOWN									
2	0.0	3	0.0	42-OTHER OBJECT ON ROAD	0	0.0	6	0.1	E-UNDER DRUG INFLUEN
6	0.1	17	0.2	43-OTHER OBJECT OFF ROAD	0	0.0	1	0.0	F-OTHER PHYSICAL
IMPAIRMENT									
22	0.2	461	5.1	44-OVERTURNED	106	1.2	0	0.0	G-IMPAIRMENT NOT KNOWN
0	0.0	0	0.0	45-CRASH CUSHION (SAND)	23	0.3	0	0.0	H-NOT APPLICABLE
0	0.0	1	0.0	46-CRASH CUSHION (OTHER)	0	0.0	3	0.0	I-FATIGUE
1	0.0	1	0.0	51-CALL BOX	9068	99.8	9086	100.0	< NOT STATED
0	0.0	1	0.0	98-UNKNOWN OBJECT STRUCK	0	0.0	0	0.0	--DOES NOT APPLY
4	0.0	3	0.0	99- NO OBJECT INVOLVED	0	0.0	0	0.0	-INVALID CODES
8986	98.9	218	2.4	V1 THRU V9 VEHICLE 1 TO 9					
2	0.0	1	0.0	<< NOT STATED					
2243	24.7	9087	100.0	-- DOES NOT APPLY					
0	0.0	0	0.0	- INVALID CODES					

APPENDIX A2.1

AGREEMENT NUMBER 43A0359
REGISTRATION DATE

- This Agreement is entered into between the State Agency and the Contractor named below:

STATE AGENCY'S NAME
California Department of Transportation (Caltrans)
CONTRACTOR'S NAME
Montana State University, Western Transportation Institute (WTI or Contractor)
- The term of this Agreement is: **June 1, 2017** through **December 31, 2018**
upon DGS approval, whichever is later
- The maximum amount of this Agreement is: **\$250,000.00**
Two Hundred Fifty Thousand Dollars and Zero Cents
- The parties agree to comply with the terms and conditions of the following exhibits which are by this reference made a part of the agreement.

Exhibit A – Scope of Work	1 Page
Exhibit B – Budget Detail and Payment Provisions	3 Pages
Exhibit C* – General Terms and Conditions, GTC 04/2017	On line
Exhibit D - Special Terms and Conditions	7 Pages
Exhibit E - Additional Provisions	2 Pages
Attachment 1 – Cost Proposal	13 Pages

Items shown with an Asterisk (*), are hereby incorporated by reference and made part of this agreement as if attached hereto. These documents can be viewed at <http://www.dgs.ca.gov/ols/Resources/StandardContractLanguage.aspx>.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR		California Department of General Services Use Only <div style="border: 2px solid blue; padding: 5px; text-align:center; color:blue; font-weight:bold;"> APPROVED MAY 26 2017 </div> OFFICE OF LEGAL SERVICES DEPT. OF GENERAL SERVICES <input type="checkbox"/> Exempt
CONTRACTOR'S NAME (if other than an individual, state whether a corporation, partnership, etc.) Montana State University, Western Transportation Institute		
BY (Authorized Signature) 	DATE SIGNED (Day/Mo/Year) 6/17/2017	
PRINTED NAME AND TITLE OF PERSON SIGNING LESLIE L. SCHMIDT Assistant Vice President for Research Office of Sponsored Programs Montana State University P.O. Box 172470 Bozeman, MT 59717-2470		
STATE OF CALIFORNIA		
AGENCY NAME California Department of Transportation		
BY (Authorized Signature) 	DATE SIGNED (Day/Mo/Year) 6/17/2017	
PRINTED NAME AND TITLE OF PERSON SIGNING Kathleen Stonetakai, Contract Officer		
ADDRESS Division of Procurement and Contracts 1727 30 th Street, MS 65 Sacramento, CA 95816		

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

EXHIBIT A
Out of State University (State Funds) Agreement

SCOPE OF WORK

1. The work to be performed under this Agreement shall be in accordance with the Contractor's Technical Proposal entitled *Hotspot Analyses for Large Mammal-Vehicle Collisions in California*, dated January 15, 2017, **Attachment 1**, and the Scope of Work in this Agreement. The proposal is attached hereto and incorporated by reference. If there is any conflict between the Contractor's Technical and Cost Proposals, and provisions in the **STD 213 Agreement**, including **Exhibits A, B, C, D and E**, and **Attachments 1** to this Agreement, the latter will prevail over **Attachments 1**.
2. The services shall be performed at Western Transportation Institute at Montana State University.
3. Subcontracting is not permitted under this Agreement. All references to subcontracting or subcontractors as found herein are not applicable to this Agreement.
4. This Agreement will commence on the start date **June 1, 2017** as presented herein or upon approval by Department of General Services (DGS), whichever is later and no work shall begin before that time. This Agreement is of no effect unless approved by DGS. The Contractor shall not receive payment for work performed prior to approval of the Agreement and before receipt of notice to proceed by the Contract Manager. This Agreement shall expire on **December 31, 2018**. The services shall be provided during. The parties may amend this agreement as permitted by law.
5. All inquiries during the term of this Agreement will be directed to the project representatives listed below:

Department of Transportation	Contractor: Montana State University, Western Transportation Institute
Section/Unit: Biology	Section/Unit: Road Ecology
Contract Manager: James Henke	Project Manager: Marcel Huijser
Address: 1120 N Street Sacramento, CA 95814	Address: P.O. Box 172470 Bozeman, MT 59717
Phone Number: (916) 653-6121	Phone Number: (406) 543-2377
Email: James.Henke.Jr@dot.ca.gov	Email: mhuijser@montana.edu

The project representatives during the term of this Agreement may be changed by advance written notice without the necessity of an amendment to the Agreement.

EXHIBIT B

Out of State University (State Funds) Agreement

BUDGET DETAIL AND PAYMENT PROVISIONS

1. Invoicing and Payment

- A. For services satisfactorily rendered and approved by the Caltrans' Contract Manager, and upon receipt and approval of the invoices, Caltrans agrees to compensate the Contractor in accordance with the **Cost Proposal, Attachment 1**, or appropriate section in **Exhibit B**. Incomplete or disputed invoices shall be returned to the Contractor, unpaid, for correction.
- B. Invoices shall include the Agreement Number and shall be submitted in triplicate not more frequently than monthly in arrears to:

Department of Transportation
Division of Environmental Analysis
Office of Biological Studies
Attention: James Henke, Contract Manager
1120 N Street, MS 27
Sacramento, CA 95814

- C. Invoices shall be itemized in accordance with the **Cost Proposal, Attachment 1**, and include supporting documentation for materials and supplies.

2. Budget Contingency Clause

- A. It is mutually understood between the parties that this Agreement may have been written before ascertaining the availability of congressional or legislative appropriation of funds, for the mutual benefit of both parties in order to avoid program and fiscal delays that would occur if the Agreement were executed after that determination was made.
- B. This Agreement is valid and enforceable only if sufficient funds are made available to Caltrans by the United States Government or the California State Legislature for the purpose of this program. In addition, this Agreement is subject to any additional restrictions, limitations, conditions, or any statute enacted by the Congress or the State Legislature that may affect the provisions, terms or funding of this Agreement in any manner.
- C. It is mutually agreed that if the Congress or the California State Legislature does not appropriate sufficient funds for the program, this Agreement shall be amended to reflect any reduction in funds.
- D. Caltrans has the option to terminate the Agreement under the thirty (30) day termination clause or to amend the Agreement to reflect any reduction of funds.

3. Prompt Payment Clause

Payment will be made in accordance with, and within the time specified in, Government Code (GC) Chapter 4.5, commencing with Section 927.

4. Rates

- A. Rates for these services may be found on **Attachment 1** of this document.

EXHIBIT B

Out of State University (State Funds) Agreement

- B. If the Contractor has not entered into an Agreement with a Federal Agency and therefore is not bound by that Federal Agency's negotiated rates, the basis for determining overhead and indirect costs shall be based upon the cost principles as outlined in **Attachment 1**

5. Allowable Costs and Payments

- A. The method of payment for this Agreement will be based on actual costs. There will be no fixed fee as Montana State University Western Transportation Institute is a non-profit organization. Wages and fringe benefits will be reimbursed at actual costs. Actual costs shall not exceed the estimated wage rates and other estimated costs set forth in the Contractor's **Cost Proposal, Attachment 1**, without prior written agreement between Caltrans and the Contractor.
- B. The Contractor will be reimbursed for direct costs, other than salary costs that are identified in the Contractor's **Cost Proposal, Attachment 1**.
- C. Contractor will bill in arrears for costs incurred during the billing period. If applicable, salary costs will be itemized and billed by position classification. Documentation supporting specific salary costs will be presented if requested by Caltrans. Non-wage costs will be billed, in summary, according to general expense categories. A detailed report of transactions will support the billing. Individual expenditures exceeding five hundred dollars (\$500.00) will be supported a photocopy of the original documentation. Documentation in support of expenditures less than five hundred dollars (\$500.00) will be presented if requested by Caltrans.
- D. Transportation and subsistence costs shall not exceed rates authorized to be paid non-represented state employees under current California Department of Human Resources rules. Travel and subsistence information can be found at the following website:
<http://www.dot.ca.gov/hq/asc/travel/>
- E. The total amount payable by Caltrans shall not exceed **\$250,000.00**.
- F. The Contractor shall not commence performance of work or services until this Agreement has been approved by Caltrans. No payment will be made prior to approval nor for any work performed prior to approval of this Agreement.

EXHIBIT B

Out of State University (State Funds) Agreement

6. Cost Principles

- A. The Contractor agrees that the Contract Cost Principles and Procedures in 48 CFR, Part 31, and the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, in 2 CFR, Part 200, shall be used to determine the allowable individual items of cost.
- B. Any costs for which payment has been made to the Contractor that are determined by subsequent audit to be unallowable under 48 CFR, Part 31 or 2 CFR, Part 200, are subject to repayment by Contractor to Caltrans.
- C. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this Section.

7. Excise Tax

The State of California is exempt from federal excise taxes, and no payment will be made for any taxes levied on employees' wages. Caltrans will pay for any applicable State of California or local sales or use taxes on the services rendered or equipment or parts supplied pursuant to this Agreement. Caltrans may pay any applicable sales and use tax imposed by another state.

EXHIBIT D

Out of State University (State Funds) Agreement

SPECIAL TERMS AND CONDITIONS

1. Settlement of Disputes

- A. Any dispute concerning a question of fact arising under this Agreement that is not disposed of by agreement shall be decided by the Contract Officer, who may consider any written or verbal evidence submitted by the Contractor. The decision of the Contract Officer, issued in writing, shall be conclusive and binding on both parties to the Agreement on all questions of fact considered and determined by the Contract Officer.
- B. Neither the pendency of a dispute nor its consideration by the Contract Officer will excuse the Contractor from full and timely performance in accordance with the terms of the Agreement.

2. Evaluation of Contractor

Performance of the Contractor under this Agreement will be evaluated. The evaluation shall be prepared on Contract/Contractor Evaluation Sheet, STD 4, and maintained in the Office file, and DGS, Office of Legal Services, if it is negative and over \$5,000.

3. Subcontractors

The contractor shall perform the work contemplated with resources available within its own organization and no portion of the work shall be subcontracted.

4. Contractor's Reports and/or Meetings

- A. The Contractor shall submit progress reports on a quarterly basis to allow the Caltrans' Contract Manager to determine if the Contractor is performing to expectations or is on schedule, to provide communication of interim findings and to afford occasions for airing difficulties or special problems encountered so that remedies can be developed.
- B. The Contractor shall meet with the Caltrans' Contract Manager as needed to discuss progress on the Agreement.
- C. Prior to completion of the Agreement, the Contractor shall hold a final meeting with the Caltrans' Contract Manager to present findings, conclusions and recommendations and shall submit a comprehensive final report on the project.
- D. Montana State University Western Transportation Institute will furnish Caltrans with a draft final report and a final report detailing the work performed in **Technical Proposal, Attachment 1** as follows:
 - 1. Five (5) copies of the draft final report shall be submitted to Caltrans for review and comment. Caltrans is allowed sixty (60) days for review and comment.
 - 2. Seventy (70) copies of the final report shall be submitted to Caltrans. At least ten (10) copies shall be submitted in hard-bound format and sixty (60) copies shall be placed on CD-ROM disks using standard PDF format.
- E. Any document or written report prepared as a requirement of this Contract shall contain, in a separate section preceding the main body of the document, a list of all Contracts and subcontracts (including

EXHIBIT D

Out of State University (State Funds) Agreement

dollar amounts) relating to the preparation of those documents or reports if the combined costs for work by non-employees of the Contractor exceed \$5,000.

5. Publication

- A. The Contractor shall not copyright any deliverable(s) developed and funded under this Agreement.
- B. The Contractor shall have the right to publish any and all information, conclusions and developments (except that which is designated as CONFIDENTIAL by the State) resulting from work conducted under this Agreement.
- C. Any publication by Contractor shall give proper credit to the State. All publications shall bear an appropriate inscription acknowledging the State's copyright ownership to the Work and Deliverable(s) (including but not limited to, all reports, design materials, advertisements, training materials, writings, articles, computer programs, inventions and any documentation related to the Agreement) consisting of a "c" in a circle followed by the four-digit year in which the Work or Deliverable was produced, followed by the words "California Department of Transportation. All rights reserved."
- D. The Contractor shall submit to the State any materials released for publication simultaneously with submission to the publisher for the purpose of comment and review by the State with respect to the presence of patentable, confidential and/or proprietary subject matter within the materials released for publication.
- E. The State will take all reasonable steps to have United States Patent Applications, or other appropriate protection of intellectual property, filed prior to the time the information, conclusions or developments are published or otherwise made available to the public.
- F. The Contractor agrees to keep confidential any proprietary information supplied to it by the State during the course of the Agreement and designated in writing as "CONFIDENTIAL". Such information will not be included in any published material without the prior written approval of the parties.
- G. All publications shall contain the following disclaimer in a separate section preceding the main body of the document.

"The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This publication does not constitute a standard, specification or regulation."

6. Ownership of Proprietary Property:

- A. For the purposes of this section (**Ownership of Proprietary Property**), the following definitions shall apply:
- B. **Work:** As delineated in **Exhibit A (Scope of Work)** of the Agreement and **Attachment 1, Cost Proposal**.

EXHIBIT D

Out of State University (State Funds) Agreement

- C. **Work Product:** As defined as Deliverables in **Attachment 1** and **Exhibit A** of the Agreement including but not limited to, all Work and Deliverables conceived or made, or made hereafter conceived or made, either solely or jointly with others during the term of this Agreement and during a period of six (6) months after the termination thereof, which relates to the Work commissioned or performed under this Agreement.
- D. **Inventions:** Any idea, methodologies, design, concept, technique, invention, discovery, improvement or development regardless of patentability made solely by the Contractor or jointly with the Contractor's subcontractor and/or the Contractor's subcontractor's employee's with one or more employees of Caltrans, during the term of this Agreement and in performance of any Work under this Agreement, provided that either the conception or reduction to practice thereof occurs during the term of this Agreement and in performance of Work issued under this Agreement.

E. **Ownership of Work Product and Rights:**

- 1) **Ownership of Work Product:** All Work Product derived by the Work performed by the Contractor, its employees or by any of the Contractor's subcontractor's employees under this Agreement, shall be owned by Caltrans and shall be considered works made for hire by the Contractor's subcontractor for Caltrans. Caltrans shall own all United States and international copyrights in the Work Product.

As such, all Work Product shall contain, in a conspicuous place, a copyright designation consisting of a "c" in a circle followed by the four-digit year in which the Work Product was produced, followed by the words "California Department of Transportation." For example, a Work Product created in the year 2003 would contain the copyright designation © 2003 California Department of Transportation.

- 2) **Vesting of Copyright Rights:** Contractor, its employees or any of Contractor's subcontractor's employees agrees to perpetually assign, and upon creation of each Work Product automatically assigns, to Caltrans, its successors and assigns, ownership of all United States and international copyrights in each and every Work Product, insofar as any such Work Product, by operation of law, may not be considered work made for hire by the Contractor's subcontractor from Caltrans. From time to time upon Caltrans request, the Contractor's subcontractor and/or its employees shall confirm such assignments by execution and delivery of such assignments, confirmations or assignment, or other written instruments as Caltrans may request. Caltrans, its successors and assigns, shall have the right to obtain and hold in its or their own name(s) all copyright registrations and other evidence of rights that may be available for Work Product. Contractor hereby agrees to waive all moral rights relating to identification of authorship restriction or limitation on use, or subsequent modifications of the Work.
- 3) **Avoidance of Infringement:** In performing services under this Agreement, Contractor and its employees agree to avoid designing or developing any items that infringe one or more patents or other intellectual property rights of any third party. If Contractor or its employees becomes aware of any such possible infringement in the course of performing any work under this Agreement, Contractor or its employees shall immediately notify Caltrans in writing.

EXHIBIT D

Out of State University (State Funds) Agreement

4) **Confidentiality and Information:** Caltrans may provide its own intellectual property, confidential business and technical information to the Contractor in connection with the work to be performed by the Contractor under this Agreement. Such intellectual property and information shall be designated as confidential upon or prior to disclosure by Caltrans. In addition, the preparation and specifications of the deliverables shall in all instances be treated as confidential, unless and until disclosed publically by Caltrans. All confidential written materials shall be marked with the legend "California Department of Transportation-Confidential." The Contractor shall use its best efforts to prohibit any use or disclosure of Caltrans' confidential information, except as necessary to perform work under this Agreement. In the event that Contractor is an entity or otherwise will be causing individuals in its employ or under its supervision to participate in the rendering of the work, Contractor warrants that it shall cause each of such individuals to execute a Confidentiality Agreement.

5) **Additional Conditions**

SUBCONTRACTORS: Contractor shall affirmatively bind by contract all subcontractors or service vendors providing services under this Agreement to conform to the provisions of this Exhibit E. Contractor shall then provide the signed contract to the Caltrans Contract Manager prior to the commencement of any work.

F. Caltrans hereby agrees to grant Western Transportation Institute, Montana State University, a nonexclusive royalty-free right to use the Work Product under this agreement solely and exclusively for educational and research purposes and for no other purpose whatsoever.

7. **Confidentiality of Data**

- A. All financial, statistical, personal, technical, or other data and information relative to the Caltrans' operations, which is designated confidential by Caltrans' and made available to the Contractor in order to carry out this Agreement, shall be protected by the Contractor from unauthorized use and disclosure.
- B. Permission to disclose information on one occasion or public hearing held by the Caltrans relating to this Agreement shall not authorize the Contractor to further disclose such information or disseminate the same on any other occasion.
- C. The Contractor shall not comment publicly to the press or any other media regarding this Agreement or the Caltrans' actions on the same, except to the Caltrans' staff, Contractor's own personnel involved in the performance of this Agreement, at public hearings, or in response to questions from a Legislative committee.
- D. The Contractor shall not issue any news release or public relations item of any nature whatsoever regarding work performed or to be performed under this Agreement without prior review of the contents thereof by Caltrans and receipt of Caltrans' written permission.
- E. All information related to the construction estimate is confidential and shall not be disclosed by the Contractor to any entity, other than Caltrans.

EXHIBIT D

Out of State University (State Funds) Agreement

F. Any subcontract, entered into as a result of this Agreement, shall contain all of the provisions of this clause.

8. State-Owned Data - Integrity and Security

A. Contractor shall comply with the following requirements to ensure the preservation, security, and integrity of State-owned data on portable computing devices and portable electronic storage media:

1. Encrypt all Caltrans-owned data stored on portable computing devices and portable electronic storage media using government-certified Advanced Encryption Standard (AES) cipher algorithm with a 256-bit or 128-bit encryption key to protect Caltrans' data stored on every sector of a hard drive, including temp files, cached data, hibernation files, and even unused disk space.
Data encryption shall use cryptographic technology that has been tested and approved against exacting standards, such as FIPS 140-2 Security Requirements for Cryptographic Modules.
2. Encrypt, as described above, all State-owned data transmitted from one computing device or storage medium to another.
3. Maintain confidentiality of all State-owned data by limiting data sharing to those individuals contracted to provide services on behalf of the State, and limit use of State information assets for State purposes only.
4. Install and maintain current anti-virus software, security patches, and upgrades on all computing devices used during the course of the Agreement.
5. Notify the Contract Manager immediately of any actual or attempted violations of security of Caltrans-owned data, including lost or stolen computing devices, files, or portable electronic storage media containing State-owned data.
6. Advise the owner of the Caltrans-owned data, the agency Information Security Officer, and the agency Chief Information Officer of vulnerabilities that may present a threat to the security of State-owned data and of specific means of protecting that State-owned data.

B. Contractor shall use the Caltrans-owned data only for State purposes under this Agreement.

C. Contractor shall not transfer State-owned data to any computing system, mobile device, or desktop computer without first establishing the specifications for information integrity and security as established for the original data file(s). (State Administrative Manual (SAM) section 5335.1)

9. Termination

A. Caltrans reserves the right to terminate this Agreement without cause upon thirty (30) days written notice to the Contractor or immediately in the event of material breach by the Contractor.

B. In the event that the total contract amount is expended prior to the expiration date, Caltrans may, at its discretion, terminate this contract with thirty (30) days notice to contractor.

EXHIBIT D

Out of State University (State Funds) Agreement

10. Disabled Veterans Business Enterprise (DVBE) Participation (Without Goals)

Caltrans has established no goals for the participation of DVBE for this Agreement. However, the Contractor shall be fully informed respecting the California Public Contract Code Section 10115 et seq., which is incorporated by reference. Contractor is urged to obtain DVBE subcontractor participation should clearly defined portions of the work become available.

11. Retention of Records/Audits

- A. For the purpose of determining compliance with Government Code Section 8546.7, the Contractor, subcontractors and Caltrans shall maintain all books, documents, papers, accounting records, and other evidence pertaining to the performance of the Agreement, including but not limited to, the costs of administering the Agreement. All parties shall make such materials available at their respective offices at all reasonable times during the Agreement period and for three years from the date of final payment under the Agreement. Caltrans, the State Auditor, FHWA, or any duly authorized representative of the Federal government having jurisdiction under Federal laws or regulations (including the basis of Federal funding in whole or in part) shall have access to any books, records, and documents of the Contractor that are pertinent to the Agreement for audits, examinations, excerpts, and transactions, and copies thereof shall be furnished if requested.

12. Prohibition From Bidding

This Agreement is subject to the provisions of Section 10365.5 of the Public Contract Code which states: "No contractor who has been awarded a consulting services Agreement may submit a bid for, nor be awarded a Agreement for, the provision of services, goods and supplies, or any other related action which is required, suggested or otherwise deemed appropriate in the end product of the original consulting services Agreement."

13. Consultant Contractor's Rights and Obligations

The Contractor is advised that the provisions of Public Contract Code Sections 10335 through 10381 pertaining to the duties, obligations and rights of a consultant service Contractor are applicable to this Agreement.

14. Audit Review Procedures

- A. Any dispute concerning a question of fact arising under an interim or post audit of this Agreement that is not disposed of by agreement shall be reviewed by Caltrans' Chairperson of the Audit Review Committee (ARC). The ARC will consist of the Deputy Director, Audits & Investigations (Chairperson); Deputy Director of the functional Program area; the Chief Counsel, Legal Division, or their designated alternates; and if the Caltrans chooses, two representatives of the Caltrans' choosing, from private industry. The two representatives from private industry will be advisory in nature only and will not have voting rights. Additional members or their alternates may serve on the ARC.
- B. Not later than thirty (30) days after issuance of the final audit report, the Contractor may request a review by the ARC of unresolved audit issues. The request for review will be submitted in writing to the Chairperson of the ARC. The request must contain detailed information of the factors involved in the dispute as well as justifications for reversal. A meeting by the ARC will be scheduled if the

EXHIBIT D

Out of State University (State Funds) Agreement

Chairperson concurs that further review is warranted. After the meeting, the ARC will make recommendations to the appropriate Chief Deputy Director. The Chief Deputy Director will make the final decision for Caltrans. The final decision will be made within three (3) months of receipt of the notification of dispute.

- C. Neither the pendency of a dispute nor its consideration by Caltrans will excuse the Contractor from full and timely performance, in accordance with the terms of this Agreement.
- D. Nothing in this Agreement shall be construed to waive the Sovereign immunity of Contractor as a state entity of the State of Montana.

EXHIBIT E

Out of State University (State Funds) Agreement

Additional Provisions

1. General Provisions Required in all Insurance Policies

- A. Deductible: Contractor is responsible for any deductible or self-insured retention contained within the insurance program.
- B. Coverage Term: Coverage must be in force for the complete term of this Agreement. If insurance expires during the term of this Agreement, a new certificate must be received by the Caltrans Contract Manager at least ten (10) days prior to the expiration of the insurance. Any new insurance must continue to comply with the original terms of this Agreement (enter agreement number).
- C. Policy Cancellation or Termination and Notice of Non-Renewal: Contractor shall provide, to the Caltrans Contract Manager within five (5) business days, following receipt by Contractor, a copy of any cancellation or non-renewal of insurance required by this Agreement. In the event Contractor fails to keep, in effect at all times, the specified insurance coverage, the State may, in addition to any other remedies it may have, terminate this Agreement upon the occurrence of such event, subject to the provisions of this Agreement.
- D. Primary Clause: Any required insurance contained in this Agreement shall be primary, and not excess or contributory, to any other insurance carried by the State.
- E. Inadequate Insurance: Inadequate or lack of insurance does not negate the Contractor's obligations under this Agreement.
- F. Endorsements: Any required endorsements requested by the State must be physically attached to all requested certificates of insurance and not substituted by referring to such coverage on the certificate of insurance.
- G. Insurance Carrier Required Rating: All insurance companies must carry a rating acceptable to the Department of General Services, Office of Risk and Insurance Management (ORIM). If the Contractor is self-insured for a portion or all of its insurance, review of financial information including a letter of credit may be required. Department of General Services, ORIM Website: <http://www.dgs.ca.gov/orim/home.aspx>
- H. Contractor shall include all of its subcontractors as insured's under Contractor's insurance or supply evidence of insurance to the State equal to the policies, coverage's and limits required of Contractor.
- I. The State will not be responsible for any premiums or assessments on the policy.
- J. Montana State University, as a state agency, warrants and represents that it is self-funded for liability insurance, both public and property, with such protection being limited to the officers, employees, servants and agents of Montana State University while acting within the scope of their employment. The parties further agree that nothing contained herein shall be construed or interpreted as (1) denying to either party any remedy or defense available to such party under the laws of the State of Montana; (2) the consent of the State of Montana or its agents and-agencies to be sued; or (3) a waiver of sovereign immunity of the State of Montana beyond the waiver provided in Title 2, Ch. 9, Montana Codes Annotated.

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

EXHIBIT E

Out of State University (State Funds) Agreement

K. Montana State University shall require all subcontractors to comply with the provisions of Exhibit E.

2. Insurance Requirements

A. Commercial General Liability

- 1) Contractor shall maintain general liability on an occurrence form with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate for bodily injury and property damage liability. The policy shall include coverage for liabilities arising out of premises, operations, independent contractors, products, completed operations, personal and advertising injury, and liability assumed under an insured Agreement. This insurance shall apply separately to each insured against whom claim is made or suit is brought subject to the Contractor's limit of liability. The policy must include:

Caltrans, State of California, its officers, agents, and employees are included as additional insured, but only with respect to work performed under this Agreement. The additional insured endorsement must accompany the certificate of insurance.

- 2) This endorsement must be supplied under form acceptable to the Department of General Services, Office of Risk and Insurance Management.

3. Automobile Liability

Contractor shall maintain motor vehicle liability with limits not less than \$1,000,000 combined single limit per accident. Such insurance shall cover liability arising out of a motor vehicle including owned, hired and non-owned motor vehicles. The same additional insured designation and endorsement required for general liability is to be provided for this coverage.

4. Workers' Compensation and Employer's Liability

Contractor shall maintain statutory worker's compensation and employer's liability coverage for all its employees who will be engaged in the performance of the Agreement. Employer's liability limits of \$1,000,000 are required. When work is performed on State owned or controlled property the workers' compensation policy shall contain a waiver of subrogation in favor of the State. The waiver of subrogation endorsement shall be provided to the Caltrans' Contract Manager.

Hotspot analyses for large mammal-vehicle collisions in California
Technical proposal
15 January 2017
Marcel Huijser, WTI-MSU

Background

Wildlife-vehicle collisions affect human safety, property and wildlife. The total number of large mammal-vehicle collisions has been estimated at one to two million in the United States annually (Conover et al. 1995, Huijser et al. 2009a). These collisions were estimated to cause 211 human fatalities, 29,000 human injuries, and over one billion US dollars in property damage annually (Conover et al. 1995). More recent studies that include costs associated with human injuries and human fatalities estimated the yearly costs associated with wildlife-vehicle collisions between 6-12 billion US dollars (Huijser et al. 2009a). In most cases, the animals die immediately or shortly after the collision (Allen & McCullough 1976). In some cases, it is not just the individual animals that suffer. Road mortality may also affect some species on the population level (e.g., van der Zee et al. 1992, Huijser & Bergers 2000), and some species may even be faced with a serious reduction in population survival probability because of direct road mortality, habitat fragmentation, and other negative effects associated with roads and traffic (Proctor 2003, Huijser et al. 2007). In addition, some species also represent a monetary value that is lost once an individual animal dies (Romin & Bissonette 1996, Conover 1997).

The highways in the State of California are important for local, state and interstate travel. However, the frequency of wildlife-vehicle collisions, specifically with mule deer (or black-tailed deer) (*Odocoileus hemionus*), was considered high enough for Caltrans to explore procedures and tools to identify and prioritize wildlife-vehicle collision hotspots, using District 10 as an example (Huijser et al. 2014). These procedures and tools are intended to help standardize future analyses of wildlife-vehicle collision data. Once wildlife-vehicle collision hotspots have been identified and prioritized, potential future mitigation measures need to be evaluated based improving human safety, biological conservation, and cost-benefit analyses. These mitigation measures should be aimed at reducing wildlife-vehicle collisions, particularly with mule deer and other large mammals, and at providing safe crossing opportunities for a wide range of wildlife species.

Goals and Objectives

This project aims to conduct a statewide hotspot analysis of wildlife-vehicle collisions in the state of California. The results of the analyses will help Caltrans make informed decisions on the potential future implementation of mitigation measures for wildlife along highways. The goals are to improve human safety, reduce unnatural deaths of large mammals, while also maintaining or improving habitat connectivity for wildlife. This project will be based on the methods developed from a pilot study we conducted in Caltrans District 10 titled, Procedures and Tools

for Wildlife-Vehicle Collision Hotspot Analyses; Using Caltrans District 10 as an Example (Huijser et al. 2014). The objectives for the current project are to:

1. Provide sound data on locations where collisions with large mammal species along highways in California may be a safety and economic concern. In this case an economic concern is primarily based on parameters related to human safety.

2. Prioritize hotspot locations within each of the 12 Caltrans Districts based on:

a. Human safety data: i.e. wildlife-vehicle crash data and carcass removal data managed by Caltrans).

b. Cost-benefit data on the implementation of mitigation measures including wildlife fences and wildlife crossings structures, and animal detection systems based on the model developed by Huijser et al. (2009a). Note that other mitigation measures are not effective, not evaluated at all, or not substantially effective (up to 50% reduction in wildlife-vehicle collisions at best).

c. Biological conservation data derived from the California Essential Habitat Connectivity analyses (Spencer et al, 2010)).

The prioritization will assist with funding decisions and prioritizing transportation investments in the State Highway Operations and Protection Plan within each district. Note: Wildlife fencing in combination with wildlife underpasses and overpasses can reduce collisions with large ungulates by about 80% or more (range 79 to nearly 100%) if they are implemented over road sections that are at least 3 mi long (Huijser et al. 2016), and a wide variety of species uses wildlife underpasses and overpasses extensively (Clevenger & Huijser 2011). Animal detection systems can also reduce collisions with large mammals substantially (range: about 58 to nearly 100%) but this measure should be considered experimental still as there are often installation and reliability problems associated with animal detection system projects. In addition, animal detection systems are only suitable for large mammal species; small and medium sized species are not or unlikely to be detected. For more discussion on the pros and cons of wildlife fencing in combination with wildlife underpasses and overpasses vs. animal detection systems see Huijser et al. (2008; 2009b).

3. The procedures, tools and outcome of the project should be aligned with and be consistent with the Caltrans 2015-2020 Strategic Plan and goals related to Safety and Sustainability.

This project relates to all state managed highways in California. The total length of these highways is estimated at about 15,117 mi (total length of the highways, ignoring potential multiple lanes).

Tasks

The specific tasks for this project are:

Task 1: Kick-off meeting. The researchers will participate in a kick-off meeting over the phone with Caltrans personnel to discuss the tasks in greater detail and to ensure that both Caltrans and the researchers understand what the tasks are and how they will be conducted. Caltrans will invite the appropriate personnel from within Caltrans (including traffic safety staff) and other stakeholders (e.g. natural resource management agency personnel). The researchers will take notes and will deliver meeting notes including action items.

Task 2: Obtain data. The researchers will request three statewide datasets from Caltrans: 1. Wildlife-vehicle crash data recorded by California Highway Patrol (CHP) in the TASAS, 2. Carcass removal data recorded by Caltrans maintenance personnel in the Integrated Maintenance and Management System (IMMS), and 3. Caltrans Animal Vehicle Collision (AVC) data base. The researchers will request data for the last 10 years (e.g. 1 January 2007 – 31 December 2016). Note that the analyses will be based on existing digital data. However, some digital data may have to be imported in excel from PDFs. Note that the researchers hope to have the crash (TASAS) and carcass removal data (IMMS) relate to the exact same time period so that they are directly comparable. The period for which the Caltrans Animal Vehicle Collision (AVC) data are available for may not be for the same ten years. Note that the species that are included in the data are large mammals only (i.e. deer size and larger): i.e. deer species (mule deer), black bear, mountain lion, elk, and bighorn sheep. Note that the carcass removal data are likely to contain the species name for each record. Only records of wild mammal species that are similar in size to deer or that are larger than deer will be included in the analyses as smaller species are less likely to result in substantial vehicle damage and be a serious threat to human safety. See Huijser et al. (2014) for an example of the hotspot identification process. Data that relate to domestic species (including e.g. domestic cats, domestic dogs, cattle, horses) will be excluded as livestock is or should be controlled by people. Note that the carcass data for the highways in California are likely to mostly relate to mule deer (Pers. Com. James Henke, Caltrans). Most likely, the crash data do not contain the species name of the animals involved. Crash data typically only include a fraction of the number of animal carcasses that are removed, and crash data also tend to relate to more serious accidents with substantial vehicle damage and/or potential human injuries and human fatalities. Therefore, even though the crash data may lack data on the species involved, these data are likely to be wildlife-vehicle crashes with a relatively high level of threat to human safety.

Task 3: Conduct statewide wildlife-vehicle collision hotspot analysis. Hotspots are highway segments that have a relatively high concentration of wildlife-vehicle collisions. The researchers will conduct separate analyses for the TASAS, IMMS, and AVC data and identify hotspots on a map (i.e. in a Geographical Information System). The hotspot identification process will result in hotspots that are based on human safety only. This is important as an alternative process that would identify hotspots based on – for example - nature conservation may result in the

identification of very different road segments as this may include different species and habitat. This is not a problem, but it is important to recognize that the “departure point” for the identification and prioritization process is to identify wildlife-vehicle collision hotspots based on human safety rather than anything else. The researchers propose to identify hotspots based on a “disproportionate” concentration of crashes or carcasses given the distribution of crashes or carcass in each Caltrans District (see Bingham & Noon 1997; Huijser et al. 2014). In addition, the researchers propose to identify the “worst” hotspots in each Caltrans District, regardless of whether they have a disproportionate concentration of crashes or carcasses (see Huijser et al. 2014). The researchers will select the five highest ranking hotspots based on wildlife-vehicle collisions in each district for further analyses (Task 4, 5, 6, and 7). The identification and prioritization process will be documented in a step by step manner (similar to Huijser et al. 2014) as a reference for potential future analyses by Caltrans.

Task 4: Conduct cost-benefit analysis for potential wildlife-mitigation measures for the five highest ranking hotspots in each district (see Task 3) based on Huijser et al. (2009a). Note that these analyses are primarily based on human safety parameters. The mitigation measures evaluated will include wildlife fences and wildlife crossing structures, and animal detection systems. The researchers will also summarize the ongoing costs associated with large mammal-vehicle collisions if no mitigation measures are implemented. The researchers will rank the five highest ranking collision hotspots within each district based on the cost benefit analyses. Note: The economic parameters will be based on the costs for deer, elk and moose-vehicle collisions described in Huijser et al. (2009a). Almost all of the records in California are likely to relate to large wild mammals that are similar in size to deer rather than elk or moose. The economic parameters will likely include the total costs associated with wildlife-vehicle collisions in each hotspot as well as the costs standardized per mile road length within each hotspot. The identification and prioritization process will be documented in a step by step manner (similar to Huijser et al. 2014) as a reference for potential future analyses by Caltrans.

Task 5. Evaluate the five highest ranking collision hotspots within each district (see Task 3) for overlap with the habitat and corridors identified through the California Essential Habitat Connectivity analyses (Spencer et al, 2010)), the international (IUCN), federal and state conservation status of the species that have been reported as roadkill, and overlap with federally designated critical habitat for amphibians, reptiles, and mammals, as identified by the US Fish and Wildlife Service. The identification and prioritization process will be documented in a step by step manner (similar to Huijser et al. 2014) as a reference for potential future analyses by Caltrans.

Task 6. Summarize the human safety, economic, and biological conservation rankings for the five highest ranking collision hotspots in each district (see Task 3). The researchers propose to weigh each group of parameters (human safety, economic, and biological conservation) equally for this final prioritization step; i.e. human safety, economics and nature conservation have equal weight for the five highest ranking collision hotspots within each district. Note that road sections that are not a major concern for human safety are not part of this process to start with. Showing

the data for each parameter and parameter group allows Caltrans and others to change parameter selection and add potential weight to the parameters at a later time, should they choose to do so.

Task 7. The researchers will identify the target species based on the crash and carcass data and other species that occur in the area and that are a conservation concern (Task 5). The researchers will formulate appropriate mitigation measures aimed at reducing direct road mortality and providing safe crossing opportunities for the selected species. Besides general recommendations for mitigation measures the researchers will formulate site specific suggestions for potential future mitigation measures for the five highest ranking collision hotspots within each district. This includes a site visit to the five highest ranking collision hotspots within each of the 12 Caltrans districts (60 hotspots in total). The researchers will evaluate the five highest ranking collision hotspots for potential water crossings as structures that are primarily designed for water may also be made suitable for terrestrial and semi-aquatic species.

Task 8: Deliver report and in person presentation. The researchers will address the comments by Caltrans on the draft report. In addition, the researchers will present the results of the project in person to Caltrans in Sacramento, California.

Deliverables

1. Notes kickoff meeting: 30 June 2017.
2. Draft methodology for review and comment: 31 Dec 2017.
3. Statewide collision hotspot map (GIS files): 31 May 2018.
4. Draft report for review and comment (MS Word and PDF files): 31 Aug 2018.
5. In person presentation to Caltrans in Sacramento, California (incl. Powerpoint file): 31 Oct 2018.
6. Final report and maps (MS Word, PDF, GIS files): 31 Dec 2018.

Responsibilities Caltrans

1. Caltrans invites the appropriate people for the kick-off meeting (through telephone)
2. Caltrans provides the following shapefiles for GIS:
 - a. The highways to be included for this project
 - b. The coordinates for the mile reference posts (or other geo referencing system) used to describe the location of wildlife-vehicle crashes, or wildlife carcasses.
 - c. The wildlife-vehicle crash data (TASAS), carcass removal data (IMMS), and Caltrans Animal Vehicle Collision data (AVC) data base for the last 10 years (e.g. 1 January 2007 – 31 December 2016).
 - d. The shape files (GIS) with the habitat and corridors identified through the California Essential Habitat Connectivity analyses (Spencer et al, 2010).

- e. The shape files (GIS) with federally designated critical habitat for amphibians, reptiles, and mammals (as identified by the US Fish and Wildlife Service).
 - f. The shape files for stream, rivers, lakes, and other water bodies in the state of California.
3. Provide the Caltrans 2015-2020 Strategic Plan and goals related to Safety and Sustainability.

Schedule

	2017									2018												
Task 1	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						

Budget

Budget						Other Direct Expenses			Totals
Task #	Task Title	Marcel Huijser	James Begley	Rob Ament	Jerilyn Brodowy	Total Hours/Total Costs	Travel	Supplies/Minor equipment	Total Costs
		\$62.62	\$40.76	\$69.50	\$55.93				
1	Kick off meeting	40				40			\$2,504.80
		\$2,504.80	\$0.00	\$0.00	\$0.00	\$2,504.80			\$2,504.80
2	Obtain data	160	160			320			\$16,540.80
		\$10,019.20	\$6,521.60	\$0.00	\$0.00	\$16,540.80			\$16,540.80
3	Hotspot analyses	320	800			1120		\$2,000.00	\$54,646.40
		\$20,038.40	\$32,608.00	\$0.00	\$0.00	\$52,646.40		\$2,000.00	\$54,646.40
4	Cost benefit analyses	160				160			\$10,019.20
		\$10,019.20	\$0.00	\$0.00	\$0.00	\$10,019.20			\$10,019.20
5	Biol. Cons. Analyses	320	80			400			\$23,299.20
		\$20,038.40	\$3,260.80	\$0.00	\$0.00	\$23,299.20			\$23,299.20
6	Summarize rankings	40				40			\$2,504.80
		\$2,504.80	\$0.00	\$0.00	\$0.00	\$2,504.80			\$2,504.80
7	Mitigation recommendations	355.1375				355.1375	\$6,000.00		\$28,238.71
		\$22,238.71	\$0.00	\$0.00	\$0.00	\$22,238.71	\$6,000.00		\$28,238.71
8	Final report and presentation	320	160	80	40	600	\$1,500.00		\$35,857.20
		\$20,038.40	\$6,521.60	\$5,560.00	\$2,237.20	\$34,357.20	\$1,500.00		\$35,857.20
	TOTAL HOURS	1715.1375	1200	80	40	3035.1375			
	TOTAL DIRECT COSTS (includes ben.)	\$107,401.91	\$48,912.00	\$5,560.00	\$2,237.20	\$164,111.11	\$7,500.00	\$2,000.00	\$173,611.11
0.44	Indirect Costs at 44%	\$47,256.84	\$21,521.28	\$2,446.40	\$984.37	\$72,208.89	\$3,300.00	\$880.00	\$76,388.89
	TOTAL	\$154,658.75	\$70,433.28	\$8,006.40	\$3,221.57	\$236,320.00	\$10,800.00	\$2,880.00	\$250,000.00

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

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RESUMES

Marcel Huijser, PhD
Research Ecologist, Western Transportation Institute

Qualifications Overview

Marcel Huijser is a research ecologist with 24 years of experience. Specializing in road ecology since 1995, he has conducted research in Europe, North America, South America and Asia. His focus is on the ecological impacts of transportation infrastructure as well as mitigation measures aimed at reducing these impacts. Most of his research relates to reducing large mammal-vehicle collisions, providing safe crossing opportunities for wildlife, and cost-benefit analyses of mitigation measures. Huijser has taught a road ecology course for MSc and PhD students and has also provided several multiple day courses to various agencies and toll road companies.

Marcel Huijser has led several dozens of road ecology projects, **including a report to U.S. Congress** on reducing wildlife-vehicle collisions (2008), and several handbooks containing practical suggestions on implementing effective mitigation measures aimed at reducing wildlife-vehicle collisions and providing safe crossing opportunities for wildlife (2011). While mitigation measures may be required based on human safety and biological conservation parameters alone, Huijser also developed a cost-benefit model (2009) that serves as a decision support tool based on economics. While Huijser is an applied research ecologist he values publishing in peer-reviewed journals, including a recent article on wildlife fences (2016).

Selected Relevant Project Experience

1. Evaluation of wildlife crossing structures and fencing along Hwy 93, Montana. Funded by Montana Department of Transportation, Federal Highway Administration, and US DOT (\$900,000; 2002-2016).
2. Survey for all states and provinces in the US and Canada to document the current practices with the collection, analyses and use of animal-vehicle collision and animal carcass data. Funded by the Transportation Research Board, National Academies (\$30,000; 2005-2007).

Years of Experience: 24

Project Role

- Principal Investigator

Subject Area Expertise

- Road ecology
- Ecological impacts of transportation infrastructure
- Mitigation measures aimed at reducing large mammal-vehicle collisions and providing safe crossing opportunities for wildlife
- Cost-benefit analyses for wildlife mitigation measures

Education

- PhD, road ecology, Wageningen University, The Netherlands
- MSc, ecology, Wageningen University, The Netherlands

Key Skills

- Ecology
- Data analyses
- Writing and presentation
- Project management

Contact:

- mhuijser@montana.edu

3. Wildlife-vehicle collision reduction study: report to congress. Funded by Federal Highway Administration (\$185,000; 2006-2009).
4. Cost-benefit analyses of mitigation measures aimed at reducing collisions with large ungulates in the United States and Canada: a decision support tool. Funded by the Wilburforce Foundation (\$3,000; 2008-2009).

James S. Begley, M.S.

Spatial Data Analyst, Western Transportation Institute

Key Qualifications

James Begley has 20 years of experience with wildlife research and management issues pertaining to a wide variety of wildlife species. He has extensive experience with GIS analyses, modeling, and mapping for projects ranging from small urban forests to national forest planning clusters. For example, James was heavily involved with wildlife sustainability assessments required for forest plan revisions of national forests in Northeast Washington and Northeast Oregon.

Selected Relevant Project Experience

Assisted with WTI's efforts with pre-construction wildlife research and monitoring for proposed wildlife crossing structures associated with the Snoqualmie Pass East project. Duties included surveying for carnivores using non-invasive techniques, remote camera surveys, small mammal live-trapping, snow tracking, and database/project management.

Conducted GIS analyses for road ecology projects in Jasper National Park (Canada), Boundary County (Idaho), Cabinet-Purcell range (Montana), Jackson area (Wyoming), and central California.

Developed dispersal habitat connectivity models for American marten, Canada lynx, grizzly bear, and wolverine to help managers determine impacts of a proposed expansion for the Stevens Pass Resort, Washington.

Conducted GIS modeling for terrestrial species sustainability assessments for forest plan revisions of national forests in Northeast Washington and Northeast Oregon.

Developed land stewardship plans as a natural resources consultant for a conservation easement within the Suncadia master plan resort and the City of Roslyn's designated urban forest. Duties and responsibilities included the development of stand by stand, site specific prescriptions to achieve goals of wildlife habitat enhancement/restoration, hazardous fuels reduction, human safety, recreation, and visual aesthetics.

Years of Experience: 20

Project Role

- Geographical Information Systems expert, spatial analyst

Subject Area Expertise

- Spatial data analyses
- Natural Resource Management

Education

- M.Sc., Resource Management, Central Washington University.
- B.Sc., Natural Resource Management (Wildlife), Washington State University.

Key Skills

- Spatial data analyses
- Natural Resource Management

Participated in the following wildlife research studies for the United States Forest Service: (1) National Fire/Fire Surrogate Study; (2) I-90 Wildlife Habitat Linkage Assessment; (3) Pendleton Dry Forest Management Study; (4) Barred Owl Ecology Study; (5) Yakima Elk Habitat Study; and (6) Post Fire/Salvage Harvest Effects on Cavity Nesting Birds. Duties included field data collection, data entry, database management, and analyses.

STATE OF CALIFORNIA
AGREEMENT SUMMARY

STD 215 (Rev. 04/2017)

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED

AGREEMENT NUMBER 43A0359	AMENDMENT NUMBER
------------------------------------	------------------

1. CONTRACTOR'S NAME Montana State University Western Transportation Institute		2. FEDERAL I.D. NUMBER 81-6010045
3. AGENCY TRANSMITTING AGREEMENT Department of Transportation	4. DIVISION, BUREAU, OR OTHER UNIT Office of Biology	5. AGENCY BILLING CODE 60961
6a. CONTRACT ANALYST NAME Ehite Gebre	6b. EMAIL ehite.gebre@dot.ca.gov	6c. PHONE NUMBER (916)227 6029

7. HAS YOUR AGENCY CONTRACTED FOR THESE SERVICES BEFORE?
 No Yes (If Yes, enter prior Contractor Name and Agreement Number)
 PRIOR CONTRACTOR NAME _____ PRIOR AGREEMENT NUMBER _____

8. BRIEF DESCRIPTION OF SERVICES
 Procedures and Tools for Wildlife-Vehicle Collision Hotspot Analysis

9. AGREEMENT OUTLINE (include reason for Agreement; identify specific problem, administrative requirement, program need or other circumstances making the Agreement necessary; include special or unusual terms and conditions.)
 This Agreement conduct a statewide hotspot analysis of wildlife-vehicle collisions in the state of California. The results of the analyses will help Caltrans make informed decisions on the potential future implementation of mitigation measures for wildlife along highways. The goals are to improve human safety, reduce unnatural deaths of large mammals, while also maintaining or improving habitat connectivity for wildlife.

10. PAYMENT TERMS (More than one may apply)

- Monthly Flat Rate Quarterly One-Time Payment Progress Payment
 Itemized Invoice Withhold _____ % Advanced Payment Not To Exceed
 Reimbursement / Revenue \$ _____ or _____ %
 Other (Explain) Arrears

11. PROJECTED EXPENDITURES


FUND TITLE	ITEM	FISCAL YEAR	CHAPTER	STATUTE	PROJECTED EXPENDITURES
SHA	2660-001-0042	16/17	23	2017	\$ 250,000
					\$
					\$
					\$
					\$

OBJECT CODE 032	AGREEMENT TOTAL \$ 250,000
--------------------	----------------------------

OPTIONAL USE 3292 0000000812 N 032	AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 250,000.00
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I certify upon my own personal knowledge that the budgeted funds for the current budget year are available for the period and purpose of the expenditure stated above.

PRIOR AMOUNT ENCUMBERED FOR THIS AGREEMENT \$ 0.00
TOTAL AMOUNT ENCUMBERED TO DATE \$ 250,000.00

ACCOUNTING OFFICER'S SIGNATURE 	ACCOUNTING OFFICER'S NAME (Print or Type) Amanda Tomblader	DATE SIGNED 5/15/17
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Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

AGREEMENT SUMMARY

STD 215 (Rev. 04/2017)

12. AGREEMENT	TERM		TOTAL COST OF THIS TRANSACTION	BID, SOLE SOURCE, EXEMPT
	FROM	THROUGH		
Original	6/0117	12/31/18	\$ 250,000	Exempt SCM 5.80 (A)(5)
Amendment No. 1			\$	
Amendment No. 2			\$	
Amendment No. 3			\$	
TOTAL			\$ 250,000	

13. BIDDING METHOD USED

Request for Proposal (RFP) (Attach justification if secondary method is used) Use of Master Service Agreement

Invitation for Bid (IFB) Exempt from Bidding (Give authority for exempt status) Sole Source Contract (Attach STD. 821)

Other (Explain) SCM 5.80 (A)(5)

Note: Proof of advertisement in the State Contracts Register or an approved form STD. 821, Contract Advertising Exemption Request, must be attached

14. SUMMARY OF BIDS (List of bidders, bid amount and small business status) (if an amendment, sole source, or exempt, leave blank)

15. IF AWARD OF AGREEMENT IS TO OTHER THAN THE LOWER BIDDER, EXPLAIN REASON(S) (if an amendment, sole source, or exempt, leave blank)

16. WHAT IS THE BASIS FOR DETERMINING THAT THE PRICE OR RATE IS REASONABLE?

Contractor is a non-profit Organization; therefore only actual allowable costs for approved project will be paid.

17a. JUSTIFICATION FOR CONTRACTING OUT (Check one)

Contracting out is based on cost savings per Government Code 19130(a). The State Personnel Board has been so notified. Contracting out is justified based on Government Code 19130(b). When this box is checked, a completed JUSTIFICATION - CALIFORNIA CODE OF REGULATIONS, TITLE 2, SECTION 547.60 must be attached to this document.

17b. EMPLOYEE BARGAINING UNIT NOTIFICATION

By checking this box, I hereby certify compliance with Government Code section 19132(b)(1).

AUTHORIZED SIGNATURE <i>Kathleen Stonetakai</i>	SIGNER'S NAME (Print or Type) Kathleen Stonetakai	DATE SIGNED 5/17/2017
--	--	--------------------------

18. FOR AGREEMENTS IN EXCESS OF \$5,000: Has the letting of the agreement been reported to the Department of Fair Employment and Housing? No Yes N/A

19. HAVE CONFLICT OF INTEREST ISSUES BEEN IDENTIFIED AND RESOLVED AS REQUIRED BY THE STATE CONTRACT MANUAL SECTION 7.10? No Yes N/A

20. FOR CONSULTING AGREEMENTS: Did you review any contractor evaluations on file with the DGS Legal Office? None on file No Yes N/A

21. IS A SIGNED COPY OF THE FOLLOWING ON FILE AT YOUR AGENCY FOR THIS CONTRACTOR?

A. Contractor Certification Clauses No Yes N/A

B. STD 204 Vendor Data Record No Yes N/A

22. REQUIRED RESOLUTIONS ARE ATTACHED No Yes N/A

24. IS THIS A SMALL BUSINESS AND/OR A DISABLED VETERAN BUSINESS CERTIFIED BY DGS? No Yes

SB/DVBE Certification Number:

23. ARE DISABLED VETERANS BUSINESS ENTERPRISE GOALS REQUIRED? (If an amendment, explain changes if any) No (Explain below) Yes _____ % of Agreement

Exempt per SCM 8:12 (D)

25. IS THIS AGREEMENT (WITH AMENDMENTS) FOR A PERIOD OF TIME LONGER THAN THREE YEARS? No Yes (If Yes, provide justification below)

I certify that all copies of the referenced Agreement will conform to the original agreement sent to the Department of General Services.

SIGNATURE <i>Kathleen Stonetakai</i>	NAME/TITLE (Print or Type) Kathleen Stonetakai, Contract Officer	DATE SIGNED 5/17/2017
---	---	--------------------------

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

JUSTIFICATION - CALIFORNIA CODE OF REGULATIONS, TITLE 2, SECTION 547.60

In the space provided below, the undersigned authorized state representative documents, with specificity and detailed factual information, the reasons why the contract satisfies one or more of the conditions set forth in Government Code section 19130(b). Please specify the applicable subsection. Attach extra pages if necessary. The section of GC 19130(b)(3) noted below applies to this proposed contract.


(b) Personal services contracting also shall be permissible when any of the following conditions can be met:

(3) The services contracted are not available within civil service, cannot be performed satisfactorily by civil service employees, or are of such a highly specialized or technical nature that the necessary expert knowledge, experience, and ability are not available through the civil service system.

The hot spot and cost benefit analysis that will be conducted requires understanding of specialized scientific methodology involving statistical analysis and functional analysis of animal-vehicle collision data and cost-benefit of associated mitigation measures for avoidance and minimization of animal-vehicle collisions and ultimately for conservation purposes. The contractors have developed this methodology and are recognized experts in this field: Huijser, M. P., J. W. Duffield, A. P. Clevenger, R. J. Ament, and P. T. McGowen. 2009. Cost-benefit analyses of mitigation measures aimed at reducing collisions with large ungulates in the United States and Canada; a decision support tool. Ecology and Society 14(2): 15. [online] URL: <http://www.ecologyandsociety.org/vol14/iss2/art15/>

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

The undersigned represents that, based upon his or her personal knowledge, information or belief the above justification correctly reflects the reasons why the contract satisfies Government Code section 19130(b).

SIGNATURE 	NAME/TITLE(Print or Type) James Henke - Senior Environmental Planner	DATE SIGNED 5/12/17
PHONE NUMBER (916) 653-6121	STREET ADDRESS 1120 N Street	
EMAIL james.henke.jr@dot.ca.gov	CITY Sacramento, CA	STATE CA
		ZIP 95811

APPENDIX A2.2

Carcass removal data

Period 1 Jan 2000 – 31 Dec 2009 (10 years)

Includes the following data sources and periods:

- AVC data 1 Jan 2000 – 31 Dec 2005
- IMMS data 1 Jan 2006 – 31 Dec 2009

Note: Each individual carcass now corresponds to a record in the database

Note: The species descriptions were made consistent and are as precise as possible.

Certain: We will conduct hotspot analyses for mule deer (excluding other species). There are 3424 observations of mule deer carcasses in the database.

Question 1: During kickoff meeting it was mentioned that additional (statewide) analyses should be conducted for certain species, e.g. Elk (*Cervus canadensis*), Bighorn sheep (*Ovis canadensis*), and Mountain lion (*Puma concolor*). Now that we have the full species list, do we want to add species for which Caltrans wants statewide analyses?

Question 2: However, looking at the low numbers in the database for species that could be of concern to human safety (with the exception of mule deer) or biological conservation, it seems that these species have too low of a number to conduct meaningful analyses. Looking at the species distribution maps for CA, there are probably many more hit of these species in locations that did not report these species at all. So, do we want to cancel statewide analyses for these species? Just a simple map (per species) for the selected species (see first question) that has the observations plotted?

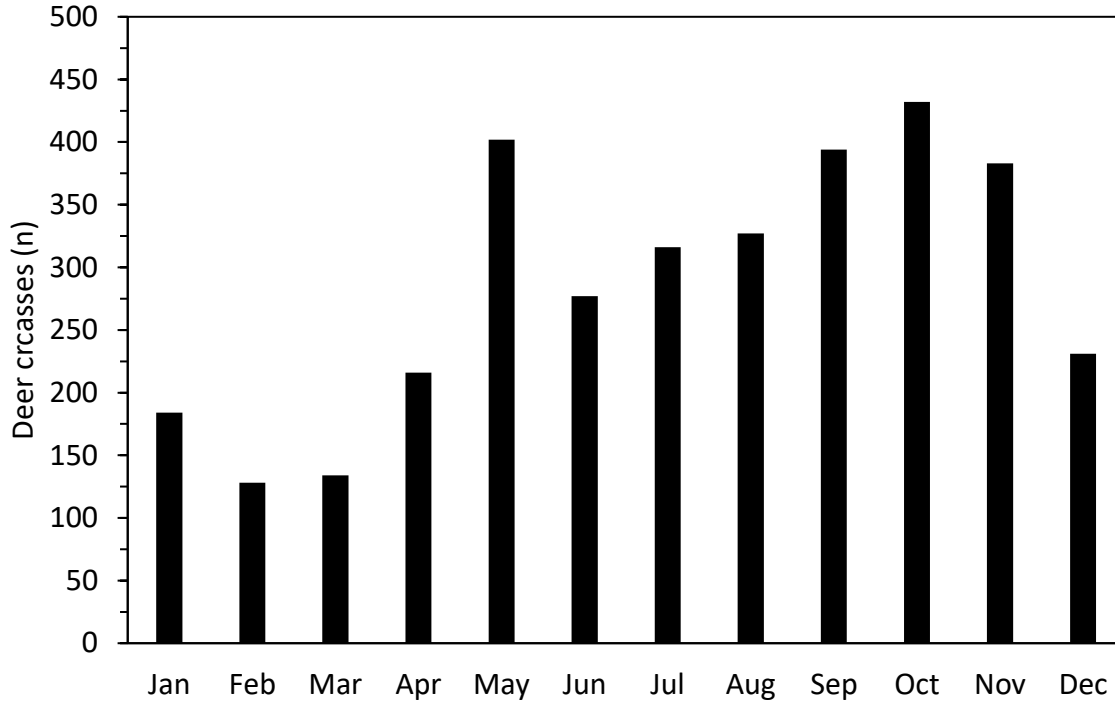
Discussion: perhaps these carcass removal data show that when it comes to specific species that are relatively rare (even if they are big), other organizations/people may have removed the carcasses before the road maintenance crews come by. So, this then suggests that for these species other data sources may need to be consulted (e.g. data from natural resource management agencies, citizen science data etc.).

Table A. Species reported in carcass removal database 2000-2009.

Species ID by Marcel	Total	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Mule deer (<i>Odocoileus hemionus</i>)	3424	357	123	833	487	462	142	155	287	321	257
Unknown	743			7				201	207	176	152
Raccoon (<i>Procyon lotor</i>)	315	24	5	13	17	18	9	14	37	104	74
Coyote (<i>Canis latrans</i>)	211	28	2	25	29	29	12	6	11	18	51
Virginia opossum (<i>Didelphis</i>)	99	14	2	17	16	8	14	3	6	13	6
Skunk sp.	88	10		4	5	3	8	6	16	21	15
Bird	65	8	1	7	3	8	34		3	1	
Black bear (<i>Ursus americanus</i>)	50			20		7		2	13	5	3
Fox sp.	22	6			2	1		1	6	4	2
Rabbit sp.	21							2	9	8	2
Bobcat (<i>Lynx rufus</i>)	20	5		2	5	2	1		1	1	3
Rabbit or hare sp.	18	6		3	2	2	5				
Elk (<i>Cervus canadensis</i>)	17			2	1	5			3	4	2
Squirrel sp.	5	1		1			2			1	
Gray fox (<i>Urocyon cinereoargenteus</i>)	4	2	1						1		
Mammal sp.	4				1	2	1				
Mountain lion (<i>Puma concolor</i>)	4		1	2						1	
American badger (<i>Taxidea taxus</i>)	3										3
Red fox (<i>Vulpes vulpes</i>)	3									2	1
Wild boar (<i>Sus scrofa</i>)	3										3
Jack rabbit (<i>Lepus sp.</i>)	2								1	1	
Bighorn sheep (<i>Ovis canadensis</i>)	1								1		
Kit fox (<i>Vulpes macrotis</i>)	1	1									
River otter (<i>Lontra canadensis</i>)	1									1	
Pronghorn (<i>Antilocapra americana</i>)	1			1							
	5125	462	135	937	568	547	228	390	602	682	574

Mule deer only

Peak in May, and longer peak in Sep-Nov.



Mule deer were not reported in some years (Table B).

For district 1 through 8, reporting seems to be (mostly) restricted to 2006-2009.

For district 9, 12, reporting seems to be mostly restricted to 2000-2005.

Suggestions:

1. Conduct analyses for each district, using all available carcass removal data for the individual districts. Note that District 8 and 11 have very few observations though.

2. Do not conduct state-wide analyses... If you do, you would need huge correction factors that are questionable to begin with. It is better to conduct state-wide analyses only with the deer crash data (and forego the state-wide analyses with deer carcass removal data).

Discussion: Not all districts seem to report deer carcasses, at least not with the same level of effort. In addition, within each district, the search and reporting level seems to vary substantially. If the purpose of collecting the carcass data is to be able to identify carcass hotspots, then this suggests that more attention needs to be given to report carcasses with similar search and reporting effort between years as well as between districts.

Table B. Deer carcasses reported per district per year.

District	Total Of Count	<>	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1	230		15	10	18				41	71	37	38
2	202				175					3	14	10
3	9								1	3	1	4
4	367								40	83	135	109
5	32								11	12	6	3
6	58				2	1			4	14	22	15
7	14								6	1	3	4
8	5								2	2		1
9	670		95	35	140	127	157	115		1		
10	1746		222	73	487	347	290	13	48	95	99	72
11	3		1							1	1	
12	88		24	5	11	12	15	14	2	1	3	1
	3424		357	123	833	487	462	142	155	287	321	257

APPENDIX A2.3

Crash data. 1 Jan 2005 – 31 December 2014

There were 10,552 reported crashes with either livestock, deer, or other animals (Table x). There were 25 crashes with 28 human fatalities, mostly with deer (Table A). There were 1351 crashes with 1617 human injuries, also mostly with deer (Table B).

Table A. Human fatalities because of a crash with livestock, deer, or other animal species

Human fatalities in an individual crash (n)	Crashes (n)			
	Livestock	Deer	Other species	Total
0	1156	6909	2462	10527
1	6	12	4	22
2	0	1	2	3
Total crashes (n)	1162	6922	2468	10552
Total crashes (%)	11.01	65.60	23.39	100.00
Total crashes with human fatalities (n)	6	13	6	25
Total crashes with human fatalities (%)	24.00	52.00	24.00	100.00

Table B. Human injuries because of a crash with livestock, deer, or other animal species

Human injuries in an individual crash (n)	Crashes			
	Livestock	Deer	Other species	Total
0	954	6075	2172	9201
1	149	736	240	1125
2	49	102	48	199
3	3	7	7	17
4	6	1	0	7
5	1	1	1	3
Total crashes (n)	1162	6922	2468	10552
Total crashes (n)	11.01	65.60	23.39	100.00
Total crashes with human injuries (n)	208	847	296	1351
Total crashes with human injuries (%)	15.40	62.69	21.91	100.00

Most of the crashes were with passenger cars (7764 out of 10552 crashes) (Table C). However, the percentage of crashes that resulted in at least one human injury or human fatality was 9.66% for passenger cars (vehicle type A) and 5.72% for pickups (vehicle type D), whereas this was 91.13% for motorcycles (vehicle type C) (Table C). For passenger cars the percentage of human injuries or human fatalities was higher with livestock crashes (22.36%) compared to crashes with deer or other species (Table D). The same applied to pickups (9.88%), but for motorcyclists the percentage of human injuries or human fatalities was at least 90% regardless of the species group involved (Table D).

Table C. Human injuries or fatalities because of a crash with livestock, deer, or other species by vehicle type.

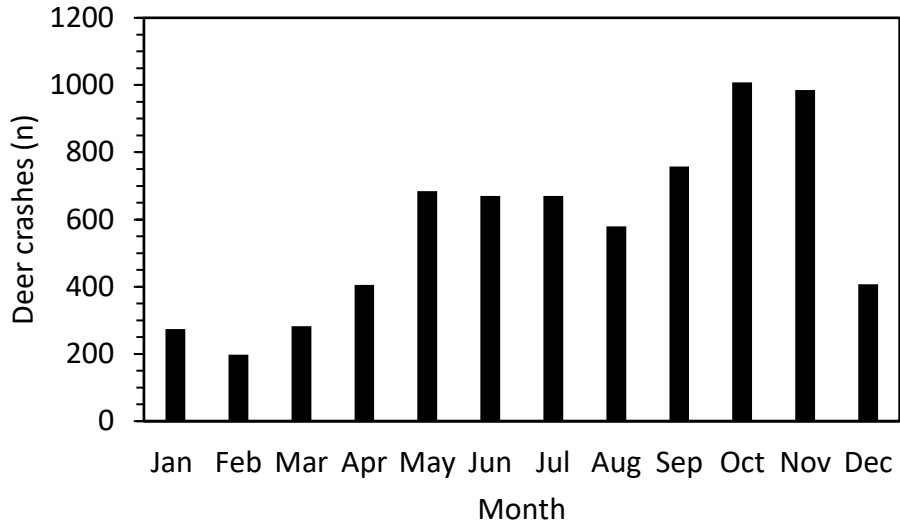
Vehicle type	Crashes with human injuries or fatalities (n)			Crashes with at least one human injury or fatality (%)
	None	≥1	Total	
A-PASNGR CAR/STA WAGON	7014	750	7764	9.66
B-PASNGR CAR W/TRAILER	12	1	13	7.69
C-MOTORCYCLE	47	483	530	91.13
D-PICKUP/PANEL TRUCK	1253	76	1329	5.72
E-PICKUP/PANEL W/TRAILER	53	5	58	8.62
F-TRUCK/TRUCK TRACTOR	48	4	52	7.69
G-TRUCK/TRACTOR & 1 TRAILER	204	8	212	3.77
H-SCHOOL BUS	20	1	21	4.76
I-OTHER BUS	22	1	23	4.35
J-EMERGENCY VEHICLE	404	28	432	6.48
L-BICYCLE	0	3	3	100.00
M-OTHER-MOTOR VEH	43	1	44	2.27
N-OTHER-NON-MOTOR VEH	1	0	1	0.00
2-TRUCK/TRACTOR & 2 TRAILER	32	2	34	5.88
U-PEDESTRIAN	1	6	7	85.71
UNKNOWN	27	1	28	3.57
V-DISMOUNT PEDESTRIAN	1	0	1	0.00

Table D. Human injuries or fatalities because of a crash with livestock, deer, or other species by vehicle type.

Species group	Human injuries or fatalities (n)	A-PASNGR CAR/STA WAGON	C-MOTORCYCLE	D-PICKUP/PANEL TRUCK
Livestock	None	552	0	228
	≥1	159	14	25
	≥1 (%)	22.36	100.00	9.88
Deer	None	4703	37	820
	≥1	410	378	38
	≥1 (%)	8.02	91.08	4.43
Other species	None	1759	10	205
	≥1	181	91	13
	≥1 (%)	9.33	90.10	5.96

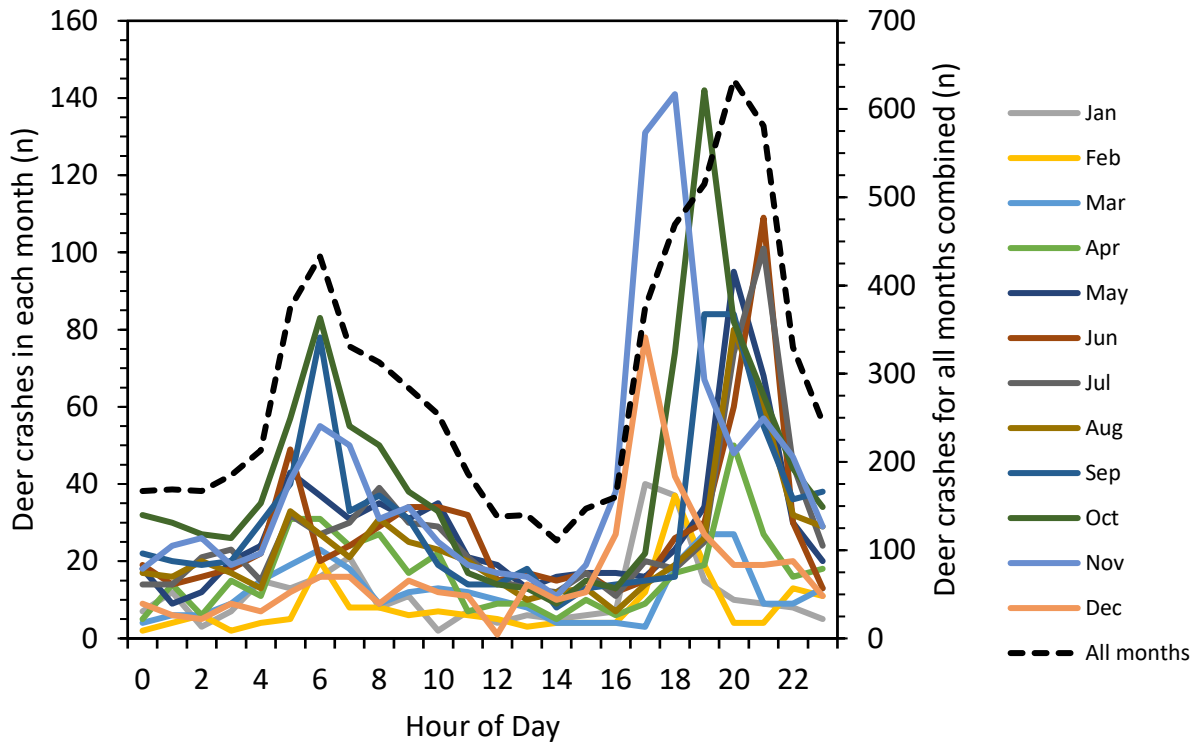
Deer only analyses

Distribution of deer crashes per month (n=6922 in total)



Deer crashes by the hour of the day

Per month and for all months combined



The number of deer crashes per district per year.

This appears relatively consistent, allowing for statewide analyses

District	Total	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1	790	77	64	70	78	75	66	72	94	103	91
2	1366	110	115	155	140	139	121	150	141	146	149
3	913	74	69	74	93	100	92	94	90	114	113
4	789	93	82	91	92	80	75	75	63	75	63
5	1104	90	70	105	108	108	114	139	128	148	94
6	272	38	33	35	28	25	22	23	24	27	17
7	205	18	18	10	21	13	12	25	33	31	24
8	129	4	10	9	19	7	13	10	21	15	21
9	540	35	32	33	38	38	54	74	70	83	83
10	568	60	66	59	76	65	44	42	59	60	37
11	143	7	8	10	14	16	11	16	25	14	22
12	103	9	17	10	12	6	12	7	12	14	4
Total	6922	615	584	661	719	672	636	727	760	830	718

APPENDIX A2.4

California Department of Transportation

OTM22215

TSAR - ACCIDENT SUMMARY

Policy controlling the use of Traffic Accident Surveillance and Analysis System (TASAS) - Transportation Systems Network (TSN) Reports

1. TASAS - TSN has officially replaced the TASAS - "Legacy" database.
2. Reports from TSN are to be used and interpreted by the California Department of Transportation (Caltrans) officials or authorized representative.
3. Electronic versions of these reports may be emailed between Caltrans' employees only using the State computer system.
4. The contents of these reports shall be considered confidential and may be privileged pursuant to 23 U.S.C. Section 409, and are for the sole use of the intended recipient(s). Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. Do not print, copy or forward.

California Department of Transportation

OTM22215

TSAR - ACCIDENT SUMMARY

REPORT PARAMETERS:

REPORT DATE : 07/07/2017
REFERENCE DATE : 07/07/2017
SUBMITTOR : TRRKIM
REPORT TITLE : ' Animal Crashes '
EVENT ID : 3926696

LOCATION CRITERIA:

Statewide Report

SELECTION CRITERIA:

1 1 AND 600 - PARTY TYPE IN W,X,Z

Accidents Date Range:

From -- 01/01/2005 To -- 12/31/2014

TASAS SELECTIVE RECORD RETRIEVAL
TSAR - ACCIDENT SUMMARY
' Animal Crashes '

Table with columns: TOTAL ACCIDENTS, FATAL, INJURY, PDO, PERSONS KILLED, INJURED, MOTOR VEHICLES INVOLVED (NUMBER, PCT, CODE), and <---LINES CODED---> (NUMBER, PCT, CODE).

Table with columns: <---- HOUR OF DAY ---->, <--- ACCESS CONTROL --->, <--- SIDE OF HIGHWAY --->, <----- YEAR ----->, <----- MONTH ----->, and <----- DAY OF WEEK ----->. Each column contains sub-columns for NUMBER, PCT, and CODE.

TASAS SELECTIVE RECORD RETRIEVAL
TSAR - ACCIDENT SUMMARY
' Animal Crashes '

Table with 3 columns: NUMBER, PCT, CODE. Rows include collision factors like 1-INFLUENCE ALCOHOL, 2-FOLLOW TOO CLOSE, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include collision types like A-HEAD-ON, B-SIDESWIPE, C-REAR END, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include roadway conditions like A-HOLES, RUTS, B-LOOSE MATERIAL, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include weather conditions like A-CLEAR, B-CLOUDY, C-RAINING, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include lighting conditions like A-DAY LIGHT, B-DUSK/DAWN, C-DARK-STREET LIGHT, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include road surface conditions like A-DRY, B-WET, C-SNOWY, ICY, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include right of way control conditions like A-CONTROL FUNCTIONING, B-CONTROL NOT FUNCTIONING, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include highway group conditions like R-IND. ALIGN RIGHT, L-IND. ALIGN LEFT, etc.

Table with 3 columns: NUMBER, PCT, CODE. Rows include intersection/ramp accident location conditions like 1-RAMP INTERSECTION (EXIT), 2-RAMP, etc.

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR

TASAS SELECTIVE RECORD RETRIEVAL
TSAR - PARTY SUMMARY
' Animal Crashes '

Table with columns: PARTY TYPE, MOVEMENT PRECEDING COLLISION, OTHER ASSOCIATED FACTORS. Includes sub-columns for NUMBER, PCT, CODE and #1, #2. Lists various vehicle types and collision codes.

Table with columns: DIRECTION OF TRAVEL, SPECIAL INFORMATION. Includes sub-columns for NUMBER, PCT, CODE. Lists travel directions and special information codes.

** INCLUDES EQUIPMENT ENGAGED IN CONST/MAINT ACTIVITIES AS OF 00-02-22
* SPECIAL INFORMATION CODES EFF. 04-01-01
* INATTENTION CODES EFF. 01-01-01

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR

TASAS SELECTIVE RECORD RETRIEVAL
TSAR - PARTY SUMMARY
' Animal Crashes '

Table with columns: PRIMARY NUMBER, PCT, OTHERS NUMBER, PCT, CODE, OBJECT STRUCK, LOCATION OF COLLISION, DRUG/PHYSICAL. Includes rows for various crash types like '01-SIDE OF BRIDGE RAILING' and 'V1 THRU V9 VEHICLE 1 TO 9'.

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR

LETTER CBD 1: CENTER FOR BIOLOGICAL DIVERSITY

Tiffany Yap, D. Env/PhD
Wildlife Corridor Advocate
Center for Biological Diversity
1212 Broadway, Suite 800
Oakland, California 94612
May 1, 2020

This letter was submitted outside the public comment period on the Draft PEIR. A summary of the following responses was e-mailed to the commenter on May 6, 2020. Individual comments are responded to below. CBD's letter provides valuable input to the Plan process and SCAG has prepared an Addendum to clarify and expand upon certain information and refined mitigation measures in response to some of the issues raised in the letter. However, this added information and refined mitigation measures do not result in any of the following:

- One or more significant effects not discussed in the PEIR.
- Substantial increase in the severity of a previously identified significant effect.
- New mitigation measures or alternatives that were previously found not to be feasible would be feasible and would substantially reduce on or more significant effects of the project but are declined to be adopted by the project proponent.
- Mitigation measures or alternatives that are considerably different from those analyzed in the PEIR would substantially reduce one or more significant effects but are declined to be adopted.

In general, the new information updates regulatory information, expands/clarifies environmental setting information, further clarifies the significant impacts already identified in the PEIR and refines mitigation measures to provide more detail as to how SCAG will carry out their role and provides more options for project-level mitigation.

Response CBD 1-1

The comment provides introductory remarks and a general summary of the comments below regarding wildlife connectivity, mountain lion conservation, the rollback of vehicle emission standards, inadequate mitigation, and the air quality and greenhouse gas analysis. Refer to **Response CBD 1-21** for responses related to SAFE rules.

Please see **Response CBD 1-4, Response CBD 1-5, Response CBD 1-18, and Response CBD 1-21.**

Response CBD 1-2

The comment provides introductory remarks highlighting the background on the Center for Biological Diversity (CBD). It presents no environmental issues within the meaning of CEQA.

Response CBD 1-3

The comment states that a program EIR may not avoid analysis and mitigation for regional programs. As described throughout the below responses, the PEIR addresses regional-scale impacts as appropriate for a plan that covers six counties, more than 38,000 square miles, 191 cities, numerous communities (with a diverse set of community values), several climate types, and a wide variety of environmental conditions.

A “project EIR” is generally prepared for the construction-level project and focuses primarily on the changes in the environment that would result from the project, and it examines all phases of the project including planning, construction, and operation. In contrast, a “program EIR” evaluates the broad policy direction of a planning document, such as a general plan, but does not examine the potential site-specific impacts of the many individual projects that may be proposed in the future consistent with the plan. The degree of specificity required in an EIR corresponds to the degree of specificity involved in the underlying activity that is described in the EIR. More specifically, CEQA allows that a PEIR, “may be prepared on a series of actions that can be characterized as one large project and are related either (1) geographically, (2) as logical parts of the chain of contemplated actions, (3) in connection with issuance of rules, regulations, plans or other general criteria to govern the conduct of a continuing program, or (4) as individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways” (*CEQA Guidelines* § 15168).

Connect SoCal includes thousands of projects that are selected in accordance with specific guidance, by the CTCs and local agencies before being included in the Plan. Because Connect SoCal is a regional planning document that does not examine site-specific impacts, it is appropriately analyzed with a program EIR.

The Connect SoCal PEIR is a programmatic document that provides a region-wide assessment of the potential significant environmental effects of implementing policies, strategies, projects, and programs included in Connect SoCal. It provides mitigation measures to be implemented by SCAG at the regional level and identifies a framework of mitigation measures for individual lead agencies to choose from for subsequent site-specific environmental review, including project-level EIRs as appropriate for each project, site, and community.

The focus of the environmental analysis in the PEIR is on potential regional-scale impacts associated with implementation of Connect SoCal as a whole. Connect SoCal conceptually identifies individual transportation projects and provides land use policies set forth in the SCS component of the Plan. Because

the Plan and PEIR is programmatic in nature and regional in approach, it does not include site-specific analysis of any project contained in Connect SoCal. Many of the individual transportation projects included in the Plan are early in the development phase, and detailed project/site specific analysis is not appropriate at this time without undue speculation (see *CEQA Guidelines* § 15126.6(f)(3)).

While the PEIR identifies several significant impacts at the regional level, individual projects and their potential impacts must be separately assessed at the project level by individual lead/implementing agencies to determine whether specific project conditions may result in significant impacts at the local or sub-regional level. Subsequent project-level environmental analyses will determine whether or not an individual project has significant, project-level impacts requiring the consideration of project-level mitigation measures.

Use of a program-level approach ensures consideration of the cumulative effects of the transportation projects contemplated over the 25-year planning horizon and avoids duplicative reconsideration of the basic policy consideration in the Plan related to land use patterns, alternative modes of travel, active transportation, and sustainability. As specified by Section 15168(c) of the *State CEQA Guidelines*, subsequent activities analyzed in the PEIR must be examined to determine whether an additional environmental document must be prepared. If a later activity would have effects that were not examined in the PEIR, a new initial study would need to be prepared leading to determine the appropriate level of environmental compliance documentation pursuant to CEQA (see *CEQA Guidelines* § 15002(k)).

The analysis in the Connect SoCal PEIR is based on scientific and factual data which has been reviewed by the lead agency and reflects its independent judgement and conclusions. CEQA permits disagreements between experts with respect to environmental issues addressed in an EIR. As stated in Section 15151 of the *CEQA Guidelines*, disagreement among experts does not make an EIR inadequate. The courts have looked not for perfection but for adequacy, completeness and a good faith effort at full disclosure.

Response CBD 1-4

The comment states that many of the PEIR's mitigation measures are legally inadequate and cannot be considered mitigation under CEQA and case law. The commenter asserts that SCAG should revise the PEIR's mitigation measures.

Contrary to the commenter's assertions, SCAG is not like SANDAG.¹ SANDAG is an implementing agency, as well as a metropolitan planning organization (MPO). As such, SANDAG has "purse string authority" over projects and therefore can require and enforce mitigation measures. SCAG has no such

¹ The San Diego Association of Governments <https://www.sandag.org/index.asp?fuseaction=about.home>

authority over projects, nor does it have any land use authority. SCAG serves as the regional forum for cooperative decision-making by local government elected officials and its primary responsibilities in fulfillment of federal and state requirements include the development of the RTP/SCS; the Federal Transportation Improvement Program (FTIP); the annual Overall Work Program; and the transportation-related portions of local air quality management plans. SCAG’s other major functions include determining the regional transportation plans and programs are in conformity with the federal Clean Air Act; determining that the RTP/SCS meets regional greenhouse gas (GHG) emissions reduction targets established by the California Air Resources Board (CARB); preparing a Regional Housing Needs Assessment (RHNA) every eight years; and intergovernmental review of regionally significant projects.

The Regional Council is SCAG’s governing body. It consists of 86 elected officials, representing cities, counties, county transportation commissions, transportation corridor agencies, tribal governments, and air districts in the region. The Regional Council has general authority to conduct the affairs of SCAG and directs the actions of the agency throughout the year. Additionally, the Regional Council implements the policy direction provided at the annual General Assembly of its membership, acts upon policy recommendations from SCAG’s standing policy committees and external agencies and appoints standing or ad-hoc subcommittees to study specific programs or issues. SCAG’s Regional Council directs the policy initiatives of the organization. Consistent with state law and as a matter of policy, SCAG provides for local jurisdictions to have maximum flexibility to make decisions appropriate to their circumstances.

Under state planning law (SB 375), the SCS developed as part of the RTP cannot supersede local General Plan policies.² Rather, it is intended to provide a regional policy foundation that local governments may build upon if they so choose and generally includes the quantitative growth projections for each city and county in the region going forward. The PEIR, page 1.0-16 notes as follows:

... SB 375 specifically provides that nothing in an SCS supersedes the land use authority of cities and counties, and that cities and counties are not required to change their land use policies and regulations, including their general plans, to be consistent with the SCS or an alternative planning strategy.³ Moreover, cities and counties have plenary authority to regulate land use through their police powers granted by the California Constitution, art. XI, §7, and under several statutes, including the local planning law,⁴ the zoning law,⁵ and the Subdivision Map Act.⁶ As such, SCAG has no concurrent authority/jurisdiction to implement

² Cal. Gov Code Section 65080(b)(2)(K).

³ California Legislative Information. *Public Resources Code – PRC, Division 13. Environmental Quality, Chapter 2.5, Definitions [21060-21074].*

⁴ California Legislative Information. *Chapter 3. Local Planning 65100-65763.*

⁵ California Legislative Information. *Chapter 4. Zoning Regulations 65800-65912.*

⁶ California Legislative Information. *Division 2 Subdivisions 66410-66499.38.*

mitigation related to land use plans and projects that implement the Plan. With respect to the transportation projects in the Plan, these projects are to be implemented by Caltrans, county transportation commissions, local transit agencies, and local governments (i.e., cities and counties), and not SCAG. SCAG also has no authority/jurisdiction to require these agencies to implement project-specific mitigation measures.

As such, SCAG makes clear that lead agencies have the sole discretion to determine which mitigation measures are appropriate and feasible for individual projects, and SCAG has taken steps to ensure that the language of project level mitigation measures allow maximum flexibility to address multiple jurisdictions, circumstances, community values, environmental conditions, etc.

Unlike SANDAG, SCAG does not implement transportation projects in the RTP/SCS (except for a limited role in certain active transportation projects, as noted below). The six County Transportation Commissions (CTCs) in the SCAG region are designated as the Regional Transportation Planning Agencies (RTPAs), and responsible for developing short-term, county-level transportation improvement programs (TIPs). Each of the CTCs in the SCAG region are considered implementing agencies that have the ultimate authority in their respective counties to identify, select, prioritize and implement transportation projects which are included in their TIP submittals to SCAG. As the designated metropolitan planning organization (MPO) for the six-county region, SCAG serves primarily as a regional planning agency that conducts regional transportation planning activities as required under federal and state laws. In fulfilling this role, SCAG reviews the regional project lists contained in each RTP and FTIP which include the programs of projects submitted by the CTCs, primarily for purposes of determining compliance with transportation conformity requirements under the federal Clean Air Act and meeting the established GHG emissions reduction targets pursuant to SB 375.

SCAG does not generally provide funding for implementation of transportation projects in Connect SoCal, except for a limited role in active transportation projects described below. Funding for such projects is programmed (reasonably available funding identified) by the County Transportation Commissions (CTCs) and Caltrans. Implementing agencies, including Caltrans and the CTCs, conduct project-level analysis, programming, construction and implementation of such projects.

However, as the designated recipient for certain Federal Transit Administration (FTA) funds for the region, SCAG provides formula and pass through funds to transit agencies for capital improvements such as bus replacements and related facilities improvements.⁶ While SCAG does not have a role in prioritizing these expenditures, SCAG is required to ensure such expenditures are consistent with the adopted and conforming RTP/SCS and FTIP.

Additionally, SCAG serves a role in programming regional funds under the California Active Transportation Program which is administered by the California Transportation Commission to encourage increased use of active modes of transportation, such as biking and walking. Under this program, active transportation infrastructure projects are implemented by local agencies, and SCAG receives a small portion of funding for planning, non-infrastructure, and pilot projects. More information about the regional ATP program is available on SCAG's website.⁷

Also, as part of its Go Human program, SCAG receives funding to implement small active transportation projects involving for example, temporary demonstrations and outreach activities.

SCAG's Intergovernmental Review (IGR) program is responsible for two main functions: (1) the clearinghouse function which includes reviewing applications for federal grants and financial assistance programs, federally required state plans, federal development activities and federal environmental documents pursuant to Presidential Executive Order 12372 and (2) the CEQA function which includes reviewing regionally significant plans, projects and programs per *CEQA Guidelines*. The clearinghouse function enables SCAG to maintain a database of submitted projects and provides acknowledgement letters.

SCAG staff provides comment letters for regionally significant projects pursuant to *CEQA Guidelines* Section 15206(a)(1). The comment letter is intended to assist lead agencies with information such as RTP/SCS goals, jurisdictional-level growth forecasts, and to suggest consideration of project-level mitigation measures included in the RTP/SCS's PEIR. Project-level mitigation measures are within the responsibility, authority, and/or jurisdiction of project-implementing agency or other public agency serving as lead agency under CEQA in the subsequent project- and site- specific design, CEQA review, and decision-making processes of those projects. As discussed above, SCAG recognizes that lead agencies have the sole discretion in determining which mitigation measures included in the PEIR should be considered for adoption and implementation, as applicable and feasible.

In a few limited situations, grants require applicants to receive letters from SCAG confirming the proposed projects for grant award would support the implementation of the regional SCS. One such example is the Affordable Housing and Sustainable Communities (AHSC) Program administered by the California Strategic Growth Council. Since the AHSC Program promotes transit-oriented development and accordingly supports the implementation of the regional SCS, SCAG was able to provide confirmation that the project supports and is consistent with the RTP/SCS goals.

⁷ <http://www.scag.ca.gov/programs/Pages/ActiveTransportationFunding.aspx?opentab=8>

The FEIR includes both SCAG mitigation and a framework of project-level mitigation. SCAG mitigation measures are appropriately limited to those actions that can be directly undertaken by SCAG. SCAG mitigation measures maximize SCAG's influence and authority by encouraging and facilitating data collection, information-sharing, and regional coordination and action. The project-level mitigation measures necessarily provide guidance and flexibility given the enormous range of projects and conditions as well as diversity of community values that are present in the region. It is not possible, nor required under CEQA, for a regional document to provide specific guidance for every type of project and condition. (See also Master Response 5 Final PEIR p. 9.0-13). SCAG's role, as undertaken within the PEIR is to identify such impacts and provide broad policy direction regarding project level implementation.

With regard to proper use of programmatic mitigation, since SCAG has no authority to impose project-level mitigation, it is the responsibility of local lead/implementing agencies, to identify impacts and determine and commit to the appropriate mitigation measures for the individual projects. The PEIR identifies mitigation measures based on appropriate performance standards. As part of identifying significant impacts of each project in each jurisdiction, agencies need the flexibility to identify appropriate detailed performance standards.

The Connect SoCal PEIR provides guidance in the form of programmatic mitigation measures that can be used by local jurisdictions in developing project-specific mitigation. The PEIR does not rely on the project-level mitigation measures being implemented in making significance findings (since the measures are within the jurisdiction of another agency and cannot be implemented by SCAG). Refer to Master Response No. 5 Approach to Mitigation Measures, of the Final PEIR.

SCAG has successfully conducted workshops and regional forums for many years and will continue to do so. Examples of these regional forums include the Natural Lands Working Group, Environmental Justice Working Group, Toolbox Tuesday training sessions and many others. These forums also provide valuable feedback and input into developing mitigation measures for future PEIRs. For more details on SCAG's programs, please refer to: <http://scag.ca.gov/programs/Pages/Home.aspx>

With regard to the need to revise mitigation measures, SCAG has reviewed the PEIR mitigation measures and clarified, refined and amplified to incorporate some of the suggestions provided by CBD (see PEIR Addendum, **Chapter 4.0, Mitigation Measures**). The PEIR states (PEIR 1.0-18), that in order to use the document for streamlining purposes, a lead agency must apply mitigation measures in the PEIR or comparable measures. It is up to the lead agency to determine the appropriate mitigation measure as SCAG recognizes the specifics of a project including site conditions and community values will dictate the appropriate mitigation. SCAG provides guidance for project-specific mitigation measures commensurate with SCAG's role and authority and regional perspective. It is appropriate and necessary that local

jurisdictions select, and tailor mitigation measures based on their judgment as to what constitutes a significant impact and the mitigation measures appropriate to their circumstances.

SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Regarding cumulative impacts, the PEIR appropriately analyzes the “whole of the action”, meaning, all projects, policies, and strategies within the Plan are evaluated as one action. That is to say, while the PEIR does recognize that impacts can vary based on the type of project (i.e., rail, highway, land development, etc.), the regional effect of these projects is viewed in combination. The PEIR does not attempt to analyze any one particular project, which as described above, is not appropriate for this regional document. Instead the PEIR recognizes the complex interaction between land use and transportation projects and the environment.

See also **Response CBD 1-3** regarding the differences between a Program EIR and a Project EIR.

Response CBD 1-5

The comment states that the FEIR fails to adequately assess and mitigate impacts to mountain lions, wildlife movement, and habitat connectivity.

See **Responses CBD 1-3** and **CBD 1-4** regarding appropriate level of detail in a Program EIR.

On April 16, 2020, the California Fish and Game Commission (CFGC) determined that the petition to list the mountain lion as threatened or endangered may be warranted and became a candidate of California Endangered Species Act (CESA) listing. The determination of candidacy began a 12-month status review, which is currently underway. The Southern California/Central California Coast Evolutionarily Significant Unit (ESU) of mountain lion will remain a candidate species during the CDFW’s one-year status review process. California law affords protection to candidate species as if they were already listed as threatened or endangered.

There are numerous protected species in the SCAG Region (see PEIR Tables 3.4-2 and 3.4-3); it is not possible to determine which of these species may be impacted by specific projects (see **Response CBD 1-3** regarding Program and Project EIRs). Rather, the Connect SoCal Plan takes a multi-species benefit approach to conservation, intended to protect and enhance the SCAG region’s high-level of biodiversity. While Connect SoCal does not directly reference mountain lion populations, the Plan includes key conservation approaches for the species’ survival, including habitat preservation, restoration, and connectivity.

Due to the scope and scale of the six county-wide SCAG region, PEIR analyses were limited to plants and animals listed in regional databases with georeferenced known locations (such as the California Natural Diversity Data Base [CNDDDB]). The impact analysis reviewed potential environmental impacts to sensitive biological resources from a regional perspective and is programmatic in nature. As such, lead agencies for each individual project will determine the level of environmental review required at the subsequent project-level evaluation of individual projects.

Project specific analysis and reporting will be required, and specific environmental documents are to be prepared that must consider local regulations, as outlined in project level mitigation measures, for example when a project will:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

Moreover, jurisdictions within the SCAG region are aiming to reduce habitat loss and increase connectivity. Ventura County adopted the Habitat Connectivity and Wildlife Corridor project in March 2019. The project included the development of regulations and revisions to zoning ordinances (see Ventura County Ordinance No. 4537 and 4539) and general plan policies to address habitat loss and fragmentation resulting from urban growth.⁸ The California Department of Transportation (Caltrans) has also planned a wildlife life crossing through Route 101 Freeway at Liberty Canyon Road in Agoura Hills, see PEIR page 3.4-42.

Connect SoCal includes a \$1 billion initiative to develop a Regional Advanced Mitigation Program (RAMP) as part of the Connect SoCal's Core Vision for Sustainable Development. SCAG anticipates that the RAMP will be funded from new revenues that are reasonably available over the life of the Plan, including the implementation of mileage-based user fees at the state and local levels.⁹ The RAMP would establish and/or supplement regional conservation and mitigation banks and/or other approaches to offset the impacts of

⁸ VCRMA. *Habitat Connectivity and Wildlife Corridor*. Available online at: <https://vcrma.org/habitat-connectivity-and-wildlife-movement-corridors>.

⁹ For more information regarding SCAG's fiscal analysis, please refer to Chapter 4: Paying our Way Forward and Transportation Finance Technical Report of the Plan.

transportation and other development projects. The program structure would be determined in the future by potential implementing entities within the region.

Inclusion of a RAMP in Connect SoCal is based upon an assessment of regional need and the support of stakeholders throughout the region. Support for regional advance mitigation programs as a key element of transportation planning strategy is growing nationally and statewide. Transportation agencies within California, and specifically the SCAG region, have been at the forefront of this trend. Due to SCAG's limited authority, the RAMP would not be able to acquire property in the same way that SANDAG's RAMP would. Instead, SCAG's role would focus more on agency coordination. SCAG plans to work with stakeholders in the future to identify how the RAMP can be structured and implemented and continue to support advance mitigation initiatives throughout the region.

To assist in defining the RAMP, SCAG is currently leading a multi-year effort to develop a Regional Greenprint that will provide an easily accessible resource to help municipalities, conservation groups, developers and researchers prioritize lands for conservation based on the best available scientific data. The Greenprint will serve as a strategic web-based conservation tool to provide the best available scientific data and scenario visualizations to help cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farmlands. Through an active, funded partnership with The Nature Conservancy, SCAG will deploy a regional Greenprint tool by 2022 to serve as an online mapping platform illuminating the multiple benefits of natural and agricultural lands through data related to key topics such as habitat connectivity, biodiversity, clean water, agriculture, and greenhouse gas sequestration. Ultimately, the Regional Greenprint effort will also produce a whitepaper on Regional Advance Mitigation Planning including approaches for RAMP in the SCAG region, needed science and analysis, models, challenges and opportunities and recommendations.

Furthermore, the Plan's Core Vision for Sustainable Development includes strategies intended to support implementation of the SCS, as well as a collection of land use tools that can support protection of mountain lion habit. The Green Region strategy seeks to "preserve, enhance and restore regional wildlife connectivity" (Connect SoCal, page 50). Land use tools that are supported for implementation at the local level to meet this objective include Transfer of Development Rights; Urban Greening; and Greenbelts and Community Separators. Each of these strategies include policy language that directly calls for protecting wildlife habitat, enhancing biodiversity, and/or restoring habitat connectivity (Connect SoCal page 53).

Finally, the Natural & Farmlands Technical Report contains "Recommended Policies" and "Next Steps" that will benefit mountain lions, including improving natural corridor connectivity; encouraging advance mitigation programs; and encouraging jurisdictions to work across county lines (Connect SoCal, page 21-22).

Natural and Farmlands Conservation Technical Report Policies ¹⁰

- Improve Natural Corridor Connectivity. Encourage and facilitate research, programs and policies to identify, protect and restore natural habitat corridors, especially where corridors cross county boundaries. Additionally, continue support for preserving wildlife corridors and wildlife crossings to minimize the impact of transportation projects on wildlife species and habitat fragmentation.
- Facilitate Partnerships and Collaboration. Encourage, cultivate, and facilitate partnerships and collaboration on natural/ farmlands policies and programs between public, educational and non-profit agencies throughout the SCAG region.
- Encourage Regional Conservation. Planning Seek and expand engagement with resource and permitting agencies, County Transportation Commissions, Caltrans, California High Speed Rail Authority and other partners on regional advance mitigation and integrated regional conservation planning.
- Support Innovative Land Use Policies. Recognize the region’s growth potential and its inherent connection between the conservation of existing natural/farmlands and strategies to promote infill, such as transfer of development rights and land banking, which relieve pressure to expand the urban footprint. Additionally, continue efforts to work toward identifying priority conservation areas, including habitat and farmland areas, to permanently protect as part of future regional plans.
- Encourage Urban Greening/Green Infrastructure. Support planning and implementation efforts that improve the relationship between the urban built environment and the urban natural environment, such as urban forestry, urban greenways and trail systems, watershed management and expansion of green infrastructure systems.

The PEIR includes plan-level and project-level mitigation measures aimed at reducing urban sprawl, preserving natural ecosystems, and reducing human-induced impacts on wildlife in the SCAG region, including the Southern California/Central California Coast ESU of mountain lions, see **SMM POP-1** through **SMM POP-5**; **SMM BIO-1** through **SMM BIO-3**; and **PMM BIO-1** through **PMM BIO-4**. The PEIR Addendum provides expanded background information on mountain lions and other species as identified by the commenter (see PEIR Addendum **Chapter 4.0, Mitigation Measures**).

The new information further clarifies the significant impacts already identified in the PEIR, including Impact BIO-1 – impacts to sensitive species, and Impact BIO-4 – impacts to wildlife corridors.

¹⁰ Connect SoCal, Natural and Farmlands Technical Report.

After Connect SoCal is adopted in its entirety, SCAG will continue collaboration with stakeholders to guide implementation of recommended policies and chart a course for next steps.

Response CBD 1-6

The comment states that the candidacy status for the Southern California mountain lion populations qualifies as significant new information under CEQA and as a candidate species of CESA, any impact to the mountain lion should require a mandatory finding of significance and the adoption of all feasible mitigation measures. SCAG has expanded the discussion and analysis related to PEIR impact BIO-1 (see Addendum **Chapter 3.0, PEIR Clarifications**). This expanded discussion clarifies and amplifies the existing background information and analyses and does not represent significant new information which would materially change the analysis. The CBD comments were received outside of the comment period, no formal response was required, and even if SCAG had responded prior to certification, because the comments did not raise significant new information or issues, recirculation was not required.

SCAG identified in the PEIR that implementation of the transportation projects identified in the Plan and development projects anticipated to occur under the Plan would result in a significant impact to wildlife movement and habitat, see PEIR page 3.4-86. The PEIR identifies 135 listed species and biological resources within the SCAG region, see Table 3.4-2 on page 3.4-7 of the FEIR. Due to the size of the SCAG region and the duration of the Plan, it is not possible, nor is it appropriate at the program level, to evaluate how each species may be individually impacted by the transportation projects identified in the Plan and development projects anticipated under the Plan. In order to reduce the impacts to wildlife from implementation of the Plan, both plan level and project level mitigation measures are included in the PEIR, see **SMM BIO-3** and **PMM BIO-1** through **PMM BIO-3**.

The commenter suggests SCAG coordinate with CDFW to determine if a “take” permit is required. As described above, SCAG is not an implementing agency and does not have the authority to coordinate with CDFW on take permits, or to implement mitigation specific to mountain lion habitat. The PEIR (page 9.0-116) found that the Plan would interfere substantially with the movement of any native resident or migratory fish or wildlife species, such as mountain lion, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites and would result in a significant and unavoidable impact (Impact BIO-4, Section 3.3, Biological Resources). Numerous project level mitigation measures were identified for migratory species (including mountain lions). These measures included consulting with “wildlife corridor authorities”; counties, cities, and other local organizations; USFS, CDFW, and USFWS and other agencies for projects that could impact wildlife corridors or migration for project planning. The PEIR also includes project-specific mitigation measures consistent with the multi-species

approach taken in the analysis. For example, PMM BIO-4 has been expanded to provide further clarifications (see **Chapter 4.0, Mitigation Measures, PMM BIO-4**).

The commenter provides many mitigation measures throughout the comment letter in order to reduce impacts posed to mountain lions. The suggested mitigation has been reviewed by SCAG, and to address CBD's comments SCAG has refined/clarified mitigation measures, where applicable. **Chapter 4.0, Mitigation Measures**, of the PEIR Addendum. Measures suggested by CBD that relate to regional connectivity and habitat preservation, which will also mitigate impacts to mountain lions, have been added to **PMM-BIO-1** and **SMM-BIO-1**; see PEIR Addendum **Chapter 4.0, Mitigation Measures**. The PEIR Addendum includes clarifications to the PEIR; see PEIR Addendum **Chapter 3.0, PEIR Clarifications**.

The new information further clarifies the significant impacts already identified in the PEIR, including Impact BIO-1 – impacts to sensitive species, and Impact BIO-4 – impacts to wildlife corridors.

Response CBD 1-7

The comment states that the PEIR fails to adequately assess and mitigate the sprawl-inducing impacts of approved major highway projects.

The Connect SoCal Plan includes land use strategies and transportation projects and supporting strategies that generally encourage population growth in urban areas and high-quality transit areas (HQTAs). These land use strategies include focusing growth near destinations and mobility options, promoting diverse housing choices, leveraging technology innovations, supporting implementation of sustainability policies, and promoting a green region. The land use development pattern of the Plan assumes a significant increase in small-lot single-family, and multi-family housing that is expected to mainly occur in infill locations near transit infrastructure in HQTAs and neighborhood mobility areas. Implementation of the Plan's land use development pattern would accommodate 60 percent of new homes and 73 percent of new jobs located within Priority Growth Areas (PGAs). This will move the region towards more compact, mixed-use development and reduce sprawl as compared to growth without Plan implementation.

The PEIR indicates that unplanned population growth may occur due to the extension of roads or other transportation projects, citing the impact as significant, see PEIR page 3.14-21. As a result, the PEIR includes plan-level and project-level mitigation to reduce this impact; see **SMM POP-1** through **SMM POP-5**. The PEIR also includes mitigation to reduce the impact of growth on wildlife and natural habitat; see **SMM BIO-1** through **SMM BIO-3** and **PMM BIO-1** through **PMM BIO-4**. The commenter identifies mitigation measures to reduce the risks associated with urban sprawl. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0 Mitigation Measures**.

Response CBD 1-8

The comment states that the FEIR fails to adequately assess and mitigate the impacts of more roads and increased sprawl development to mountain lions in the Southern California region. Additional background information specific to mountain lions is included in **Chapter 3.0, PEIR Clarifications**, of the PEIR Addendum.

The new information further clarifies the significant impacts already identified in the PEIR, including Impact BIO-1 – impacts to sensitive species, and Impact BIO -4 – impacts to wildlife corridors.

See **Response CBD 1-4** through **Responses CBD 1-7** for discussion of impacts to wildlife and mountain lions in particular.

Response CBD 1-9

The comment states that the FEIR fails to adequately describe, assess, and mitigate the impacts of sprawl development and edge effects associated with human activities on mountain lions. Additional background information specific to mountain lions is included in the PEIR Addendum, see PEIR Addendum **Chapter 3.0, PEIR Clarifications**.

See **Response CBD 1-4** through **Responses CBD 1-7** for discussion of impacts to wildlife and mountain lions in particular.

Response CBD 1-10

The comment states that the PEIR fails to adequately assess and mitigate the impacts of mountain lions from the increased frequency of wildfires caused by human ignitions due to placing more homes in fire-prone habitat.

See **Response CBD 1-4** through **Responses CBD 1-7**. Additional PEIR clarifications specific to mountain lions is included in the PEIR Addendum, see PEIR Addendum **Chapter 3.0, PEIR Clarifications**. The PEIR identifies plan-level and project-level mitigation to reduce the impact posed by human induced wildfires which would in turn reduce impacts to mountain lions, see **SMM WF-1** through **SMM WF-3** and **PMM WF-1** through **PMM WF-2**. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 1-11

The comment summarizes the importance of mountain lions in the region and asserts the importance of increasing landscape connectivity. Additional information specific to mountain lions is included in the PEIR Addendum, see PEIR Addendum **Chapter 3.0, PEIR Clarifications**.

The new information further clarifies the significant impacts already identified in the PEIR, including **Impact BIO-1** – impacts to sensitive species, and **Impact BIO -4** – impacts to wildlife corridors.

See also **Responses CBD 1-4** through **Responses CBD 1-7**.

Response CBD 1-12

The comment states that while SCAG implements many mitigation measures in order to reduce the impacts of more roads and increased sprawl development on wildlife movement and habitat connectivity, the measures are insufficient. Specifically, the commenter asserts that **PMM BIO-4** falls short of addressing regional wildlife connectivity as it fails to evaluate buffers. However, **PMM BIO-4** does identify wildlife movement buffer zones as a project-level measure that should be considered as appropriate. See **Responses CBD 1-3** and **1-4** related to evaluation of regional scale impacts.

The PEIR includes plan-level mitigation measures in order to address urban sprawl and wildlife connectivity, see **SMM POP-1** through **SMM POP-5** and **SMM BIO-1** through **SMM BIO-3**, see PEIR Addendum **Chapter 4.0, Mitigation Measures**, for refinements to these measures. As addressed in **Response CBD 1-6**, the Connect SoCal Plan focuses growth in HQTAs which will reduce urban sprawl by planning housing and job growth in existing urban areas.

Response CBD 1-13

The comment states that the PEIR fails to adequately assess and mitigate impacts of roads and sprawl development on regional wildlife connectivity.

See **Response CBD 1-12**. The PEIR includes plan-level and project-level mitigation to reduce the impacts from anthropogenic features, see **SMM NOI-1** and **PMM NOI-1** through **PMM NOI-2**.

Response CBD 1-14

The comment states that the PEIR fails to adequately mitigate impacts to regional wildlife connectivity and transportation projects should be required to enhance wildlife connectivity prior to approval for funding. Mitigation measure **PMM BIO-4** identifies wildlife movement buffer zones as a project-level measure that should be considered as appropriate.

See **Response CBD 1-4** through **Response CBD 1-7** for discussion of impacts to wildlife and mountain lions in particular.

Response CBD 1-15

The comment summarizes the health risks associated with air pollution, specifically focusing on ozone, fine particulate matter, and toxic air contaminants (TACs) which are of the greatest concern in urban areas of Southern California.

As stated in **Response CBD 1-6**, the Connect SoCal Plan is intended to focus growth in HQTAs, with 60 percent of new homes and 73 percent of new jobs being located in these PGASs which include existing main streets, downtowns, and commercial corridors. Through focusing on concentrated growth patterns and through vehicle emission reduction policies, such as the federal SAFE Vehicles Rule, and CARB programs, SCAG estimates that mobile-source ozone precursors (ROG and NOx) are expected to decrease in every county under implementation of the Plan, see PEIR Table 3.3-16. Mobile-source particulate matter is expected to increase in every county except Los Angeles County (which will see a decrease) and Ventura County (which will remain the same) from 2019 to 2045, see PEIR Table 3.3-16. As stated on PEIR page 3.3-69, the increases in particulate matter emissions from the Plan have the potential to worsen health concerns for sensitive groups. As a result, the FEIR includes several mitigation measures that would reduce particulate matter emissions, as detailed below.

The PEIR also included an analysis of the health risk posed to sensitive receptors living along heavily trafficked transportation segments in the SCAG region, see Appendix 3.3, Health Risk Technical Assessment. The health risk assessment (HRA) evaluated the cancer risks posed to residences, schools, retirement homes, and day care facilities from diesel particulate matter (DPM), a type of TAC. The HRA determined that the health risks posed to these receptors after implementation of the Plan would be less than baseline conditions (2019).

Therefore, while the PEIR does not specifically evaluate the air quality impacts and health risks posed to wildlife from Plan implementation, the PEIR does evaluate the criteria air pollutant emissions and health risks posed to the populations living nearest heavily trafficked transportation segments. Any reduction in air pollutant emissions as a result of the Plan would also be expected to benefit wildlife populations. See also **Responses CBD 1-16** and **Response 1-17** regarding evaluation of health risks.

The PEIR identifies plan-level and project-level mitigation measures to reduce air quality, greenhouse gas, and health risk impacts. Implementation of these measures will further reduce air quality and greenhouse gas emissions, which will benefit communities throughout the SCAG region as well as wildlife impacted

by air pollution, see SMM AQ-2 through SMM AQ-3; PMM AQ-1; SMM GHG-1 through SMM GHG-4; and PMM GHG-1.

Response CBD 1-16

The comment asserts that the FEIR must adequately analyze the potential health risks, including cumulative impacts, that may occur from air pollution generated directly or indirectly by the Plan, including projects funded or included in the Plan as CEQA Guidelines require EIRs to discuss health impacts that are reasonable foreseeable consequences of a project including acrolein, benzene, 1,3-butadiene, diesel particulate matter, formaldehyde, naphthalene, polycyclic organic material, and TACs.

Ozone is not emitted directly but is formed in the atmosphere from chemical reactions of NO_x and VOCs in the presence of sunlight. Local ozone concentrations vary from location to location and day to day driven by changes in weather patterns that influence the chemistry and physical transport of NO_x and VOCs. Ozone can last in the atmosphere anywhere from days to weeks. As a result, local ozone is difficult to model and is often modeled as an average seasonal concentration.¹¹ As stated on PEIR page 3.3-70, according to the SCAQMD in its amicus brief to the California Supreme Court in Friant Ranch, from a scientific standpoint, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire air basin, and provided evidence from its 2012 AQMP that showed that if the daily emissions of NO_x and ROG were reduced in amounts of 432 and 187 tons per day respectively, the ozone concentrations at SCAQMD's monitoring site would go down by only 9 parts per billion as compared to ozone readings without these ROG and NO_x reductions.

In order to evaluate the risk ozone poses to sensitive groups, the US EPA and CARB have set NAAQS and CAAQS, respectively, for ozone concentrations. Significantly harmful health effects could occur among adults and children if exposed to levels above these standards.¹² Therefore, particulates are frequently used to assess respiratory health in cancer risk assessments. Diesel engine emissions are known to be responsible for about 70% of California's estimated known cancer risk attributable to toxic air contaminants.¹³ Approximately 90% of diesel exhaust is made up of DPM.¹⁴ As a result, DPM is regularly used as a proxy for all particulate matter in health risk assessments. As such, the PEIR's analysis of cancer risk is appropriate for a regional level document focused on transportation. It would be infeasible for the

¹¹ Congressional Research Service. 2019. *Background Ozone: Challenges in Science and Policy*. Available: <https://fas.org/sgp/crs/misc/R45482.pdf>, accessed May 5, 2020.

¹² CARB. *Ozone & Health*. Available: <https://ww2.arb.ca.gov/resources/ozone-and-health>, accessed May 5, 2020.

¹³ California Air Resources Board. *Overview: Diesel Exhaust & Health*. Available: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed July 2, 2020.

¹⁴ California Air Resources Board. *Overview: Diesel Exhaust & Health*. Available: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed July 2, 2020.

PEIR to include detailed analysis and studies on the health risks of all pollutants associated with Plan projects. As described above, the Plan includes thousands of transportation projects, the details of which are not known to SCAG.

With regard to cumulative impacts of individual transportation and land use projects, use of a program-level approach provides consideration of the cumulative effects of these projects contemplated over the 25-year planning horizon and avoids duplicative reconsideration of the basic policy consideration in the Plan related to land use patterns, alternative modes of travel, active transportation, and sustainability. As specified by Section 15168(c) of the *State CEQA Guidelines*, subsequent activities analyzed in the PEIR must be examined to determine whether an additional environmental document must be prepared. If a later activity would have effects that were not examined in the PEIR, a new initial study would need to be prepared to determine the appropriate level of environmental documentation pursuant to CEQA (See *CEQA Guidelines* § 15002(k)).

See also **Response CBD 1-3** regarding programmatic and project EIRs and **Response CBD 1-17** and **Response CBD 1-20** regarding evaluation of health risks.

Response CBD 1-17

The comment states that the South Coast Air Quality Management District (SCAQMD) submitted comments on the EIR that were not sufficiently addressed.

The SCAQMD submitted a comment letter to SCAG on January 24, 2020. Responses to SCAQMD comments were provided within the Final PEIR released March 31, 2020 (see PEIR pages 9.0-39 to 9.0-53). The SCAQMD noted within their comment letter that the Draft PEIR incorrectly assigns reduction credit of air emissions to the Plan and the Draft PEIR used an incorrect baseline (existing conditions rather than future without the Plan) to determine significance.

Environmental impacts for the PEIR were determined by applying the thresholds of significance which compare future Plan conditions to the existing environmental setting (See *CEQA Guidelines* §15126.2(a)). The PEIR must identify significant impacts that would be expected to result from implementation of the Plan. Significant impacts are defined as a “substantial or potentially substantial, adverse change in the environment” (Public Resources Code § 21068).¹⁵ Significant impacts must be determined by applying explicit significance criteria to compare the future Plan conditions to the existing environmental setting (*CEQA Guidelines* § 15126.2(a)).¹⁶ The existing setting is described in detail in each resource section of

¹⁵ California Legislative Information. *Public Resources Code – PRC, Division 13. Environmental Quality, Chapter 2.5. Definitions [21060-21074]*.

¹⁶ CEQA. *Article 9. Contents of Environmental Impact Reports*.

Chapter 10.0 of this document, and represents the most recent, reliable, and representative data to describe current regional conditions at the time of publication of the NOP for the PEIR, January 23, 2019. In most instances, the most recent available data was for 2018 or 2019. For population, land use and related modeling analyses (air quality, transportation and noise), base year information is collected every four years as part of the Plan. The base year for the Plan is 2016. For purposes of the PEIR baseline, 2019 data has been estimated based on an interpolation of 2016 to 2045 projections. Available data that differs from this generalized explanation and used to determine existing conditions is specified in each resource section in Chapter 3.0 of this document.

The existing environmental setting was described in detail for each of the resource categories (see Chapter 1.0, Introduction, and Chapter 3.0, Environmental Analysis, for further clarification) and represents the most recent and representative data to describe current regional conditions during the publication of the NOP for the PEIR.

While SCAG uses existing conditions as the baseline to assess the significance of potential environmental impacts, as is the default under CEQA, the PEIR nevertheless identifies Future No Project (i.e., future no build) impacts compared to Future Plan impacts for the information of the public and decision makers. Adding anticipated increases in traffic to existing conditions (and using existing emission factors) would be unreasonable; SCAG is no more responsible for all the growth in the region than it is responsible for changes in emissions factors. SCAG conservatively analyzes changes in the region between 2019 and 2045 as a whole in the context in which they could reasonably occur.

The environmental baseline as used in the PEIR is, in fact, the existing physical conditions, i.e., the condition on the ground as of 2019. Only those projects that are existing and operational today are considered in the environmental baseline. However, the RTP baseline is different (referred to as the 2045 No Project in the PEIR) and includes transportation projects underway. This difference is to account for the federal requirements for RTPs, which require a baseline that shows the difference between a plan and no plan scenario. The alternatives analysis also appropriately compares 2045 conditions to existing conditions.

As discussed in the PEIR, in general, as compared to existing (2019) conditions, on-road vehicle emissions are anticipated to decrease by the 2045 horizon year (PM10 would increase in Imperial, Orange, Riverside, and San Bernardino Counties and PM2.5 would increase in Imperial, Riverside, and San Bernardino Counties), these reductions can be attributed to CARB regulations and efforts at implementing cleaner fuel standards and promoting lower emitting vehicles. These reductions would occur regardless of implementation of the Plan. In much the same way that growth would occur regardless of the Plan. The control measures set by CARB cannot be separated from future emissions. The PEIR cannot separate out all emissions anticipated to occur only as a result of the Plan. As explained in detail in the PEIR, the

comparison to existing conditions is the appropriate baseline consistent with CEQA requirements (CEQA Guidelines § 15125).

In response to the SCAQMD, it was noted that Connect SoCal is a planning document that supports a combination of transportation and land use strategies to achieve reductions in emissions. On-road vehicle emissions are anticipated to decrease by the horizon year (2045), these reductions can be attributed to CARB regulations, efforts at implementing cleaner fuel standards, and promoting lower emitting vehicles. These reductions would occur regardless of implementation of the Plan (FEIR page 9.0-42). As the Plan is a transportation and land use planning document, it does not take credit for any of the air quality rules, regulations, or technologies that CARB has implemented. However, the control measures set by CARB cannot be separated from future emissions. Similarly, the PEIR cannot separate out all emissions anticipated to occur only as a result of the Plan. See page 9.0-42 of the FEIR for the full comments made to the SCAQMD regarding emission reduction credits.

As noted by the commenter, Federal SAFE Rule Part 1 and Part 2 would reduce emission reductions. The impacts of the SAFE rules are discussed below in **Response CBD 1-21**.

As explained in the PEIR, in *California Building Industry Association (CBIA) vs. Bay Area Air Quality Management District (BAAQMD)*, the California Supreme Court ruled that agencies subject to CEQA generally are not required to analyze the impact of existing environmental conditions on a project's future users or residents unless the proposed project risks exacerbating those environmental hazards or conditions that already exist.¹⁷ Therefore, emissions from the existing transportation network, including freeways, are generally not considered impacts under CEQA unless the project exacerbates the existing environmental conditions.¹⁸ The Connect SoCal includes transportation projects, including freeway improvements, that could occur within 500 feet of sensitive receptors (thereby having the potential to exacerbate an existing condition), and therefore the EIR evaluated the risk posed from existing freeways on sensitive receptors. However, the PEIR found that Connect SoCal would not exacerbate the existing risk from freeways.

Consistent with the SCAQMD's cancer risk threshold of "Maximum Incremental Cancer Risk \geq 10 in 1 million," the incremental difference between horizon year (2045) and baseline conditions (2019) were used

¹⁷ *Cal. Building Industry Assn. v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369; see also *Cal. Building Industry Assn. v. Bay Area Air Quality Management District* (2016) 2 Cal.App.5th 1067.

¹⁸ CEQA review of school construction generally does require an evaluation of the effects of existing air quality exposure on pupils, and to the extent the health risk is unacceptable, the school would not be built. CEQA also provides limited protection and requires analysis of impacts of the existing environment on certain housing development projects exercising exemptions under Pub. Res. Code §§ 21159.21(f), (h), 21159.22(a), (b)(3), 21159.23(a)(2)(A), 21159.24(a)(1), (3), and 21155.1(a)(4), (6).

to determine project cancer risk impacts. Since the incremental cancer risk does not exceed 10 chances in a million and actually decreases as compared to baseline emissions, the health risk posed to receptors near these heavily trafficked roadways remains less than significant.

Response CBD 1-18

The comment introduces an outside consultant (SWAPE) hired to review the air quality and greenhouse gas analysis. See **Responses CBD 1-19** and **CBD 1-20** regarding the issues raised in the referenced letter.

Response CBD 1-19

The comment states that CEQA requires that the lead agency adopt all feasible mitigation measures which will avoid or substantially lessen the significant impacts of the project but claims that the PEIR does not demonstrate that SCAG considered all potentially feasible mitigation measures.

As stated in **Response CBD 1-4**, SCAG only serves as the lead agency in the preparation of the Connect SoCal Plan and supporting PEIR. SCAG does not serve as the lead agency for any individual project and, as a result, has limited authority to require any individual project to adopt mitigation. Regardless, the measures suggested by CBD have been added to the framework of recommended project-level mitigation measures as appropriate in **PMM-AQ-1**; see PEIR Addendum **Chapter 4.0, Mitigation Measures**. See also **Response CBD 1-3** regarding programmatic vs project EIR.

Response CBD 1-20

The comment states that the project failed to disclose the health risks of siting residential development or other sensitive uses adjacent to freeways or highways. Furthermore, the FEIR failed to offer any real mitigation measures to address these public health impacts of the Plan.

The FEIR includes Appendix 3.3, Health Risk Technical Assessment, in order to evaluate the cancer risk posed to nearby residences, schools, senior retirement homes, and day care centers located near highly traffic transportation segments across the SCAG region. In total, sixteen transportation segments were chosen based on the density of heavy-duty diesel truck traffic and the proximity to sensitive receptors in order to determine a conservative health risk under the baseline (2019) conditions and future conditions (2045) under the Plan. The health risk assessment provided in Appendix 3.3 estimates the risk posed to the sensitive receptors most impacted by mobile-source traffic in the SCAG region. Throughout the Plan, other sensitive land uses may be placed in the close proximity to freeways, however due to the size of the Plan area and duration of the Plan, it is impossible to know where. Therefore, the health risk assessment provided can serve as a proxy to evaluate that impact.

SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

See also **Response CBD 1-17** regarding the appropriate baseline and how the risk analysis in the PEIR is consistent with CEQA requirements.

Response CBD 1-21

The comment states that SCAG must recirculate the EIR because it fails to account for the changes made in vehicle emissions caused by the Safer, Affordable, Fuel-Efficient (“SAFE”) Vehicles Rule in two parts. The commenter argues that the failure to analyze the increases of emissions from SAFE Rule Part 1 as well as the need to include the estimated increase from SAFE Rule Part 2 that would impact the GHG, criteria pollutant, and public health analysis of the FEIR.

For the Final Plan, SCAG undertook updated transportation and air quality modeling to reflect refinements including: 1) an updated project list, 2) modifications to land use patterns, and 3) adjustments to EMFAC 2014 to reflect the SAFE Rule Part 1 (see PEIR pages 8.0-4 to 8.0-8). The adjustments to EMFAC 2014 were provided by CARB. The resultant changes to analyses and modeling from these refinements taken together were minor and did not result in substantial changes to the information presented in the Draft EIR (see Final EIR pages 8.0-8 through 8.0-15).

After publication of the Final EIR on March 27, 2020, the SAFE Rule Part 2 was signed into law (March 31, 2020, published in the Federal Register April 30, 2020 and effective June 29, 2020). SCAG worked with CARB, USEPA, and FHWA/FTA to identify whether further adjustments to SCAG modeling were necessary to reflect SAFE Rule Part 2. It was determined by CARB (and accepted by US EPA and FHWA) that no additional EMFAC off-model adjustment factors were needed to account for the SAFE Rule Part 2, and therefore no further adjustments have been made to SCAG modeling as a result of the SAFE Rule Part 2.

Response CBD 1-22

The comment states that SCAG should postpone the May 7th hearing on the Plan and the FEIR due to the COVID-19 crisis. Furthermore, the comment states that the hearing should be postponed because the economic projections following the COVID-19 situation present a much different situation than when the Plan and FEIR was prepared.

The COVID-19 situation is ongoing and uncertain. The situation presents a unique challenge that could not have been predicted or modeled for during the preparation of the Connect SoCal Plan. It is acknowledged that all leading economic indicators predict a downturn in the California economy. However, this does not

absolve state and local agencies from their obligation to continue their planning efforts to continue to improve living conditions for all Californians, and as such agencies have a responsibility to continue developing, reviewing and approving future plans.

While the May 7 hearing was not postponed, the Plan was adopted for limited purposes only (conformity) and staff committed to taking 120 days to review all the issues raised by the commenter and others. The result of that 120-day review is summarized in the PEIR Addendum.

Response CBD 1-23

The comment provides conclusionary remarks in order to provide a reminder to SCAG of its duty to maintain and preserve all communications and records. SCAG fully recognizes and acknowledges this obligation. CBD's letter provides valuable input to the Plan process and SCAG has prepared an Addendum to clarify and expand upon certain information and refined mitigation measures in response to some of the issues raised in the letter.



May 6, 2020

Sent via email

President Bill Jahn
 Southern California Association of Governments
 Attn: SCAG Regional Council
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 Tess Rey-Chaput, Staff Contact
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Re: Proposed Final Connect SoCal Plan and Final Program Environmental Impact Report (State Clearing House Number 2019011061)

Dear President Jahn and Regional Councilmembers:

These comments are submitted on behalf of the Center for Biological Diversity (the “Center”) regarding the Connect SoCal 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (“Plan”) and the Plan’s Final Program Environmental Impact Report (“FEIR”). As outlined in our letter of May 1, 2020 (the “May 1 Letter”), the Center requests the Southern California Association of Governments (“SCAG”) to postpone the May 7 hearing and revise and recirculate the Plan and FEIR.

The Center understands from reviewing the staff report released on May 5 and from discussions with SCAG staff that SCAG intends to approve the Plan and FEIR on May 7 for federal transportation conformity purposes only, and then continue to work with stakeholders over the following 120 days to address remaining issues with the Plan. The Center looks forward to working collaboratively with SCAG to address our concerns over the next few months, and urges SCAG to recirculate the EIR and/or prepare a supplemental EIR in order to assist in addressing these concerns. A recirculated or supplemental EIR will help ensure that the public is able to participate fully in this critical planning process.

This letter identifies further issues with the Plan and FEIR that we hope can be resolved through future discussions and collaboration with SCAG.

1

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

I. Background on the Center

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 1.7 million members and online activists throughout California and the United States. The Center and its members have worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Southern California.

2

I. The FEIR Does Not Adequately Analyze or Mitigate the Plan’s Impacts of Nitrogen Deposition on Sensitive Habitats and Listed Species.

The Center has retained Stuart B. Weiss, Ph.D and Travis Longcore, Ph.D to evaluate the impacts of nitrogen deposition from transportation sources on sensitive habitats and species within the Plan region. Attached as Exhibit A (and incorporated by reference) is an analysis prepared by Drs. Weiss and Longcore (the “Nitrogen Deposition Analysis”) which concludes that (1) deposition of nitrogen on natural lands represents is a significant threat to sensitive resources; (2) expansion of the transportation system associated with the Plan may increase deposition of nitrogen; and (3) the FEIR does not assess the impacts of nitrogen deposition on sensitive natural resources, including listed species. The Nitrogen Deposition Analysis provides examples of mitigation projects throughout California which address increased nitrogen deposition impacts, demonstrating that feasible mitigation measures are available. The Center is submitting this analysis to highlight this regional issue which requires a regional solution, and to remind SCAG of its obligation to analyze and mitigate all reasonably foreseeable significant impacts of the Plan. Impacts on listed species such as the Quino checkerspot butterfly also require the EIR to include a mandatory finding of significance, detailed analysis of the impact, and adoption of all feasible mitigation measures. Potential impacts to listed species may also require issuance of applicable take permits under the California Endangered Species Act (“CESA”) and Federal Endangered Species Act.

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Nitrogen deposition associated with the Plan also has the potential to impact the western Joshua tree,¹ which is currently being considered for listing under CESA. On April 13, 2020, the California Department of Fish and Wildlife issued a report determining that there is sufficient scientific information available to indicate that listing of the western Joshua tree may be warranted and recommended that the petition be accepted and considered.² The California Fish and Game Commission will vote on whether to grant candidacy status to the western Joshua tree at the hearing on June 24-25, 2020. Candidacy status would then grant the western Joshua tree temporary protections under CESA, and require heightened review and analysis of projects that have the potential to directly or indirectly impact the western Joshua tree. As noted in the May 1 Letter, CESA prohibits the “take” of any candidate species absent the issuance of an incidental

¹ See Center for Biological Diversity, *A Petition to List the Western Joshua Tree (Yucca brevifolia) as Threatened under the California Endangered Species Act (CESA)* (Oct. 15, 2019), available at <https://www.biologicaldiversity.org/species/plants/pdfs/CESA-petition-Western-Joshua-Tree-10-15-19.pdf>.

² State of California, Natural Resources Agency, Department of Fish and Wildlife, *Report to the Fish and Game Commission, Evaluation of a Petition from the Center for Biological Diversity to List Western Joshua Tree (Yucca brevifolia) as Threatened under the California Endangered Species Act* (February 2020), available at https://www.biologicaldiversity.org/species/plants/pdfs/SS_04_15-16_Item_19_Western-Joshua-Tree-consent.pdf.

take permit. (Fish & Game Code §2080; Cal. Code Regs., tit. 14, § 783.1.) As such, candidacy status would require incidental take permits for actions that may result in the take of western Joshua trees. The EIR must analyze this issue and SCAG should coordinate with the California Department of Fish and Wildlife to ascertain whether an incidental take permit is required.

3

II. The FEIR Fails to Adequately Assess and Mitigate Impacts of Sprawl Development in High Fire-prone Areas to Wildfire Risk.

Fire is a natural and necessary ecological process for many different ecosystems within the region; however, increased human-caused ignitions and the expansion of flammable non-native grasses has led to increased fire activity in the area, which is harmful to numerous biological resources and people. Although the Plan “de-prioritizes growth on lands that are vulnerable to wildfire” (Plan at 47), the Plan fails to acknowledge the potential impacts of more fire ignitions from placing homes and people in high fire-prone areas. The FEIR points to changing climate as the primary driver of increased fire-risk, stating that the wildfires of 2017 and 2018 were “created by perfect fire conditions” due to “record-breaking” heat, years of drought, and an increase of forest pests and disease linked to climate change (FEIR at 3.20-4). The FEIR neglects to mention the major role sprawl development has had in increasing wildfire ignitions, fire frequency, and burned area over the past few decades.

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On November 13, 2018, the Center sent a letter to the San Diego County Board of Supervisors discussing the wildfire impacts of poorly planned development in San Diego County (the “November 13 Letter”). A copy of the November 13 Letter is attached hereto as Exhibit B and is hereby incorporated by reference. The issues raised in the November 13 Letter are equally applicable to the Connect SoCal Plan and FEIR—(1) developments in fire-prone natural areas that have historically burned have the highest chances of burning; (2) development in fire-prone areas will lead to more frequent fires in Southern California; (3) public safety in developments in high fire-prone areas cannot be guaranteed; (4) developments often contain insufficient fire safety measures and fire protection plans; (5) increased human ignitions will increase unnatural levels of smoke; (6) the direct economic impacts of wildfires are worsening; (7) the devastating environmental, health, social, and economic costs of poorly-planned, leapfrog developments in areas that will burn are too great, such that there is no justification for approving this Plan as currently proposed. The FEIR does not contain sufficient analysis of these issues.

A. The FEIR Fails to Adequately Assess Wildfire Risk and the Potential Impacts of More Fire Ignitions from Placing Homes and People in High Fire-Prone Areas.

According to a report from Governor Gavin Newsom’s Office, construction of more homes in the wildland-urban interface is one of the main factors that “magnify the wildfire threat and place substantially more people and property at risk than ever before” (Governor Newsom’s Strike Force 2019). In a new scientific study, Syphard et al. (2019) found that housing and human infrastructure in fire-prone wildlands are the main drivers of fire ignitions and structure loss. This is not new information; scientists have been reporting it for many years in scientific, peer-reviewed journals, and firefighters have observed it. And the Plan acknowledges that it will result in the “direct consumption of 41,546 acres of greenfield” (FEIR at 3.4-75), most of which

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likely consists of high fire-prone habitats, like chaparral, shrub/scrubland, and grasslands. Yet the FEIR fails to adequately assess the Plan's impacts on wildfire risk by neglecting to use the best available science.

Sprawl developments with low/intermediate densities extending into habitats that are prone to fire have led to more frequent wildfires caused by human ignitions, like power lines, arson, improperly disposed cigarette butts, debris burning, fireworks, campfires, or sparks from cars or equipment (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Keeley and Syphard 2018; Radeloff et al. 2018; Syphard et al. 2019). Human-caused fires account for 95-97% of all fires in Southern California's Mediterranean habitats (Syphard et al. 2007; Balch et al. 2017). In the SCAG region counties, Keeley and Syphard (2018) found that human ignitions were responsible for 98-100% of fires between 1919-2016. Leapfrog developments in high fire-prone areas have the highest predicted fire risk (Syphard et al. 2013), and multiple studies indicate that developments with low/intermediate-density clusters surrounded by fire-dependent vegetation (*i.e.*, grasslands, chaparral, scrub) in areas with a history of fires have the highest chances of burning (Syphard et al. 2012; Bistinas et al. 2013; Syphard et al. 2013; Syphard et al. 2019). Yet, the FEIR ignores this ample scientific evidence linking sprawl development in high fire-prone wildlands with increased fire risk; the Plan could result in the placement of more homes and communities in high fire-prone areas that have burned in the past and will inevitably burn again.

The FEIR fails to acknowledge the potential wildfire hazard from increased human-caused ignitions in the SCAG region. By placing people in fire-prone areas, the induced sprawl perpetuated by the Plan would increase the number of potential ignition sources, and therefore the risk of wildfires occurring. In particular, the FEIR fails to mention the increase of electrical equipment in the SCAG region due to the Plan. Power lines and electrical equipment are a significant source of human-caused ignitions (Keeley and Syphard 2018). The 2017 Thomas Fire, 2017 Tubbs Fire, 2018 Camp Fire, and 2018 Woolsey Fire were found to have been caused by electrical transmission lines and electrical equipment, and the 2019 Kincade Fire is suspected to have been caused by power lines as well. Placing homes and people in high fire-prone areas would only increase the potential likelihood of these ignition sources, as has been documented in multiple scientific studies (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Keeley and Syphard 2018; Radeloff et al. 2018; Syphard et al. 2019). Thus, the FEIR fails to adequately assess wildfire risk in the Project area.

Although public utilities companies (*i.e.*, PG&E and Southern California Edison) are altering operations in the form of power outages and blackouts during extreme weather conditions (Callahan et al. 2019; Krishnakumar et al. 2019; Fry et al. 2019a), wildfires can still spark and spread quickly towards homes, as evidenced by the recent fires in Moraga (Hernández et al. 2019) and Saddle Ridge/Sylmar (Fry et al. 2019b). And the power outages themselves disproportionately burden our most vulnerable communities, including the elderly, poor, and disabled (Chabria and Luna 2019), and can cause traffic jams and collisions (CBS San Francisco 2019). Michael Wara, Director of the Climate and Energy Policy Program and a senior research scholar at the Stanford Woods Institute for the Environment, estimated that PG&E's power outage in Northern and Central California could have an economic impact of \$2.5 billion in

losses, with most of the burden on businesses (Callahan et al. 2019). It is clear that placing more homes and businesses in known fire-prone areas and wind corridors is irresponsible and can lead to deadly and costly consequences. Again, the FEIR fails to adequately assess and mitigate impacts of increased wildfire risk.

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B. The FEIR Fails to Adequately Assess and Mitigate the Impacts to Special-status Species Due to Increased Human-caused Ignitions.

As mentioned previously, sprawl developments with low/intermediate densities extending into habitats that are prone to fire, such as chaparral and scrub/shrubland habitats, have led to more frequent wildfires caused by human ignitions, and these types of developments have the highest chances of burning (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Syphard et al. 2013; Balch et al. 2017; Keeley and Syphard 2018; Radeloff et al. 2018; Syphard et al. 2019). This could disrupt the natural fire regime and lead to a dangerous feedback loop of deadly fires and habitat destruction.

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Much of the non-desert SCAG region is dominated by chaparral and scrub/shrublands, native California habitats that are adapted to infrequent (every 30 to 150 years), large, high-intensity crown fire regimes (Keeley and Fotheringham 2001). However, if these regimes are disrupted, the habitats become degraded (Keeley 2005; Keeley 2006; Syphard et al. 2018). When fires occur too frequently, type conversion occurs and the native shrublands are replaced by non-native grasses and forbs that burn more frequently and more easily, ultimately eliminating native habitats and biodiversity while increasing fire threat over time (Keeley 2005; Keeley 2006; Syphard et al. 2009; Safford and Van de Water 2014; Syphard et al. 2018). This could have serious consequences for special-status species in the SCAG region that rely on these native habitats for survival, such as the federally endangered Quino checkerspot butterfly (*Euphrdryas editha quino*) and the federally threatened coastal California gnatcatcher (*Polioptila californica californica*). In addition, large-scale landscape changes due to vegetation-type conversion from shifts in natural fire regimes could impact wide-ranging species like mountain lions (Jennings 2018), whose populations are already struggling in the area due to lack of connectivity and genetic isolation (Gustafson et al. 2018; Dellinger 2019). There is no mention of this in the FEIR. Thus, the FEIR fails to adequately disclose, assess, and mitigate potential wildfire impacts of the Project on special-status species.

C. The FEIR Fails to Adequately Assess and Mitigate the Potential Health and Air Quality Impacts from Increased Smoke from Human-caused Ignitions.

Human-caused wildfires at the urban wildland interface that burn through developments, as is becoming more common with housing extending into fire-prone habitats, increase the frequency and toxicity of smoke exposure to communities in and downwind of the fires. This can lead to harmful public health impacts due to increased air pollution not only from burned vegetation, but also from burned homes, commercial buildings, cars, etc. Buildings and structures often contain plastic materials, metals, and various stored chemicals that release toxic chemicals when burned, such as pesticides, solvents, paints, and cleaning solutions (Weinhold 2011).

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Increased fire frequency due to human activity and ill-placed developments lead to increased occurrences of poor outdoor and indoor air quality from smoke (*e.g.*, Phuleria et al. 2005), which can have public health effects. Hospital visits for respiratory symptoms (*e.g.*, asthma, acute bronchitis, pneumonia, or chronic obstructive pulmonary disease) and cardiovascular systems have been shown to increase during and/or after fire events (Künzli et al. 2006; Viswanathan et al. 2006; Delfino et al. 2009; Rappold et al. 2012; Liu et al. 2015; Reid et al. 2016). Children, elderly, and those with underlying chronic disease are the most vulnerable to the harmful health effects of increases in wildfire smoke. The FEIR fails to adequately assess and mitigate the Plan’s potential impacts of increased smoke exposure due to increased human-caused ignitions.

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D. The FEIR Fails to Adequately Assess and Mitigate the Impact of Increased Wildfires on Fire Protection Services and Utilities.

The FEIR fails to consider the impacts on firefighters and first responders of the Plan inducing growth and perpetuating sprawl in a high fire-prone natural areas subject to intermittent wildfires. Adding over 41,000 acres of development to these wild areas will necessitate significant firefighting costs from both state and local authorities. Cal Fire is primarily responsible for addressing wildfires when they occur, and its costs have continued to increase as wildfires in the wildland urban interface have grown more destructive. During the 2017-2018 and the 2018-2019 fiscal years, Cal Fire’s fire suppression costs were \$773 million and an estimated \$635 million, respectively (Cal Fire 2019). Note that this does not include the cost of lives lost, property damage, or clean up during these years, which is estimated to be billions of dollars. The vast majority of wildfires in Southern California are caused by humans (Balch et al. 2017; Keeley and Syphard 2018), and inducing sprawl development in high fire hazard areas will increase the frequency and likelihood of such fires (Syphard et al. 2012; Syphard et al. 2013; Radeloff et al. 2018; Syphard et al. 2019). The FEIR fails to consider how the Plan will impact utilities and state finances or draw limited fire-fighting resources from other areas. The Regional Council should not be approving a Regional Transportation Plan that will induce unsustainable sprawl in high fire-prone areas and burden future generations of California with the costs of defending and recovering even more cities from dangerous blazes.

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According to Captain Michael Feyh of the Sacramento Fire Department, California no longer has a fire season (Simon 2018); wildfires in California are now year-round because of increased human ignitions in fire-prone areas. Emergency calls to fire departments have tripled since the 1980s (Gutierrez and Cassidy 2018), and firefighters (and equipment) are being spread thin throughout the state. Firefighters often work 24- to 36-hour shifts for extended periods of time (often weeks at a time), and they are being kept away from their homes and families for more and more days out of the year (Bransford et al. 2018; Del Real and Kang 2018; Gutierrez 2018; Simon 2018; Ashton et al. 2018). In addition, the firefighting force often must rely on volunteers to battle fires year-round.

The extended fire season is taking a toll on the physical, mental, and emotional health of firefighters, as well as the emotional health of their families (Del Real and Kang 2018; Simon 2018; Ashton et al. 2018). The physical and mental fatigue of endlessly fighting fires and

experiencing trauma can lead to exhaustion, which can cause mistakes in life-or-death situations while on duty, and the constant worry and aftermath that family members endure when their loved ones are away working in life-threatening conditions can be harrowing (Ashton et al. 2018). According to psychologist Dr. Nancy Bohl-Penrod, the strain of fighting fires without having sufficient breaks can impact firefighters’ interactions with their families, their emotions, and their personalities (Bransford et al. 2018). There have also been reports that suicide rates and substance abuse have been increasing among firefighters (Simon 2018; Greene 2018). This is not sustainable.

The FEIR fails to adequately assess and mitigate the impacts to fire protection services. Placing an additional development in fire-prone areas will further burden already strained people and resources. Funding is already lacking for the increasing costs of fire suppression and property damage from wildfires in California; costs were over \$30 billion from 2010 to 2017, and the destruction from 2018’s Camp Fire and Woolsey Fire will likely cost additional billions of dollars. And the Plan provides no mechanism for developers to reimburse Cal Fire for the many millions (or billions) of dollars Cal Fire will likely expend when—not if—Southern California communities need to be defended from natural or human-caused wildfires in the vicinity. If costs are not sufficiently covered by the developers, California and federal residents end up paying in the form of fire insurance premiums and taxes that support Cal Fire and federal government subsidies and grants for homes in high risk areas. And these costs do not include other indirect/hidden costs associated with wildfires, such as the costs of doctors’ appointments, medication, sick days taken from places of work, funerals, etc. As the costs of housing in California continues to increase, these costs will also continue to rise. Given the current lack of funding and shortage of firefighting personnel, any development in high fire-prone areas should be required to provide adequate funding and resources for firefighting operations and safety measures. The FEIR fails to adequately assess and mitigate impacts of increased wildfire risk.

E. The FEIR Fails to Provide Adequate Fire Safety Measures to Effectively Mitigate Wildfire Impacts.

Although the FEIR provides mitigation measures SMM WF-1 through SMM WF-3 to participate in information sharing, education, and outreach and develop a regional resilience program, these measures are insufficient to mitigate the increased risk of human ignitions and the increased strain on firefighting resources that would accompany the Plan’s propagation of sprawl in fire-prone areas. In addition, recommended project level mitigation measures are threadbare. First and foremost, the primary recommendation to minimize impacts to wildfire risk should be to avoid placing human infrastructure in high fire-prone areas, yet this is not mentioned in any of the mitigation measures. Second, developers should be required to go above and beyond current state and federal standards and building codes to further minimize wildfire risk. While enforceable defensible space regulations is a laudable goal, recommending that developers follow the law and build to code is insufficient. Although defensible space immediately adjacent to structures, ember-resistant vents and roofing, and internal sprinklers may help make homes *fire-resistant*, even the best mitigation cannot make a development *fire-proof*. According to an analysis conducted in the aftermath of the Camp Fire, while 51% of homes built to code survived the blaze, the remaining 49% did not (Kasler and Reese 2019). In addition, homes can add fuel to fires, and fire safety is not guaranteed.

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There are other mitigation measures that should be implemented to minimize wildfire impacts sprawl development in high fire-prone areas. For example, external sprinklers with an independent water source would reduce flammability of structures (California Chaparral Institute 2018). Although external sprinklers are not required by law, water-protected structures are much less likely to burn compared to dry structures, yet the FEIR does not provide this in the recommended project level mitigation measures. In addition, local solar power paired with batteries could reduce power flow (and therefore reduce extreme temperatures) in electricity lines, which would reduce the need for power outages during extreme weather conditions and provide power for communities when outages are necessary (Lee 2019). Michael Wara argues that solar power and batteries for homes and “microgrids” linking business districts would help make communities in high fire risk areas safer because it would provide backup power for medical devices, refrigerators, and the internet to run while allowing the main power grid to get shut down (Wara 2018). Yet the FEIR does not provide, or even discuss, these mitigation measures to minimize wildfire impacts.

Public safety threats are often exacerbated by infrastructure unable to accommodate the consequences of more human-caused fires at the wildland urban interface. Thus, it is imperative that adequate safety plans for residents and construction/maintenance workers that reflect real-world experience associated with wildfires in California are in place prior to an emergency. Notification systems may not function as expected during an emergency, and evacuation routes can get clogged with traffic quickly, endangering the lives of those trying to evacuate. In addition, the combination of smoke obscuring roads and signage, trees collapsing or being flung into roadways by the wind, and the emotional state of those fleeing for their lives can lead to deadly collisions and roadblocks. And survivors are left to cope with the death of loved ones, physical injuries, and emotional trauma from the chaos that wildfires have inflicted on their communities. These issues are heartbreakingly depicted in an article published in the Sacramento Bee on Oct 22, 2017 (Lundstrom et al. 2017). Thus the FEIR should require any new developments in or near high fire-prone areas to have a substantive fire protection plan for residents and businesses, yet it only provides a recommendation for a fire protection plan for construction/maintenance activity (in PMM WF-2). The FEIR fails to adequately assess and mitigate fire impacts of the Plan.

It is important to note that even if an adequate evacuation plan is in place, in natural areas with high fire threat where fires have historically burned, a public safety or evacuation plan may not be enough to safeguard people and homes from fires. Having warning systems and evacuation routes in place is important for fire preparedness and fire safety, but these are not guaranteed to function when a fire occurs. And wildfires may ignite with little or no notice, and, as mentioned previously, in severe weather conditions, wind-driven fires can spread quickly—they can cover 10,000 hectares in one to two days as embers are blown ahead of the fires and towards adjacent fuels (e.g., flammable vegetation, structures) (Syphard et al. 2011). This occurred in the recent Camp Fire in Butte County, which spread at a rate of 80 hectares a minute (about one football field per second) at its fastest, and in its first 14 hours burned over 8,000 hectares (Sabalow et al. 2018). In these types of emergencies warning systems can be slow and ineffective at reaching all residents in harm’s way, and planned evacuation routes may not be sufficient. These issues were observed during the Camp Fire, which led to at least 85 deaths and

13,000 burned homes (Sabalow et al. 2018), as well as in last year’s Tubbs Fire in Sonoma County and Thomas Fire in Santa Barbara County and Ventura County, which led to more than 40 deaths and almost \$12 billion in property damage (Lundstrom et al. 2017; St. John 2017). The FEIR fails to adequately consider or assess the danger of fast-moving wildfires and mitigate the resulting impacts.

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To the extent SCAG believes it has no authority or obligation to impose specific mitigation measures or standards on projects included in the Plan, we would respectfully disagree. Our legal basis for this position is outlined in section III (pages 2-4) the May 1 Letter, which is incorporated herein by reference.

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II. The “Baseline” Set Forth in the Plan and FEIR May Not Comply with CEQA.

CEQA requires that the EIR describe the environmental “baseline,” which is normally “the physical environmental conditions in the vicinity of the project, as they exist at the time the notice of preparation is published.” (*Communities for a Better Environment v. South Coast Air Quality Management Dist.* (2010) 48 Cal.4th 310, 320-321; Guidelines § 15125(a).) The “baseline” must be sufficiently detailed that it provides “an understanding of the significant effects of the proposed project and its alternatives.” (*Id.*) An agency must use its “best efforts to find out and disclose all that it reasonably can” and gather this information “at the earliest possible time in the environmental review process.” (Guidelines § 15144; Pub. Res. Code § 21003.1(a).)

Importantly, the baseline is not determined based upon “hypothetical situations,” but upon *existing physical conditions*. (*Communities for a Better Environment*, 48 Cal.4th at 322.) The Supreme Court held that “an approach using hypothetical allowable conditions as the baseline results in illusory comparisons that can only mislead the public as to the reality of the impacts and subvert full consideration of the actual environmental impacts, a result at direct odds with CEQA’s intent.” (*Id.*, internal quotations omitted)

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The Center is concerned that the Plan and FEIR may not comply with this mandate. The Plan defines the “baseline” to include projects that “will result” from current programs including “transportation projects that have already received environmental clearance.” (Plan at 120.) There is a significant difference between existing physical conditions and *hypothetical conditions* based upon when the region *might* look like if currently entitled projects are actually built. For instance, the EIR/EIS for the Highway 138 Northwest Improvement Project was approved a few years ago, but according to MTA’s website the project will only be constructed if “demand requires.” Likewise, the 12,000-acre Centennial City proposed for Tejon Ranch received CEQA approvals from L.A. County over a year ago, but there are no current plans to begin construction. The Plan and FEIR fail to provide the public with a clear picture of *existing physical conditions* and instead impermissibly assume that such “paper projects” are or *will be* built.

This error impacts numerous sections of the EIR, including, but not limited to its analysis of air quality, GHGs, biological resources, and land use. The error also leads to a flawed

alternatives analysis, as “all three alternatives assume the same regional employment, population, and housing growth projections and roughly the same overall transportation budget.” (FEIR at 4.0-5.) It’s simply incorrect to assume the same overall transportation budget as the approval (or lack of approval) of the Plan will have a significant impact on transportation budgets and funding. These assumptions baked into the alternatives analysis also ignore the link between highway construction/expansion and sprawl development—the FEIR is wrong to assume that housing growth projects will be the same with or without the Plan and attendant highway construction. The FEIR and Plan need to be revised to give the public a clear picture of the project and no project conditions.

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III. The FEIR’s GHG Analysis is Incomplete and Inadequate.

The FEIR’s GHG analysis unfortunately remains incomplete and inadequate. The FEIR states that the CARB report on which the FEIR bases its goals and targets “is based on modeling that incorporates cleaner technologies and fuels (CTF)” (FEIR at 3.8-34.) As noted in section VI of the May 1 Letter, we are concerned that these assumptions may not be applicable due to federal rollbacks in emissions standards. By the same token, the estimates that GHG emissions will *decrease* during the life of the Plan may be incorrect. (See FEIR at 3.8-63 & 64; see also FEIR at 3.8-60 [“GHG emissions and transportation data were projected to 2045 using SCAG’s Regional Travel Demand Model and ARB’s EMFAC2014 emissions model”].) Likewise, the FEIR may not necessarily assume that “increasingly stringent regulations . . . will result in a reduced demand for all types of energy” when in fact the opposite appears to be true. (FEIR at 3.8-60.)

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As with the air quality section of the FEIR discussed in the May 1 Letter, the FEIR fails to provide a clear comparison of no project versus project conditions – what will projected GHG emissions be in the absence of the Plan versus with the Plan? The Plan does not appear to squarely address how the billions of dollars in funding it will release for GHG-inducing highway projects (and attendant sprawl) will actually increase GHG emissions. Instead, the FEIR claims that GHG emissions will not be “reduced sufficiently to meet the GHG emissions reduction targets established for California” (FEIR at 3.8-61.) This misleadingly suggests the Plan will in fact be reducing GHG emissions as compared to a “no project” alternative, when that may not be the case.

IV. The FEIR’s GHG Mitigation Measures are Inadequate, Unfunded, and Unenforceable.

The FEIR states that impacts of the Plan on GHGs will be significant. As such, CEQA requires that SCAG adopt all feasible mitigation measures to reduce the impacts of GHGs. The letter by Matt Hagemann, P.G., C.Hg. and Paul E. Rosenfeld, Ph.D of the expert consulting firm SWAPE (the “SWAPE Letter,” included as Exhibit A to the May 1 Letter) explains that the FEIR does not include all feasible mitigation measures, and that the proposed measures lack performance standards or are otherwise unenforceable.

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The FEIR states that “SCAG cannot require implementing agencies to adopt mitigation, and it is ultimately the responsibility of the implementing agency to determine and adopt project-

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

specific mitigation.” (FEIR at 3.8-60.) While SCAG cannot compel another agency to take a certain step, SCAG can provide in the Plan and FEIR that if certain specific and performance-based measures are *not* incorporated into individual projects, then such individual projects are *not* consistent with the Plan.

Instead, the Plan and FEIR attempt to have it both ways by offering the Plan as a means to “streamline environmental review pursuant to SB 375, SB 743, or SB 226” and a tiering document while also simply saying mitigation proposals should simply be “considered” by lead agencies. (FEIR at 3.8-60.) In other words, a lead agency may disregard concrete mitigation measures while still availing itself of the Plan as a CEQA streamlining document. Such bureaucratic “hot potato” serves no public purpose and creates the illusion of government agencies addressing problems while failing to provide any real solutions. It also violates CEQA. (See *City of Marina v. Board of Trustees of California State University* (2006) 39 Cal. 4th 341, 366-67.)

More specifically, while the “SCAG Mitigation Measures” have laudatory goals, they simply don’t require SCAG or any other agency to take concrete steps to reduce GHG emissions. For instance, SMM GHG-1 states that SCAG shall continue to work with counties to adopt climate action plans. (FEIR at 3.8-68.) SMM GHG-2, SMM GHG-3, and SMM GHG-4 are similarly vague, unenforceable, and lack performance-based standards. Nonetheless, as noted in the May 1 Letter (at page 3), San Diego County in the adjacent SANDAG region disclaimed responsibility to reduce GHGs using a climate action plans by citing a lack of funding from SANDAG.

We are concerned that counties and cities will similarly adopt climate action plans that lack enforceable and performance-based mitigation measures, particularly when SCAG is not committing to assist in funding these plans or conditioning the release of funds upon clear and enforceable mitigation measures. This concern is already being born out with the L.A. County Public Review Draft CAP,³ which is woefully inadequate to reduce GHGs in L.A. County. We have attached our comments on the L.A. County Draft herein as Exhibit C. Like the Plan, L.A. County’s Public Review Draft CAP contains many laudatory goals but fails to set forth enforceable and performance-based measures to actually reach those goals. L.A. County’s Public Review Draft CAP also fails to identify any funding sources for GHG reduction programs. Nonetheless, both the Plan and L.A. County’s CAP intend to act as “CEQA streamlining” documents, thus having the effect of streamlining GHG-intensive development while failing to offer enforceable and performance-based mitigation measures to reduce the impacts of such development. The Center urges SCAG to redirect significant resources to programs to reduce GHG emissions.

The FEIR’s “Project Level Mitigation Measures” are likewise deficient, as outlined in more detail in the SWAPE Letter. The SWAPE Letter, our letter on the L.A. County Draft CAP, and South Coast Air Quality Management District’s comment letter (“SCAQMD Letter”) outline

³ Los Angeles County Department of Regional Planning, Los Angeles County Climate Action Plan Public Review Draft (March 2020), available at http://planning.lacounty.gov/assets/upl/case/2019-002015_cap-public-review-draft.pdf.

mitigation measures the FEIR can require of lead agencies in order to show consistency with the Plan.

For instance, the Plan and FEIR could require that new projects incorporate EV-charging infrastructure in order to show consistency with the Plan. The SCAQMD Letter specifically proposes *requiring* “at least five percent of all vehicle parking spaces include electric vehicle (EV) charging stations, or at a minimum, require the appropriate infrastructure to facilitate sufficient electric charging for passenger vehicles and trucks to plug-in.” (SCAQMD Letter at 11.) Instead of adopting this as an enforceable mitigation measure, the FEIR simply refers back to the optional and unenforceable PMM GHG-1. (FEIR at 9.0-51.)

The lack of EV chargers is a regional issue necessitating regional approaches. SCAG can and should condition consistency with the Plan (and access to billions of dollars for transportation projects associated with the Plan) on feasible measures to reduce GHGs, such as requiring minimum numbers of EV chargers.

V. The FEIR and Plan Should Include Stronger Policies To Limit Sprawl Development and Minimize Habitat Loss.

The Center remains concerned that the FEIR does not provide a clear picture of the loss of habitat caused by the Plan. On the one hand, the FEIR disclaims responsibility for specific land uses, claiming that “SCAG lacks the land use authority to enforce specific land uses.” (FEIR at 3.8-780) On the other hand, the Plan on its own terms will result in the destruction of “41,546 acres of greenfield [including areas with] a high potential to contain sensitive plant communities and riparian habitats” (FEIR at 3.4-75). Likewise, the Plan claims a “reduction” in greenfield development of 29 percent and points to a “2045 baseline” of 100 square miles of greenfield development, versus 71 square miles in the Plan. (Plan at 118, 123.)

As the Plan notes, “decades of lower-density development (particularly housing) has occurred farther from employment-rich areas, increasing congestion, automobile dependency, leapfrog development and air pollution, and limiting the effectiveness of public transit.” (Plan at 20.) Unfortunately, it appears that the Plan will continue this legacy.

The Center supports the goals in the 2017 CARB Scoping Plan Update, which are referenced in the FEIR. This document recommends that “local governments consider policies to reduce VMT, including: land use and community design that reduces VMT; transit-oriented development; street design policies that prioritize transit, biking, and walking; and increasing low carbon mobility choices, including improved access to viable and affordable public transportation and active transportation opportunities.” (FEIR at 3.8-39.)

There are other measures the Plan and FEIR can take to reduce impacts of the Plan while ensuring adequate housing development. The Center’s comments on the L.A. County Sustainability Plan (Exhibit D, incorporated by reference) include recommendations to (1) require larger buffers between sensitive uses and freeways; (2) implement zero net energy standards; (3) use concrete and enforceable policies to limit sprawl development; and (4) limit discretionary development in high fire areas.

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Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

VI. Conclusion

Thank you for the opportunity to submit comments on the Plan and FEIR. The Center looks forward to working with SCAG to move the Plan forward in a way that truly minimizes impacts to special-status species like the mountain lion and regional wildlife connectivity while upholding air quality and GHG standards and goals. Please feel free to contact the Center with any questions at the number or email listed below.

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Sincerely,



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Exhibit A

Effects of Nitrogen Deposition on Sensitive Species and Habitats Resulting from the Southern California Association of Governments Regional Transportation Plan

Stuart B. Weiss, Ph.D.
Travis Longcore, Ph.D.

May 6, 2020

The Southern California Association of Governments (SCAG) prepared a long-range Regional Transportation Plan (RTP) and associated Program Environmental Impact Report (PEIR). The plan is known as Connect SoCal and includes over \$650 billion in future transportation infrastructure. The Center for Biological Diversity has retained us to evaluate the potential impacts of nitrogen deposition from transportation sources on sensitive habitats and species within the project region.

Deposition of nitrogen on natural lands represents a significant threat to sensitive resources (Bytnerowicz and Fenn 1996, Allen et al. 1998, Weiss 1999). Nitrogen is, quite literally, fertilizer and its presence encourages growth of plants that are nutrient limited. For southern California scrublands and grasslands, the addition of excess nitrogen promotes the growth of nonnative, invasive grass species. The PEIR does not assess the impacts of this adverse impact on sensitive natural resources, including endangered species, as we present in detail below.

Expanding the Transportation System May Increase Deposition of Nitrogen

Vehicles powered by internal combustion engines emit nitrogen oxides (NO_x) produced by high temperature combustion. Vehicular NO_x emissions are closely regulated by the California Air Resources Board and are controlled effectively by catalytic converters. An unfortunate side-effect of the catalytic converters is the production of ammonia gas (NH_3); there is a fundamental tradeoff between NO_x and NH_3 production from vehicles equipped with catalytic converters (Heeb et al. 2006). Even as NO_x emissions decline in response to regulation, NH_3 emissions from roadways will increase (Kean et al. 2009, Leip et al. 2011, Fenn et al. 2018). For example, on-road NH_3 emissions increased 91% between 1990 and 2010 in the United States (Leip et al. 2011, Xing et al. 2013) and nitrogen deposition in this form has increased throughout many regions even as NO_x emissions have decreased (Du et al. 2014, Li et al. 2016, Hůnová et al. 2017).

Ammonia is not a regulated element of tailpipe emissions, but its deposition causes environmental impacts. The PEIR does not consider NH_3 emissions and the analysis of impacts cannot rely on CARB regulations to reduce them over the life of the RTP. All sources of nitrogen emissions should be considered together, and the amount of emissions with the RTP compared to a no project scenario that still takes into account CARB regulations already in place. It is highly likely that the RTP will result in increased nitrogen emissions over that period and in specific locations when compared with a scenario with existing regulations in place but without the road construction associated with the RTP.

Southern California Is Already a Nitrogen Deposition Hotspot

Southern California has some the highest nitrogen deposition in the United States (Fenn et al. 2003, Fenn et al. 2010, Fenn et al. 2018). The maps below are from TDEP (Total Deposition), produced by the US Environmental Protection Agency (**Figure 1**). TDEP synthesizes measurements and atmospheric models and represent the state of the art in deposition estimates at regional scales, presented on a 4 km grid (Schwede and Lear 2014). Dry deposition, a complex process whereby gases adsorb onto surfaces or are absorbed directly by plants in the absence of precipitation, dominates in coastal California. Total deposition in the region (at the 4 km scale) can exceed $25 \text{ kg-N ha}^{-1} \text{ year}^{-1}$, and local hotspots can exceed $50 \text{ kg-N ha}^{-1} \text{ year}^{-1}$ (Fenn et al. 2003). Pre-industrial background is estimated at $< 1 \text{ kg-N ha}^{-1} \text{ year}^{-1}$. Oxidized-N results from emissions of nitrogen oxides (NO_x) and reduced-N results from emissions of ammonia (NH_3). Both forms are important, but have different magnitudes and local patterns (**Figure 1**).

Nitrogen Exceeding Critical Loads Degrades Sensitive Natural Communities

Deposition of atmospheric nitrogen favors non-native annual plants; and native annual forbs are declining due to competition from those non-native annuals (Padgett and Allen 1999, Padgett et al. 1999, Weiss 1999, Cione et al. 2002, Fenn et al. 2010).

Fenn et al. (2010) identified the “critical loads” of nitrogen deposition beyond which vegetation communities are disrupted. In native grasslands, nonnative grass invasion is facilitated at $6 \text{ kg N ha}^{-1} \text{ y}^{-1}$ of deposition (Weiss 1999, Fenn et al. 2010). For coastal sage scrub, a decrease in native plant richness is seen at $7.8\text{--}10 \text{ kg N ha}^{-1} \text{ y}^{-1}$ (Fenn et al. 2011). At $10 \text{ kg N ha}^{-1} \text{ y}^{-1}$, a significant decrease in arbuscular mycorrhizal spore density is observed (Fenn et al. 2011), which has potentially significant impacts on the ability of native plants to form symbiotic relationships with these fungi and exclude nonnative plants (St. John 1993, Corkidi et al. 2002). In chaparral and oak woodlands, the epiphytic lichen community is transformed into nutrient-tolerant species at $5.5 \text{ kg N ha}^{-1} \text{ y}^{-1}$.

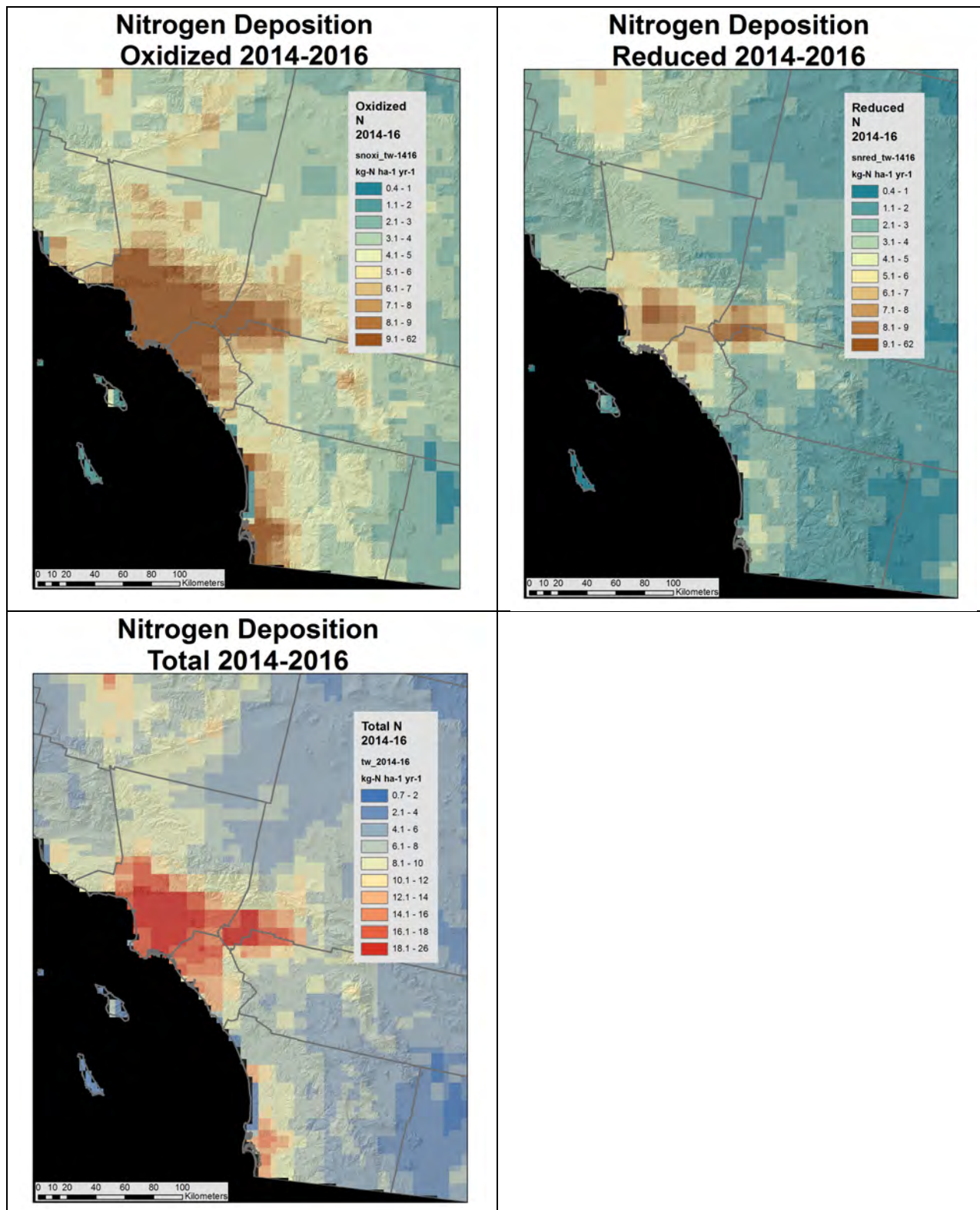


Figure 1. TDEP estimates of oxidized, reduced, and total nitrogen deposition (Schwede and Lear 2014).

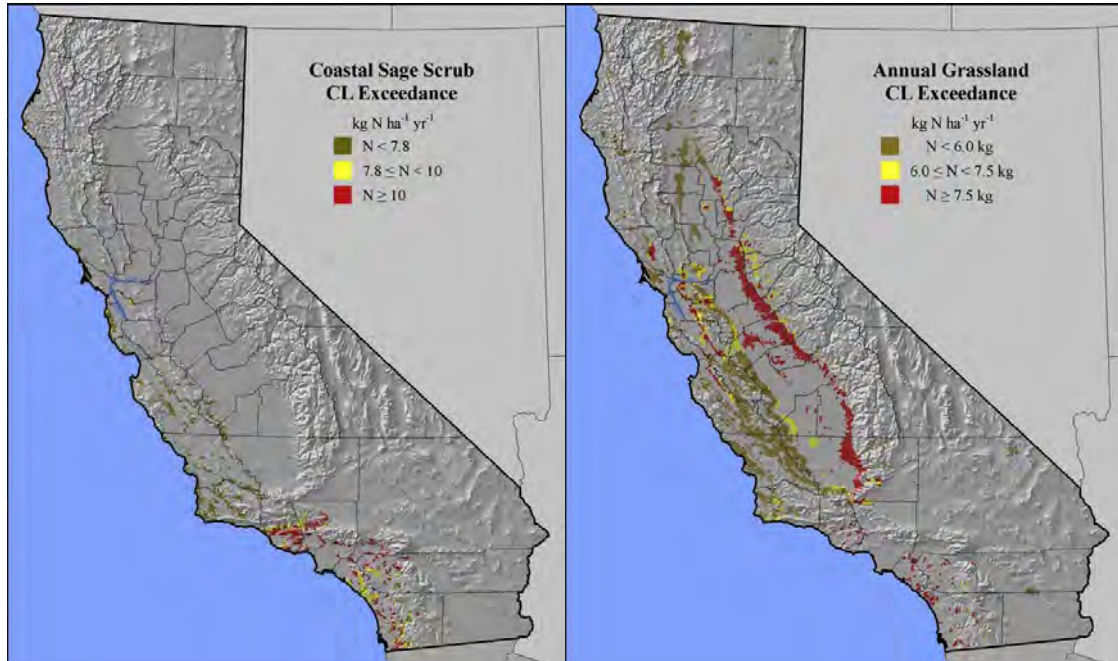


Figure 2. Critical load exceedances for coastal sage scrub and grassland in California (Fenn et al. 2010). The critical load for CSS is $7.8 \text{ kg N ha}^{-1} \text{ yr}^{-1}$ and $6.0 \text{ kg N ha}^{-1} \text{ yr}^{-1}$ for grassland.

Much of the region subject to additional development of transportation infrastructure under the SoCal Connect RTP is approaching or has exceeded the critical loads for coastal sage scrub and grasslands. Those areas already exceeding critical levels have been mapped (**Figure 2**).

Because the scrublands and grasslands of the project area are already subject to nitrogen deposition at or near established critical loads, any additional deposition would constitute a significant impact. Although the PEIR claims that NO_x will decline over the life of the project, total nitrogen deposition is not considered, and the control measures that reduce NO_x from internal combustion engines will result in an increase in NH_3 emissions.

Emissions from Roads Impacts Endangered Species Habitat

The NO_x and NH_3 emissions from a road have local and regional impacts, both of which can impact endangered species in the project area. The plume from the road line source elevates pollutant concentrations for several hundred yards downwind, falling off in an exponential decay with distance, because of dispersion upward and deposition downward (Seinfeld and Pandis 2016). For example, along Highway 280 in San Mateo County, ammonia deposition at the fence line (~50 yards from the road centerline) was about $10 \text{ kg-N ha}^{-1} \text{ yr}^{-1}$, and was reduced to $1 \text{ kg-N ha}^{-1} \text{ yr}^{-1}$ 500 yards to the east (Fenn et al. 2010, Fenn et al. 2018). The situation with NO_x is more complicated, because of the rapid (scale of seconds) conversion of the primary emissions of NO (little deposition) to NO_2 (higher deposition) as the plume moves downwind, which mutes the distance effect so that NO_2 deposition decreases by only 50% over the same gradient.

Once the local plume disperses upward, emissions contribute to, but become difficult to detect relative to, background, especially in polluted regions like Southern California. The emissions merge with the regional plume and undergo further chemical transformations, such as the

oxidation of NO₂ into HNO₃ and formation of particulate of NH₄NO₃ (a major component of PM_{2.5}). These compounds can travel and deposit long distances downwind.

The PEIR sets a standard for assessing local impacts of individual projects that is too conservative. The PEIR limits consideration of impacts on sensitive species to only 500 feet surrounding projects. Elevated local deposition of nitrogen occurs at least to 1,500 feet away from a roadway or point source (Fenn et al. 2010, Fenn et al. 2018), and other edge effects such as light pollution have impacts more than 500 feet away.

Nitrogen deposition originating both locally and as part of the regional plume impacts habitat for threatened, rare, and endangered species in the project area. We focus on two examples, the Quino checkerspot butterfly and the array of endangered and threatened plant species that are found in Southern California.

Quino Checkerspot Butterfly

Quino checkerspot (*Euphydryas editha quino*) was once an unimaginably common spring butterfly of the open forblands, grasslands, and sparse shrublands of Southern California where it typically laid its eggs on the small native forb, *Plantago erecta* (Mattoni et al. 1997). As these landscapes were lost to urban development throughout Los Angeles and Orange county, the remaining populations in Riverside and San Diego counties have been threatened by the invasion of nonnative grasses spread through the ranching era and accelerated by deposition of nitrogen. The grasses thrive in the presence of additional nitrogen and choke out the diminutive native forbs that once carpeted the understory of sparse scrublands in the spring (Minnich and Dezzani 1998, Minnich 2008), a pattern that has been repeated across the state (Huenneke et al. 1990, Weiss 1999). The decline in grasslands has been underway for 200 years, associated with widespread grazing, then urbanization. The degradation of open scrublands and their forb understory has only accelerated in the past 40–50 years (Allen et al. 1998, Minnich and Dezzani 1998, Talluto and Suding 2008).

Nitrogen deposition is currently high across the recovery units of Quino checkerspot butterfly, and artificially elevated soil nitrogen is identified as a key threat that must be remediated in the recovery plan (U.S. Fish and Wildlife Service 2003). Within the project area, Recovery Units in Riverside County are vulnerable to impacts from the RTP (**Figure 3**). The species Recovery Plan is clear, that “Conversion from native vegetation to nonnative annual grassland will be the greatest threat to Quino checkerspot butterfly reserves,” and ties this conversion to nitrogen pollution, along with fire, grazing, and off-road vehicle activity (U.S. Fish and Wildlife Service 2003). This concern is well-founded, since additional nitrogen decreases the size and density of the larval host plant *P. erecta* (Koide et al. 1988).

Highway expansion projects included in the Plan’s project list may have local nitrogen deposition impacts on listed species like Quino checkerspot. At a minimum, these include (1) the widening of highway 79 (RTP ID 3A04SH12), which is within 1.5 miles of critical habitat for Quino checkerspot at Skinner Reservoir and (2) the widening of I-15, which is adjacent to the Northwest Riverside recovery unit outlined in the recovery plan. In addition to these local impacts, the regional plume of nitrogen pollution threatens the remaining range of the species.

Both types of impacts should be recognized and a framework for mitigation established in the PEIR.

Nitrogen deposition poses a direct threat to the viability of Quino checkerspot butterfly in areas that have been set aside and are being managed for the species, because nitrogen deposition critical levels are being exceeded. To be clear, nitrogen deposition is a threat to habitats that have already been protected for conservation and are being held in perpetuity for that purpose. Without a strategy to offset impacts of nitrogen deposition, those investments will be in vain.

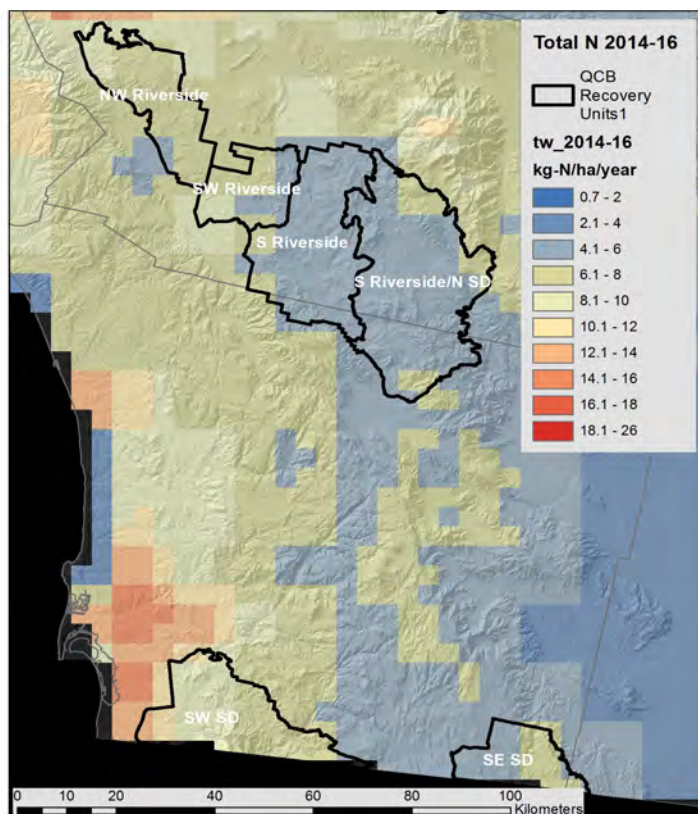


Figure 3. 2014–2016 total nitrogen deposition in relation to Recovery Units for Quino checkerspot butterfly (U.S. Fish and Wildlife Service 2003).

Endangered Plant Species

The RTP area includes many plant species that are threatened, rare, or endangered. All of these species are adversely impacted by nitrogen deposition through direct and indirect mechanisms (Fenn et al. 2010). Directly, additional nitrogen favors nonnative invasive species that out-compete native species, as documented above. Indirectly, the additional nonnative annual grasses and weeds on the landscape fundamentally transforms fire return intervals. Areas subject to annual grass invasion facilitated by nitrogen deposition burn more often than native habitats and the repeated fire then excludes species that must grow for years before they set seed (e.g., some coastal sage scrub and chaparral species) or are not adapted to fire (e.g., desert species).

To illustrate that listed plant species are already found within the RTP area and are threatened by nitrogen deposition, we collated the total nitrogen deposition for listed plant taxa located in

Riverside and Orange Counties that have been subject to Habitat Conservation Plans (HCPs) and Natural Community Conservation Plans (NCCPs). The exposure of the locations of these listed plant taxa near or exceed the defined critical thresholds defined for the vegetation communities where they are found (**Figure 4**).

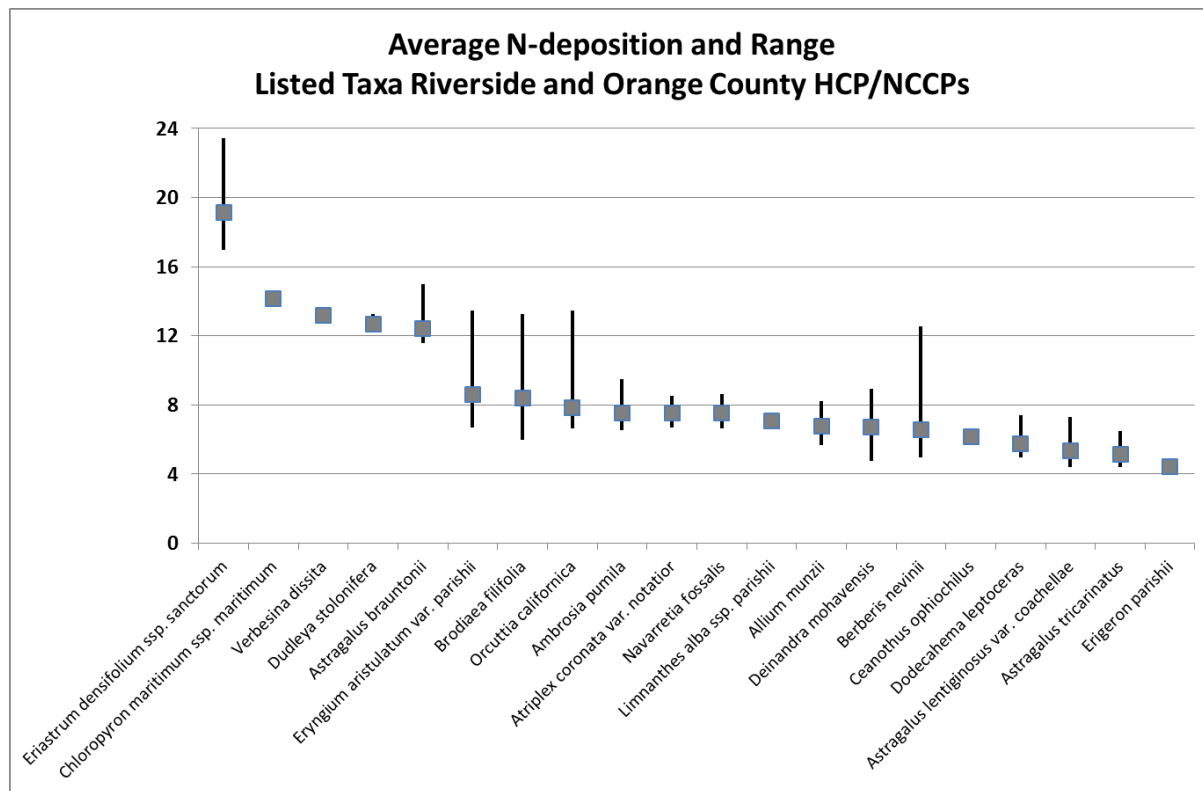


Figure 4. Average and range of annual total nitrogen deposition (N-kg ha⁻¹ yr⁻¹) for 2014-2016 period for habitat occupied by listed plant species covered by HCPs and NCCPs in Los Angeles County and Orange County.

A Regional Strategy Is Necessary to Mitigate Nitrogen Deposition

Mitigation of nitrogen deposition associated with continued expansion of the transportation system will not be effective if put off to project-level environmental review and mitigation planning. A program-level approach is necessary because of the difficulty of reversing impacts and the need to act regionally to protect sensitive habitats and imperiled species.

It is difficult to restore habitats that have been degraded by nitrogen deposition. Invasive grasses end up dominating the seedbank, the point of completely excluding native plant species (Cione et al. 2002). Although fire has been suggested to reduce exotic seed banks, use of fire to restore degraded grasslands is generally not feasible because of air quality regulations and risk. Effective restoration of scrublands can be achieved through the use of mechanical or chemical weed control over a sustained period, followed by seeding of native species (Brooks et al. 2019). Such an approach is labor intensive, requires large amounts of seed, and also relies on use of mycorrhizal inoculum that forms a network with the planted species and helps exclude nonnative species (St. John 1993).

The transportation network has contributed substantially to the existing conditions of nitrogen pollution that degrade private and protected lands on an ongoing basis. Mitigating these impacts requires a regional plan and mitigation scheme so that mitigation offsets from individual projects can be used to protect, manage, and restore habitats for endangered species that may not occur at a transportation project location but are nevertheless incrementally harmed by that project. Only a program-level approach can analyze these impacts and establish an equitable process through which each project can pay its fair share of the consequences of nitrogen pollution.

Precedents for Mitigation for Nitrogen Deposition Impacts on Sensitive Species in California

Mitigation for increased nitrogen deposition impacts on sensitive species emissions has been implemented in California since 2001. The link between N-deposition and adverse modification of Bay checkerspot butterfly habitat through increased annual grass growth was established by Weiss (1999). Since that time, prime examples of off-site mitigation for nitrogen emissions resulting from infrastructure projects include:

Metcalf Energy Center, Los Esteros Critical Energy Facility, Donald von Raesfeld Generating Plant: These three natural gas-fired powerplants in Santa Clara County independently provided mitigation for cumulative impacts of increased NO_x and NH₃ emissions, starting in 2001. Mitigation actions included acquisition of sensitive serpentine grassland habitat (211 acres of habitat), ongoing funding for monitoring and management (>\$100,000 per year), and establishment of endowments (~\$2,000,000) for funding after the power plants are retired.

Highway projects in Santa Clara County: Widening Highway 101 and construction of interchanges in Coyote Valley by the Santa Clara Valley Transportation Authority (VTA) triggered a Section 7 consultation that resulted in 540 acres of serpentine being acquired along with ongoing monitoring and management funding, and a \$700,000 management endowment. The project was also the trigger for the development of the Santa Clara Valley Habitat Plan.

Santa Clara Valley Habitat Conservation Plan/Natural Communities Conservation Plan (Valley Habitat Plan): This comprehensive plan covers 19 taxa, including 10 taxa dependent on nitrogen sensitive serpentine grassland. The 50-year, \$665,000,000 (2013 dollars) plan will result in a reserve system of ~42,000 acres, provide monitoring and management funds for the duration of the plan, and a >\$100,000,000 endowment for management in perpetuity. One funding source for the Valley Habitat Plan is a small *one-time* nitrogen deposition fee based on vehicle trips generated by a project (\$45.80 per single residence, or \$4.70 per new daily vehicle trip for commercial projects).

Otay Power Generating Station: This natural gas-fired powerplant at the western base of Otay Mountain (San Diego County) provided \$400,000 for habitat management to mitigate impacts on the Quino checkerspot butterfly.

Lange's Metalmark butterfly at Antioch Dunes National Wildlife Refuge: The Refuge is a remnant sand dune system supporting the endangered butterfly and two endangered plants. Nitrogen deposition has contributed to the nutrient poor dunes becoming overrun with annual grass growth. Five gas-fired powerplants surrounding the Antioch Dunes NWR were approved

by the California Energy Commission in the 2000s. As part of a lawsuit settlement, the Marsh Landing Generating Station committed to ~\$2,000,000 in funding for dune management and community pollution response.

About the Authors

Stuart B. Weiss (Ph.D. Stanford University) is founder and Chief Scientist of the Creekside Center for Earth Observation, which provides scientific support for conservation and restoration. Dr. Weiss has expertise in population biology, climate change, statistical analysis, GIS, and most aspects of conservation biology. He is a recognized expert in nitrogen deposition and biodiversity, not only publishing scientific papers but also consulting on mitigation strategies and implementation, as well as organizing scientific sessions on nitrogen deposition at major conferences.

Dr. Travis Longcore is a principal of Land Protection Partners and Associate Adjunct Professor in the Institute of the Environment and Sustainability at UCLA. He was graduated *summa cum laude* from the University of Delaware with an Honors B.A. in Geography, holds an M.A. and a Ph.D. in Geography from UCLA, and is professionally certified as a Senior Ecologist by the Ecological Society of America. He is a 23-year member of the Los Angeles County Environmental Review Board. Longcore has authored or co-authored over 45 scientific papers in top peer-reviewed journals such as *Auk*, *Biological Conservation*, *Conservation Biology*, *Environmental Management*, *Frontiers in Ecology and the Environment*, *Trends in Evolution and Ecology*, and *Urban Forestry and Urban Greening*. He has provided scientific review of environmental compliance documents and analysis of complex environmental issues for local, regional, and national clients for 22 years.

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EXHIBIT B



November 13, 2018

Via Electronic Mail and Hand Delivery (with references)

San Diego County Board of Supervisors
Attn: David Hall
Clerk of the Board of Supervisors
1600 Pacific Highway, Room 335
San Diego, CA 92101
David.hall@sdcountry.ca.gov

Re: Wildfire Impacts of Poorly-planned Development in San Diego County

Dear Supervisors:

These comments are submitted on behalf of the Center for Biological Diversity (Center) regarding the approval or pending approval of the following Projects:

1. Warner Ranch
2. Lilac Hills
3. Newland Sierra
4. Valiano
5. Harmony Grove Village South
6. Otay Ranch Village 14, 16, 19
7. Otay Ranch Village 13
8. Otay 250 Sunroad
9. Project Specific Requests (PSRs)

While the Center has many concerns regarding the environmental impacts and inadequate analyses provided in the Environmental Impact Reports of the proposed Projects, the purpose of this letter is to voice our concern regarding the public safety impacts of these poorly-planned, sprawl developments in fire-prone chaparral ecosystems in San Diego County. The Center reviewed the Environmental Impact Report of each Project to determine the cumulative impacts of these developments on wildfire risk and analyze the adequacy of proposed mitigation measures. Project footprints were compared to the fire history and fire threat of the region, as identified by state agencies (the Department of Forestry and Fire Protection [Cal Fire] and the California Public Utilities Commission [CPUC]), and the total number of housing units and potential residents for all the developments were calculated.

The proposed developments would be placed in natural landscapes dominated by fire-prone native chaparral and coastal sage scrub habitats that rely on wildfires to persist. Exurban developments like those proposed – with low to intermediate housing densities extending into chaparral and scrublands – have been shown to lead to frequent human-caused ignitions and fire

frequencies that exceed historical, natural levels in Southern California (Syphard et al. 2018). When fires occur too frequently, chaparral and sage scrub ecosystems are replaced by highly flammable non-native grasses, ultimately eliminating native habitats and increasing fire risks to communities.

By approving these sprawl Projects, the County will allow for the construction of almost 15,000 homes in natural areas dominated by chaparral and sage scrub habitat that regularly experience fire. The U.S. Census Bureau estimates that there are 2.87 persons per household in San Diego County, so together the developments would put more than 40,000 potential residents at risk. Placing more than 40,000 potential residents in fire-prone natural areas that are anticipated to burn without thoroughly considering the severe environmental, health, social, and economic consequences or requiring appropriate, science-based analyses regarding wildfire risk is reckless and a dereliction of your duty to the public. The developments will increase wildfire risks that could cause residents to lose their homes and the lives of loved ones and first responders. The increased fire risk could also worsen public health, destroy native ecosystems, and reduce biodiversity. These poorly-planned developments are not a solution to current housing needs; they will only lead to increased risk of harm and expenses for the County's residents.

Wildland fires are inevitable, natural processes in Southern California that are necessary and beneficial for chaparral and scrub ecosystems. The Center urges the County to protect human lives, property, and native biodiversity, by reforming growth strategies to focus on avoiding the placement of developments in high fire threat areas. Existing homes in fire-risk areas should be incentivized to complete retrofits with fire-resistant construction, appropriate defensible space, and homeowner fire safety education. Urban planning and design should focus on infill development in urban core areas, where wildfire threat is lower and people have access to jobs, public transit, and community. We can no longer dismiss California's natural fire regime and the direct relationship between urban sprawl and deadly wildfires. The County needs to stop approving development in high wildfire threat areas to keep its residents healthy and safe and to protect native biodiversity.

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over 1 million members and online activists throughout California and the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life in Southern California, including San Diego County.

I. Developments in Fire-prone Natural Areas That Have Historically Burned Have the Highest Chances of Burning

Approving these Projects will allow for the construction of almost 15,000 homes in areas that Cal Fire has identified as having extreme fire threat to people and the CPUC has determined to have elevated and/or extreme fire threat. Almost all the proposed Projects are located in or adjacent to natural areas that have evolved with fire historically and have burned multiple times in the last 140 years. In fact, 20 fires have burned in areas of the Otay Ranch Villages since

1910, with the most recent and largest fire in the area occurring in 2007 (the Harris 2 Fire, ~91,000 acres burned).

Between the years 2000 and 2011, nearly 1,000 homes per year were destroyed by wildfires in Southern California (Syphard et al. 2012), and those numbers appear to be rising, considering last year's fires burned over 10,000 structures and this year's Camp Fire in Butte County and Woolsey Fire in Ventura County have destroyed almost 7,000 homes. Multiple studies indicate that developments with low/intermediate-density clusters surrounded by fire-dependent vegetation (*i.e.*, chaparral) in areas with a history of fires – like those proposed by the County – have the highest chances of burning (Syphard et al. 2012; Syphard et al. 2013). By approving these Projects, the San Diego Board of Supervisors will be directly endangering the lives of more than 40,000 people by placing homes in the exact arrangement and placement for maximum fire susceptibility in areas where fires will inevitably burn.

II. Development in Fire-prone Areas Will Lead to More Human Ignitions and Too Frequent Fire in Southern California Shrublands

In Southern California, sprawl developments with low/intermediate densities extending into chaparral and sage scrub habitats that are prone to fire have led to more frequent wildfires caused by human ignitions, like arson, improperly disposed cigarette butts, debris burning, fireworks, campfires, or sparks from cars or equipment (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Radeloff et al. 2018). Human-caused fires account for 95% of all fires in Southern California (Syphard et al. 2013), and homes filled with petroleum-based products, such as wood interiors, paint, and furniture, provide additional fuel for the fires to burn longer and spread farther (Keeley et al. 2007). The most numerous and largest fires in San Diego County have been caused by equipment and powerlines in the wildland-urban interface, where housing density is low to intermediate (Syphard and Keeley 2015), and leapfrog developments have been found to have the highest predicted fire risk in the County (Syphard et al. 2013). With the increased ignition risk that comes with these poorly planned developments in high fire-prone areas, the County will only be fueling more frequent, larger, and more destructive wildfires.

The proposed developments would lead to a dangerous feedback loop of deadly fires and habitat destruction. Most would be placed in areas dominated by chaparral and sage scrub, native California habitats that rely on wildfires to persist. These habitats are adapted to infrequent (every 30 to 150 years), large, high-intensity crown fire regimes (Pyne et al. 1996; Keeley and Fotheringham 2001), and if these regimes are disrupted, the habitats become degraded (Keeley 2005, 2006a,b; Syphard et al. 2018). When fires occur too frequently, type conversion occurs and the native shrublands are replaced by non-native grasses and forbs that burn more frequently and more easily, ultimately eliminating native habitats and biodiversity while increasing fire threat over time (Keeley 2005, 2006a,b; Syphard et al. 2009; Safford and Van de Water 2014; Syphard et al. 2018). Thus, placing developments in these high fire-prone areas will lead to more frequent fires that will threaten the lives of more than 40,000 people who will live in or near these areas while degrading the health and biodiversity of Southern California's special ecosystems.

III. Public Safety in These New Development Areas Cannot be Guaranteed

Public safety issues are exacerbated by unreliable infrastructure to accommodate the consequences of more fires. Evacuating from wildfires can be life-threatening and having safety plans in place beforehand is not always enough. For example, while having warning systems and evacuation routes in place are important for fire preparedness and fire safety (e.g., County of San Diego, 2018, Lilac Hills Ranch App J Fire Protection Plan) their functionality when a fire occurs is not guaranteed. Wildfires may ignite with little or no notice, and warning systems can be slow and ineffective at reaching all residents in harm's way. This was the case in last year's Tubbs Fire in Sonoma County and Thomas Fire in Santa Barbara and Ventura Counties, which led to more than 40 deaths and almost \$12 billion in property damage (St. John 2017; Lundstrom et al. 2017).

Instead of placing people and homes in places where residents will have to rely on potentially faulty warning systems and evacuation routes to escape from fires, the County should build homes in areas where fire is least likely to occur, such as in infill development in urban core areas. By avoiding placing developments in fire prone natural areas, the County could reduce the risk of fire and more effectively protect lives, property, and the natural environment.

IV. The Developments Contain Insufficient Fire Safety Measures and Fire Protection Plans

Despite the glaring wildfire issues of placing developments in fire-prone ecosystems, the County remains complacent with the developers' fire protection plans that rely on fuel modification zones that are counterproductive and guidelines that are inadequate (e.g., County of San Diego, 2018, Harmony Grove Village South FEIR Appendix L Fire Protection Plan). Reliance on general guidelines and firesafe building/planning codes without sufficiently analyzing site-specific conditions or strategically implementing precautionary fire safety measures can lead to a false sense of safety and preparedness. Wildfire risk cannot be addressed with a one-size-fits-all solution.

Large fires in Southern California landscapes dominated by chaparral and shrublands are often associated with foehn winds (strong, warm, dry, and often downslope winds), such as the Santa Ana winds (Keeley 2006b). The region's largest fires have historically occurred in known wind corridors (Moritz et al. 2010). And in severe weather conditions, wind-driven fires can spread quickly – they can cover 10,000 hectares in one to two days (that's an area the size of Escondido, CA), as embers are blown ahead of the fires and towards adjacent fuels (e.g., flammable vegetation, structures) (Syphard et al. 2011).

The primary approach to mitigating fire risk is through home safety measures to make structures less flammable and vegetation reduction in the defensible space immediately surrounding homes. However, a common misconception regarding defensible space in chaparral and scrub habitats immediately surrounding structures is that the wider the fuel modification zone the more protected the structures are from wildfires. For example, the Newland Sierra Project states that they plan to implement a 250-foot fuel modification zone to reduce fire risk, which is more than double the 100-foot fuel modification zone required by state law (County of

San Diego, 2018 Newland Sierra FEIR, Appendix N Fire Protection Plan). In the September 26, 2018 public hearing, the Board of Supervisors was satisfied that the project was doing as much as they could to mitigate the threat of fire. In addition, some local ordinances require homeowners to clear 300 feet or more of defensible space, and there have been reports of some people being unable to obtain fire insurance without that 300-foot zone (Syphard et al. 2014). However, these actions and guidelines neglect science and may not be appropriate for all regions or habitat types, and they could be dangerously misleading.

In a study conducted in San Diego County, the most effective vegetation treatment distances ranged between 16 to 58 feet from the home (Syphard et al. 2014). Fuel reduction treatments more than 100 feet from structures did not provide additional protection, even for structures situated on steep slopes (Syphard et al. 2014). And because continued disturbance can lead to type conversion from native shrublands to nonnative grasslands that can burn more quickly and easily, extended fuel modification zones could lead to further habitat degradation and increased fire threat (Merriam 2006; Keeley 2006a,b). Thus, asserting that a fuel modification zone beyond the 100-foot requirement provides additional mitigation and improved fire safety in a high fire-prone area gives a false sense of security. The best way to improve fire safety is to proactively reduce exposure to wildfire risk by avoiding the placement of homes in fire-dependent ecosystems (Syphard et al. 2014).

Another critical component of protecting lives and property from wildfires is fire hazard and fire safety education for homeowners in or near fire hazard areas. Structures with fire-resistant features, such as ember-resistant vents, fire-resistant roofs, and surrounding defensible space, have been shown to reduce the risk of destruction due to wildfires (Quarles et al. 2010; Syphard et al. 2014). However, simply stating that the structures are built to fire code does not guarantee that fire threat will be reduced. Proper maintenance and upkeep of the structures themselves as well as the immediate surroundings (*e.g.*, removing leaf litter from gutters and roofing; removing flammable materials like wood fences, overhanging tree branches, or trash cans away from the home) are required to reduce the chances of the structures burning. In addition, external sprinklers with an independent water source would reduce flammability of structures, yet none of the proposed developments include this feature on their structures. And while these fire-resistant structural features are important for fire safety and homeowners should be properly informed, the focus should be on retrofitting existing homes and structures in or near high fire-prone areas with these features, not putting these features on new homes that should not be placed in high fire-prone areas in the first place.

As noted above, the number of homes being destroyed by fires in Southern California are starting to become thousands per year. The arrangement and location of developments have been found to be the main drivers of fire susceptibility, with the highest chances of burning in developments like those proposed by the County – low/intermediate-density clusters surrounded by wildland vegetation in areas with a history of fires (Syphard et al. 2012; Syphard et al. 2013). Thus, the best way to make new construction as fire safe as possible is to avoid placing them in high fire-prone areas (Pincetl et al. 2008; Syphard et al. 2012; Syphard et al. 2013; Moritz et al. 2014). Land-use planning must be reformed to more appropriately consider wildfire risk management.

V. Increased Human Ignitions Will Increase Unnatural Levels of Smoke.

Smoke is a product of the natural and necessary wildfire regime in chaparral and sage scrub ecosystems. However, new leapfrog developments situated in fire-prone chaparral and sage scrub habitats, like those at issue here, will lead to increased human ignitions that will produce increased levels of smoke beyond what is natural. This can lead to harmful public health impacts due to increased air pollution not only from burned vegetation, but also from burned homes, commercial buildings, cars, etc. Buildings and structures often contain plastic materials, metals, and various stored chemicals that release toxic chemicals when burned, such as pesticides, solvents, paints, and cleaning solutions (Weinhold 2011). Thus, human-caused wildfires at the urban wildland interface that burn through developments, as is becoming more common with housing extending into fire-prone chaparral and shrublands, increase the frequency and toxicity of smoke exposure to communities in and downwind of the fires.

Increased fire frequency due to human activity and ill-placed developments will lead to increased occurrences of poor air quality from smoke, which can have public health effects. Hospital visits for respiratory symptoms (*e.g.*, asthma, acute bronchitis, pneumonia, or chronic obstructive pulmonary disease) have been shown to increase during and/or after fire events (Kunzli et al. 2006; Viswanathan et al. 2006; Delfino et al. 2009; Rappold et al. 2012; Liu et al. 2015; Reid et al. 2016). In particular, a study assessing the health impacts of the 2003 Cedar Fire in San Diego County, which burned an area of about 280,000 acres that consisted of chaparral and scrub-dominated landscapes and almost 3,000 structures, there were increases in hospital emergency room visits for asthma, respiratory problems, eye irritation, and smoke inhalation (Viswanathan et al. 2006). The proposed Projects do not thoroughly consider the health impacts that communities will have to suffer if developments are placed in fire-prone shrublands where they will disrupt the natural fire regime and increase fire frequency and smoke exposure. The County needs to consider these public health impacts and refrain from placing poorly-planned, leapfrog developments in landscapes dominated by fire-prone chaparral and shrublands.

VI. The Direct Economic Impacts of Wildfires Are Worsening

The direct economic impacts of human-caused wildfires are staggering. The cost of fire suppression and property damage from wildfires in California is over \$18 billion since 2010, which, after adjusting for inflation, is double the cost from the previous three decades combined (Figure 1). Placing more housing in fire-prone natural areas has led to more costly fires, and these patterns will continue should the proposed Projects be approved.

Who shoulders these costs? California and federal residents end up paying in the form of fire insurance premiums and taxes that support Cal Fire and federal government subsidies and grants for homes in high risk areas. And these costs do not include other indirect/hidden costs associated with wildfires, such as the costs of doctors' appointments, medication, sick days taken from places of work, funerals, etc. As the costs of housing in California continues to increase, these costs will also continue to rise, further exacerbating the affordable housing crisis.

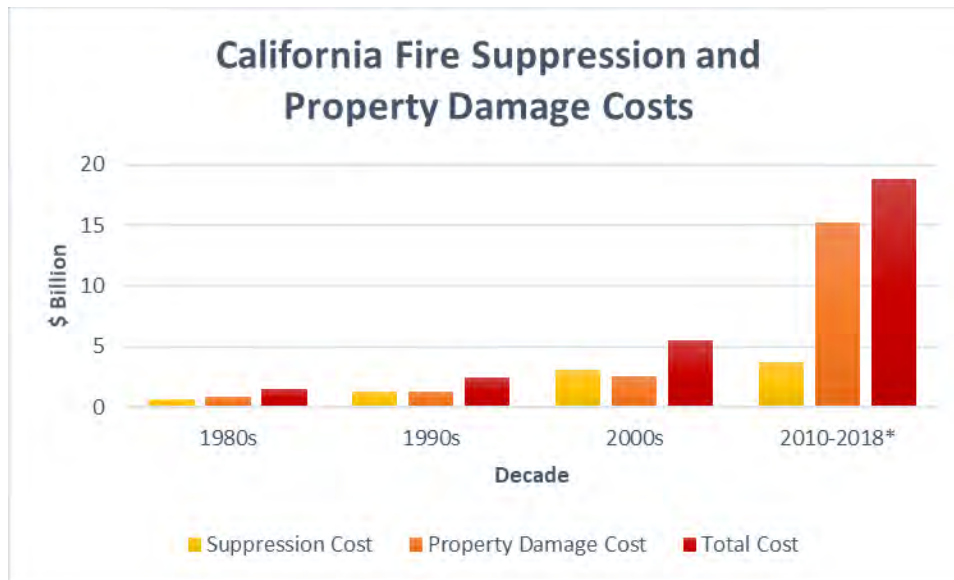


Figure 1. Costs of Fire Suppression and Property Damage by Decade. *Property damage cost data include 2017 insurance claim estimates and no 2018 costs. Data Source: Cal Fire and the Bureau of Labor Statistics.

VII. Conclusion

San Diego County can no longer afford to recklessly neglect the science of wildfires and wildfire risk in Southern California. The devastating environmental, health, social, and economic costs of poorly-planned, leapfrog developments in areas that *will* burn are too great. The Center urges the County to avoid placing developments like Newland Sierra and the Otay Ranch Villages in high fire-prone natural areas. Instead, the County should focus on creating communities in areas with lower wildfire risk, such as in infill development in urban core areas, where people will have access to jobs, public transit, and amenities. In addition, the County should prioritize retrofitting older homes and structures in the wildland-urban interface with fire resistant features, like ember-resistant vents, fire-resistant roofs, external sprinklers, and appropriate defensible space/fuel modification zones. Land-use planning must be reformed to more appropriately consider wildfire risk management and protect human lives, property, and the native biodiversity of Southern California's unique landscape.

Any focus on forest management to address California's fires is profoundly misguided. It makes no sense to complain about, and spend millions of dollars on, logging forests that are far away from communities when the actual fire threat facing thousands of families results primarily from poor planning in the interface adjacent to homes and businesses. Moreover, most of 2018's most extensive fires in California were not even in forests, and instead primarily burned grasslands and chaparral. We must also be honest about the conditions that are actually driving the fires – human ignitions, high winds, drought, and climate-change leading to hotter, drier conditions. Forest management is simply a scapegoat to ignore the difficult problems that need to be addressed, like poor land-use planning and climate change. California needs to stop allowing the building of flammable homes in flammable terrain, and fight climate change, instead of blaming the condition of California's forests for these fires.

November 13, 2018
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Thank you for the opportunity to submit comments on these proposed Projects. We look forward to working to assure that the County forges responsible, fire safe planning to safeguard the health and safety of its residents and the natural environment. Please do not hesitate to contact the Center with any questions at the email listed below.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Yap', with a stylized flourish at the end.

Tiffany Yap, D.Env/PhD
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(Attached on CD)

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EXHIBIT C



April 30, 2020

Sent via email

Los Angeles County
Department of Regional Planning
320 West Temple Street
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Re: Comments on Public Review Draft of Los Angeles County Climate Action Plan

Dear Department of Regional Planning:

The Center for Biological Diversity (“Center”) submits the following comments on the Los Angeles County Climate Action Plan Public Review Draft (“Draft CAP”). While the Draft CAP includes some laudable goals, it suffers from a lack of clear and enforceable measures to ensure significant reductions in regional greenhouse gas (“GHG”) emissions. Many of our concerns were also reflected in our comments on the Draft Sustainability Plan, which is included as Attachment 1 and incorporated by reference.

The Center is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over one million members and online activists throughout California and the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Los Angeles County (“County”).

I. Climate Change Is an Urgent and Existential Concern.

Recent science has made clear that human-caused climate change is causing widespread harms to human society and natural systems, and climate change threats are becoming increasingly dangerous. In its 2018 *Special Report on Global Warming of 1.5°C*, the Intergovernmental Panel on Climate Change (“IPCC”)—the leading international scientific body for the assessment of climate change—describes the devastating harms that would occur at 2°C warming. The report highlights the necessity of limiting warming to 1.5°C to avoid catastrophic impacts to people and life on Earth (IPCC 2018). The report also provides overwhelming evidence that climate hazards are more urgent and more severe than previously thought, and that aggressive reductions in emissions within the next decade are essential to avoid the most devastating climate change harms.

Attachment: Connect SoCal PEIR Addendum (Final Connect SoCal Technical Refinements and PEIR Addendum)

The impacts of climate change are already being felt by humans and wildlife. Thousands of studies conducted by researchers around the world have documented changes in surface, atmospheric, and oceanic temperatures; melting glaciers; diminishing snow cover; shrinking sea ice; rising sea levels; ocean acidification; and increasing atmospheric water vapor (USGCRP 2017). In California, climate change will transform our climate, resulting in impacts including, but not limited to, increased temperatures and wildfires and a reduction in snowpack and precipitation levels and water availability.

II. The County Has a Responsibility to Reduce GHG Emissions.

California gives local authorities like the County significant responsibility over land use and planning decisions within their jurisdictions. But with that responsibility comes a corresponding obligation to account for the negative environmental impacts of those decisions—especially when it comes to controlling GHG emissions. As the California Air Resources Board (“CARB”) explains:

Local governments are essential partners in achieving California’s goals to reduce GHG emissions. Local governments can implement GHG emissions reduction strategies to address local conditions and issues and can effectively engage citizens at the local level. Local governments also have broad jurisdiction, and sometimes unique authorities, through their community-scale planning and permitting processes, discretionary actions, local codes and ordinances, outreach and education efforts, and municipal operations. Further, local jurisdictions can develop new and innovative approaches to reduce GHG emissions that can then be adopted elsewhere.

(CARB 2017.) California’s Scoping Plan, which lays out the statewide blueprint for meeting the legislature’s greenhouse gas reduction targets, also specifically calls out local governments as essential to meeting these targets:

[L]ocal governments and agencies are critical leaders in reducing emissions through actions that reduce demand for electricity, transportation fuels, and natural gas, and improved natural and working lands management. . . . Over the last 60 years, development patterns have led to sprawling suburban neighborhoods, a vast highway system, growth in automobile ownership, and under-prioritization of infrastructure for public transit and active transportation. Local decisions about these policies today can establish a more sustainable built environment for the future.

(CARB 2017.) Thus, the County must take seriously its obligation to do its utmost to ensure that it is reducing GHG emissions and contributing to the state’s achievement of its emissions reduction targets.

III. The Draft CAP Fails to Explain How It Will Meet State Goals.

While the Draft CAP acknowledges statewide climate goals (Draft CAP at 6-8 & 36), it does not explain how measures in the Draft CAP will actually meet these statewide climate goals. For instance, statewide targets require GHG emissions to be reduced to 1990 levels by 2020, 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by 2050, and achieve statewide carbon neutrality by 2045. (Draft CAP at 17 & 36.)

In contrast, the Draft CAP includes a different set of goals: by 2025, reduce GHG emissions by 25 percent below 2015 levels; by 2035, reduce GHG emissions by 50 percent below 2015 levels; and by 2045, achieve carbon neutrality in unincorporated Los Angeles County. (Draft CAP at 8.) The Draft CAP fails to explain how these goals are either consistent or inconsistent with each of the statewide goals.

The Draft CAP therefore does not qualify as a CEQA “streamlining” document. CEQA Guidelines section 15183.5(b)(1)(D) require that a climate action plan demonstrate that it will achieve planned reductions on a project by project basis. In *Cleveland National Forest Foundation v. San Diego Association of Governments*, the California Supreme Court provided more clarity on what facts, data, and goals projects should analyze in their greenhouse gas analyses under CEQA. ((2017) 3 Cal.5th 497.) The Court found that although an “Executive Order ‘is not an adopted GHG reduction plan’ and that ‘there is no legal requirement to use it as a threshold of significance[,]’ ... [t]he Executive Order’s 2050 goal of reducing California’s greenhouse gas emissions to 80 percent below 1990 levels expresses the pace and magnitude of reduction efforts that the scientific community believes necessary to stabilize the climate. This scientific information has important value to policymakers and citizens in considering the emission impacts of a project like SANDAG’s regional transportation plan.” (*Id.* at 515-516.) Therefore, the Draft CAP should include further discussion on measures that could ensure the County meets statewide goals.

IV. The Draft CAP’s GHG Emissions Inventory Is Incomplete.

The Draft CAP lists five categories of GHG emissions in its GHG inventory: transportation, stationary energy, waste, industrial processes and product use (“IPPU”), and agriculture, forestry and, other land use (“AFOLU”). (Draft CAP at 30-32.) The CAP should set forth the emissions categories in more detail. A guide prepared by the Bay Area Air Quality Management District (“BAAQMD”) recommends, for example, listing the GHG emissions of specific items such as streetlights and traffic signals. (BAAQMD 2009.)

The Draft CAP also does not explain whether “transportation” emissions include emissions outside the County by activity within the County (for example, from exported goods or tourist travel to County from outside the County). This very shortcoming led to a judge invalidating Sonoma County’s CAP last year, after the judge determined that it failed to account for all of the County’s emissions by excluding transboundary emissions.¹ (Attachment 2.)

¹ The court also held that the CAP’s GHG reduction measures were not clearly defined or enforceable, which is also an issue with the Draft CAP here.

V. The Draft CAP's Reduction Strategies and Measures Are Non-Binding And Unenforceable.

The Draft CAP states that if future projects “tier” off of it, then compliance will negate the need for a qualitative analysis of future projects’ GHG emissions. (Draft CAP at 15.) The Draft CAP also correctly lays out the legal requirements of a climate action plan. (Draft CAP at 15.) For instance, a CAP must “Specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level....” (Draft CAP at 15.) Therefore, the Final CAP, and any such plan prepared pursuant to CEQA Guidelines 15183.5, must meet the requirements for all first-tier environmental review documents and thus must impose enforceable requirements and measures with defined performance standards.²

Unfortunately, many of the Draft CAP’s reduction measures are largely non-binding and unenforceable, and generally lack performance standards. Notably, the words “encourage,” “promote,” “support” or “whenever feasible” occur many times in the sections describing the Draft CAP’s implementation measures. These measures are legally inadequate and cannot be considered mitigation under CEQA and applicable case law. (*Lincoln Place Tenants Assn. v. City of Los Angeles* (2007) 155 Cal.App.4th 425, 445 [“A ‘mitigation measure’ is a suggestion or change that would reduce or minimize significant adverse impacts on the environment caused by the project as proposed”]); *Preserve Wild Santee v. City of Santee* (2012) 210 CA 4th 260, 281 [mitigation measures that are so undefined that their effectiveness is impossible to determine are legally inadequate].) The California Attorney General has also expressly disapproved such an approach for measures upon which an agency relies:

Can a lead agency rely on policies and measures that simply “encourage” GHG efficiency and emissions reductions?

No. Mitigation measures must be “fully enforceable.” *Adequate mitigation does not, for example, merely “encourage” or “support” carpools and transit options, green building practices, and development in urban centers.* While a menu of hortatory GHG policies is positive, it does not count as adequate mitigation because there is no certainty that the policies will be implemented.

(CA Attorney General 2009.) The California Attorney General further states that programmatic plans to reduce GHG emissions pursuant to CEQA Guidelines section 15183.5 must “[i]dentify a set of specific, enforceable measures that, collectively, will achieve the emissions targets....” (CA Attorney General 2019.)

In *Sierra Club v. County of San Diego* (2014) 231 Cal.App.4th 1152, the Fourth District Court of Appeal criticized the County of San Diego for including measures in its CAP that were not backed up by a firm commitment by the County that they would be implemented. The Court noted that many of the measures in the CAP “are not currently funded,” such that the County of San Diego could not rely upon such unfunded programs to meet GHG reductions. (*Id.* at 1168-

² Specifically, CEQA Guidelines section 15183.5(b)(1)(D) states that measures should have “performance standards” which demonstrate they will achieve the planned reductions on a project by project basis.

1169.) The *Sierra Club* opinion also questioned whether people would actually participate in various programs outlined in the CAP, given that the record contained no evidence of such participation. (*Id.* at 1170.) Here, the Draft CAP suffers from similar defects – there is no evidence of funding for many of the various programs set forth in the Final CAP, nor evidence in the record that people or industry will actually participate in the voluntary programs described in the Draft CAP.

Accordingly, although the Draft CAP’s reduction measures may generally be worthwhile objectives for the County to pursue, the Draft CAP fails as a CEQA compliance tool because it relies upon non-enforceable measures. The Draft CAP also does not have adequate mechanisms to monitor progress towards achieving verifiable reduction targets.

VI. Strategy 2 Fails to Include Sufficient Measures to Support Transit Oriented Communities.

The Center generally supports the goals of Strategy 2 to support transit oriented communities. However, the targets are unclear, inadequate, and do not provide a path to actually achieve this goal. For instance, the 2025 target is to (1) “increase new housing built within 1/2 mile of high frequency transit to 50%” and (2) “reduce VMT per capita to 20 miles.” This target does not specify what the “50%” is a percent of – does this mean 50% of all new housing units in the County? This needs to be clarified in the Final CAP. In addition, it is unclear whether the County is intending to reduce VMT per capita to 20 miles *per day* or some other amount of time. More importantly, VMT per capita of 20 miles a day is still an extremely high number; the CAP should have more aggressive goals to reduce VMT per capita by 2025. As described in further detail in our comment letter on the Draft Sustainability Plan, significant reductions in VMT are required if the state is to meet its GHG reduction goals. (See Attachment 1 at p. 9-10.)

Unfortunately, the Actions supporting Strategy 2 provide no concrete requirements or criteria, or way to measure success. For instance, Action T1 states “Expand the number and extent of transit oriented communities, by encouraging development within High Quality Transit Areas, while ensuring vital public amenities such as parks and active transportation infrastructure are included.” (Draft CAP at 50.) Action T1 fails to contain a clear plan how such development will be “encouraged” such that it is little more than a hortatory statement. Likewise, Action T2 states “Develop community plans that will increase the percentage of residents who could live and work within the same community, and that could decrease the vehicle miles traveled.” (*Id.*) This action suffers from the same defects as Action T1. It is also fails to specify any target increase in percentage of residents who live or work in the same community, or elements of such “community plans.”

VII. Strategy 3 Fails to Include Sufficient Measures to Reduce VMT.

Strategy 3 aims to reduce single occupancy vehicle (“SOV”) vehicle trips. However, the Draft CAP does not contain sufficiently aggressive goals. For instance, the Draft CAP only seeks 15 percent of trips to be non-SOV trips by 2025. (Draft CAP at 51.) As we noted in our comments on the Draft Sustainability Plan (Attachment 1), even if this target is met, in five years 85 percent of trips in the County will still be by car. The Draft CAP should call for much stronger measures to reduce SOV trips and VMT. The best way to do this is to limit development

in areas far from existing cities, as remote developments generate disproportionately high levels of VMT.

The actions within Strategy 3 are similarly inadequate. For instance, Action T5 states “develop a transportation technology strategy to proactively address how evolving tech-enabled mobility options can support public transit and advance OurCounty goals.” (Draft Plan at 51.) This is extremely vague and suffers from the defects outlined in Section V above. Similarly, Action T8 generally refers to “expand[ing] shade along and over pedestrian networks through zoning code revisions that encourage shade-providing building features,” but provides no enforceable requirements or metrics as to how much “shade expansion” will be required. (Draft CAP at 52.) Also illustrative of this problem is Action T11, which states, “Develop and implement a transportation demand management (TDM) ordinance that requires developers to incorporate measures such as subsidized transit passes and car share.” (Draft CAP at 53.) The time and opportunity to develop measures to require of developers for future projects is here in the CAP, if the County wishes to use the CAP as a CEQA streamlining document.

VIII. Strategy 4 Does Not Include A Clear Plan to Institutionalize Low-Carbon Transportation.

The Center supports Strategy 4 – institutionalize low-carbon transportation. (Draft CAP at 44.) However, the related “Targets” are woefully inadequate – the Draft Plan only seeks 500 EV and 200 ZEV charging stations at County-owned or public properties, and contains no targets for the remainder of the County (e.g., private businesses, residential developments). (Draft CAP at 55.) Likewise, the “Actions” provide no actual mandate for developers or landowners to incorporate charging stations into infrastructure.

If the County is serious about institutionalizing low carbon transportation, it needs to do far more than simply add a few hundred EV chargers at public venues. The CAP should instead include aggressive mandates for every new development (commercial and residential) to include an adequate number of EV chargers, as well as a crediting system in order to incentivize the retrofitting of existing commercial and residential developments with EV chargers.

The CAP should also require installation of charging stations at *all* County-owned properties and public venues, as well as in appropriate public right-of-ways.

And as with the other sections of the CAP, the “Actions” are vague, unenforceable, and do not include any performance criteria. For instance, Action T20 states: “Partner with a car or ride-sharing organization to provide access to EVs for low-income and disadvantaged community residents.” (Draft CAP at 57.) Action T20 does not provide any guidance as to what “partnering” means, nor does it provide any benchmark for success. How much expanded access to EVs will the County pursue via this measure? By failing to include any actual target or goal to measure success, the Draft CAP dooms this (and many other Actions) to failure.

IX. Strategy 5 Does Not Contain Clear Plan To Accelerate Freight Decarbonization.

The Center supports the goal to accelerate freight decarbonization. Unfortunately, once again, the Draft CAP’s Targets and Actions are not sufficient to meaningfully support this goal.

The Draft CAP does not even clear targets for medium-duty delivery trucks – it simply states that 25-50 percent of medium-duty delivery trucks should be electric or zero emission by 2025. (Draft CAP at 58.) This renders it unclear whether the goal is 25 percent or 50 percent. And the Draft CAP simply has no corresponding and more aggressive targets for 2035 and 2045.

Likewise, the Actions are untenably vague. By way of example, Action T25 states: “Implement freight decarbonization technologies along highway corridors passing through unincorporated communities ...” (Draft CAP at 59.) No specifics, enforceable mandates, or performance criteria are used to define this purportedly “Major Action.”

X. Strategy 6 Contains No Plan to Implement Zero Emissions Technologies for Off-road Vehicles and Equipment.

The Draft CAP should include concrete plans to implement and eventually require zero emissions technologies off-road vehicles and equipment. Instead, the Action items include non-binding language like: “Partner with SCAQMD and AVAQMD to *encourage* the use of zero-emission and near-zero-emission construction, agriculture, and manufacturing equipment.” (Draft CAP at 60, emphasis added.) The CAP can, and should, require zero emission or near-zero emission equipment by a specific date.

XI. Strategy 7 Does Not Provide A Plan To Decarbonize Building Energy Use.

The Center supports decarbonizing building energy use, but finds that the Draft CAP squanders an opportunity to establish the County as a leader in this area. The Final CAP should require zero net energy on all new commercial and residential construction. Zero net energy is feasible, as other projects in the County that have recently been approved include a goal of zero net greenhouse gas emissions.³

Indeed, the Draft CAP does not even contain goals that are consistent with state-wide goals. The California Energy Efficiency Strategic Plan provides:

All new residential construction will be zero net energy (ZNE) by 2020.
 All new commercial construction will be ZNE by 2030
 50% of commercial buildings will be retrofit to ZNE by 2030
 50% of new major renovations of state buildings will be ZNE by 2025.⁴

In contrast, the Draft CAP only sets a target of 50 percent of all new buildings and major building renovations being “net zero carbon” by 2025 and 100 percent by 2045. (Draft CAP at 63.) The Draft Plan should contain far more aggressive goals that are consistent with climate science; the entire building sector should achieve zero emissions no later than later than 2045,

³ See California Department of Fish and Wildlife, *Newhall Ranch Resource and Development Management and Development Plan, Final Additional Environmental Analysis*, Appendix 2.1, available at http://planning.lacounty.gov/assets/upl/case/tr_53108_appendix-2-0-cdfw-final-aea-excerpts.pdf.

⁴ California Public Utilities Commission, *Zero Net Energy*, available at <https://www.cpuc.ca.gov/ZNE/>.

with interim enforceable benchmarks.⁵ Moreover, the Draft CAP also does not explain whether term “net zero carbon” is consistent with the state definition of zero net energy.

Strategy 7’s Actions fair no better. For instance, Action SE2 simply states “Establish carbon intensity limits for buildings over 20,000 square feet.” (Draft CAP at 64.) This contains no objection performance criteria – at best, it is a promise to develop performance criteria at some unspecified time in the future. As such, it fails as a CEQA mitigation measure. (See discussion in Section V above.)

Action SE4 also vaguely promises to “Adopt building code requirements for electric water and space heating and encourage alternatives to other natural gas uses in new and existing buildings.” (Draft CAP at 64.) The CAP needs to actually describe building code requirements or provide performance criteria. And “encouraging alternatives” is not a CEQA mitigation measure. Action SE7 likewise promises collaboration with the City of Los Angeles and Santa Monica to “develop building energy and emissions performance standards,” but provides no specifics on what those standards will entail, or what level of emissions reductions they would be expected or required to provide. (Draft CAP at 65.)

Action SE5 states “Adopt CALGreen Tier 1 green building standards and identify which Tier 2 standards could be adopted as code amendments.” (Draft CAP at 64.) However, significant portions of the California Green Building Standards are already mandatory. Such that it is unclear whether there is simply a restatement of existing law.⁶

Action SE6 is problematic for other reasons. This Action states, “Incentivize net zero energy residential and commercial buildings through streamlined development reviews.” (Draft CAP at 65.) First, as noted above, zero net energy should be *required*, not simply incentivized. Second, the Action does not explain what or how development review will be “streamlined.” While a CAP that complies with CEQA can streamline some aspects of development, development review should not be streamlined in a way that overlooks other non-climate impacts of a project, such as impacts on air quality, public health, wildlife, and traffic.

In contrast to the vague and unenforceable Actions in the Draft CAP, there are number of enforceable policies that can be used to reach achieve zero emissions by 2045 for all buildings. The Sierra Club’s *Building Electrification Action Plan for Climate Leaders* outlines various proposals, including a zero emission building code, local ordinances restricting gas and requiring all-electric new construction for all building types, GHG performance benchmarking, and air pollution standards for appliances. (See footnote 5.)

⁵ Rachel Golden, *Building Electrification Action Plan for Climate Leaders* <https://www.sierraclub.org/sites/www.sierraclub.org/files/Building%20Electrification%20Action%20Plan%20for%20Climate%20Leaders.pdf> (Dec. 2019).

⁶ See California Building Standards Commission, “California’s Green Building Code,” available at <https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen>.

XII. Strategy 9 Does Not Provide A Concrete Plan To Increase Energy Resilience.

The Center supports the Draft CAP’s goal to shift to a renewables-based electricity supply which ensures equitable access to affordable, local, and reliable energy sources. (Draft CAP at 69.) The Center urges the County to include more ambitious targets for distributed energy resources (“DER”). The Draft CAP calls for a 200 megawatt increase in DER capacity by 2025 and a 1 gigawatt increase by 2045. The Center urges the County to incorporate a target of 1 gigawatt in photovoltaic (“PV”) energy by 2025 and 4 gigawatts by 2045. The Draft CAP should include a target for 500 megawatts of distributed storage capacity by 2045 and 2 gigawatts by 2045.

DER plays a unique and vital role in creating a renewable energy future that not only promotes deeper renewable penetration, but also advances fundamental goals of equal access to clean energy, social justice, and biodiversity protection. With minimal water use, no emissions from generation, and minimal land use impacts, distributed solar is the most sustainable energy source currently in production.⁷ Further, building up distributed solar allows communities to gain local control over their energy system rather than leaving that control in the hands of investor-owned monopoly utilities. This shift empowers communities to make their own energy choices and gives them access to cheaper and cleaner energy, driving energy democracy. Progressive community solar policy can also enable renters and individuals who cannot afford to buy solar energy systems to invest in renewable energy, which in turn creates economic growth and local employment opportunities.

Studies show that far more ambitious targets for DER are currently feasible. A study by the National Renewable Energy Laboratory found that Los Angeles could support 9 gigawatts of rooftop solar, or 60 percent of its estimated total energy demand, using fairly conservative estimates.⁸ Another study by the Institute of the Environment and Sustainability at the University of California, Los Angeles (“UCLA”) found that rooftop solar can provide 7200 gigawatt hours of on-site building demands in a study area of 1.2 million parcels in L.A. County, which would meet approximately 29 percent of on-site building demands.⁹

The UCLA study found that remaining building demand that would be met by grid sources is approximately 18,000 gigawatt hours, and the potential solar output to export to the grid that is not used on-site is 16,400 gigawatt hours – this significant amount of additional electricity could be available for use by neighboring properties or elsewhere. The UCLA study also found that existing policies regulating grid operations limit potential rooftop solar output; in 20 percent of communities, current policies would reduce the technical potential of net solar generation by limiting the size of the arrays that can be installed. Moreover, the UCLA study found that lower-income and at-risk communities have greatest capacity for solar energy exports

⁷ Wisner, R. et al., “The environmental and public health benefits of achieving high penetrations of solar energy in the United States,” *Nature Energy* Vol. 113, pp. 472-486 (2016); Hernandez, R.R., Hoffacker, M.K. and C. Fields, “Efficient Use of Land to Meet Sustainable Energy Needs,” *Nature Climate Change*, Vol. 5: 353–358, (2015).

⁸ Pieter Gagnon, et al., *Rooftop Solar Photovoltaic Technical Potential in the United States: A Detailed Assessment* (Jan. 2016), available at <https://www.nrel.gov/docs/fy16osti/65298.pdf>.

⁹ Erik Porse, et al., *Net solar generation potential from urban rooftops in Los Angeles*, Energy Policy (July 2020).

to the grid. In short, the County should take a hard look at the actual solar capacity of the County based upon existing studies and include policies to meet or exceed the actual solar capacity.

The proposed Actions are also insufficient to address either the targets in the Draft CAP or the more aggressive targets proposed by the Center. Action SE14 proposes developing a community energy map that identifies opportunities for deploying distributed energy resources and microgrids in order to improve energy resiliency in disadvantaged communities. (Draft CAP at 69.) Instead of merely generating a map, the County should develop a program or ordinance to fund and facilitate PV and storage microgrid development, especially for unincorporated and fire-prone areas. The County could begin this program in fire-prone communities, and aim for a minimum of 10 percent PV and storage microgrids instead of simply 10 percent DER installation in fire-prone communities.

XIII. Strategy 10 Fails to Provide a Plan To Reach the Target Renewable Energy Goals.

The Center supports the general goal of Strategy 10 to increase renewable energy, but notes that much stronger targets should be incorporated into the Draft CAP. The Draft CAP calls for installation of solar on only 20 percent of commercial buildings over 50,000 square feet and at least 10 percent of single family residential buildings by 2025, and higher targets for 2035 and 2045.

The Draft CAP should set far more ambitious targets. It should require solar on 60 percent of commercial buildings of any size that are solar compatible and 50 percent of residential buildings by 2025, and 100 percent of all solar compatible buildings by 2030.

The Draft CAP also does not specify *how much* solar must be installed on buildings; by its own terms, a single small panel could be installed on a building, and that building could potentially count towards the goals. As with other sections of the Draft CAP, the Draft CAP does not explain or provide data (e.g., in appendices) how the anticipated GHG mitigation potential is supported by the target.

Once again, the proposed mitigation strategies or “Actions” fall far short of even meeting the Draft CAP’s existing targets. For instance, Action SE17 simply promises that the County will “encourage 100% renewable energy resource mix by 2025.” (Draft CAP at 72.) The severity and urgency of the climate crisis requires governments to do far more than simply “encourage” positive steps—the climate crisis (and state laws and policies) *requires* far more aggressive actions.

Moreover, the Draft CAP should strengthen the County’s role in supporting the community choice aggregation program. More specifically, the Draft CAP should include a no-cost subscription program for low-income families as well as tenants to participate. Such programs could be funded by creating a Community Energy Benefits Fund that would then be overseen by citizen task force or other non-governmental body—the Portland Clean Energy Fund illustrate of how such a program could function. Another example is East Bay Community Energy, which serves Alameda County.

XIV. The Draft CAP Fails to Contain Any Clear Plan To Support Strategy 16, Conserve Forests and Working Lands

The Center supports the conservation of forests and working lands. The Center also supports the targets to increase urban tree canopy. However, the Draft CAP fails to acknowledge how this plan fits into other related plans and programs. In particular, the City of Los Angeles is currently moving forward with a “Safe Sidewalks” initiative that will likely result in the destruction of many thousands of urban trees.¹⁰

Moreover, the Center supports Action A1 – supporting “the preservation of agricultural and working lands, including rangelands, and restore forest lands, by limiting the conversion of these lands to residential or other uses through tools such as the creation of agricultural easements, particularly within high climate-hazard areas and SEAs.” (Draft CAP at 87.) Yet, as outlined in our comments on the Draft Sustainability Plan, the County has a pattern and practice of *approving* large-scale development in rangelands and forest lands, particularly in high fire hazard areas. (See Attachment 1 at p. 4.) Action A1’s unenforceable promise to “limit” such conversion is unavailing and fails as a CEQA mitigation measure. (Draft CAP at 87.)

XV. The Draft CAP Fails to Identify Funding Sources for Mitigation Strategies.

As noted above, in *Sierra Club v. County of San Diego* (2014) 231 Cal.App.4th 1152, the Court of Appeal determined that measures in a CAP were insufficient when they were not adequately funded. (*Id.* at 1168-1169.) Here, the various “actions” in the Draft CAP acknowledge that funding will be required (using icons ranging from a \$ to \$\$\$\$\$), but fail to include a specific estimate of how much funding may cost, or identify an available source of funding. Similarly, the handful of sentences in the Implementation Plans “identification of funding sources” provide no specificity nor commitment for funding any of the Draft CAP’s Actions. (See Draft CAP at 92.) This renders the Draft CAP inadequate as a CEQA streamlining document. Moreover, this omission calls into question whether any of the programs outlined in the Draft CAP will ever be implemented.

XVI. The Draft EIR Should Provide Further Detail on Mitigation Measures for Individual Projects.

The Center understands that the County will be preparing an EIR for the CAP. (See, e.g., Draft CAP at 15 [“With the adopted CAP, project-specific environmental documents that incorporate applicable CAP actions can “tier off” the environmental document adopted for the CAP to meet project-level CEQA evaluation requirements for GHG emissions.”].) In addition, CEQA Guidelines section 15183.5(b)(1)(F) requires that a climate action plan be adopted in a public process “after environmental review.” Subdivision (b)(2) provides that “[a] plan for the reduction of greenhouse gas emissions, once adopted following certification of an EIR or adoption of an environmental document, may be used in the cumulative impacts analysis of later project.”

¹⁰ Safe Sidewalks LA, Draft Environmental Impact Report, available at <https://sidewalks.lacity.org/environmental-impact-report>.

The Center hereby requests a minimum 90-day comment period for the Draft EIR in order to allow for adequate review by the public, particularly given the importance of the document for region-wide planning and the complexity of the issues. We hope that the Draft EIR and next draft of the CAP include and evaluate clear and enforceable measures to put the County on track to reach each of the statewide goals.

XVII. Conclusion

Thank you for the opportunity to submit comments on the Draft CAP. The Center strongly supports many of the goals of the Draft CAP. But these goals are not supported by clear, enforceable, and funded policies. The Center urges the County to significantly revise the CAP in order to address these deficiencies.

Please do not hesitate to contact us if you would like to meet to further discuss these issues.

Sincerely,



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(attached via OneDrive link)

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Attachment 1



May 24, 2019

Sent via email and FedEx

Los Angeles County Chief Sustainability Office
Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012
sustainability@lacounty.gov

Re: Comments on Discussion Draft of Los Angeles Countywide Sustainability Plan

Dear Los Angeles County Chief Sustainability Office:

These comments are submitted on behalf of the Center for Biological Diversity (“Center”) regarding the Discussion Draft of the Los Angeles Countywide Sustainability Plan (“Draft Plan”). The Center appreciates the Chief Sustainability Office’s efforts in developing the Draft Plan and generally supports the goals of the Draft Plan. We urge the Chief Sustainability Office and the Los Angeles County Board of Supervisors (“Board”) to ensure that the strategies and policies supporting these goals are clear and enforceable.

A. Background on the Center for Biological Diversity.

The Center for Biological Diversity (“Center”) is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over one million members and online activists throughout California and the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Los Angeles County.

B. The Center Urges Stronger Buffers to Ensure Healthy Community Environments.

We strongly support Goals 1 and 4—“resilient and healthy community environments where residents thrive in place” and opportunities for residents and businesses to “transition to clean economy sectors.” (Draft Plan at 20 & 72.) We also support strong efforts to decrease the public health problems generated by freeways and oil and gas drilling, but are concerned that the proposed targets and actions do not go far enough.

The Plan Should Require Larger Buffers between Sensitive Uses and Freeways

We support “siting of new sensitive uses, such as playgrounds, daycare centers, schools, residences, or medical facilities” farther from freeways, but are concerned that the proposed 500-foot buffers are insufficient. Studies indicate even people **900 to 1200 feet** from freeways experience health impacts and sensitive receptors such as children and the elderly suffer the most. (Lin 2002.) A review of 700 studies concluded that pollution causes asthma attacks in children, the onset of childhood asthma, impaired lung function, premature death and death from cardiovascular diseases, and cardiovascular morbidity. (Health Effects Institute 2010.) The Health Effects Institute study concluded that the “exposure zone” was 300 to 500 meters from the highways (984 feet to 1640 feet). (*Id.*) Other studies have reached similar conclusions. (Suglia 2008.) Living near expressways also increases the likelihood that residents will suffer from dementia. (Chen 2017.) The University of Southern California’s Environmental Health Centers have also collected data and studies showing risks and health impacts to pregnant women, babies, children, teenagers, adults, and seniors of living by a freeway.¹

The Plan Should Require 2500-foot Setbacks to Separate Oil and Gas Facilities from Homes

We would like to emphasize our support for the Draft Plan’s inclusion of a series of actions to address the disproportionate exposure of low-income communities of color to fossil fuel extraction and refining (Actions 2, 3, 4, 5 and 7). In addition, we support Action 78 that calls for collaborating with the City of Los Angeles to develop a sunset strategy for oil and gas operations that prioritizes disproportionately impacted neighborhoods. In the final adoption of the plan, we urge the County to incorporate a more specific, concrete and common sense measure that we have supported at the City and County as an ally of the STAND-LA coalition: a 2500-foot setback (or buffer zone) to separate oil and gas facilities from homes, schools and other sensitive land uses, with a plan to phase out existing oil and gas within no more than five years. We are also supportive of the Draft Plan’s inclusion of a commitment to a “Just Transition” that examines the impact of the transition to a cleaner economy and develops strategies for supporting displaced workers and connecting them with meaningful job training and employment opportunities (Actions 56 and 57).

¹ University of Southern California Environmental Health Centers, *References: Living Near Busy Roads or Traffic Pollution*, available at <http://envhealthcenters.usc.edu/infographics/infographic-living-near-busy-roads-or-traffic-pollution/references-living-near-busy-roads-or-traffic-pollution> (collecting studies). See also Tony Barboza and Jon Schleuss, “L.A. keeps building near freeways, even though living there makes people sick,” *Los Angeles Times* (Mar. 2, 2017), available at <http://www.latimes.com/projects/la-me-freeway-pollution/>.

Reducing Asthma and Toxic Emissions through Less VMT

The Center strongly supports decreasing child asthma rates as proposed by the Draft Plan. However, this will not be possible if the Board continues to approve projects that add more unnecessary freeway traffic and air pollution to the region. An example of this is the recently-approved Centennial development approved by the Board, which will add 75,000 new long distance car commuters onto our freeways, increasing air pollution and hindering efforts to reduce toxic emissions.

C. The Center Supports Goal 2 and Urges Implementation of Zero Net Energy Standards.

We support the Plan’s Goal 2—ensuring that “[b]uildings and infrastructure that support human health and resilience.” (Draft Plan at 42.) The Center notes that Action Item 30 envisions the County will “Pilot high performance building standards for new County buildings beyond the current LEED Gold standard, such as Passive House, Zero Net Energy, Net Zero Water, Net Zero Waste...” (Draft Plan at 50.) The Center urges the Plan to require more than just a “pilot” for Zero Net Energy and instead move forward with policies and standards to require zero net energy for new construction.

Zero net energy is feasible, as other projects in the County that have recently been approved include a goal of zero net greenhouse gas emissions. Such projects intend to achieve that goal through reducing onsite greenhouse gas emissions to the greatest extent practicable, but also by offsetting any other emissions through local emissions reductions projects.²

D. The Center Supports Goal 3 and Urges Concrete and Enforceable Policies to Limit Sprawl Development.

The Center strongly supports the Draft Plan’s goal of equitable and sustainable land use and development without displacement. (Draft Plan at 58.) The Center agrees that the way the County “choose[s] to direct that growth has huge implications for the environment, the economy and social equity.” (*Id.*) Likewise, the Center agrees:

Patterns of exurban sprawl and development in high-hazard areas can place major burdens on our infrastructure and public budgets, especially for unincorporated communities where the County of Los Angeles acts as the municipal service provider. Outward growth limits the resources we could otherwise be investing in our existing communities, where we can promote sustainability, health and well-being by improving walkability and promoting a mixture of uses.

(Draft Plan at 58.) The Draft Plan is correct that exurban sprawl imposes a hidden tax on existing communities. Studies recognize that sprawl “may deprive the poor of economic

² See California Department of Fish and Wildlife, *Newhall Ranch Resource and Development Management and Development Plan, Final Additional Environmental Analysis*, Appendix 2.1, available at http://planning.lacounty.gov/assets/upl/case/tr_53108_appendix-2-0-cdfw-final-aea-excerpts.pdf.

opportunity...when jobs, stores, good schools and other resources migrate outward from the core city, poverty is concentrated in the neighborhoods that are left behind.” (Frumkin 2002.) Studies also show that sprawl disproportionately increases costs on local government through increased infrastructure costs. (Litman 2015.) One study found that the external costs of sprawl are around \$500 billion annually and \$650 billion internally. (*Id.*) Sprawl also has significant equity implications—“the abandonment of the metropolitan core leaves inner cities and first-ring suburbs struggling to provide adequate services with an eroded tax base even as growth continues on the periphery.” (Belzer 2002.)

The Draft Plan is also correct that “[u]rban sprawl generally requires expensive and expansive infrastructure networks that drain resources and contribute significantly to greenhouse gas emissions.” (Draft Plan at 60.)

Unfortunately, with the exception of Supervisor Kuehl, the Board has not shown they are serious about curbing urban sprawl. County supervisors just approved one of the biggest urban sprawl projects in California history last month, the 12,000-acre Centennial Specific Plan, on remote wildlands in the northern corner of the County. The Center informed the County that Centennial would result in less investment in existing communities and—as observed by the developer’s own consultants—draw demand away from existing communities in Santa Clarita and San Fernando. The development would also require the construction of a new six-lane freeway (the Northwest 138 Corridor “Improvement Project”), at an initial cost to taxpayers of \$830 million.

The Board also just approved the 1,300-acre Northlake development over the objection of the Santa Monica Mountains Conservancy (and the Center). That project will pave over pristine wildlands, inhibit wildlife connectivity in the region, and disproportionately contribute to greenhouse gas emissions, traffic, and air pollution.

If the County is serious about ending its historical pattern of approving more development in the county’s diminishing wildlands and rangelands, then it needs to adopt strong enforceable policies to meet this goal. Action 44 is a step in the right direction. The Draft Plan states, “Prohibit the conversion of working lands to residential uses, including farms and rangelands.” (Draft Plan at 60.) Such a policy—if it were actually consistently enforced—would be a strong step forward in protecting the County’s natural resources.

E. The Center Supports the Draft Plan’s Target to Limit Discretionary Development in High Fire Areas.

We support Strategy 3E—limiting development in high fire areas. The science is clear that we can no longer continue building new large-scale development in high fire areas. In Southern California, sprawl developments with low/intermediate densities extending into chaparral and sage scrub habitats that are prone to fire have led to more frequent wildfires caused by human ignitions, like arson, improperly disposed cigarette butts, debris burning, fireworks, campfires, or sparks from cars or equipment (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Radeloff et al. 2018). Human-caused fires account for 95% of all fires in Southern California (Syphard et al.

2013), and homes filled with petroleum-based products, such as wood interiors, paint, and furniture, provide additional fuel for the fires to burn longer and spread farther (Keeley et al. 2007). The most numerous and largest fires in Southern California have been caused by equipment and powerlines in the wildland-urban interface, where housing density is low to intermediate (Syphard and Keeley 2015), and leapfrog developments have been found to have the highest predicted fire risk in the County (Syphard et al. 2013).

More development in high fire areas such as chaparral and sage scrub would lead to a dangerous feedback loop of deadly fires and habitat destruction. These habitats are adapted to infrequent (every 30 to 150 years), large, high-intensity crown fire regimes (Pyne et al. 1996; Keeley and Fotheringham 2001), and if these regimes are disrupted, the habitats become degraded (Keeley 2005, 2006a,b; Syphard et al. 2018). When fires occur too frequently, type conversion occurs and the native shrublands are replaced by non-native grasses and forbs that burn more frequently and more easily, ultimately eliminating native habitats and biodiversity while increasing fire threat over time (Keeley 2005, 2006a,b; Syphard et al. 2009; Safford and Van de Water 2014; Syphard et al. 2018). Thus, placing developments in these high fire-prone areas will lead to more frequent fires while degrading the health and biodiversity of Southern California's ecosystems.

Nonetheless, the "actions" in the Draft Plan do not set forth a clear plan to actually limit development in high fire areas. In particular, while the Countywide "Target" states "no new discretionary development in high hazard areas" by 2025, there is no "action" proposed to meet this target. (Draft Plan at 70.) Instead, as mentioned above, the County has been approving large-scale development such as Centennial and Northlake in high fire areas. By approving entitlements for these projects now despite the science showing such development is dangerous, costly, and environmentally harmful, the County is ensuring large-scale development will continue in fire-prone areas for many years.

F. The Center Strongly Supports Goal 5 and Urges The County To Develop a Wildlife Connectivity Ordinance

The Center strongly supports the Draft Plan's goal of thriving ecosystems, habitats, and biodiversity. (Draft Plan at 78.) To realize this goal, the Plan must consider the issue of wildlife connectivity and the effects of suburban development on wild areas, as explained below.

Habitat Connectivity Is Essential for Wildlife Movement and Biodiversity Conservation.

Habitat connectivity is vital for wildlife movement and biodiversity conservation. Limiting movement and dispersal with barriers (*e.g.*, development, roads, or fenced-off croplands) can affect animals' behavior, movement patterns, reproductive success, and physiological state, which can lead to significant impacts on individual wildlife, populations, communities, and landscapes (Trombulak and Frissell 2000; Tewksbury et al. 2002; Cushman 2006; van der Ree et al. 2011; Haddad et al. 2015; Ceia-Hasse et al. 2018). Individuals can die off, populations can become isolated, sensitive species can become locally extinct, and important ecological processes like plant pollination and nutrient cycling can be lost. In addition, connectivity between high quality habitat areas in heterogeneous landscapes is important to

allow for range shifts and species migrations as climate changes (Heller and Zavaleta 2009, Cushman et al. 2013). Lack of wildlife connectivity results in decreased biodiversity and degraded ecosystems. Thus, preserving and maintaining natural and created corridors is critical for species and habitat conservation in fragmented landscapes (Gilbert-Norton et al., 2010).

Wildlife connectivity and migration corridors are important at the local, regional, and continental scale. Local connectivity that links aquatic and terrestrial habitats would allow various sensitive species to persist, including state- and federally-protected California red-legged frogs (*Rana draytonii*), arroyo toads (*Anaxyrus californicus*), and other species. At a regional scale, medium- and large-sized mammals that occur in Los Angeles County, such as mountain lions (*Puma concolor*), bobcats (*Lynx rufus*), gray foxes (*Urocyon cinereoargenteus*), ring-tailed cats (*Bassariscus astutus*), and mule deer (*Odocoileus hemionus*), require large patches of heterogeneous habitat to forage, seek shelter/refuge, and find mates.

Climate Change Is Likely to Significantly Alter Wildlife Behavior and Movement.

A strong, international scientific consensus has established that human-caused climate change is causing widespread harms to human society and natural systems, and climate change threats are becoming increasingly dangerous. In a 2018 *Special Report on Global Warming of 1.5°C* from the Intergovernmental Panel on Climate Change (IPCC), the leading international scientific body for the assessment of climate change describes the devastating harms that would occur at 2°C warming, highlighting the necessity of limiting warming to 1.5°C to avoid catastrophic impacts to people and life on Earth (IPCC 2018). In addition to warming, many other aspects of global climate are changing. Thousands of studies conducted by researchers around the world have documented changes in surface, atmospheric, and oceanic temperatures; melting glaciers; diminishing snow cover; shrinking sea ice; rising sea levels; ocean acidification; and increasing atmospheric water vapor (USGCRP, 2017).

Climate change is increasing stress on species and ecosystems, causing changes in distribution, phenology, physiology, vital rates, genetics, ecosystem structure and processes, and increasing species extinction risk (Warren et al., 2011). A 2016 analysis found that climate-related local extinctions are already widespread and have occurred in hundreds of species, including almost half of the 976 species surveyed (Wiens 2016). A separate study estimated that nearly half of terrestrial non-flying threatened mammals and nearly one-quarter of threatened birds may have already been negatively impacted by climate change in at least part of their distribution (Pacifici et al. 2017). A 2016 meta-analysis reported that climate change is already impacting 82 percent of key ecological processes that form the foundation of healthy ecosystems and on which humans depend for basic needs (Scheffers et al. 2016). Genes are changing, species' physiology and physical features such as body size are changing, species are moving to try to keep pace with suitable climate space, species are shifting their timing of breeding and migration, and entire ecosystems are under stress (Cahill et al., 2012; Chen et al., 2011; Maclean & Wilson, 2011; Parmesan, 2006; Parmesan & Yohe, 2003; Root et al., 2003; Warren et al., 2011). As such, it is imperative that current and future land use planning consider the impacts of climate change on wildlife movement.

Corridor Redundancy Helps Retain Functional Connectivity and Resilience.

Corridor redundancy (*i.e.* the availability of alternative pathways for movement) is important in regional connectivity plans because it allows for improved functional connectivity and resilience. Compared to a single pathway, multiple connections between habitat patches increase the probability of movement across landscapes by a wider variety of species, and they provide more habitat for low-mobility species while still allowing for their dispersal (Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008). In addition, corridor redundancy provides resilience to uncertainty, impacts of climate change, and extreme events, like flooding or wildfires, by providing alternate escape routes or refugia for animals seeking safety (Cushman et al., 2013; Mcrae et al., 2008; Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008).

Human Development and Associated Noise and Lighting Can Interfere with the Behavior of Local Wildlife Such as Mountain Lions.

Human development and associated noise can degrade adjacent wildlife habitat and behavior. (*See, e.g.,* Slabbekoorn 2008.) For instance, field observations and controlled laboratory experiments have shown that traffic noise can significantly degrade habitat value for migrating songbirds. (Ware et al. 2015.) This finding followed lab results indicating that subjects exposed to 55 and 61 dBA simulated traffic noise exhibited decreased feeding behavior and duration, as well as increased vigilance behavior. (*Id.*) Such behavioral shifts increase the risk of starvation, thus decreasing survival rates. A recent study also highlighted the detrimental impacts of siting development near areas protected for wildlife. The study noted that “Anthropogenic noise 3 and 10 dB above natural sound levels . . . has documented effects on wildlife species richness, abundance, reproductive success, behavior, and physiology.” (Buxton, et al.) The study further noted that “there is evidence of impacts across a wide range of species [] regardless of hearing sensitivity, including direct effects on invertebrates that lack ears and indirect effects on plants and entire ecological communities (e.g., reduced seedling recruitment due to altered behavior of seed distributors).” (*Ibid.*) Moreover, human transportation networks and development resulted in high noise exceedances in protected areas. (*Ibid.*)

There also is strong evidence documenting the effects of human activity specifically on mountain lions. One study found that mountain lions are so fearful of humans and noise generated by humans that they will abandon the carcass of a deer and forgo the feeding opportunity just to avoid humans. (Smith 2017.)³ The study concluded that even “non-consumptive forms of human disturbance may alter the ecological role of large carnivores by affecting the link between these top predators and their prey.” (Smith 2017.) In addition, the study found that mountain lions respond fearfully upon hearing human vocalizations. Another study demonstrates that mountain lions exposed to other evidence of human presence (lighting, vehicles, dogs) will impact mountain lion behavior. (Wilmers 2013.) Other studies documented diet shifts in mountain lions near human development, and recommended minimizing any development in mountain lion habitat. (Smith 2016; *see also* Smith 2015.)

³ *See also* Sean Greene, “How a fear of humans affects the lives of California's mountain lions,” *Los Angeles Times* (June 27, 2017), available at <http://beta.latimes.com/science/sciencenow/la-sci-sn-pumas-human-noise-20170627-story.html>.

Additional studies similarly documented that mountain lions avoid “urban, agricultural areas, and roads and prefer[] riparian areas and more rugged terrain.” (Zeller 2017; *see also* Vickers 2015.) One study found that over half (55 percent) of radio collared mountain lions in urban areas did not survive, and the majority were killed by humans either by vehicle strikes or using depredation permits. (Vickers 2015.) As such, the Plan should include policies to minimize development in open space areas, as “edge effects” from such development can interfere with animal behavior and movement.

Creating and Enhancing Wildlife Crossings Is Critical to Maintaining Healthy Ecosystems.

We recommend that the Draft Plan include stronger policies to promote wildlife movement and/or include a goal to develop a county wildlife connectivity ordinance. Enhanced connectivity helps sustain functional ecosystems and ensure public safety. Although natural, existing corridors in fragmented landscapes have been shown to have more wildlife movement compared to created corridors (Gilbert-Norton et al., 2010), crossing structures combined with setbacks at the entrances and exits are useful as retroactive restoration in areas where existing roads have high incidence of wildlife vehicle conflict or where species movement has been severely impacted. When appropriately implemented, wildlife crossing infrastructure has been shown to improve wildlife permeability and reduce wildlife vehicle collisions (Bissonette & Rosa, 2012; Dodd Jr. et al., 2004; Dodd et al., 2012; Kintsch et al., 2018; Sawaya et al., 2014; Sawyer et al., 2012).

Outside of California many other states and jurisdictions have been proactively addressing wildlife connectivity issues. For example, Arizona, Colorado, and Wyoming have seen 80-96% reductions in wildlife vehicle collisions while gradually increasing the level of wildlife permeability over time (it appears that some species take more time than others to adapt to crossings) on sections of highways where they have implemented wildlife crossing infrastructure, such as underpasses, culverts, overpasses, wildlife fencing, and escape ramps (Dodd et al., 2012; Kintsch et al., 2017; Kintsch et al., 2018; Sawyer et al., 2012). Utah just completed the state’s largest wildlife overpass at Parleys Canyon for moose, elk, and deer. Washington State is about to complete its largest wildlife overpass on I-90, which is anticipated to provide habitat connectivity for a wide variety of species between the North and South Cascade Mountains. The overpass cost \$6.2 million as part of a larger \$900 million expansion project that will include multiple wildlife crossings along a 15-mile stretch of highway. Savings from less hospital bills, damage costs, and road closures from fewer wildlife vehicle collisions will make up those costs in a few years (Valdes 2018). State and local officials are actively pursuing these types of projects because of the benefits for wildlife connectivity, public safety, and the economy. And in neighboring Ventura County, the Board of Supervisors recently adopted a first-of-its-kind ordinance to protect wildlife connectivity.

The Draft Plan Should Provide Clear Action Items To Support Wildlife Connectivity

We are concerned that the action items proposed in the Draft Plan are insufficient to support Goal 5. In particular, lacking from the action items is any clear plan for ensuring habitat connectivity within the region.

Instead, it appears that the County has not prioritized this issue. For instance, the County General Plan EIR anticipated a significant adverse effect on wildlife movement.⁴ The California Department of Fish and Wildlife (“CDFW”) urged the County to develop mitigation opportunities for wildlife connectivity, since such “opportunities for wildlife corridors and nursery sites are best established during large scale planning efforts such as this General Plan.” CDFW noted that “Wildlife corridor areas can be delineated and set aside in the General Plan for current and future conservation efforts. An assessment could be placed on development within the Project area to secure the acquisition of these critical linkages and sites, therefore reducing impacts to wildlife corridors and nursery sites and ensuring biological diversity.”⁵ The County did not implement CDFW’s recommendations.

The Plan should include a goal to develop a wildlife connectivity ordinance. Moreover, while the proposed “actions” to support Goal 5 are all helpful measures, more is needed. The Plan should incorporate policies that support an “urban growth boundary.” Urban growth boundaries have been used in other jurisdictions as a tool to encourage development in or near existing communities while leaving natural areas undeveloped. Without a clearly defined urban growth boundary, developers will continue to propose—and the Board will continue to approve—development in wild and fire-prone areas, which will further inhibit wildlife connectivity while increasing traffic and air pollution.

G. The Center Supports Goals 7 and 8 and Encourages Stronger Policies To Reduce VMT.

We support Goals 7 and Goal 8—a fossil fuel-free LA County with convenient, safe and affordable transportation that reduces car dependency. However, the targets and associated actions do not include sufficiently ambitious goals to reduce vehicle miles travelled (“VMT”). The Draft Plan’s aims for “[a]t least 15% of all trips will be by foot, bike, micromobility, or public transit.” (Draft Plan at 108.) This means that even if this target is met, in six years 85 percent of trips in the County will still be by car. The Draft Plan should call for much stronger measures to reduce single occupancy vehicle trips and VMT. The best way to do this is to limit development in areas far from existing cities that generate high VMT and limit new freeway development, which induces additional VMT.

The December 2018 Technical Advisory issued by the Governor’s Office of Planning and Research (the “VMT Report”)⁶ contains helpful guidance and analysis that could be

⁴ County of Los Angeles, *Los Angeles County General Plan Update Draft Environmental Impact Report* (June 2014), available at http://planning.lacounty.gov/assets/upl/project/gp_2035_deir.pdf.

⁵ County of Los Angeles, *Los Angeles County General Plan Update Final Environmental Impact Report* (March 2015), available at http://planning.lacounty.gov/assets/upl/project/gp_2035_lac-gpu-final-eir-final.pdf.

⁶ The VMT Report is available at http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf.

incorporated into the Draft Plan. For instance, the VMT Report states that land use decisions to reduce GHG emissions associated with the transportation sector are crucial in order to meet the GHG reductions set forth in SB 375. (VMT Report at 3.) The VMT Report further notes that California cannot meet its climate goals without curbing single-occupancy vehicle activity; land use patterns and transportation options will need to change to support reductions in VMT. (*Id.* at 10.) The VMT Report also proposes a “per capita” or “per employee” threshold of 15 percent below existing development as a reasonable threshold. (*Id.* at 10.) The VMT Report reiterates the conclusion of the California Air Resources Board that “there is a gap between what SB 375 can provide and what is needed to meet the State’s 2030 and 2050 goals.” (*Id.*)

The VMT Report confirms that VMT-intensive development impacts human health and the environment: “Human health is impacted as increases in vehicle travel lead to more vehicle crashes, poorer air quality, increases in chronic diseases associated with reduced physical activity, and worse mental health. Increases in vehicle travel also negatively affect other road users, including pedestrians, cyclists, other motorists, and many transit users. The natural environment is impacted as higher VMT leads to more collisions with wildlife and fragments habitat. Additionally, development that leads to more vehicle travel also tends to consume more energy, water, and open space (including farmland and sensitive habitat). This increase in impermeable surfaces raises the flood risk and pollutant transport into waterways.” (VMT Report at 3.) As such, if the County took strong steps to reduce VMT, it would have co-benefits of better air quality, decreased chronic disease, decreased wildlife-vehicle collisions, and less habitat fragmentation.

The VMT Report further states that roadway expansion projects can induce substantial VMT such that the environmental reviews should incorporate quantitative estimates of induced VMT. (VMT Report at 23.) The VMT Report explains that “[b]uilding new roadways, adding roadway capacity in congested areas, or adding roadway capacity to areas where congestion is expected in the future, typically induces additional vehicle travel.” (*Id.* at 24.) The Plan should thus contain policies to discourage unnecessary highway development and instead focus infrastructure resources on alternative transportation projects.

H. Conclusion

Thank you for the opportunity to submit comments on the Draft Plan. Again, the Center strongly supports the goals of the Draft Plan. But if the goals in the plan are not supported by clear and enforceable policies, then the final Plan will be ineffective in achieving these goals.

Los Angeles County’s traffic jams, air pollution, fragmented wildlife habitat, and diminishing wildlands are a legacy of poor planning decisions made by local officials, often made under pressure from profit-driven developers. Unfortunately Los Angeles County and its Board have continued to approve costly, dangerous, and environmentally-damaging development despite (1) strong public opposition and (2) science confirming that such development is inappropriate in light of the climate crisis, extinction crisis, and the risks of building in fire-prone landscapes.

The Center urges the Chief Sustainability Office and Board to use this Plan as a means to establish a new vision for Los Angeles County that supports healthy communities and healthy wildlands. For such a vision to become reality, it must be supported by clear, binding, and legally enforceable policies. As long as such policies are vague or absent, developers will continue proposing—and officials will likely keep approving—projects that take the county in the wrong direction.

Please do not hesitate to contact the Center at the number or email listed below.

Sincerely,



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(Attached on CD)

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Attachment 2

1 Hon. Nancy Case Shaffer
2 Superior Court for the County of Sonoma
3 3035 Cleveland Avenue, Suite 200
4 Santa Rosa, CA 95403
5 Telephone: (707) 521-6729

FILED
SUPERIOR COURT OF CALIFORNIA
COUNTY OF SONOMA

JUL 20 2017

BY

M. Conley
Deputy Clerk

8 SUPERIOR COURT FOR THE STATE OF CALIFORNIA
9 COUNTY OF SONOMA

11 CALIFORNIA RIVERWATCH,

12 Petitioner,

13 v.

14 COUNTY OF SONOMA, ET AL.

15 Defendants.

Case No.: SCV-259242

ORDER GRANTING PETITION
FOR WRIT OF MANDATE

16 This matter was tried to the court on March 23, 2017, the Honorable Nancy Case
17 Shaffer presiding. The Law Office of Jack Silver and Jerry Bernhaut and Jack Silver
18 appeared on behalf of Petitioner; the Office of Sonoma County Counsel and Bruce Goldstein
19 and Verne Ball appeared on behalf of Respondent Sonoma County Regional Climate
20 Protection Authority. At the conclusion of the hearing, the court ordered further briefing.
21 The matter was deemed submitted on April 21, 2017, when all briefs were submitted.

22 I. SUMMARY OF RULING

23 The court finds that the Sonoma County Regional Climate Protection Authority's Final
24 Programmatic EIR ("the PEIR") for Climate Action 2020 and Beyond, its Climate Action
25 plan ("CAP") and the County of Sonoma's approval of the CAP violate CEQA, in that the
26 inventory of greenhouse gas emissions is based on insufficient information; the PEIR fails to
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1 include effectively enforceable, clearly defined performance standards for the mitigation
2 measures regarding Green House Gas ("GHG") emissions, identified as "GHG Reduction
3 Measures;" and fails to develop and fully analyze a reasonable range of alternatives.

4 Accordingly, the approval of the PEIR was a prejudicial abuse of discretion by
5 Respondent. Given the lack of information and other material defects, as a matter of law the
6 PEIR cannot fulfill its basic CEQA purpose as an information document.

7 The court finds that there is insufficient information in the administrative record to
8 support the factual conclusion that the CAP will achieve its fundamental purpose of reducing
9 Respondent's countywide GHG emissions to the stated target of 25% below 1990 levels by
10 2020.

11 I. FACTS

12 Petitioner seeks a writ of mandate overturning Respondent's certification and of a
13 Final Programmatic EIR (the PEIR) for its Climate Action Aplan (CAP) and the approval of
14 the CAP on the grounds that the approvals violate CEQA.

15 A. The Project

16 The CAP Project is a planning-level document to guide analysis of the greenhouse gas
17 (GHG) impacts of future projects in the county.

18 In 2006, the California legislature passed AB 32, the Global Warming Solutions Act
19 (the Act) which, among other things, establishes a statewide goal of achieving 1990-level
20 GHG impacts by 2020.

21 CEQA Guideline 15183.5 allows agencies to adopt an overall long-range plan such as
22 a general plan or similar plan governing GHG analysis of subsequent projects. Respondent
23 adopted the CAP in accord with Guideline 15183.5 as a method of providing an overall *tiered*
24 *analysis* of GHG impacts in subsequent projects as a method of complying with the Act's
25 mandate. (1 AR 4, 10.)
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B. The Petition for Writ of Mandamus

Petitioner argues that the EIR fails to provide an accurate description of the existing conditions or a means for calculating GHG emissions; that the PEIR contains inadequate mitigation measures, alternatives analysis, or response to public comments.

Respondent opposes the petition, contending that Petitioner relies on non-existent requirements in 15183.5; that Petitioner fails to discuss the substantial evidence in the record, that the EIR sufficiently discusses existing conditions; that the PEIR properly discloses methodology; that the CAP is not a mitigation measure and does not need to contain mitigation measures; that substantial evidence supports the CAP emissions reduction estimates; that the alternatives analysis complies with CEQA; that Petitioner failed to exhaust administrative remedies on the responses to comments; and that Petitioner has demonstrated no prejudicial error.

II. ANALYSIS

A. Request for Judicial Notice

The court grants, in full, Respondents' request to take judicial notice of certain government and regulatory documents, including a statement from the Natural Resources Agency on amendments to the Guidelines regarding GHG emissions; the California Air Resources Board ("CARB") Climate Change Scoping Plan; the CARB draft 2030 Target Scoping Plan Update; the County of Napa CAP; Guideline 15183.5, AB32, and SB 97; and the lodgment of the record in this case.

B. CEQA

An EIR is required for a project which substantial evidence indicates may have a significant effect on the environment. (Guidelines for the Implementation of CEQA (Guidelines), 14 CCR section 15063(b)¹; PRC sections 21100, 21151.) EIRs are, in the words

¹These are at 14 Cal Code Regs §§ 15000, *et seq.* Courts should at a minimum afford great weight to the Guidelines except when a section is clearly unauthorized or erroneous under CEQA. *Laurel Heights Improvement Ass'n v. Regents of Univ. of Cal. (Laurel Heights I)* (1988) 47 Cal.3d 376, 391, fn 2; *Sierra Club v. County of Sonoma* (1992) 6 Cal.App.4th 1307, 1315.

1 of the California Supreme Court, “the heart of CEQA.” *Laurel Heights Improvement Assn. v.*
2 *Regents of the University of California* (1988) 47 Cal.3d 376, 392 (*Laurel Heights I*).

3 The ultimate mandate of CEQA is “to provide public agencies and the public in
4 general with *detailed information* about the effect [of] a proposed project” and to minimize
5 those effects and choose possible alternatives. (emphasis added) (PRC 21061.) The public
6 and public participation hold a “privileged position” in the CEQA process based on
7 fundamental “notions of democratic decision-making.” (*Concerned Citizens of Costa Mesa,*
8 *Inc. v. 32nd District Agricultural Association* (1986) 42 Cal.3d 929, 936.)

9 As a fundamental benchmark that generally applies to all issues in CEQA the court, is
10 that the court, in considering an issue, should look to see if “the public could discern... the
11 ‘analytic route the... agency traveled from evidence to action.’” (See *Al Larson Boat Shop*
12 *Inc. v. Bd. of Harbor Commissioners* (1993) 18 Cal.App.4th 729, 749; see also *Topanga Assn.*
13 *for a Scenic Community v. County of Los Angeles* (1974) 11 Cal.3d 506, 513-514, 522.)

14 The burden of investigation rests with the government and not the public. (*Lighthouse*
15 *Field Beach Rescue v. City of Santa Cruz* (2005) 131 Cal.App.4th 1170, 1202.)

16 **C. Standard of review**

17 **1. Preliminary Basis for Standard of Review**

18 The standard of review is in dispute here. This dispute arises out of the divergent
19 characterizations of the issues by the parties.

20 Public Resources Code section 21168 provides that when a court reviews a
21 determination, finding, or decision of a public agency, "as a result of a proceeding in which
22 by law a hearing is required to be given, evidence is required to be taken and discretion in the
23 determination of facts is vested in a public agency ... the court shall not exercise its
24 independent judgment on the evidence but shall only determine whether the act or decision is
25 supported by substantial evidence in the light of the whole record." However, review is *de*
26 *novo* when the court must determine whether the agency has prejudicially abused its
27 discretion either by failing to proceed in the manner required by law or by reaching a decision
28 that is not supported by substantial evidence. (*Laurel Heights I, supra* 47 Cal.3d 392, fn.5.)

1 “[A] reviewing court must adjust its scrutiny to the nature of the alleged defect, depending on
2 whether the claim is predominantly one of improper procedure or a dispute over the facts.”
3 *Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova* (2007) 40
4 Cal.4th 412, 435 (“*Vineyard*”).

5 As the court explained in *Vineyard*:

6 [A]n agency may abuse its discretion under CEQA either by failing to proceed in the
7 manner CEQA provides or by reaching factual conclusions unsupported by substantial
8 evidence. (§21168.5.) Judicial review of these two types of error differs significantly:
9 while we determine de novo whether the agency has employed the correct procedures,
10 “scrupulously enforc[ing] all legislatively mandated CEQA requirements” (*Citizens of*
11 *Goleta Valley v. Board of Supervisors* (1990) 52 Cal.3d 553, 564...), we accord greater
12 deference to the agency's substantive factual conclusions. In reviewing for substantial
13 evidence, the reviewing court “may not set aside an agency's approval of an EIR on
14 the ground that an opposite conclusion would have been equally or more reasonable,”
15 for, on factual questions, our task “is not to weigh conflicting evidence and determine
16 who has the better argument.”(*Laurel Heights I, supra*, 47 Cal.3d at p. 393....)²

17 While courts must give deference as to substantive factual decisions, courts demand
18 strict compliance with “legislatively mandated CEQA requirements.” (*Citizens of Goleta*
19 *Valley v. Bd. of Supervisors* (1990) 52 Cal.3d 553, 564 (*Goleta II*)). A Respondent is entitled
20 to no deference where the law has been misapplied, or where the decision was based on “an
21 erroneous legal standard.” (*East Peninsula Educ. Council, Inc. v. East Peninsula Unif. Sch.*
22 *Dist.* (1989) 210 Cal.App.3d 155, 165.)

23 Courts must ‘determine de novo whether the agency has employed the correct
24 procedures, “scrupulously enforc[ing] all legislatively mandated CEQA requirements”....’
25 (*Vineyard Area Citizens for Responsible Growth, supra*, 40 Cal.4th 435, citing *Goleta II*, 52
26 Cal.3d at 564.) *Failure to include required information is a failure to proceed in the manner*
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² *Laurel Heights I* is *Laurel Heights Improvement Assn. v. Regents of University of California* (1988) 47 Cal.3d 376, 400 (*Laurel Heights I*

1 required by law and demands strict scrutiny. (*Sierra Club v. State Bd. of Forestry* (1994) 7
2 Cal.4th 1215, 1236; *Vineyard, supra*, 40 Cal.4th at 435.) The court reviews the PEIR here de
3 novo.

4 Nevertheless, agency actions are presumed to comply with applicable law unless the
5 petitioner presents proof to the contrary. (Evid. Code § 664; *Foster v. Civil Service*
6 *Commission of Los Angeles County* (1983) 142 Cal.App.3d 444, 453.) The petitioner in a
7 CEQA action thus has the burden of proving that an EIR is insufficient. (*Al Larson Boat*
8 *Shop, Inc. v. Board of Harbor Commissioners* (1993) 18 Cal.App.4th 729, 740.)

9 2. Standard of Review: Substantial-Evidence Test

10 The substantial-evidence test applies to substantive issues in a decision certifying an
11 EIR. The court must uphold the decision if it is supported by substantial evidence in the
12 record as a whole. (*Bowman v. City of Petaluma* (1986) 185 Cal.App.3d 1065, 1075; see
13 *River Valley Preservation Project v. Metropolitan Transit Dev. Bd.* (1995) 37 Cal.App.4th
14 154, 166; see *Santa Teresa Citizen Action Group v. City of San Jose* (2003) 114 Cal.App.4th
15 689, 703. The “substantial evidence” test requires the court to determine “whether the act or
16 decision is supported by substantial evidence in the light of the whole record.” (*Chaparral*
17 *Greens v. City of Chula Vista* (1996) 50 Cal.App.4th 1134, 1143; *River Valley Preservation*
18 *Project v. Metropolitan Transit Develop. Bd.* (1995) 37 Cal.App.4th 154, 168.)

19 When applying the substantial-evidence standard, the court must focus not upon the
20 “correctness” of a report’s environmental conclusions, but only upon its “sufficiency as an
21 informative document.” (*Laurel Heights I* 47 Cal.3d at 393.) The findings of an administrative
22 agency are presumed to be supported by substantial evidence. (*Taylor Bus. Service, Inc. v.*
23 *San Diego Bd. of Education* (1987) 195 Cal.App.3d 1331.) The court must resolve reasonable
24 doubts in favor of the findings and decision. (*Id.*)

25 A claim that the EIR lacks *sufficient* information regarding an issue will be treated as
26 an argument that the EIR is not supported by substantial evidence. (*Barthelemy v. Chino*
27 *Basin Munic. Water Dist.* (1995) 38 Cal.App.4th 1609, 1620.) The petitioners in *Barthelemy*
28

1 asserted that it was a failure to proceed in the manner required by law where an EIR did not
2 include key information. The court rejected that argument.

3 **a) The Definition of “Substantial Evidence”**

4 Substantial evidence is “enough relevant information and reasonable inferences” to
5 allow a “fair argument” supporting a conclusion, in light of the whole record before the lead
6 agency. (14 CCR § 15384(a); PRC §21082.2; *City of Pasadena v. State of California* (2nd
7 Dist.1993) 14 Cal.App.4th 810, 821-822.) Other decisions define “substantial evidence” as
8 that with “ponderable legal significance,” reasonable in nature, credible, and of solid value.
9 (*Stanislaus Audubon Society, Inc., v. County of Stanislaus* (1995) 33 Cal.App.4th 144.)

10 Substantial evidence includes facts, reasonable assumptions predicated upon facts,
11 and expert opinion supported by facts. (PRC §21082.2(c); see also Guidelines 15064(g)(5),
12 15384.) It does not include argument, speculation, unsubstantiated opinion or narrative,
13 clearly incorrect evidence, or social or economic impacts not related to an environmental
14 impact. (Guideline 15384.)

15 **3. Prejudicial Abuse of Discretion**

16 A court may only issue a writ in a CEQA case for an abuse of discretion, including
17 making a finding without substantial evidence, if the error was *prejudicial*. (*Chaparral*
18 *Greens v. City of Chula Vista* (1996) 50 Cal.App.4th 1134, 1143.) The court must defer to the
19 agency’s substantive conclusions and uphold the determination unless. ((Id); see PRC §
20 21168, 21168.5, *Laurel Heights I, supra*, 47 Cal.3d at 392, fn.5; Remy, et al., Guide to the
21 California Environmental Quality Act (10th Ed.1999) Chapter XI (D), p.590.)

22 **4. Tiered EIRs**

23 As discussed further below, the PEIR here is a tiered EIR prepared in accordance with
24 Guideline 15183.5, which specifically allows for preparation of an overall, first-tier EIR and
25 planning document to govern analysis of GHG emissions and control GHG emissions in order
26 to comply with the statewide mandates to reduce GHG emissions.

27 A tiered EIR scheme allows an agency to produce a general EIR focusing on an
28 overall plan or policy and later conduct more limited, narrow subsequent EIR review for

1 individual projects within the broad plan or scope of the original, general EIR. (PRC 21068.5,
2 21093(a); Guideline 15152; *Koster v. County of San Joaquin* (1996) 47 Cal.App.4th 29, 36.)

3 “Tiering” is defined in PRC 21068.5 as:

4 coverage of general matters and environmental effects in an [EIR] prepared for a
5 policy, plan, program or ordinance followed by narrower or site-specific [EIRs] which
6 incorporate by reference the discussion in any prior [EIR] and which concentrate on
7 the... effects which (a) are capable of being mitigated, or (b) were not analyzed... in
8 the prior [EIR].

9 In other words, it is ‘a process by which agencies can adopt programs, plans, policies, or
10 ordinances with EIRs focusing on “the big picture” and can use streamlined CEQA review for
11 individual projects that are consistent with such... [first tier plans]....’ (*Koster v. County of*
12 *San Joaquin* (3d Dist. 1996) 47 Cal.App. 4th 29, 36.) The later EIRs need not repeat the
13 analysis or revisit the issues from the original EIR. (Guideline 15385.)

14 Guideline 15152 is the overall provision governing first-tier documents in general and
15 in its detailed discussion demonstrates clearly what such documents must do, what they must
16 include, and how they may be used.ⁱ Environmental impact reports “shall be tiered whenever
17 feasible, as determined by the lead agency.” (PRC 21093(b).) This “is needed in order to
18 provide increased efficiency in the CEQA Process. It allows agencies to deal with broad
19 environmental issues in EIRs at planning stage and then to provide more detailed examination
20 of specific effects....These later EIRs are excused by the tiering concept from repeating the
21 analysis of the broad environmental issues examined in the [first tier] EIRs.” (Discussion
22 following Guideline 15385.)

23 PRC 21094(c) states that “[f]or purposes of compliance with this section, an initial
24 study shall be prepared to assist the lead agency in making the determinations required by this
25 section.”

26 **C. GREENHOUSE GAS EMISSIONS**

27 The Global Warming Solutions Act (“the Act”) ‘implements deep reductions in
28 greenhouse gas emissions, recognizing that “[g]lobal warming poses a serious threat to the

1 economic well-being, public health, natural resources, and the environment of California...”
2 (Health & Saf.Code, § 38501, subd. (a).) Through this enactment, the Legislature has
3 expressly acknowledged that greenhouse gases have a significant environmental effect.’
4 (*Communities for a Better Environment v. City of Richmond* (2010) 184 Cal.App.4th 70, 91
5 (*CEB*).) Guideline 15183.5 governs tiering and streamlining the analysis of GHG
6 emissions.ⁱⁱ Subdivision (b) sets forth the specific things such a plan should do.

7 **1. The Role of the CAP in Subsequent GHG Analysis**

8 A key issue is the ultimate role this CAP will play in subsequent GHG analysis of
9 future projects. Here neither party clearly addresses the intended role and effect of the CAP
10 in the review of subsequent projects.

11 The CAP at 1013-1016 generally indicates that the CAP is intended to eliminate any
12 need to conduct any GHG analysis in future discretionary projects that comply with the CAP.
13 Specifically, the introduction to the checklist of standards and measures, states that:

14 Discretionary projects that utilize the checklist, as modified by the individual agency,
15 and can demonstrate consistency with all applicable mandatory local or regional
16 measures in the CAP, can conclude that their impacts related to [GHG] emissions
17 would be less than significant under CEQA because the project would be consistent
18 with a qualified GHG reduction plan under... Guidelines Section 15183.5.

19 The introduction then quotes 15183.5(b) and (b)(2) in part as follows:

20 (b) Pursuant to sections 15064(h)(3) and 15130(d), a lead agency may determine that a
21 project's incremental contribution to a cumulative effect is not cumulatively
22 considerable if the project complies with the requirements in a previously adopted
23 plan or mitigation program under specified circumstances.

24 ...

25 (b)(2) A plan for the reduction of greenhouse gas emissions, once adopted following
26 certification of an EIR or adoption of an environmental document, may be used in the
27 cumulative impacts analysis of later projects. An environmental document that relies
28 on a greenhouse gas reduction plan for a cumulative impacts analysis must identify

1 those requirements specified in the plan that apply to the project, and, if those
2 requirements are not otherwise binding and enforceable, incorporate those
3 requirements as mitigation measures applicable to the project.

4 It reiterates that the ‘significance threshold for projects using the checklist for streamlining is
5 “consistency with an applicable plan for the reduction of [GHG] emissions meeting the
6 requirements of...15183.5” ’ All of this indicates an intent that a future project complying
7 with this CAP and its standards and measures need include no independent GHG analysis.

8 **2. Respondent’s Contention That Petitioner Imposes Non-Existent Requirements**

9 Respondent argues, that Petitioner is improperly trying to impose requirements on the
10 CAP that do not exist in Guideline 15183.5. This argument is expressly stated at the start of
11 its brief and is repeated throughout its papers. This argument is itself groundless; it is
12 contrary to the fundamental purpose of CEQA requirements.

13 First, Respondent contends that the Guideline merely gives a list of what such a plan
14 “should” do; not what it “must” do. Although the Guideline does only state what such a plan
15 “should” include, (see end note ii, Guideline 15183.5), it expressly states that it is a tiering
16 mechanism and that it must comply with the standards for first-tier programs or plan EIRs. It
17 is titled “Tiering and Streamlining the Analysis of Greenhouse Gas Emissions.” (Emphasis
18 added.) It begins by explaining that agencies may develop a GHG plan or standards in a plan
19 using a tiering method, governed by the standards for tiering. It states that agencies *may*
20 handle GHG analysis:

21 at a *programmatic* [i.e., first-tier] level, such as in a general plan, a long range
22 development plan, or a separate plan to reduce greenhouse gas emissions. *Later*
23 project-specific environmental documents *may tier from* and/or incorporate by
24 reference that existing programmatic review. Project-specific environmental
25 documents *may* rely on an EIR containing a programmatic analysis of greenhouse gas
26 emissions as provided in *section 15152 (tiering), 15167 (staged EIRs) 15168*
27 *(program EIRs), 15175-15179.5 (Master EIRs), 15182 (EIRs Prepared for Specific*
28 *Plans), and 15183 (EIRs Prepared for General Plans, Community Plans, or Zoning).*

1 (emphasis added.)

2 As noted above, the CAP also makes it clear that, as a first-tier document, it is to be
3 used in such a manner that, if complied with, will excuse the analysis of a future project from
4 revisiting GHG emissions. Therefore, the CAP, and any such plan prepared under 15183.5,
5 must meet the requirements for all first-tier documents and thus must impose effectively
6 enforceable requirements and measures with defied performance standards.

7 Second, although Respondent is correct that the requirements on which Petitioner
8 relies are not necessarily in the Guideline itself, they are applicable to *all* CEQA review and,
9 specifically, to first-tier documents, as explained above. Petitioner's further arguments, such
10 as that the CAP must provide a clear, complete, and accurate GHG "inventory," i.e., the
11 existing GHG emissions associated with activities in the county, are consistent with a
12 standard CEQA mandate, which is that an environmental document must present clear,
13 meaningful information sufficient to allow the agency and public to make an intelligent,
14 informed decision, or, stated another way, sufficient to make clear the analytic route of the
15 agency. (*Concerned Citizens of Costa Mesa, Inc. v. 32nd District Agricultural Association*
16 (1986) 42 Cal.3d 929, 936; *Al Larson Boat Shop Inc. v. Bd. of Harbor Commissioners,*
17 *supra*, 18 Cal.App.4th at 749; *Topanga Assn. for a Scenic Community v. County of Los*
18 *Angeles* (1974) 11 Cal.3d 506, 513-514, 522. Therefore, it must be based on substantial
19 evidence. (See section C.2., above.)
20

21 **3. Existing Conditions**

22 Petitioner first argues that the PEIR fails to describe existing conditions accurately
23 because it limits the range of emissions from vehicles miles traveled (VMT) associated with
24 land-use activities in the county and to and from 18 nearby regional locations. Petitioner
25 contends that the baseline or current GHG emissions level associated with the county should
26 include all VMT for trips associated with activities in the county, not only within the county
27 and to and from the 18 nearby regional locations used in the PEIR and that Respondent thus
28 understates the current GHG emissions. Respondent focuses on two general categories of
VMT omitted from the PEIR: VMTs generated by goods exported from the county to

1 locations beyond (produce, medical equipment, beer, and wine) , and tourist travel to Sonoma
2 County.

3 **a) CEQA Baselines and Quantifying Current GHG Levels**

4 Ordinarily, an EIR must clearly and consistently describe the baseline, which is
5 *normally* the *existing* environmental setting or conditions. The existing conditions, at the time
6 the notice of preparation ("NOP") is published, "normally constitute the baseline physical
7 conditions by which the lead agency determines whether an impact is significant." (Guideline
8 15125(a).) Guideline 15126.2(a) states that the agency "should normally limit its examination
9 to changes in the existing physical conditions in the affected area as they exist at the
10 time...environmental analysis is commenced."

11 Guideline 15183.5(b)(1)(A) sets forth special requirements for GHG first-tier plans
12 such as the CAP. Such plans are required to "[q]uantify greenhouse gas emissions, both
13 existing and projected over a specified time period, resulting from activities within a defined
14 geographic area."

15 Respondent notes that the ordinary requirements governing determination of the
16 "baseline" apply where there is a project that may alter this in of itself in order to determine
17 the extent of any impact which a project will have. (See Guideline 15126.2(a).)

18 **b) VMT Data**

19 The CAP explanation of how it determined the GHG inventory is found at AR 1050,
20 et seq. It used 2010 data because that year includes largely complete or complete activity data
21 for all sectors as needed to calculate GHG levels; this is not challenged by Petitioner. (See
22 AR 1052; Memorandum of Points and Authorities in Support of Petition for Writ of Mandate,
23 9:1-3.) The response to comment at AR 1084 explains that the VMTs were determined by
24 considering the travel in the county plus travel between the county and 18 external "traffic
25 analysis zones" ("TAZ").

26 Respondent relies on Guideline 15130(b) which provides that studies of cumulative
27 impacts are guided by "standards of practicality and reasonableness." According to Guideline
28 15364, "Feasible" means capable of being accomplished in a successful manner within a

1 reasonable period of time, taking into account economic, environmental, legal, social, and
2 technological factors.’ Thus, “[a]n evaluation of the environmental effects of a proposed
3 project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in the light of
4 what is reasonably feasible The courts have looked not for perfection but for adequacy,
5 completeness, and a good faith effort at full disclosure.” (Guideline 15151; see also *Citizens*
6 *to Preserve the Ojai v. County of Ventura, supra*, 176 Cal.App.3d at 429.) Petitioner argues
7 that an agency is “not required to engage in sheer speculation as to future environmental
8 consequences [Citations], [but an] EIR [is] required to set forth and explain the basis for any
9 conclusion that analysis of the cumulative impact of offshore emissions [is] wholly infeasible
10 and speculative.” (*Citizens to Preserve the Ojai, supra*, 176 Cal.App.3d at 430.)

11 Respondent correctly argues that ultimately GHG emissions must be considered in
12 light of their cumulative worldwide impact because of their nature. The Supreme Court in
13 *Center for Biological Diversity v. California Dept. of Fish and Wildlife* (2015) 62 Cal.4th 204,
14 at 219-220, considered a challenge to an agency’s GHG analysis. The Court explained:

15 [W]e address two related aspects of the greenhouse gas problem that inform our
16 discussion of CEQA significance.

17 First, because of the global scale of climate change, *any one project's contribution is*
18 *unlikely to be significant by itself. The challenge for CEQA purposes is to determine*
19 *whether the impact of the project's emissions of greenhouse gases is cumulatively*
20 *considerable*, in the sense that “the incremental effects of [the] individual project are
21 considerable when viewed in connection with the effects of past projects, the effects of
22 other current projects, and the effects of probable future projects.” (§ 21083, subd.
23 (b)(2); see Guidelines, § 15064, subd. (h)(1).) “With respect to climate change, an
24 individual project’s emissions will most likely not have any appreciable impact on the
25 global problem by themselves, but they will contribute to the significant cumulative
26 impact caused by greenhouse gas emissions from other sources around the globe. *The*
27 *question therefore becomes whether the project's incremental addition of greenhouse*
28 *gases is ‘cumulatively considerable’ in light of the global problem, and thus*

1 significant.” (Crockett, Addressing the Significance of Greenhouse Gas Emissions
2 Under CEQA: California's Search for Regulatory Certainty in an Uncertain World
3 (July 2011) 4 Golden Gate U. Env'tl. L.J. 203, 207–208 (hereafter Addressing the
4 Significance of Greenhouse Gas Emissions).)

5 Second, the global scope of climate change and the fact that carbon dioxide and other
6 greenhouse gases, once released into the atmosphere, are not contained in the local
7 area of their emission means that *the impacts to be evaluated are also global rather*
8 *than local. For many air pollutants, the significance of their environmental impact*
9 *may depend greatly on where they are emitted; for greenhouse gases, it does not.* For
10 projects, like the present residential and commercial development, which are designed
11 to accommodate long term growth in California's population and economic activity,
12 this fact gives rise to an argument that a certain amount of greenhouse gas emissions is
13 as inevitable as population growth. Under this view, a significance criterion framed in
14 terms of efficiency is superior to a simple numerical threshold because CEQA is not
15 intended as a population control measure.

16 (emphasis added.)

17 Consistent with the Supreme Court’s discussion in that case, the EIR here expressly
18 discusses the global nature of GHG emissions, explaining that “unlike other resource areas
19 that are primarily concerned with localized project impacts... the global nature of climate
20 change requires a broader analytic approach. Although this section focuses on GHG
21 emissions generated as a result of the CAP, the analysis considered them in the context of
22 potential state, national, and global GHG impacts.” (AR 314.) It also noted global GHG
23 concentrations. (AR 81, 106, 316.)

24 The PEIR analysis considered VMT for the county and the 18 TAZs in the region, and
25 only for automobile traffic and “emissions that local governments have primary influence or
26 control over.” (AR 85.) It did not consider travel by other means such as by airplane or
27 emissions over which the local entities have no direct control. (AR 85.) The PEIR explained
28

1 at AR 82 and 85 that it was relying on the International Council for Local Environmental
2 Initiatives (ICLEI) Protocol and that:

3 the ICLEI Community Protocol does not require air travel emissions to be included in
4 the basic emissions necessary for protocol-compliance GHG inventories because it
5 recognizes that local governments have less control over such sources as air travel and
6 that information is often not available to precisely describe an airport's emissions to a
7 specific community.

8 Similarly, it noted that methodologies exist to estimate emissions further afield but associated
9 with local activities but rejected these methodologies because the information might be
10 difficult to obtain or are not "common" approaches. (AR 85-86.) For example, the response
11 to the comment at AR 85-86 stated:

12 [w]hile there are methodologies to estimate upstream emissions..., these
13 methodologies are commonly used to prepare what is known as a "consumption-
14 based" inventory, which estimate the life cycle "carbon footprint" of everything
15 households (and...other consumers) consume. There are also methodologies to
16 estimate "downstream" emissions associated with the transportation, end use, and
17 disposal of goods produced in a jurisdiction, but such methodologies require highly
18 detailed information about the entire downstream supply chain, including the ultimate
19 geographical destination of goods that can be difficult to come by, especially if such
20 data is privately held. While one could estimate emissions using a consumption-based
21 approach of a "downstream" emissions method, these are not the common approach
22 used for community emissions, or national emissions at present, and if used, would
23 make it impossible to compare regional inventories.

24 As a result, the response contends, "nearly every" national, state, and local agency preparing a
25 CAP has used the "activity-based" approach to calculate and define the GHG inventories.
26 (AR 86.) Respondent asserts that by avoiding the methodologies which include upstream or
27 downstream data, and instead using the ICLEI Protocol, the CAP inventory "can be compared
28 to those other communities, using a common standard..." (Ibid.)

1 The question before the court is whether there is information in the record showing
2 that Respondent might or might not feasibly have included the additional data as Petitioner
3 contends, or whether Respondent did not need to include it.

4 Respondent's primary argument that it did not need to include additional emissions
5 estimates is based on its assertion that CEQA only requires an agency to do what is feasible,
6 and further that it need not, and should not, engage in speculation over data that is
7 unknowable. The basic that a public agency is only required to do what is feasible, discussed
8 above, is correct, but Respondent has not persuasively shown that it defeats Petitioner's
9 arguments regarding the need for more information about MVT. The response to comments
10 at AR 84-86 expressly admits that there are methodologies to quantify the additional sources
11 of GHG emissions Petitioner identifies, but did not use them because they are not
12 "commonly" used or the information "can be difficult to come by." This argument does not
13 establish that Respondent had substantial evidence to support its approval.

14 The record, including the admissions in the PEIR shows that Respondent had a
15 feasible ability to include the additional GHG data. Respondent compares the data used in
16 this CAP to that used by other agencies. (AR 86; generally AR 84-86.) This is a logical
17 explanation for employing the ICLEI Protocol used, but it does not demonstrate that it was
18 "infeasible" to obtain the additional MVT data, especially given that Respondent
19 acknowledges that the methodologies exist.

20 Had the EIR explained that it was unable to obtain the necessary information, or that
21 there were no methodologies that it could have used to obtain/include it, Respondent's would
22 have been justified in failing to obtain this data. However, here, Petitioner complains that
23 Respondent appears merely to have avoided including greater, more complete, information
24 based on the assumption that it would be "too much work."

25 The court grants the petition on this point.

26
27 **D. MITIGATION MEASURES**

28 Petitioner also argues that Respondent failed to adopt "definite, clearly defined and enforceable" mitigations measures. It contends that at least some of the mitigation measures

1 and standards it sets forth are unclear, vague, and not fully enforceable. Petitioner points out
2 that the EIR concludes that the CAP would be “beneficial” and would thus support applicable
3 regulatory plans for reducing GHG emissions, so, it contends, no mitigation for GHG
4 emissions is necessary. (AR 204.)

5 Respondent argues that the CAP is not intended as a mitigation measure. No
6 mitigation is needed because it is a plan to reduce GHG emissions in subsequent projects.

7 What Petitioner contends is not that the CAP and EIR need to adopt mitigation
8 measures for the CAP itself, but instead that the CAP, in setting forth purported mitigation
9 measures for future analysis and handling of GHG emissions, fails to present sufficient clearly
10 defined and enforceable mitigation measures and standards.

11 Respondent points out this is not a “project” in the sense of an activity that will do
12 anything that might create GHG emissions but instead is a plan for handling analysis and
13 mitigation of GHG emissions in future projects. Therefore, there is clearly nothing about this
14 Project to mitigate. Petitioner's contention that the PEIR should imposing sufficiently defined
15 and enforceable mitigations measures, is a different issue.

16 Guideline 15183.5(b)(1)(D) and (E) are instructive. Subdivision (D) states that the
17 plan should “[s]pecify measures or a group of measures, including performance standards,
18 that substantial evidence demonstrates, if implemented on a project-by-project basis, would
19 collectively achieve the specified emissions level. Subdivision (E) states that the plan should
20 “[e]stablish a mechanism to monitor the plan's progress toward achieving the level and to
21 require amendment if the plan is not achieving specified levels.” (Emphasis added.)
22

23 **1. Role and Purpose of Mitigation Measures in CEQA**

24 Mitigation measures are needed, even required, where a project may have a significant
25 impact and the purpose of the measures is to reduce any impact to less than significant. (PRC
26 21003.1(b); Guideline 15002(a)(3).)

27 **2. Deferral of Mitigation**

28 In general, it is improper for an agency to rely on *deferred* mitigation. (*Sundstrom v.*
County of Mendocino (1988) 202 Cal.App.3d 296, 306; *Defend the Bay v. City of Irvine*

1 (2004) 119 Cal.App.4th 1261, 1275-1276.) An agency cannot find a significant impact to be
2 mitigated to a less-than-significant level based on a deferred mitigation measure. (*Sundstrom*
3 *v. County of Mendocino, supra*, 202 Cal.App.3d at 306. It is a violation of CEQA when an
4 agency “simply requires a project applicant to obtain a biological report and then comply with
5 any recommendations that may be made in the report. [Citation.]” (*Defend the Bay v. City of*
6 *Irvine* (2004) 119 Cal.App.4th 1261, 1275; see also *Endangered Habitats League, Inc. v.*
7 *County of Orange* (2005) 131 Cal.App.4th 777, 793.)

8 “Deferral of the specifics of mitigation is permissible where the local entity commits
9 itself to mitigation and lists the alternatives to be considered, analyzed and possibly
10 incorporated in the mitigation plan.” (*Defend the Bay v. City of Irvine* (2004) 119 Cal.App.4th
11 1261, 1275-1276; see also *Sacramento Old City Assn. v. City Council* (1991) 229 Cal.App.3d
12 1011, 1028-1030.) This applies where “mitigation is known to be feasible, but where the
13 practical considerations prohibit devising such measures early,” so that “[w]here future action
14 to carry a project forward is contingent on devising means to satisfy such criteria, the agency
15 should be able to rely on its commitment as evidence that significant impacts will in fact be
16 mitigated.” (*Sacramento Old City Assn., supra*, 229 Cal.App.3d at 1028-1029.)

17 Because of the nature of first-tier tier EIRs, in particular, deferral of the specifics of
18 mitigation measures, as long as they contain clear performance standards, is particularly
19 appropriate and logical. (See, e.g., *Rio Vista Farm Bureau Center v. County of Solano* (1st
20 Dist.1992) 5 Cal.App.4th 351 (“*Rio Vista Farm Bureau*”); *Al Larson Boat Shop Inc. v. Bd. of*
21 *Harbor Commissioners, supra*, 18 Cal.App.4th 729.) In *Rio Vista Farm Bureau*, a first-tier
22 “program EIR” serving as “primary planning document for hazardous waste management in
23 the county” was found to contain sufficient mitigation measures adopted as policies to guide
24 subsequent projects. The court rejected a challenge based on the assertion that the mitigation
25 measures were “vague, inconclusive, and even inconsistent,” finding the measures sufficient
26 “given the broad, nebulous scope of the project under evaluation.” (*Rio Vista Farm Bureau,*
27 *supra*, 5 Cal.App.4th at 376.) The court found that the specificity of mitigation measures
28

1 should be proportionate to the specificity of the underlying project, which in that case was a
2 broad planning document to guide later site-specific projects.

3 The court in *Coastal Hills Rural Preservation v. County of Sonoma* (2016) 2
4 Cal.App.5th 1234, 1258, upholding the trial court’s order denying a CEQA petition for writ of
5 mandate, explained that although “CEQA usually requires mitigation measures to be defined
6 in advance” and not deferred, “deferral [of mitigation measures] is permitted if, in addition to
7 demonstrating some need for deferral, the agency (1) commits itself to mitigation; and (2)
8 spells out, in its environmental impact report, the possible mitigation options that would meet
9 “specific performance criteria” contained in the report.”

10 In *Sundstrom, supra*, the county required future hydrological studies as conditions of a
11 use permit and required that any mitigation measures that the study suggested would become
12 mandatory. This was held to be improper because the impacts and mitigation measures were
13 not determined.

14 The court in *Gentry v. City of Murrieta* (1995) 36 Cal.App.4th 1359 found an Negative
15 Declaration defective because it improperly relied on deferred formulation of specific
16 mitigation measures. There, the city required the applicant to comply with any existing
17 ordinance protecting the Stephens’ kangaroo rat and allowed the city to require a biological
18 report on the rat and compliance with any recommendations in the report. The court found
19 this to be insufficient because it, like the approval in *Sundstrom*, was based on compliance
20 with a report that had not yet even been performed.

21 By contrast, the court in *Schaeffer Land Trust v. San Jose City Council* (1989) 215
22 Cal.App.3d 612, upheld an Negative Declaration for a general plan amendment for a parcel of
23 land which, regarding traffic issues, required any future development to comply with
24 applicable “level of service” standards. Unlike the other cases mentioned above, here the
25 mitigation measures were delayed because the development and impacts were not concrete,
26 but the mitigation was fixed to set standards which, by definition, ensured that there would be
27 no significant impact. Mitigation with deferred specifics was found to satisfy CEQA where
28 the lead agency had committed to mitigation meeting a specified range of criteria and project

1 approval required the developer to obtain permits and adopt seven itemized measures in
2 coordination and consultation with relevant agencies. *Defend the Bay, supra*, 1276.

3 In *Endangered Habitats League, Inc. v. County of Orange* (2005) 131 Cal.App.4th
4 777, 794, the court found a mitigation measure that required replacement habitat preservation
5 to satisfy CEQA even though the specifics were not fully determined but where the approval
6 set forth *specific possibilities and parameters that the mitigation needed to meet*.

7 **3. The Role of the CAP in Subsequent GHG Analysis**

8 The key issue here in determining the sufficiency of mitigation measures is the role
9 this CAP is intended to play in a GHG analysis of future projects. As noted above, one aspect
10 of first-tier plans and EIRs is that they may obviate the need for later projects falling within
11 their ambit to conduct new CEQA review on certain issues where the future projects comply
12 with the first-tier plan. Any later discretionary project that complies with its criteria, such as
13 the standards and requirements it imposes, would not need to do further study of GAG
14 emissions. Accordingly, the standards and requirements the CAP imposes for reducing or
15 minimizing GHG emissions must be considered mitigation measures for purposes of CEQA
16 and must comply with the CEQA requirements. This means that they must set forth clearly
17 defined and enforceable performance standards to be met. Because of the intended
18 streamlining, Petitioner correctly contends that the performance standards and measures set
19 forth the PEIR must be clear, definite, and enforceable.

20 Here also, Respondent contends that Petitioner is imposing requirements and standards
21 that do not exist in Guideline 15183.5. Respondent ignores the fundamental CEQA
22 requirements which underlie Petitioner's claims. Respondent contends that Guideline 15183.5
23 does not require mitigation measures for the CAP or within the CAP imposed on future
24 projects. This position not only conflicts with 15183.5 itself, it is fundamentally contrary to
25 the principles of CEQA review.

26 It is axiomatic in CEQA that any measures or requirements imposed be sufficiently
27 defined to be enforceable and that, in the context of tiering, any subsequent project may avoid
28 analysis of an issue only if it complies with a first-tier document that satisfies CEQA

1 requirements. As noted above, PRC 21094(a) states that where a prior first-tier EIR has been
2 certified and applies to a subsequent project, the agency “*need not examine those effects*
3 *which ... were either (1) mitigated or avoided... as a result of the prior [EIR] or (2) examined*
4 *at a sufficient level of detail in the prior [EIR] to enable those effects to be mitigated or*
5 *avoided by site specific revisions, the imposition of conditions, or by other means....”*

6 Accordingly, to obviate the need to address an issue or impact as part of a later project’s
7 CEQA review, a first-tier plan or program document and EIR must sufficiently analyze that
8 issue or impact to determine that compliance with the document and its mitigations will
9 mitigate or avoid the impact. The mitigation requirements in a first-tier document for
10 avoiding or mitigating the impact *must* include performance standards that are mandatory and
11 include specific, and effectively enforceable performance standards. (*Coastal Hills Rural*
12 *Preservation v. County of Sonoma* (2016) 2 Cal.App.5th 1234, 1258.)

13 The prior discussion of Guideline 15183.5 addresses the impact of tiering
14 mechanisms. Again, the CAP, and any such plan prepared under 15183.5, must meet the
15 requirements for all first-tier documents and thus must impose effectively enforceable
16 requirements and measures with defied performance standards.

17 Further, Guideline 15183.5 *does require the CAP to impose mitigation measures on*
18 *future projects. As both Respondent and the CAP itself acknowledge, and as noted above,*
19 *subdivision (b) expressly states that “a lead agency may determine that a project's incremental*
20 *contribution to a cumulative effect is not cumulatively considerable if the project complies*
21 *with the requirements in a previously adopted plan or mitigation program under specified*
22 *circumstances.” This plan or mitigation program, i.e., the CAP, according to (b)(2), “may be*
23 *used in the cumulative impacts analysis of later projects” which clearly means that it need not.*
24 *However, (b)(2) continues to state that if it is so used for a later project, that project must*
25 *comply with the requirements and mitigation measures from the CAP. Once again, in the*
26 *Guideline’s words, a later project that in fact “relies on [the CAP] for a cumulative impacts*
27 *analysis must identify those requirements specified in the plan that apply to the project, and, if*
28

1 *those requirements are not otherwise binding and enforceable, incorporate those*
2 *requirements as mitigation measures....”*

3 In countering Petitioner's complaint that some of the so-called measures or standards
4 are too vague or loose or ill-defined to be properly enforceable, Respondent asserts that this
5 will be “cured” because Guideline 15183.5(b)(2) states that any requirements that are not
6 “binding and enforceable” will be incorporated as mitigation measures in the project’s CEQA
7 document. This “interpretation” does not withstand scrutiny. As explained above, a first-tier
8 document, in order to be used to avoid revisiting analysis of an issue in a later project, must
9 have sufficiently analyzed the issue and found any significant impact to be mitigated or
10 avoided by complying with the document. That means that any requirement, such as
11 mitigation, must have sufficiently defined, clear, and mandatory performance standards to be
12 effectively enforceable and to have predictable results. If the requirements or measures are so
13 ill-defined as to be unenforceable as a practical matter, and effectively meaningless, merely
14 “incorporating” them into the later project’s CEQA document will obviously not fix that
15 problem. What the state in the Guideline must mean, therefore, is not that an ineffective
16 measure may simply be incorporated into a later project’s document, as Respondent asserts,
17 but that a measure or requirement must be incorporated in the document *if it is not enforced*
18 *independently, or through some other mechanism.*

19
20 **4. The Measures in the CAP**

21 The CAP sets forth requirements and standards or mitigation measures at AR 1015-
22 1048.

23 Respondent primarily argues that under Guideline 15183.5(b)(2), any measure which
24 the CAP imposes and which is “not otherwise binding and enforceable” must be incorporated
25 into future projects. As addressed above, this argument is not meritorious. Guideline
26 15183.5(b)(2) expressly requires that:

27 *“An environmental document that relies on a greenhouse gas reduction plan for a*
28 *cumulative impacts analysis must identify those requirements specified in the plan that*
apply to the project, and, if those requirements are not otherwise binding and

1 *enforceable, incorporate those requirements as mitigation measures* applicable to the
2 project. *If there is substantial evidence that the effects of a particular project may be*
3 *cumulatively considerable notwithstanding the project's compliance with the specified*
4 *requirements in the plan for the reduction of greenhouse gas emissions, an EIR must*
5 *be prepared for the project.*

6 (emphasis added.)

7 Petitioner singles out three of the specific measures or requirements in the CAP for
8 discussion as demonstrating a lack of meaningful enforceability and clear standards.

9 **a) 5-R4 (AR 1026)**

10 The first is 5-R4 (AR 1026.) This “trip-reduction ordinance” requires employers with
11 50+ employees to offer one of several options to employees in order to reduce GHG
12 emissions: “pre-tax transit expenses, transit or vanpool subsidy, free or low cost shuttle, *or an*
13 *alternative benefit.*” (Emphasis added.) It is the latter to which Petitioner objects, arguing
14 that it is vague and undefined either in what it must be like or what it must achieve, so that
15 there is no way to enforce this. As a result, Petitioner contends, a project could offer as
16 “alternative benefit” which no-one can at this point predict, and argue that it need not do GHG
17 analysis because it has “complied” with this measure. Respondent contends that an
18 alternative of purchasing GHG offsets is considered and this is correct but this is not the
19 definition of “an alternative benefit,” which is left open and could be anything. Petitioner is
20 correct on this point.

21 Respondent contended that Petitioner failed to exhaust administrative remedies on this
22 specific issue.

23 According to PRC section 21177, “[a] person shall not maintain an action or
24 proceeding unless that person objected to the approval of the project orally or in writing
25 during the public comment period provided by this division or prior to the close of the public
26 hearing on the project before the filing of the notice of determination.” This does not,
27 however, bar an association or organization formed after approval from raising a challenge
28 which one of its constituent members had raised, directly or by agreeing with or supporting

1 another's comments. (PRC section 21177(c).) Moreover, someone may file a legal challenge
2 based on an issue as long as "any person" raised that issue during the review process. PRC
3 section 21177(a); see *Friends of Mammoth v. Board of Supervisors* (1972) 8 Cal.3d 247, 267-
4 268. It also does not apply to any grounds of which the agency did not give required notice
5 and for which there was no hearing or opportunity to be heard. PRC section 21177(e).

6 A party challenging decision under CEQA cannot, to exhaust administrative remedies,
7 rely merely on "general objections" or "unelaborated comments." *Sierra Club v. City of*
8 *Orange* (2008) 163 Cal.App.4th 523, 535; *Coalition for Student Action v. City of Fullerton*
9 (1984) 153 Cal.App.3d 1194, 1197. However, "[l]ess specificity is required to preserve an
10 issue for appeal in an administrative proceeding than in a judicial proceeding...." *Citizens*
11 *Association for Sensible Development of Bishop Area v. County of Inyo* (1985) 172
12 Cal.App.3d 151, 163.

13 Petitioner responds that only the substance of the issue must be raised at the
14 administrative level, relying on *Save Our Residential Environment v. City of West Hollywood*
15 (1992) (Cal.App.4th 1745, 1750.) And further that less specificity is required to exhaust an
16 issue in an administrative proceeding than in a judicial one, relying on *Woodward park*
17 *Homeowners Assn. v. City of Fresno* (2007) 150 Cal.app.4th 683, 712 and *Brothers Real*
18 *Estate Group v. City of Los Angeles* (2008) 153 Cal.App.4th 1385, 1395. The court finds that
19 Petitioner did articulate this as a basic contention in the underlying administrative
20 proceedings. (AR 66 and AR 67.)

21 **b) 4-L-1 (AR 1024)**

22 Petitioner's attack 4-L-1, at AR 1024, which requires consistency with applicable
23 "adopted policies" on mixed-use and transit-oriented development, such as zoning codes,
24 general plans, etc., and states that agencies must "support mixed use [sic] development in
25 city-centers and transit-oriented development locations through their General Plans, etc." is
26 not persuasive. Petitioner contends that this is too vague because "mixed-use" has been
27 interpreted to allow hotels and tourist destinations built downtown or near rail stations.
28 Petitioner focuses on one portion of this requirement that is open-ended. Nothing indicates

1 that the type of use that could be allowed in a mixed-use development, whether store,
2 museum, eatery, office, or hotel, has any bearing on GHG emissions. Petitioner cites no
3 evidence or explanation in support of this claim and does not explain how this is material.
4 What matters is that there are clear, adopted standards mandating such development and
5 Petitioner does not challenge that portion of the measure at all.

6 It is possible that the measure could be found too vague and Petitioner may be
7 challenging it on that basis as well. Petitioner refers to it when mentioning how an
8 “undefined alternative... lacks the required specificity” and Petitioner again mentions it on the
9 following page with reference to “tentative plans” for future mitigation in ill-defined
10 subsequent regulation to be adopted. This, merely requires each jurisdiction to “identify such
11 appropriate areas and include unspecified policies and incentives to encourage development
12 near high-quality transit service.” It requires the jurisdiction to define requirements and
13 identify potential incentives, giving a list of the types that these “may include,” the last being
14 “other related items.” Again, this does not give any clear performance standards regarding
15 how to achieve this or what the parameters are. As Petitioner argues, for the third measure,
16 the court in *Communities for a Better Environment v. City of Richmond*, 184 Cal.App.4th 70,
17 92, found a measure insufficiently specific where it required reduction of mobile emission
18 sources though “transportation smart” development because “reliance on tentative plans for
19 future mitigation... significantly undermines CEQA’s goals of full disclosure and informed
20 decision making.” Under this analysis, this measure is also defective.

21
22 **c) 2-L-1 (AR 1021)**

23 Lastly, Petitioner argues that 2-L-1, at AR 1021, is defective. This measure mandates
24 that the project “comply with local requirement(s) for rooftop solar PV on new residential
25 development. It states that each jurisdiction “will define which new development must
26 provide rooftop solar [PV] by defining qualifying criteria... and the amount of solar
27 required...” As Petitioner argues, this sets no standards at all, just like 4-L-1, but instead
28 merely general principles and future possibilities. This violates CEQA.

1 Petitioner further argues that the measures in general do not guarantee any likelihood
2 of implementation. This is clear from the ones discussed above. Petitioner cites 1-R2 as
3 another example. It states that two named agencies “will work with the participating
4 communities to implement energy efficient retrofits. Actions may include: Implementing a...
5 weatherization program, expanding energy efficiency outreach/education campaigns...,
6 promoting the smart grid,” etc. Again, none of this goes beyond stating wishful thinking,
7 good intentions, and an intent to “work” with others. Measures that fall into this category
8 violate CEQA as well.

9 Petitioner also generally attacks the measures as lacking meaningful enforceability.
10 Petitioner also contends that of all of them, only 1-S1 and 1-S2 are actually enforceable
11 because they govern building energy and lighting efficiency, both controlled by state
12 regulation. The court finds a few others in addition to 1-S1 and 1-S2 to be similarly
13 enforceable. These include 1-L1, based on Windsor’s building code, 1-L2, requiring LED
14 lights in new development.

15 Aside from those few, Petitioner is correct that most are not enforceable, either
16 because they are too vague and lacking in meaningful mandatory requirements such as those
17 already discussed, which only “require” some “alternative” that is not specified or governed
18 by set parameters. Others, such as 1-L3 through 2-L2, state mitigation measures but then state
19 that these are “voluntary,” or “encouraged,” or only necessary where “applicable” based on
20 circumstances or criteria that are not defined. Others again rely on other jurisdictions such as
21 the cities creating applicable requirements that in some unspecified manner promote the
22 stated, vague, open-ended policies that lack any parameters or requirements. These are too
23 numerous to list them all here but this general characteristic dominates almost all of the
24 measures from what I have read.

25 Accordingly, the court grants the petition with respect to mitigation. Because the
26 record does not provide adequate information about extraterritorial emissions the agency and
27 the public could not and the court cannot determine whether the CAP would achieve its stated
28 goal to reduce GAG impacts to pre-1990 levels by 2020.

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E. ALTERNATIVES

Petitioner asserts that Respondent violated CEQA by adopting as the “environmentally superior alternative” the Zero Net Energy Buildings Alternative because it fails to address GHG emissions from transportation while Respondent declined to evaluate an alternative with a moratorium on, or significant reduction of, new or expanded vineyards, wineries and tourist destinations. (AR 94; 426-427.)

Respondent contends that the analysis is sufficient because Petitioner believes that reducing or stopping growth, and in particular growth that involves travel of people and goods to and from the county, is necessary, and Petitioner cannot impose such mandates on R; Respondent considered a range of alternatives; and choosing the moratorium alternative would require the court to “dramatically substitute” its judgment for Respondent’s.

CEQA requires all EIRs to consider alternatives to the project. (*Friends of the Old Trees v. Dept. of Forestry & Fire Protection* (1st Dist.1997) 52 Cal.App.4th 1383, 1393-1395 (*Friends of Old Trees*).

1. Importance and Central Role of Alternatives Analysis

PRC section 21002 states that “it is the policy of the state that public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects....” An agency may not approve a project that will result in significant impacts *unless it first finds that mitigation measures or alternatives are infeasible*. (PRC section 21081; Guidelines 15091, 15093.)

The Supreme Court decided that considering alternatives is one of the most important functions of an EIR. (*Wildlife Alive v. Chickering* (1976) 18 Cal.3d 190, 197.) In fact, “[t]he core of the EIR is the mitigation and alternatives sections.” (*Citizens of Goleta Valley v. Bd. of Supervisors* (1990) 52 Cal.3d 553, 564, 566 (*Goleta II*).

Without evidence regarding why the alternatives are insufficient to meet the project or CEQA goals, meaningful analysis is impossible. An EIR must “explain in meaningful detail the reasons and facts supporting [the] conclusion.” (*Marin Municipal Water Dist. v. KG Land*

1 *Corp. California* (1991) 235 Cal.App.3d 1652, 1664.) Failure to provide sufficient analysis
2 or alternatives makes it impossible for the court to “intelligently examine the validity of the...
3 action.” (*Topanga Assn. for a Scenic Community v. County of Los Angeles* (1974) 11 Cal.3d
4 506, 513-514, 522.)

5 The alternatives must be discussed in the EIR itself, provided for public review, and
6 subject to analysis, and the agency cannot cure defects by providing analysis in its official
7 response. (See *Friends of the Old Trees, supra*, 52 Cal.App.4th at 1403-1405.)

8 **2. Authority on Analyzing Alternatives and Feasibility**

9 The discussion should evaluate the relative merits of each alternative 14 CCR
10 §15126.6(a). Respondents need not analyze or adopt alternatives that are not feasible. 14
11 CCR ' 15126.6(c), (f); *Citizens of Goleta Valley v. Bd. of Supervisors* (1990) 52 Cal.3d 553,
12 564, 566 (*Goleta II*). However, the document *must* consider alternatives that *are* feasible.
13 *EPIC v. Johnson* (1985) 170 Cal.App.3d 604, 610; *Friends of the Old Trees, supra*, 52
14 Cal.App.4th 1404.

15 Ultimately, determining if alternatives are suitable involves a three-part test governed
16 by the “rule of reason” as set forth in Guideline 15126.6. (See *Citizens of Goleta Valley v.*
17 *Bd. of Supervisors* (1990) 52 Cal.3d 553, 564, 566 (*Goleta II*); *Save San Francisco Bay*
18 *Association v. San Francisco Bay Conservation and Development Commission* (1992) 10
19 Cal.App.4th 908, 919.) The analysis must consider alternatives that 1) may “attain most of the
20 basic objectives of the project,” 2) reduce or avoid the project’s impacts, and 3) are
21 “potentially feasible.” (Guideline 15126.6(a), (f).)

22 The analysis of alternatives is required to set forth facts and “*meaningful analysis*” of
23 these alternatives rather than “just the agency’s bare conclusions or opinions.” (*Laurel*
24 *Heights I, supra*, 47 Cal.3d 376, 404-405; *Goleta II, supra*, 52 Cal.3d 569; *Preservation*
25 *Action Council v. City of San Jose* (2006) 141 Cal.App.4th 1336, 1353.) All analysis must
26 include “detail sufficient to enable those who did not participate... to understand and to
27 consider meaningfully” the alternatives. (*Laurel Heights I, supra*, 404-405.)
28

1 As notes above, “feasible” means able to be “accomplished in a successful manner
2 within a reasonable period... taking into account economic, environmental, social, and
3 technological factors.” (PRC section 21061.1.)

4 When the agency determines that alternatives are infeasible, it “shall describe the
5 specific reasons for rejecting identified...project alternatives.” (Guideline 15091(a), (c).) The
6 analysis of alternatives is required to set forth facts and “*meaningful analysis*” of these
7 alternatives rather than “just the agency’s bare conclusions or opinions.” (*Laurel Heights I,*
8 *supra*, 47 Cal.3d 376, 404-405; *Goleta II, supra*, 52 Cal.3d 569; *Preservation Action Council*
9 *v. City of San Jose* (2006) 141 Cal.App.4th 1336, 1353.) All analysis must include “detail
10 sufficient to enable those who did not participate... to understand and to consider
11 meaningfully” the alternatives. (*Laurel Heights I, supra*, 404-405.)

12 The agency must make findings identifying specific considerations making an
13 alternative infeasible and the specific benefits of the Project that outweigh the relative harm.
14 (PRC § 21002.1(b), 21081, Guideline 15092(b); *Preservation Action Council, supra*, 1353.)

15 On the other hand, as usual, the requirement is one of reasonableness and a “crystal
16 ball” inquiry is not necessary. (*Residents Ad Hoc Stadium Committee v. Bd. of Trustees* (3d
17 Dist.1979) 89 Cal.App.3d 272, 286.) The key, as with most aspects of an EIR is that the
18 agency must provide enough information about the analytical path taken to allow the court to
19 “intelligently examine the validity of the administrative action.” (*Topanga Assn. for a Scenic*
20 *Community v. County of Los Angeles* (1974) 11 Cal.3d 506, 513-514, 522.) However, no
21 “ironclad rule” other than the “rule of reason” governs the decision. (Guideline 15126.6(a).)

22 An agency cannot find an alternative infeasible simply because the developer does not
23 want to do it. (*Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587, 601.)
24 In fact, the analysis must include alternatives that are reasonable “even if they substantially
25 impede the project or are more costly.” (*San Bernardino Valley Audubon Society v. County of*
26 *San Bernardino* (1984) 155 Cal.App.3d 738, 750; see also *Preservation Action Council v.*
27 *City of San Jose* (2006) 141 Cal.App.4th 1336.)
28

1 An EIR or decision thereon also cannot merely state that an alternative is infeasible
2 simply because it is too expensive or will not lead to sufficient return without providing
3 supporting analysis. (*Preservation Action Council v. City of San Jose* (2006) 141 Cal.App.4th
4 1336.) “The fact that an alternative may be more expensive or less profitable is not sufficient
5 to show that the alternative is financially infeasible. What is required is evidence that the
6 *additional costs or lost profitability* are sufficiently severe as to render it impractical to
7 proceed with the project.” (*Citizens of Goleta Valley v. Board of Supervisors* (1988) 197
8 Cal.App.3d 1167, 1181; *Uphold Our Heritage, supra*, 599; (emphasis added).)

9 An alternative should be capable of “substantially lessening” adverse impacts but it
10 need only have fewer impacts and it need not be impact free. PRC 21002; Guideline
11 15126.6(a); *Citizens of Goleta Valley v. Board of Supervisors (Goleta II)* (1990) 52 Cal.3d
12 553, 566.

13 **3. Reasonable Range**

14 An EIR must describe a reasonable range of alternatives to the proposed project or its
15 location that would feasibly achieve most of the project’s objectives, while reducing or
16 avoiding any of its significant effects. (Guideline 15126.6(a), (d).)

17 The EIR “shall focus on alternatives... which are capable of avoiding or substantially
18 lessening any significant effects of the project, even if these alternatives would impede to
19 some degree the attainment of the project objective, or would be more costly.” (Guideline
20 15126.6(b).)

21 The EIR must set forth the alternatives necessary to permit a reasoned choice and in a
22 manner that will allow “meaningful evaluation.” (Guideline 15126.6(a), (d), (f); *Goleta II*;
23 see also *Laurel Heights I, supra*; see also *San Bernardino Valley Audubon Soc., Inc. v. County*
24 *of San Bernardino* (1984) 155 Cal.App.3d 738, 750-751 (the detail must allow a reasonable
25 choice “so far as environmental aspects are concerned.”).)

26 If an EIR excludes certain alternatives, it should identify the alternatives and set forth
27 the reasons. (*Goleta II, supra*, 569; Guideline 15126.6(b).) The court in determining if the
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1 EIR included a reasonable range of alternatives may consider the entire record to determine if
2 alternatives were properly excluded from consideration. (*Goleta II, supra*, 569.)

3 Alternatives that would eliminate or reduce significant environmental impacts *must* be
4 considered even if they would cost more or “to some degree” impede attainment of the
5 project’s objectives. (Guideline 15126.6(b).)

6 **4. Detail of Relevant Decisions on the Adequacy of Alternatives**

7 In *Friends of the Old Trees, supra*, 52 Cal.App.4th 1383, an extreme case, there was
8 no discussion of alternatives in the versions submitted for public review. The agency argued
9 that the fact it considered mitigation should suffice, while the real party marked a box
10 selecting a certain method of cutting. The court also noted that the *public* brought forth “the
11 only true alternatives,” and that these were discussed only after the document was approved.
12 (*Friends of the Old Trees, supra*, 52 Cal.App.4th 1405.) The court found the discussion
13 inadequate. (*Id.*, 1403-1405.)

14 In *Citizens of Goleta Valley v. Board of Supervisors (Goleta I)*, (1988) 197
15 Cal.App.3d 1167, the EIR considered a smaller hotel to be an economically infeasible
16 alternative to the proposed hotel at issue. Because the EIR lacked *evidence* that the smaller
17 hotel was economically infeasible, the court considered it error to deny the writ of mandate.
18 The court found that although the EIR contained estimated figures of costs, the record did not
19 reveal any *evidence* which *analyzed* the alternative in terms of comparative costs, comparative
20 profits or losses, or comparative economic benefit to the project proponent, residents, or the
21 community at large. (*Id.*, 1180.)

22 The court in *Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587,
23 at 599, addressed a project to demolish an historic mansion in order to construct a new,
24 smaller single-family residence. The court found that evidence that alternatives of historic
25 rehabilitation or rehabilitation with a new addition, would cost between \$4.9 million and \$10
26 million was not substantial evidence that alternatives were not economically feasible since
27 there was no evidence of the likely cost of a proposed replacement home or average cost of
28

1 building the proposed 6,000 square foot home in the city. It also found that whether the
2 developer wanted to do the alternative was irrelevant to determining if it is not feasible.

3 *San Joaquin Raptor/Wildlife Rescue Center v. County of Stanislaus (Arambel and*
4 *Rose Development, Inc.)* (1994) 27 Cal.App.4th 713, also dealt with alternatives analysis.
5 The court found, in the context of a proposed housing development, that the discussion of
6 housing density alternatives was inadequate. The DEIR stated that a lower density would
7 “lessen the impacts,” but failed to identify which impacts it meant or to what degree. The
8 court ruled that “[s]uch a bare conclusion without an explanation of its factual and analytical
9 basis is insufficient.” *Id.*, at 736. The court went on to state:

10 That lower density might not be “economically feasible,” is not sufficient
11 justification for the failure to give basic information as to density alternatives
12 which were considered and rejected. Contrary to [respondent’s] argument,
13 [petitioners] are not required to show there are reasonable alternatives. *It is the*
14 *project proponent’s responsibility to provide an adequate discussion of*
15 *alternatives....* If the project proponent concludes there are no feasible
16 alternatives, it must explain in *meaningful detail* in the EIR the basis for that
17 conclusion. Thus, even if alternatives are rejected, an EIR *must explain why*
18 *each suggested alternative either does not satisfy the goals of the proposed*
19 *project, does not offer substantial environmental advantages or cannot be*
20 *accomplished.*

21 *Id.*, at 737 (emphasis added).

22 **5. Whether Feasibility Finding Is Necessary**

23 As noted above, PRC sections 21002, 21081, and Guidelines 15091, 15093 together
24 forbid approval of a project that *will result in significant impacts without first finding that*
25 *any environmentally superior alternatives are infeasible.* Petitioner argues that Respondent
26 failed to consider an alternative that is environmentally superior.
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1 **6. The Alternatives Analysis for the CAP**

2 The alternatives analysis is at AR 425-438. The PEIR explains that it developed and
3 analyzed only *one* other alternative, the Carbon Offset Alternative, in addition to the chosen
4 Zero Net Energy Buildings plan and the mandatory no-project alternative. It expressly
5 rejected a growth moratorium, reduced density, greater density, increased Sonoma Clean
6 Power, expanded transit service, 1990 Levels by 2020 (AB32), and 80% Below 1990 Levels
7 by 2020.

8 The real issue here is whether the Respondent, in rejecting formulating other
9 alternatives, has considered a reasonable range, as required, and whether Respondent has
10 provided sufficient explanation of infeasibility or other reasoning to support not considering
11 other proposed alternatives.

12 Respondent's analysis is insufficient. Respondent considered almost no range at all,
13 and only one other alternative that essentially is one that does nothing other than to authorize
14 Respondent to buy GHG offsets for all GHG impacts from projects. Although Respondent
15 argues to the contrary, this alternative seems both infeasible and at the same time would not
16 actually do anything to control or limit actual GHG production. As an alternative, this
17 appears to be one of form, but not of substance.

18 By contrast, the moratorium or reduced-development alternative which Petitioner
19 proposes, and which was presented to Respondent in public comments (see, e.g., AR 93-94,
20 response to comment) along with others noted but rejected without being developed, include
21 real solutions that differ significantly from the chosen CAP. At least some, like the
22 moratorium or growth limit, also address issues of GHG production from travel. While it is
23 logical that some may be infeasible or incompatible with goals of growth, this is not alone,
24 without explanation or support, a basis for not even considering those alternatives, or
25 modified versions. For example, Respondent noted a moratorium on growth of wineries or
26 housing “until the jobs-housing balance in the County is more equitable,” but this does not
27 even address the issues of Petitioner's proposed moratorium, it is arbitrarily limited, and it
28 does not even seem to make much sense. There is no evidence or explanation for what it

1 would be or why Respondent could not consider a similar, but different one, such as Petitioner
2 proposed. That is the purpose of actually developing and considering alternatives. Given
3 that there are available alternatives that differ drastically from what Respondent has
4 considered and given that Respondent has, in effect, considered only one other option that is
5 perhaps only nominally an alternative, this analysis fails to consider a reasonable range of
6 alternatives, or even any range at all.

7 The court Grants the petition on this issue.

8 **F. RESPONSE TO PUBLIC COMMENTS**

9 Petitioner next argues that Respondent's response to public comments was insufficient
10 in violation of Guideline 15088(c).

11 The “evaluation and response to public comments is an essential part of the CEQA
12 process.” (Discussion following CEQA Guideline 15088.) The final EIR must include
13 evaluation and responses to all comments received in the public-comment period. PRC
14 section 21091(d)(2)(A). Guideline 15088 governs responses to comments and subdivision (c)
15 governs the substance of such responses. It requires responses to address issues “in detail”
16 and demonstrate “why specific comments and suggestions were not accepted.” Most
17 importantly, perhaps, the responses must explain the reasons for rejecting suggestions with a
18 “good faith, reasoned analysis” and must not rely on “[c]onclusory statements unsupported by
19 factual information.” Guideline 15088(c).

20 **1. Exhaustion of Administrative Remedies**

21 Respondent first contends that Petitioner failed to exhaust administrative remedies on
22 this issue. The court has found, above, that Petitioner exhausted its administrative remedies.

23 Petitioner's argument here is collateral and not persuasive. Although Petitioner points
24 out that a few responses may not sufficiently resolve issues, that is of little importance in of
25 itself. What matters are the fundamental defects that have not been cured as discussed above:
26 failure to properly determine GHG inventory, or demonstrate that Respondent could not
27 practically have done more or did not need to do more; ill-defined mitigation measures
28 lacking enforceable criteria or parameters; and lack of reasonable range of alternatives.

1 The court denies the Petition with respect to the comments..

2 **G. WHETHER RESPONDENTS' ERROR WAS PREJUDICIAL**

3 Respondent contends that even if Petitioner demonstrated error, it was not prejudicial.

4 As noted at the outset, in order for the court to issue a writ of mandate, it must find not only
5 error, i.e., a violation of CEQA, but that error was prejudicial. (*Chaparral Greens v. City of*
6 *Chula Vista* (1996) 50 Cal.App.4th 1134, 1143; see PRC 21168, 21168.5, *Laurel Heights I,*
7 *supra* 47 Cal.3d 392, fn.5; Remy, et al., Guide to the California Environmental Quality Act
8 (10th Ed.1999) Chapter XI(D), p.590.)

9 Respondent's failure to impose meaningful, effectively enforceable mitigation
10 measures, when presenting compliance with the CAP as a way for future projects to avoid any
11 other GHG analysis, is fundamentally and on its face, prejudicial. The failure to present a
12 reasonable range of alternatives or to properly inventory GHG emissions as required are also
13 on, their face, prejudicial because they prevent informed decision making or public review,
14 the very bases of CEQA. (*Sierra Club v. State Bd. of Forestry* (1994) 7 Cal.4th 1215, 1228-
15 1230, 1235-1237 (failure to put critical information in an environmental document was in of
16 itself a prejudicial abuse of discretion partly because it "frustrated the purpose of the public
17 comment provisions"); *Save Cuyama Valley v. County of Santa Barbara* (2013) 213
18 Cal.App.4th 1059, at 1073 ("[a]n error is prejudicial when an agency fails to comply with a
19 mandatory CEQA procedure or when a report omits information and thereby precludes
20 informed decision making); *Lighthouse Field Beach Rescue v. City of Santa Cruz* (2005) 131
21 Cal.App.4th 1170, 1182.; *Schoen v. Dept. of Forestry & Fire Protection* (1997) 58
22 Cal.App.4th 556, 565 ("We cannot overlook a prejudicial error by surmising that the project
23 would have gone forward anyway.")) .)

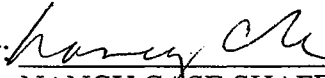
24 Based on the foregoing,
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1 NOW, THEREFORE,

2 ORDER

3 1. The Petition for Mandamus is granted as stated above.

4 Dated: 7/20/17

5 By: 
6 NANCY CASE SHAFFER
7 Judge of the Superior Court

8 END NOTES

9 (a) "Tiering" refers to using the analysis of general matters contained in a broader EIR (such
10 as one prepared for a general plan or policy statement) with later EIRs and negative
11 declarations on narrower projects; incorporating by reference the general discussions from the
12 broader EIR; and concentrating the later EIR or negative declaration solely on the issues
13 specific to the later project.

14 (b) Agencies are encouraged to tier the environmental analyses which they prepare for
15 separate but related projects including general plans, zoning changes, and development
16 projects. This approach can eliminate repetitive discussions of the same issues and focus the
17 later EIR or negative declaration on the actual issues ripe for decision at each level of
18 environmental review. Tiering is appropriate when the sequence of analysis is from an EIR
19 prepared for a general plan, policy, or program to an EIR or negative declaration for another
20 plan, policy, or program of lesser scope, or to a site-specific EIR or negative declaration.
21 Tiering does not excuse the lead agency from adequately analyzing reasonably foreseeable
22 significant environmental effects of the project and does not justify deferring such analysis to
23 a later tier EIR or negative declaration. However, the level of detail contained in a first tier
24 EIR need not be greater than that of the program, plan, policy, or ordinance being analyzed.

25 (c) Where a lead agency is using the tiering process in connection with an EIR for a large-
26 scale planning approval, such as a general plan or component thereof (e.g., an area plan or
27 community plan), the development of detailed, site-specific information may not be feasible
28 but can be deferred, in many instances, until such time as the lead agency prepares a future
environmental document in connection with a project of a more limited geographical scale, as
long as deferral does not prevent adequate identification of significant effects of the planning
approval at hand.

(d) Where an EIR has been prepared and certified for a program, plan, policy, or ordinance
consistent with the requirements of this section, any lead agency for a later project pursuant to
or consistent with the program, plan, policy, or ordinance should limit the EIR or negative
declaration on the later project to effects which:

- (1) Were not examined as significant effects on the environment in the prior EIR; or
- (2) Are susceptible to substantial reduction or avoidance by the choice of specific revisions in the project, by the imposition of conditions, or other means.

(e) Tiering under this section shall be limited to situations where the project is consistent with
the general plan and zoning of the city or county in which the project is located, except that a
project requiring a rezone to achieve or maintain conformity with a general plan may be
subject to tiering.

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2 (f) A later EIR shall be required when the initial study or other analysis finds that the later
3 project may cause significant effects on the environment that were not adequately addressed
4 in the prior EIR. A negative declaration shall be required when the provisions of Section
5 15070 are met.

6 (1) Where a lead agency determines that a cumulative effect has been adequately addressed in
7 the prior EIR, that effect is not treated as significant for purposes of the later EIR or negative
8 declaration, and need not be discussed in detail.

9 (2) When assessing whether there is a new significant cumulative effect, the lead agency shall
10 consider whether the incremental effects of the project would be considerable when viewed in
11 the context of past, present, and probable future projects. At this point, the question is not
12 whether there is a significant cumulative impact, but whether the effects of the project are
13 cumulatively considerable. For a discussion on how to assess whether project impacts are
14 cumulatively considerable, see Section 15064(i).

15 (3) Significant environmental effects have been "adequately addressed" if the lead agency
16 determines that:

17 (A) they have been mitigated or avoided as a result of the prior environmental impact report
18 and findings adopted in connection with that prior environmental report; or

19 (B) they have been examined at a sufficient level of detail in the prior environmental impact
20 report to enable those effects to be mitigated or avoided by site specific revisions, the
21 imposition of conditions, or by other means in connection with the approval of the later
22 project.

23 (g) When tiering is used, the later EIRs or negative declarations shall refer to the prior EIR
24 and state where a copy of the prior EIR may be examined. The later EIR or negative
25 declaration should state that the lead agency is using the tiering concept and that it is being
26 tiered with the earlier EIR.

27 (h) There are various types of EIRs that may be used in a tiering situation. These include, but
28 are not limited to, the following:

(1) General plan EIR (Section 15166).

(2) Staged EIR (Section 15167).

(3) Program EIR (Section 15168).

(4) Master EIR (Section 15175).

(5) Multiple-family residential development/residential and commercial or retail mixed-use
development (Section 15179.5).

(6) Redevelopment project (Section 15180).

(7) Projects consistent with community plan, general plan, or zoning (Section 15183).

One specific example of a first-tier EIR is a "program" EIR as set forth in Guideline
15168. This details the nature and requirements and uses of such a first-tier EIR, in a manner
similar to that set forth in 15152, and gives another good picture of how they are to be used
and what they must do to be so used in compliance with CEQA. It states, in full,

(a) General. A program EIR is an EIR which may be prepared on a series of actions
that can be characterized as one large project and are related either:

(1) Geographically,

(2) As logical parts in the chain of contemplated actions,

(3) In connection with issuance of rules, regulations, plans, or other general criteria to
govern the conduct of a continuing program, or

1 (4) As individual activities carried out under the same authorizing statutory or
2 regulatory authority and having generally similar environmental effects which can be
3 mitigated in similar ways.

4 (b) Advantages. Use of a program EIR can provide the following advantages. The
5 program EIR can:

6 (1) Provide an occasion for a more exhaustive consideration of effects and alternatives
7 than would be practical in an EIR on an individual action,

8 (2) Ensure consideration of cumulative impacts that might be slighted in a case-by-
9 case analysis,

10 (3) Avoid duplicative reconsideration of basic policy considerations,

11 (4) Allow the lead agency to consider broad policy alternatives and program wide
12 mitigation measures at an early time when the agency has greater flexibility to deal with basic
13 problems or cumulative impacts,

14 (5) Allow reduction in paperwork.

15 (c) Use With Later Activities. Subsequent activities in the program must be examined
16 in the light of the program EIR to determine whether an additional environmental document
17 must be prepared.

18 (1) If a later activity would have effects that were not examined in the program EIR, a
19 new initial study would need to be prepared leading to either an EIR or a negative declaration.

20 (2) If the agency finds that pursuant to Section 15162, no new effects could occur or
21 no new mitigation measures would be required, the agency can approve the activity as being
22 within the scope of the project covered by the program EIR, and no new environmental
23 document would be required.

24 (3) An agency shall incorporate feasible mitigation measures and alternatives
25 developed in the program EIR into subsequent actions in the program.

26 (4) Where the subsequent activities involve site specific operations, the agency should
27 use a written checklist or similar device to document the evaluation of the site and the activity
28 to determine whether the environmental effects of the operation were covered in the program
EIR.

(5) A program EIR will be most helpful in dealing with subsequent activities if it deals
with the effects of the program as specifically and comprehensively as possible. With a good
and detailed analysis of the program, many subsequent activities could be found to be within
the scope of the project described in the program EIR, and no further environmental
documents would be required.

(d) Use With Subsequent EIRS and Negative Declarations. A program EIR can be
used to simplify the task of preparing environmental documents on later parts of the program.
The program EIR can:

(1) Provide the basis in an initial study for determining whether the later activity may
have any significant effects.

(2) Be incorporated by reference to deal with regional influences, secondary effects,
cumulative impacts, broad alternatives, and other factors that apply to the program as a whole.

(3) Focus an EIR on a subsequent project to permit discussion solely of new effects
which had not been considered before.

(e) Notice With Later Activities. When a law other than CEQA requires public notice
when the agency later proposes to carry out or approve an activity within the program and to

1
2 rely on the program EIR for CEQA compliance, the notice for the activity shall include a
3 statement that:

- 4 (1) This activity is within the scope of the program approved earlier, and
5 (2) The program EIR adequately describes the activity for the purposes of CEQA.

6 ii (a) Lead agencies may analyze and mitigate the significant effects of greenhouse gas
7 emissions at a programmatic level, such as in a general plan, a long range development plan,
8 or a separate plan to reduce greenhouse gas emissions. Later project-specific environmental
9 documents may tier from and/or incorporate by reference that existing programmatic review.
10 Project-specific environmental documents may rely on an EIR containing a programmatic
11 analysis of greenhouse gas emissions as provided in section 15152 (tiering), 15167 (staged
12 EIRs) 15168 (program EIRs), 15175-15179.5 (Master EIRs), 15182 (EIRs Prepared for
13 Specific Plans), and 15183 (EIRs Prepared for General Plans, Community Plans, or Zoning).

14 (b) Plans for the Reduction of Greenhouse Gas Emissions. Public agencies may *choose to*
15 *analyze and mitigate significant greenhouse gas emissions in a plan for the reduction of*
16 *greenhouse gas emissions or similar document.* A plan to reduce greenhouse gas emissions
17 may be used in a cumulative impacts analysis as set forth below. Pursuant to sections
18 15064(h)(3) and 15130(d), a lead agency may determine that a project's incremental
19 contribution to a cumulative effect is not cumulatively considerable if the project complies
20 with the requirements in a previously adopted plan or mitigation program under specified
21 circumstances.

22 (1) *Plan Elements. A plan for the reduction of greenhouse gas emissions should:*

23 (A) Quantify greenhouse gas emissions, both existing and projected over a specified
24 time period, resulting from activities within a defined geographic area;

25 (B) Establish a level, based on substantial evidence, below which the contribution to
26 greenhouse gas emissions from activities covered by the plan would not be cumulatively
27 considerable;

28 (C) Identify and analyze the greenhouse gas emissions resulting from specific actions
or categories of actions anticipated within the geographic area;

(D) Specify measures or a group of measures, including performance standards, that
substantial evidence demonstrates, if implemented on a project-by-project basis, would
collectively achieve the specified emissions level;

(E) Establish a mechanism to monitor the plan's progress toward achieving the level
and to require amendment if the plan is not achieving specified levels;

(F) Be adopted in a public process following environmental review.

(2) Use with Later Activities. A plan for the reduction of greenhouse gas emissions,
once adopted following certification of an EIR or adoption of an environmental document,
may be used in the cumulative impacts analysis of later projects. An environmental document
that relies on a greenhouse gas reduction plan for a cumulative impacts analysis must identify
those requirements specified in the plan that apply to the project, and, if those requirements
are not otherwise binding and enforceable, incorporate those requirements as mitigation
measures applicable to the project. If there is substantial evidence that the effects of a
particular project may be cumulatively considerable notwithstanding the project's compliance
with the specified requirements in the plan for the reduction of greenhouse gas emissions, an
EIR must be prepared for the project.

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(c) Special Situations. As provided in Public Resources Code sections 21155.2 and 21159.28, environmental documents for certain residential and mixed use projects, and transit priority projects, as defined in section 21155, that are consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in an applicable sustainable communities strategy or alternative planning strategy need not analyze global warming impacts resulting from cars and light duty trucks.

A lead agency should consider whether such projects may result in greenhouse gas emissions resulting from other sources, however, consistent with these Guidelines.

PROOF OF SERVICE BY MAIL

I certify that I am an employee of the Superior Court of California, County of Sonoma, and that my business address is 600 Administration Drive, Room 107-J, Santa Rosa, California, 95403; that I am not a party to this case; that I am over the age of 18 years; that I am readily familiar with this office's practice for collection and processing of correspondence for mailing with the United States Postal Service; and that on the date shown below I placed a true copy of Order Granting Petition for Writ of Mandate in an envelope, sealed and addressed as shown below, for collection and mailing at Santa Rosa, California, first class, postage fully prepaid, following ordinary business practices.

Date: July 20, 2017

JOSÉ OCTAVIO GUILLÉN
Court Executive Officer

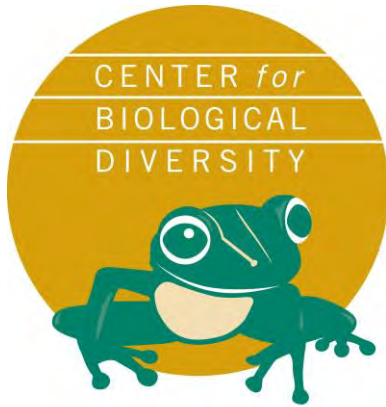
By: Missy Lemley
Missy Lemley, Deputy Clerk

-ADDRESSEES-

✓ JERRY BERNHAUT
708 Gravenstein Hwy N # 407
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BRUCE D GOLDSTEIN
COUNTY COUNSEL
575 Administration Dr Rm 105a
Santa Rosa Ca 95403

EXHIBIT D



Because life is good.

May 24, 2019

Sent via email and FedEx

Los Angeles County Chief Sustainability Office
Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012
sustainability@lacounty.gov

Re: Comments on Discussion Draft of Los Angeles Countywide Sustainability Plan

Dear Los Angeles County Chief Sustainability Office:

These comments are submitted on behalf of the Center for Biological Diversity (“Center”) regarding the Discussion Draft of the Los Angeles Countywide Sustainability Plan (“Draft Plan”). The Center appreciates the Chief Sustainability Office’s efforts in developing the Draft Plan and generally supports the goals of the Draft Plan. We urge the Chief Sustainability Office and the Los Angeles County Board of Supervisors (“Board”) to ensure that the strategies and policies supporting these goals are clear and enforceable.

A. Background on the Center for Biological Diversity.

The Center for Biological Diversity (“Center”) is a non-profit, public interest environmental organization dedicated to the protection of native species and their habitats through science, policy, and environmental law. The Center has over one million members and online activists throughout California and the United States. The Center has worked for many years to protect imperiled plants and wildlife, open space, air and water quality, and overall quality of life for people in Los Angeles County.

B. The Center Urges Stronger Buffers to Ensure Healthy Community Environments.

We strongly support Goals 1 and 4—“resilient and healthy community environments where residents thrive in place” and opportunities for residents and businesses to “transition to clean economy sectors.” (Draft Plan at 20 & 72.) We also support strong efforts to decrease the public health problems generated by freeways and oil and gas drilling, but are concerned that the proposed targets and actions do not go far enough.

The Plan Should Require Larger Buffers between Sensitive Uses and Freeways

We support “siting of new sensitive uses, such as playgrounds, daycare centers, schools, residences, or medical facilities” farther from freeways, but are concerned that the proposed 500-foot buffers are insufficient. Studies indicate even people **900 to 1200 feet** from freeways experience health impacts and sensitive receptors such as children and the elderly suffer the most. (Lin 2002.) A review of 700 studies concluded that pollution causes asthma attacks in children, the onset of childhood asthma, impaired lung function, premature death and death from cardiovascular diseases, and cardiovascular morbidity. (Health Effects Institute 2010.) The Health Effects Institute study concluded that the “exposure zone” was 300 to 500 meters from the highways (984 feet to 1640 feet). (*Id.*) Other studies have reached similar conclusions. (Suglia 2008.) Living near expressways also increases the likelihood that residents will suffer from dementia. (Chen 2017.) The University of Southern California’s Environmental Health Centers have also collected data and studies showing risks and health impacts to pregnant women, babies, children, teenagers, adults, and seniors of living by a freeway.¹

The Plan Should Require 2500-foot Setbacks to Separate Oil and Gas Facilities from Homes

We would like to emphasize our support for the Draft Plan’s inclusion of a series of actions to address the disproportionate exposure of low-income communities of color to fossil fuel extraction and refining (Actions 2, 3, 4, 5 and 7). In addition, we support Action 78 that calls for collaborating with the City of Los Angeles to develop a sunset strategy for oil and gas operations that prioritizes disproportionately impacted neighborhoods. In the final adoption of the plan, we urge the County to incorporate a more specific, concrete and common sense measure that we have supported at the City and County as an ally of the STAND-LA coalition: a 2500-foot setback (or buffer zone) to separate oil and gas facilities from homes, schools and other sensitive land uses, with a plan to phase out existing oil and gas within no more than five years. We are also supportive of the Draft Plan’s inclusion of a commitment to a “Just Transition” that examines the impact of the transition to a cleaner economy and develops strategies for supporting displaced workers and connecting them with meaningful job training and employment opportunities (Actions 56 and 57).

¹ University of Southern California Environmental Health Centers, *References: Living Near Busy Roads or Traffic Pollution*, available at <http://envhealthcenters.usc.edu/infographics/infographic-living-near-busy-roads-or-traffic-pollution/references-living-near-busy-roads-or-traffic-pollution> (collecting studies). See also Tony Barboza and Jon Schleuss, “L.A. keeps building near freeways, even though living there makes people sick,” *Los Angeles Times* (Mar. 2, 2017), available at <http://www.latimes.com/projects/la-me-freeway-pollution/>.

Reducing Asthma and Toxic Emissions through Less VMT

The Center strongly supports decreasing child asthma rates as proposed by the Draft Plan. However, this will not be possible if the Board continues to approve projects that add more unnecessary freeway traffic and air pollution to the region. An example of this is the recently-approved Centennial development approved by the Board, which will add 75,000 new long distance car commuters onto our freeways, increasing air pollution and hindering efforts to reduce toxic emissions.

C. The Center Supports Goal 2 and Urges Implementation of Zero Net Energy Standards.

We support the Plan’s Goal 2—ensuring that “[b]uildings and infrastructure that support human health and resilience.” (Draft Plan at 42.) The Center notes that Action Item 30 envisions the County will “Pilot high performance building standards for new County buildings beyond the current LEED Gold standard, such as Passive House, Zero Net Energy, Net Zero Water, Net Zero Waste...” (Draft Plan at 50.) The Center urges the Plan to require more than just a “pilot” for Zero Net Energy and instead move forward with policies and standards to require zero net energy for new construction.

Zero net energy is feasible, as other projects in the County that have recently been approved include a goal of zero net greenhouse gas emissions. Such projects intend to achieve that goal through reducing onsite greenhouse gas emissions to the greatest extent practicable, but also by offsetting any other emissions through local emissions reductions projects.²

D. The Center Supports Goal 3 and Urges Concrete and Enforceable Policies to Limit Sprawl Development.

The Center strongly supports the Draft Plan’s goal of equitable and sustainable land use and development without displacement. (Draft Plan at 58.) The Center agrees that the way the County “choose[s] to direct that growth has huge implications for the environment, the economy and social equity.” (*Id.*) Likewise, the Center agrees:

Patterns of exurban sprawl and development in high-hazard areas can place major burdens on our infrastructure and public budgets, especially for unincorporated communities where the County of Los Angeles acts as the municipal service provider. Outward growth limits the resources we could otherwise be investing in our existing communities, where we can promote sustainability, health and well-being by improving walkability and promoting a mixture of uses.

(Draft Plan at 58.) The Draft Plan is correct that exurban sprawl imposes a hidden tax on existing communities. Studies recognize that sprawl “may deprive the poor of economic

² See California Department of Fish and Wildlife, *Newhall Ranch Resource and Development Management and Development Plan, Final Additional Environmental Analysis*, Appendix 2.1, available at http://planning.lacounty.gov/assets/upl/case/tr_53108_appendix-2-0-cdfw-final-aea-excerpts.pdf.

opportunity...when jobs, stores, good schools and other resources migrate outward from the core city, poverty is concentrated in the neighborhoods that are left behind.” (Frumkin 2002.) Studies also show that sprawl disproportionately increases costs on local government through increased infrastructure costs. (Litman 2015.) One study found that the external costs of sprawl are around \$500 billion annually and \$650 billion internally. (*Id.*) Sprawl also has significant equity implications—“the abandonment of the metropolitan core leaves inner cities and first-ring suburbs struggling to provide adequate services with an eroded tax base even as growth continues on the periphery.” (Belzer 2002.)

The Draft Plan is also correct that “[u]rban sprawl generally requires expensive and expansive infrastructure networks that drain resources and contribute significantly to greenhouse gas emissions.” (Draft Plan at 60.)

Unfortunately, with the exception of Supervisor Kuehl, the Board has not shown they are serious about curbing urban sprawl. County supervisors just approved one of the biggest urban sprawl projects in California history last month, the 12,000-acre Centennial Specific Plan, on remote wildlands in the northern corner of the County. The Center informed the County that Centennial would result in less investment in existing communities and—as observed by the developer’s own consultants—draw demand away from existing communities in Santa Clarita and San Fernando. The development would also require the construction of a new six-lane freeway (the Northwest 138 Corridor “Improvement Project”), at an initial cost to taxpayers of \$830 million.

The Board also just approved the 1,300-acre Northlake development over the objection of the Santa Monica Mountains Conservancy (and the Center). That project will pave over pristine wildlands, inhibit wildlife connectivity in the region, and disproportionately contribute to greenhouse gas emissions, traffic, and air pollution.

If the County is serious about ending its historical pattern of approving more development in the county’s diminishing wildlands and rangelands, then it needs to adopt strong enforceable policies to meet this goal. Action 44 is a step in the right direction. The Draft Plan states, “Prohibit the conversion of working lands to residential uses, including farms and rangelands.” (Draft Plan at 60.) Such a policy—if it were actually consistently enforced—would be a strong step forward in protecting the County’s natural resources.

E. The Center Supports the Draft Plan’s Target to Limit Discretionary Development in High Fire Areas.

We support Strategy 3E—limiting development in high fire areas. The science is clear that we can no longer continue building new large-scale development in high fire areas. In Southern California, sprawl developments with low/intermediate densities extending into chaparral and sage scrub habitats that are prone to fire have led to more frequent wildfires caused by human ignitions, like arson, improperly disposed cigarette butts, debris burning, fireworks, campfires, or sparks from cars or equipment (Keeley et al. 1999; Keeley and Fotheringham 2003; Syphard et al. 2007; Syphard et al. 2012; Bistinas et al. 2013; Balch et al. 2017; Radeloff et al. 2018). Human-caused fires account for 95% of all fires in Southern California (Syphard et al.

2013), and homes filled with petroleum-based products, such as wood interiors, paint, and furniture, provide additional fuel for the fires to burn longer and spread farther (Keeley et al. 2007). The most numerous and largest fires in Southern California have been caused by equipment and powerlines in the wildland-urban interface, where housing density is low to intermediate (Syphard and Keeley 2015), and leapfrog developments have been found to have the highest predicted fire risk in the County (Syphard et al. 2013).

More development in high fire areas such as chaparral and sage scrub would lead to a dangerous feedback loop of deadly fires and habitat destruction. These habitats are adapted to infrequent (every 30 to 150 years), large, high-intensity crown fire regimes (Pyne et al. 1996; Keeley and Fotheringham 2001), and if these regimes are disrupted, the habitats become degraded (Keeley 2005, 2006a,b; Syphard et al. 2018). When fires occur too frequently, type conversion occurs and the native shrublands are replaced by non-native grasses and forbs that burn more frequently and more easily, ultimately eliminating native habitats and biodiversity while increasing fire threat over time (Keeley 2005, 2006a,b; Syphard et al. 2009; Safford and Van de Water 2014; Syphard et al. 2018). Thus, placing developments in these high fire-prone areas will lead to more frequent fires while degrading the health and biodiversity of Southern California’s ecosystems.

Nonetheless, the “actions” in the Draft Plan do not set forth a clear plan to actually limit development in high fire areas. In particular, while the Countywide “Target” states “no new discretionary development in high hazard areas” by 2025, there is no “action” proposed to meet this target. (Draft Plan at 70.) Instead, as mentioned above, the County has been approving large-scale development such as Centennial and Northlake in high fire areas. By approving entitlements for these projects now despite the science showing such development is dangerous, costly, and environmentally harmful, the County is ensuring large-scale development will continue in fire-prone areas for many years.

F. The Center Strongly Supports Goal 5 and Urges The County To Develop a Wildlife Connectivity Ordinance

The Center strongly supports the Draft Plan’s goal of thriving ecosystems, habitats, and biodiversity. (Draft Plan at 78.) To realize this goal, the Plan must consider the issue of wildlife connectivity and the effects of suburban development on wild areas, as explained below.

Habitat Connectivity Is Essential for Wildlife Movement and Biodiversity Conservation.

Habitat connectivity is vital for wildlife movement and biodiversity conservation. Limiting movement and dispersal with barriers (*e.g.*, development, roads, or fenced-off croplands) can affect animals’ behavior, movement patterns, reproductive success, and physiological state, which can lead to significant impacts on individual wildlife, populations, communities, and landscapes (Trombulak and Frissell 2000; Tewksbury et al. 2002; Cushman 2006; van der Ree et al. 2011; Haddad et al. 2015; Ceia-Hasse et al. 2018). Individuals can die off, populations can become isolated, sensitive species can become locally extinct, and important ecological processes like plant pollination and nutrient cycling can be lost. In addition, connectivity between high quality habitat areas in heterogeneous landscapes is important to

allow for range shifts and species migrations as climate changes (Heller and Zavaleta 2009, Cushman et al. 2013). Lack of wildlife connectivity results in decreased biodiversity and degraded ecosystems. Thus, preserving and maintaining natural and created corridors is critical for species and habitat conservation in fragmented landscapes (Gilbert-Norton et al., 2010).

Wildlife connectivity and migration corridors are important at the local, regional, and continental scale. Local connectivity that links aquatic and terrestrial habitats would allow various sensitive species to persist, including state- and federally-protected California red-legged frogs (*Rana draytonii*), arroyo toads (*Anaxyrus californicus*), and other species. At a regional scale, medium- and large-sized mammals that occur in Los Angeles County, such as mountain lions (*Puma concolor*), bobcats (*Lynx rufus*), gray foxes (*Urocyon cinereoargenteus*), ring-tailed cats (*Bassariscus astutus*), and mule deer (*Odocoileus hemionus*), require large patches of heterogeneous habitat to forage, seek shelter/refuge, and find mates.

Climate Change Is Likely to Significantly Alter Wildlife Behavior and Movement.

A strong, international scientific consensus has established that human-caused climate change is causing widespread harms to human society and natural systems, and climate change threats are becoming increasingly dangerous. In a 2018 *Special Report on Global Warming of 1.5°C* from the Intergovernmental Panel on Climate Change (IPCC), the leading international scientific body for the assessment of climate change describes the devastating harms that would occur at 2°C warming, highlighting the necessity of limiting warming to 1.5°C to avoid catastrophic impacts to people and life on Earth (IPCC 2018). In addition to warming, many other aspects of global climate are changing. Thousands of studies conducted by researchers around the world have documented changes in surface, atmospheric, and oceanic temperatures; melting glaciers; diminishing snow cover; shrinking sea ice; rising sea levels; ocean acidification; and increasing atmospheric water vapor (USGCRP, 2017).

Climate change is increasing stress on species and ecosystems, causing changes in distribution, phenology, physiology, vital rates, genetics, ecosystem structure and processes, and increasing species extinction risk (Warren et al., 2011). A 2016 analysis found that climate-related local extinctions are already widespread and have occurred in hundreds of species, including almost half of the 976 species surveyed (Wiens 2016). A separate study estimated that nearly half of terrestrial non-flying threatened mammals and nearly one-quarter of threatened birds may have already been negatively impacted by climate change in at least part of their distribution (Pacifici et al. 2017). A 2016 meta-analysis reported that climate change is already impacting 82 percent of key ecological processes that form the foundation of healthy ecosystems and on which humans depend for basic needs (Scheffers et al. 2016). Genes are changing, species' physiology and physical features such as body size are changing, species are moving to try to keep pace with suitable climate space, species are shifting their timing of breeding and migration, and entire ecosystems are under stress (Cahill et al., 2012; Chen et al., 2011; Maclean & Wilson, 2011; Parmesan, 2006; Parmesan & Yohe, 2003; Root et al., 2003; Warren et al., 2011). As such, it is imperative that current and future land use planning consider the impacts of climate change on wildlife movement.

Corridor Redundancy Helps Retain Functional Connectivity and Resilience.

Corridor redundancy (*i.e.* the availability of alternative pathways for movement) is important in regional connectivity plans because it allows for improved functional connectivity and resilience. Compared to a single pathway, multiple connections between habitat patches increase the probability of movement across landscapes by a wider variety of species, and they provide more habitat for low-mobility species while still allowing for their dispersal (Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008). In addition, corridor redundancy provides resilience to uncertainty, impacts of climate change, and extreme events, like flooding or wildfires, by providing alternate escape routes or refugia for animals seeking safety (Cushman et al., 2013; Mcrae et al., 2008; Mcrae et al., 2012; Olson & Burnett, 2013; Pinto & Keitt, 2008).

Human Development and Associated Noise and Lighting Can Interfere with the Behavior of Local Wildlife Such as Mountain Lions.

Human development and associated noise can degrade adjacent wildlife habitat and behavior. (*See, e.g.,* Slabbekoorn 2008.) For instance, field observations and controlled laboratory experiments have shown that traffic noise can significantly degrade habitat value for migrating songbirds. (Ware et al. 2015.) This finding followed lab results indicating that subjects exposed to 55 and 61 dBA simulated traffic noise exhibited decreased feeding behavior and duration, as well as increased vigilance behavior. (*Id.*) Such behavioral shifts increase the risk of starvation, thus decreasing survival rates. A recent study also highlighted the detrimental impacts of siting development near areas protected for wildlife. The study noted that “Anthropogenic noise 3 and 10 dB above natural sound levels . . . has documented effects on wildlife species richness, abundance, reproductive success, behavior, and physiology.” (Buxton, et al.) The study further noted that “there is evidence of impacts across a wide range of species [] regardless of hearing sensitivity, including direct effects on invertebrates that lack ears and indirect effects on plants and entire ecological communities (e.g., reduced seedling recruitment due to altered behavior of seed distributors).” (*Ibid.*) Moreover, human transportation networks and development resulted in high noise exceedances in protected areas. (*Ibid.*)

There also is strong evidence documenting the effects of human activity specifically on mountain lions. One study found that mountain lions are so fearful of humans and noise generated by humans that they will abandon the carcass of a deer and forgo the feeding opportunity just to avoid humans. (Smith 2017.)³ The study concluded that even “non-consumptive forms of human disturbance may alter the ecological role of large carnivores by affecting the link between these top predators and their prey.” (Smith 2017.) In addition, the study found that mountain lions respond fearfully upon hearing human vocalizations. Another study demonstrates that mountain lions exposed to other evidence of human presence (lighting, vehicles, dogs) will impact mountain lion behavior. (Wilmers 2013.) Other studies documented diet shifts in mountain lions near human development, and recommended minimizing any development in mountain lion habitat. (Smith 2016; *see also* Smith 2015.)

³ *See also* Sean Greene, “How a fear of humans affects the lives of California's mountain lions,” *Los Angeles Times* (June 27, 2017), available at <http://beta.latimes.com/science/sciencenow/la-sci-sn-pumas-human-noise-20170627-story.html>.

Additional studies similarly documented that mountain lions avoid “urban, agricultural areas, and roads and prefer[] riparian areas and more rugged terrain.” (Zeller 2017; *see also* Vickers 2015.) One study found that over half (55 percent) of radio collared mountain lions in urban areas did not survive, and the majority were killed by humans either by vehicle strikes or using depredation permits. (Vickers 2015.) As such, the Plan should include policies to minimize development in open space areas, as “edge effects” from such development can interfere with animal behavior and movement.

Creating and Enhancing Wildlife Crossings Is Critical to Maintaining Healthy Ecosystems.

We recommend that the Draft Plan include stronger policies to promote wildlife movement and/or include a goal to develop a county wildlife connectivity ordinance. Enhanced connectivity helps sustain functional ecosystems and ensure public safety. Although natural, existing corridors in fragmented landscapes have been shown to have more wildlife movement compared to created corridors (Gilbert-Norton et al., 2010), crossing structures combined with setbacks at the entrances and exits are useful as retroactive restoration in areas where existing roads have high incidence of wildlife vehicle conflict or where species movement has been severely impacted. When appropriately implemented, wildlife crossing infrastructure has been shown to improve wildlife permeability and reduce wildlife vehicle collisions (Bissonette & Rosa, 2012; Dodd Jr. et al., 2004; Dodd et al., 2012; Kintsch et al., 2018; Sawaya et al., 2014; Sawyer et al., 2012).

Outside of California many other states and jurisdictions have been proactively addressing wildlife connectivity issues. For example, Arizona, Colorado, and Wyoming have seen 80-96% reductions in wildlife vehicle collisions while gradually increasing the level of wildlife permeability over time (it appears that some species take more time than others to adapt to crossings) on sections of highways where they have implemented wildlife crossing infrastructure, such as underpasses, culverts, overpasses, wildlife fencing, and escape ramps (Dodd et al., 2012; Kintsch et al., 2017; Kintsch et al., 2018; Sawyer et al., 2012). Utah just completed the state’s largest wildlife overpass at Parleys Canyon for moose, elk, and deer. Washington State is about to complete its largest wildlife overpass on I-90, which is anticipated to provide habitat connectivity for a wide variety of species between the North and South Cascade Mountains. The overpass cost \$6.2 million as part of a larger \$900 million expansion project that will include multiple wildlife crossings along a 15-mile stretch of highway. Savings from less hospital bills, damage costs, and road closures from fewer wildlife vehicle collisions will make up those costs in a few years (Valdes 2018). State and local officials are actively pursuing these types of projects because of the benefits for wildlife connectivity, public safety, and the economy. And in neighboring Ventura County, the Board of Supervisors recently adopted a first-of-its-kind ordinance to protect wildlife connectivity.

The Draft Plan Should Provide Clear Action Items To Support Wildlife Connectivity

We are concerned that the action items proposed in the Draft Plan are insufficient to support Goal 5. In particular, lacking from the action items is any clear plan for ensuring habitat connectivity within the region.

Instead, it appears that the County has not prioritized this issue. For instance, the County General Plan EIR anticipated a significant adverse effect on wildlife movement.⁴ The California Department of Fish and Wildlife (“CDFW”) urged the County to develop mitigation opportunities for wildlife connectivity, since such “opportunities for wildlife corridors and nursery sites are best established during large scale planning efforts such as this General Plan.” CDFW noted that “Wildlife corridor areas can be delineated and set aside in the General Plan for current and future conservation efforts. An assessment could be placed on development within the Project area to secure the acquisition of these critical linkages and sites, therefore reducing impacts to wildlife corridors and nursery sites and ensuring biological diversity.”⁵ The County did not implement CDFW’s recommendations.

The Plan should include a goal to develop a wildlife connectivity ordinance. Moreover, while the proposed “actions” to support Goal 5 are all helpful measures, more is needed. The Plan should incorporate policies that support an “urban growth boundary.” Urban growth boundaries have been used in other jurisdictions as a tool to encourage development in or near existing communities while leaving natural areas undeveloped. Without a clearly defined urban growth boundary, developers will continue to propose—and the Board will continue to approve—development in wild and fire-prone areas, which will further inhibit wildlife connectivity while increasing traffic and air pollution.

G. The Center Supports Goals 7 and 8 and Encourages Stronger Policies To Reduce VMT.

We support Goals 7 and Goal 8—a fossil fuel-free LA County with convenient, safe and affordable transportation that reduces car dependency. However, the targets and associated actions do not include sufficiently ambitious goals to reduce vehicle miles travelled (“VMT”). The Draft Plan’s aims for “[a]t least 15% of all trips will be by foot, bike, micromobility, or public transit.” (Draft Plan at 108.) This means that even if this target is met, in six years 85 percent of trips in the County will still be by car. The Draft Plan should call for much stronger measures to reduce single occupancy vehicle trips and VMT. The best way to do this is to limit development in areas far from existing cities that generate high VMT and limit new freeway development, which induces additional VMT.

The December 2018 Technical Advisory issued by the Governor’s Office of Planning and Research (the “VMT Report”)⁶ contains helpful guidance and analysis that could be

⁴ County of Los Angeles, *Los Angeles County General Plan Update Draft Environmental Impact Report* (June 2014), available at http://planning.lacounty.gov/assets/upl/project/gp_2035_deir.pdf.

⁵ County of Los Angeles, *Los Angeles County General Plan Update Final Environmental Impact Report* (March 2015), available at http://planning.lacounty.gov/assets/upl/project/gp_2035_lac-gpu-final-eir-final.pdf.

⁶ The VMT Report is available at http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf.

incorporated into the Draft Plan. For instance, the VMT Report states that land use decisions to reduce GHG emissions associated with the transportation sector are crucial in order to meet the GHG reductions set forth in SB 375. (VMT Report at 3.) The VMT Report further notes that California cannot meet its climate goals without curbing single-occupancy vehicle activity; land use patterns and transportation options will need to change to support reductions in VMT. (*Id.* at 10.) The VMT Report also proposes a “per capita” or “per employee” threshold of 15 percent below existing development as a reasonable threshold. (*Id.* at 10.) The VMT Report reiterates the conclusion of the California Air Resources Board that “there is a gap between what SB 375 can provide and what is needed to meet the State’s 2030 and 2050 goals.” (*Id.*)

The VMT Report confirms that VMT-intensive development impacts human health and the environment: “Human health is impacted as increases in vehicle travel lead to more vehicle crashes, poorer air quality, increases in chronic diseases associated with reduced physical activity, and worse mental health. Increases in vehicle travel also negatively affect other road users, including pedestrians, cyclists, other motorists, and many transit users. The natural environment is impacted as higher VMT leads to more collisions with wildlife and fragments habitat. Additionally, development that leads to more vehicle travel also tends to consume more energy, water, and open space (including farmland and sensitive habitat). This increase in impermeable surfaces raises the flood risk and pollutant transport into waterways.” (VMT Report at 3.) As such, if the County took strong steps to reduce VMT, it would have co-benefits of better air quality, decreased chronic disease, decreased wildlife-vehicle collisions, and less habitat fragmentation.

The VMT Report further states that roadway expansion projects can induce substantial VMT such that the environmental reviews should incorporate quantitative estimates of induced VMT. (VMT Report at 23.) The VMT Report explains that “[b]uilding new roadways, adding roadway capacity in congested areas, or adding roadway capacity to areas where congestion is expected in the future, typically induces additional vehicle travel.” (*Id.* at 24.) The Plan should thus contain policies to discourage unnecessary highway development and instead focus infrastructure resources on alternative transportation projects.

H. Conclusion

Thank you for the opportunity to submit comments on the Draft Plan. Again, the Center strongly supports the goals of the Draft Plan. But if the goals in the plan are not supported by clear and enforceable policies, then the final Plan will be ineffective in achieving these goals.

Los Angeles County’s traffic jams, air pollution, fragmented wildlife habitat, and diminishing wildlands are a legacy of poor planning decisions made by local officials, often made under pressure from profit-driven developers. Unfortunately Los Angeles County and its Board have continued to approve costly, dangerous, and environmentally-damaging development despite (1) strong public opposition and (2) science confirming that such development is inappropriate in light of the climate crisis, extinction crisis, and the risks of building in fire-prone landscapes.

The Center urges the Chief Sustainability Office and Board to use this Plan as a means to establish a new vision for Los Angeles County that supports healthy communities and healthy wildlands. For such a vision to become reality, it must be supported by clear, binding, and legally enforceable policies. As long as such policies are vague or absent, developers will continue proposing—and officials will likely keep approving—projects that take the county in the wrong direction.

Please do not hesitate to contact the Center at the number or email listed below.

Sincerely,



J.P. Rose
Staff Attorney
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LETTER CBD 2 CENTER FOR BIOLOGICAL DIVERSITY

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This letter was submitted outside the public comment period on the Draft EIR. A summary of the following responses was e-mailed to the commenter on July 24, 2020.

Response CBD 2-1

The comment provides introductory remarks and states that the Southern California Association of Governments (SCAG) should postpone the May 7th hearing on the Connect SoCal 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy Plan (Plan) and the associated Final Program Environmental Impact Report (FEIR), and further requests a recirculation of the PEIR. Individual comments are responded to below.

On May 7, 2020, the SCAG Regional Council certified the PEIR for Connect SoCal and approved Connect SoCal for federal transportation conformity purposes only, in order to meet the federal transportation conformity deadline. In light of requests to delay consideration of Connect SoCal due to the COVID-19 pandemic, the Regional Council also delayed approval of Connect SoCal for all other purposes, for up to 120 days. This period allowed SCAG to work with stakeholders to address issues raised concerning Connect SoCal and make refinements to the Plan and prepare a PEIR Addendum. On June 5, 2020, SCAG received the transportation conformity approval from the Federal Highway Administration and Federal Transit Administration. In the PEIR Addendum, SCAG expands upon the existing setting and impact analysis discussions and presents refined mitigation measures in response to CBD comments. This new information and refined mitigation measures included in the PEIR Addendum do not result in any of the following:

- One or more significant effects not discussed in the PEIR.
- Substantial increase in the severity of a previously identified significant effect.
- New mitigation measures or alternatives that were previously found not to be feasible would be, in fact, be feasible and would substantially reduce on or more significant effects of the project but are declined to be adopted by the project proponent.

- Mitigation measures or alternatives that are considerably different from those analyzed in the PEIR that would substantially reduce one or more significant effects but are declined to be adopted.

In general, the new information updates regulatory information, expands/clarifies environmental setting information, further clarifies the significant impacts already identified in the PEIR and refines mitigation measures to provide more detail as to how SCAG will carry out their role and provides more options for project-level mitigation.

Response CBD 2-2

The comment provides introductory remarks highlighting the background on the Center for Biological Diversity (CBD).

Response CBD 2-3

The comment states that the FEIR fails to adequately analyze or mitigate the Plan's impacts of nitrogen deposition on sensitive habitats and listed species. The commenter retained Stuart B. Weiss, Ph.D., and Travis Longcore, Ph.D., to evaluate the impacts of nitrogen deposition from transportation on sensitive habitats and species, included as Exhibit A to their letter. The analysis concludes the following: deposition of nitrogen on natural lands represents a significant threat to sensitive resources; the expansion of the transportation system associated with the Plan may increase deposition of nitrogen; and the FEIR does not assess the impacts of nitrogen deposition on sensitive natural resources, including listed species. Specifically, nitrogen deposition has the potential to impact the western Joshua tree, which is currently being considered for listing under the California Endangered Species Act (CESA). The California Fish and Game Commission (CFGC) is expected to vote on the Joshua tree's listing on August 19 - 20, 2020. The commenter states that the FEIR must analyze this issue and coordinate with the California Department of Fish and Wildlife (CDFW) to ascertain whether an incidental take permit is required.

SCAG has reviewed the included materials specific to nitrogen deposition and listed species. The complex science behind the release of nitrogen oxides (NOx) and their effect on sensitive habitats and species is not well documented. Nitrogen oxides (NOx) are released in the air through the burning of fossil fuels, agricultural fertilizer application, and livestock waste.¹ NOx emissions react with dust or dissolve into rainwater and fall onto ecosystems as reactive nitrogen (Nr) deposition.² Reactive nitrogen is a term used for nitrogen compounds that support plant growth either directly or indirectly. An increase in nitrogen inputs can lead to soil and water acidification, plant nutrient imbalances, declines in plant health, changes

¹ Science News. 2016. *Study finds wide-reaching impact of nitrogen deposition on plants*. Available online at: <https://www.sciencedaily.com/releases/2016/03/160330174216.htm>

² National Park Service. *Studying Reactive Nitrogen Deposition*. Available online at: https://www.nps.gov/articles/cave_n_study.htm

in species composition, increases in invasive species, increased susceptibility to secondary stresses (i.e. freezing, drought, and insect outbreaks). Nitrogen saturation occurs in areas where nitrogen exceeds the plant and microbial demand.³ In areas with nitrogen deficiencies, nitrogen deposition can be beneficial. Specifically, areas can see increases in forest growth, carbon sequestration, and stand health in general.⁴

Oxidized nitrogen is produced from the burning of fossil fuels as well as natural sources such as lightning, forest fires and bacterial decay.⁵ Oxidized nitrogen include nitric acid (HNO₃), nitric oxide (NO), nitrogen dioxide (NO₂), ammonia (NH₃), and particulate nitrate (NO₃).⁶ Reduced nitrogen is primarily emitted from agricultural systems but also from automobiles. Reduced nitrogen includes NH₃ and particulate ammonium (NH₄).⁷

The commenter notes two species that will be impacted by nitrogen deposition: the western Joshua tree and the Quino checkerspot butterfly. The western Joshua tree is currently being considering for listing under CESA. The CFGC is expected to vote on August 20th to decide whether to consider the CBD's petition to list the tree.⁸ Within Joshua Tree National Park, nitrogen deposition is occurring from both automobile and powerplant pollution from the Los Angeles area and ammonia from agricultural sources in the Coachella and Imperial Valleys.⁹ The Quino checkerspot butterfly was listed on the Federal Endangered Species Act in 1997. The CBD released a petition to list the Quino checkerspot butterfly as endangered under CESA on June 29, 2020.¹⁰

As stated above, vehicles powered by internal combustion engines (i.e., gasoline or natural gas-powered vehicles) emit nitrogen oxides (NO_x) produced by high temperature combustion. As stated in Section 3.3, Air Quality, of the PEIR, vehicular NO_x emissions are regulated by CARB. In general, vehicular NO_x

³ Pardo, L.H. 2010. USDA. *Assessment of Nitrogen Deposition Effects and Empirical Critical Loads of Nitrogen for Ecoregions of the United States*. Available online at: https://www.nrs.fs.fed.us/pubs/gtr/gtr_nrs80.pdf

⁴ National Park Service. *Studying Reactive Nitrogen Deposition*. Available online at: https://www.nps.gov/articles/cave_n_study.htm.

⁵ EPA Enviroatlas. *Total Annual Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualNitrogenDeposition.pdf>.

⁶ EPA Enviroatlas. *Total Annual Oxidized Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualOxidizedNitrogenDeposition.pdf>

⁷ EPA Enviroatlas. *Total Annual Reduce Nitrogen Deposition*. Available online at: <https://enviroatlas.epa.gov/enviroatlas/DataFactSheets/pdf/ESN/TotalAnnualReducedNitrogenDeposition.pdf>

⁸ Sahagun, Louis. 2020. Los Angeles Times. *Worries mount in Yucca Valley that Joshua trees will be designated an endangered species*. Available online at: <https://www.latimes.com/environment/story/2020-07-03/worries-mount-in-yucca-valley-that-joshua-trees-will-be-designated-an-endangered-species>.

⁹ Allen, E.B., L.E. Rao, R.J. Steers, A. Bytnerowicz, and M.E. Fenn. 2009. Impacts of atmospheric nitrogen deposition on vegetation and soils at Joshua Tree National Park. *The Mojave Desert: Ecosystem Processes and Sustainability*.

¹⁰ <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=180750&inline>

emissions are controlled effectively by catalytic converters. A side effect of catalytic converters is the production of ammonia gas (NH₃); meaning that although total NO_x is going down in response to regulation, NH₃ continues to be produced as vehicles equipped with catalytic converters remain in the fleet. However, there are many variables in the understanding and quantification of NO_x emissions. As stated above, there are no state or federal standards for measuring NH₃ (ammonia gas), and there is only one monitoring station in the entirety of the SCAG region. As such, measurement, and quantification of NH₃ emissions is unreliable. Further, with no national or state standards, there is no threshold for comparison for CEQA purposes. An expanded discussion of nitrogen deposition has been added to **Chapter 3.0, PEIR Clarifications**. Refer to **Chapter 3.0, PEIR Clarifications**.

The relationship between VMT and NH₃ is unclear. While catalytic converters control NO_x emissions, they do produce NH₃. But as more combustion engines are removed from the road and newer models with cleaner technologies increase, including prevalence of electric cars, NH₃ could decrease over the lifetime of the Plan. The Plan supports fleet changes through the inclusion of transportation strategies aimed at electric fleets and other emerging technologies, and in fact, LA Metro, the largest bus fleet in the region, is in the process of phasing out all combustion (gasoline and natural gas) buses from its fleet.

There are numerous protected species in the SCAG Region (see PEIR Tables 3.4-2 and 3.4-3); it is not possible to determine which of these species may be impacted by specific projects (see **Response CBD 1-3** regarding Program and Project EIRs). Rather, the Connect SoCal Plan takes a multi-species benefit approach to conservation, intended to protect and enhance the SCAG region's high-level of biodiversity. While Connect SoCal does not directly reference the western Joshua Tree, the Plan includes key conservation approaches including habitat restoration and an emphasis on urban development. The strategies outlined in the Plan, as well as PEIR mitigation measures, are consistent with the mitigation measures included in the research paper provided by CBD (*Effects of Nitrogen Deposition on Sensitive Species and Habitats Resulting from the Southern California Association of Governments Regional Transportation Plan*). In particular, the cited paper indicates expanding the transportation system may increase deposition of nitrogen. It is important to note that population growth is considered a constant, with or without the Plan, and while VMT as a whole does go up as a result of expanding population, it does not go up as fast as population. Therefore, implementation of the Plan results in reduced per capita VMT. The RTP/SCS focuses on transit and enhancing and making more efficient (through HOT lanes and enhanced goods movement) existing infrastructure to reduce per capita VMT rather than expanding the roadway transportation system which typically increases per capita VMT. The Plan seeks to reduce VMT through a series of land use and transportation strategies. These strategies are further outlined in the Plan and PEIR.

Exhibit A of the commenter's letter noted mitigation implemented by other conservation plans or roadway expansions to reduce the impacts from nitrogen deposition. The mitigation recommended includes funding

for monitoring and management, establishing endowments for funding after project retirement, and the payment of a one-time nitrogen deposition fee based on vehicle trips generated by a project. SCAG has evaluated and reviewed the recommended nitrogen deposition measures and added mitigation measures as applicable; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

See also **Response CBD 1-5** regarding mitigation of sensitive species and habitat loss in general.

Response CBD 2-4

The comment states that human-caused ignitions and the expansion of non-native grasses has led to increased fire activity in the SCAG region which is harmful to biological resources and wildlife.

SCAG and the PEIR recognize the effects wildfires have on degraded air quality, associated health risks, and special status species and how these effects will be exacerbated by climate change (see PEIR pg. 3.3-60, pg. 3.4-63, pg. 3.8-67, and pg. 3.20-10). The PEIR discusses the role human beings play in wildfires (see PEIR pg. 3.20-5).

The Plan aims to address constraints to expansive regional growth. The Plan includes land use strategies to conserve farmland, resources areas and habitat corridors, and guide growth away from lands that are vulnerable to wildfire, flooding, and near-term sea-level rise. The Plan discourages urban sprawl by focusing growth within Priority Growth Areas (PGAs). While PGAs represent only four percent of the region's total land area, implementation of growth strategies will help these areas accommodate 60 percent of the forecasted household growth and 73 percent of forecasted employment growth between 2016 and 2045 (see PEIR pg. 3.11-43).

Connect SoCal also discourages placing homes and people in high fire-prone areas. Connect SoCal emphasizes land use development options that conserve important farmland, resource areas and habitat corridors, and deprioritizes growth on lands that are vulnerable to wildfire, flooding and near-term sea-level rise (pg. 47 of the Plan). The Plan includes the CalFire "Very High Severity Fire Risk" designation as a constrained area (pg. 177 of the Plan). Wildfires are also a factor in the 'Climate Vulnerability' performance measure, which seeks to identify disparities in vulnerability to the impacts of climate change among the various communities in the SCAG region (pg. 147 of the Plan). Connect SoCal's land use strategies were identified with guidance from stakeholders in SCAG's Natural and Farmlands Conservation Working Group as high priorities for conservation based on climate change vulnerability, water quality impacts, and decline of native species (pg. 53 of the Plan).

SCAG is currently developing a Regional Climate Adaptation Framework, which will assist local and regional jurisdictions in managing the negative impacts of wildfires and other hazards caused by climate

change. The Climate Adaptation Framework will integrate existing State initiatives, policies, and guidance into the regional framework, helping to connect local and regional land use and transportation planning with State policy goals. The framework will specifically provide communication & outreach strategies and templates for local jurisdictions; toolkits for local jurisdictions to support project implementation, land use, and transportation infrastructure decisions; resources for cities to comply with Senate Bill 379; resources and templates for other metropolitan planning organizations (MPOs); tools and metrics for tracking implementation progress; and a regional framework and coordination strategy.

Regarding SCAG's land use authority, SCAG does not implement land use development patterns discussed in the Plan. Refer to **Response CBD 2-10** regarding SCAG's authority.

The Natural and Farm Lands Conservation Technical Report outlines Connect SoCal Plan's integrated land use and conservation planning approach and identifies programs (often offered through the greenhouse gas reduction fund) that provide local assistance grants to fire departments within High Hazard Severity Zones to support activities directly related to the reductions of greenhouse gas emissions from uncontrolled wildfires and regional response and readiness (pg. 20 of the Technical Report).

As stated in the Plan, 'greenfield' land consumption refers to new urban development occurring on land that has not previously been developed, or otherwise impacted by, urbanized use, including agricultural lands, forests, deserts and other open spaces. Rural land consumption under Connect SoCal would be substantially less (71 square miles) than build out of the region without the Plan (i.e., RTP Baseline) (100 square miles) (pg. 118 of the Plan). Connect SoCal would reduce greenfield development by 29 percent by focusing new residential and commercial development in higher density areas that are already equipped with the requisite urban infrastructure (pg. 118 of the Plan).

As stated above, Connect SoCal presents a holistic approach to reduce many of the environmental threats indicated in CBD's letter (wildfire risk, nitrogen deposition, species protection). Together, the policies in the Plan aim to reduce environmental threats by focusing development on urban lands. SCAG reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as recommended by CBD as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-5

The comment states that the FEIR fails to adequately assess wildfire risk and the potential impacts of more fire ignitions from placing homes and people in high fire-prone areas. See **Response CBD 2-4** above.

As detailed in **Response CBD 2-4**, the Plan will focus growth in PGA's, thereby reducing urban sprawl and associated fire risks.

The PEIR includes a series of plan-level and project-level mitigation measures to reduce the impacts of wildfire and urban sprawl, see **SMM WF-1** through **SMM WF-3**, **PMM WF-1**, **SMM AG-3**, **SMM AG-4**, and **SMM LU-1**. SCAG welcomes CBD’s participation in the development of programs to further reduce wildfire risk within the plan area. Further, SCAG reviewed the measures suggested by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-6

The comment states that the expansion of sprawl development could lead to a disruption of the natural fire regime and lead to a dangerous feedback loop of deadly fires and habitat destruction.

The PEIR recognizes the increasing hazards posed by climate change and building in proximity to wildlands. California is experiencing longer fire seasons that are extending from summer into December (see PEIR, pg. 3.20-2). The state is also experiencing more severe, large wildfires such as the November 2018 Camp Fire and Woolsey Fire (see PEIR, pg. 3.20-6 and 3.20-12). As discussed in **Response CBD 2-4** and **Response CBD 2-5** the Plan focuses growth in PGAs and will reduce the amount of development in greenfield locations by the horizon year (2045). Moreover, the Plan implements a series of mitigation measures to reduce the risk of exasperating wildfire risks, as detailed in **Response CBD 2-5**. The PEIR also identifies a series of greenhouse gas mitigation measures to limit the Plan’s effects on climate change that can contribute to these large fire events, see **SMM GHG-1** through **SMM GHG-4** and **PMM GHG-1**.

SCAG has also proposed plan-level and project-level mitigation to reduce the impact posed by human induced wildfires which would in turn reduce impacts to special status species, see **SMM WF-1** through **SMM WF-3** and **PMM WF-1** through **PMM WF-2**. The commenter’s May 1, 2020, and the May 6, 2020, letters have provided SCAG with suggested mitigation measures to reduce the risk posed to mountain lions from wildfire. SCAG has evaluated these measures and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-7

The comment states that the FEIR failed to adequately assess and mitigate the potential health and air quality impacts posed from increased smoke from human-caused ignitions.

The PEIR addresses wildfires within Section 3.3, Air Quality, noting that emissions from wildfires contribute a substantial amount of pollutants to the atmosphere, but are unaccounted for within air quality management plan (AQMP). They are not included within these plans because wildfires are part of the U.S. EPA’s Exceptional Events Rule and are not considered for NAAQS attainment status (see PEIR, pg. 3.3-60).

The emissions from wildfires are unpredictable year to year and it is not feasible to estimate their contribution to regional air quality, the Plan's Public Health Technical Report includes a discussion about how climate change can lead to air pollution through the increased frequency of wildfires. As stated by the Plan, wildfires can lead to the formation of excess air pollutants including carbon dioxide, fine particulate matter, and ground-level ozone (see Plan's Public Health Technical Report, pg. 27). In order to reduce the risk posed by wildfires and reduce the risk of wildfire pollutants impacting human health, the Plan focuses growth in PGA's and discourages development in fire-prone areas or natural lands.

The PEIR includes a series of plan-level and project-level mitigation measures to reduce the impacts of wildfire and air pollution, see **SMM WF-1** through **SMM WF-3**, **SMM AQ-1** through **SMM AQ-3**, and **PMM AQ-1**. The comments provide a series of plan- and project-level mitigation aimed at reducing wildfire risks. Further, SCAG reviewed these suggested measures and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-8

The comment states that the FEIR fails to assess and mitigate the impact of increased wildfires on fire protection services and utilities.

The California Department of Forestry and Fire Protection (CAL FIRE) is the state's fire protection agency responsible for protecting natural resources from fire on land designated by the State Board of Forestry as State Responsibility Areas. This includes approximately 31 million acres of the state's privately-owned wildlands. California has faced more intense fire seasons in recent years, see **Response CBD 2-6**. In order to support CAL FIRE, the state issued Executive Order (EO) N-16-19, Assembly Bill (AB) 1116, and Senate Bill (SB) 542 and increased the state budget dedicated to CAL FIRE. See **Chapter 3.0, PEIR Clarifications**, for additional information related to CAL FIRE.

The effect of wildfire season on the funding and mental health of firefighters is a socioeconomic issue that is not a topic addressed by CEQA unless it were to result in physical environmental impacts. Any potential for funding issues and firefighter mental health to result in physical impacts is speculative and is therefore, not appropriately discussed in the PEIR. The Plan provides strategies for coordinating with state and regional agencies on wildfire readiness. To the extent that the Plan has the potential to affect wildfires and cause physical environmental impacts, such impacts are evaluated in the PEIR (refer to PEIR 3.3-79). Providing a mechanism for developers to reimburse Cal Fire is also beyond the limits of SCAG's authority.

See **Response CBD 2-4** and **Response CBD 2-5**. The Plan focuses growth on PGA's and implementation of the Plan will reduce the planned development on greenfield, which will reduce urban sprawl and human-induced wildfire impacts. The comments provide a series of plan- and project-level mitigation aimed at

reducing wildfire risks and the financial burden to CAL FIRE. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-9

The comment states that mitigation measures **SMM WF-1** through **SMM WF-3** are insufficient to mitigate the increased risk of human ignitions and the increased strain on firefighting resources created from the Plan's sprawl in fire-prone areas.

As discussed in **Response CBD 2-4** and **Response CBD 2-5**, the Plan focuses growth on PGA's and implementation of the Plan will reduce the planned development on greenfield, which will reduce urban sprawl and human-induced wildfire impacts. The PEIR includes a series of plan-level and project-level mitigation measures to reduce the impacts of wildfire, see **SMM WF-1** through **SMM WF-3**. The comments provide a series of plan- and project-level mitigation aimed at reducing wildfire risks. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-10

The comment asserts that the CBD disagrees that SCAG has no authority or obligation to impose specific mitigation measures or standards on projects included in the Plan. Refer to **Response to CBD 1-4**.

See also **Response CBD 2-4**. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-11

The comment asserts that the baseline used within the FEIR may not comply with CEQA.

See **Response CBD 1-17** regarding baseline. The environmental baseline as used in the PEIR is, in fact, the existing physical conditions, i.e., the condition on the ground as of 2019. Only those projects that are existing and operational today are considered in the environmental baseline. However, the RTP baseline is different (referred to as the 2045 No Project in the PEIR) and includes transportation projects underway. This difference is to account for the federal requirements for RTPs, which require a baseline that shows the difference between a plan and no plan scenario. The alternatives analysis also appropriately compares 2045 conditions to existing conditions.

Response CBD 2-12

The commenter states that the FEIR's GHG is incomplete and inadequate as the FEIR bases its goals and targets on CARB vehicle emissions reductions.

The PEIR analyzes potential impacts from the Plan utilizing available sources of data and models. SCAG recognizes that there are limitations on the scope of analysis for the PEIR. The PEIR focuses on regional conditions affected by activities related to Plan implementation relating to air basins, streams and watersheds, and localized conditions including impacts on cultural and biological resources. The global consequences of regional GHG emissions are dependent on a wide range of factors such as the willingness of federal, state, regional and local governments in the United States and worldwide to adopt and implement meaningful measures to reduce GHG emissions within their authority/jurisdiction; the development and deployment of technologies that reduce GHG emissions; and the many factors that affect the pricing and availability of fuels that result in GHG emissions such as global conflict and taxes.

Refer to **Response CBD 1-21** regarding the SAFE Rule.

The GHG analysis provided in the PEIR demonstrates a gross estimated reduction in GHG emissions between 2019 and 2045 (see PEIR Table 3.8-8, Greenhouse Gas Emissions All On-Road and Other Transportation Sources by County [CO₂e] Million Metric Tons per Year). This table also provides the analysis of the Plan versus the No Plan 2045 scenarios. As shown in the referenced table, between 2019 and 2045, GHG emission from on-road mobile sources and other transportation sources, inclusive of light and medium duty vehicles and heavy-duty trucks, would decrease by approximately 12 percent (on road only would decrease by approximately 17 percent). See PEIR page 3.8-64.

The PEIR further draws the important connection between VMT and GHG emissions and is clear about SCAG's limits of authority (PEIR page 3.8-78).

Given the state's emphasis on VMT reduction as the only feasible way to achieve additional GHG reductions needed from cars and light-duty trucks, and in recognition of the climate change benefits that occur from reduced VMT resulting in reductions in GHGs, the projected land use pattern proposed under the Plan supports HQTAs. However, SCAG lacks the land use authority to enforce specific land uses. Implementation of the projected land use pattern under the Plan is within the purview of local agencies. Nevertheless, as described in Section 2.0, Project Description, in order to incentivize implementation, SCAG has established several programs that support transit-oriented development in the region. For example: promoting congestion pricing, implementing complete streets strategies, and improving connectivity between existing transit systems.

Response CBD 2-13

The commenter states that the FEIR's GHG mitigation measures are inadequate, unfunded, and unenforceable.

Pursuant to Appendix G of the *CEQA Guidelines*, a significant GHG impact is identified if a project could “conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.” Pursuant to SB 375, the SCS aligns transportation, land use, and housing strategies to meet regional GHG emission reduction targets for cars and light-duty trucks for 2020 and 2035 (compared to 2005 emissions) on a per capita basis. These targets were initially intended to meet the statewide AB 32, SB 32, and Scoping Plan GHG emissions reduction goals for land use-related emissions from cars and light-duty trucks.

The PEIR explains that while Connect SoCal meets the SB 375 targets, CARB has indicated that the regional 2035 GHG emissions reduction targets under SB 375 are not adequate to fully meet the goals of the 2017 Scoping Plan for cars and light-duty trucks. Collectively, CARB determined that if the state’s 18 MPOs all met the SB 375 GHG cars and light-duty trucks emission reduction targets set by CARB in 2018, only a 19 percent reduction in per capita vehicle miles traveled (VMT) from cars and light-duty trucks, would be achieved by 2035 resulting in a 6 percent gap to meet the state’s 25 percent reduction need.

The Governor’s Office of Planning and Research (OPR) and CARB have both provided recommendations for reducing VMT reductions at the project level which could be a means to close the gap between GHG reductions achieved through SCS implementation and the GHG reductions necessary to meet the state’s GHG reduction goals. For example, OPR has provided a recommended threshold of 15 percent VMT reduction at the project level. CARB also recommends project specific VMT reduction thresholds of 16.8 percent reduction from baseline for light-duty vehicle VMT (i.e., passenger cars and light trucks) or a 14.3 percent reduction for total VMT (i.e., all vehicles).

As such, SCAG found that while the Plan meets the SB 375 targets established by CARB, it does not reduce GHG emissions from cars and light-duty vehicles enough to meet the AB 32, SB 32, and Scoping Plan targets. MPOs have no authority to implement VMT reductions. Furthermore, SCAG does not have jurisdiction over other key sectors (e.g., energy, industry, water, waste and agriculture) to address statewide GHG emissions reduction goals. Therefore, the Plan was found to result in a significant and unavoidable GHG impact.

Lead agencies have the discretion to determine whether projects conflict with plans, policies, or regulations adopted for the purpose of reducing GHG emissions including, but not limited to, the SCS, AB 32, SB 32, Scoping Plan, and applicable Climate Action Plans (CAPs). SCAG provided Table 3.8-4 – California Jurisdictions Addressing Climate Change in the SCAG Region (2019) on page 3.8-51, which shows the jurisdictions that have adopted CAPs.

Contrary to CBD's assertions, SCAG has undertaken several planning efforts to assist jurisdictions in developing CAPs.¹¹ The Sustainable Communities Program provides technical assistance to SCAG member jurisdictions to complete planning and policy efforts that enable implementation of the regional SCS. Examples include: Sustainable Land Use Planning, Transit Oriented Development (TOD) and Land Use & Transportation Integration, Bicycle, Pedestrian and Safe Routes to School Plans, Natural Resource Plans, Climate Action Plans (CAPs) and Greenhouse Gas (GHG) Reduction programs.

Additionally, SCAG is developing a Regional Climate Adaptation Framework, which is intended to assist local and regional jurisdictions in managing the negative impacts of climate change. This will look at how the Southern California region can work together to plan and prepare for the impacts of sea level rise, extreme heat, increasingly frequent and damaging wildfires, and other climate-related issues. The PEIR includes the following mitigation measure reflecting SCAG's work to support local greenhouse gas reduction planning:

SMM GHG-1: SCAG, in partnership with local air districts, shall continue to work with the counties and cities to adopt qualified GHG reduction plans (e.g., climate action plans [CAPs], develop GHG-reducing planning policies, and implement local climate initiatives. These reductions can be achieved through a combination of programs, that implement plans developed collaboratively, including ZNE in new construction, retrofits of existing buildings, incentivizing the development of renewable energy sources that serve both new and existing land uses, as well as measures to reduce GHG emissions from transportation sources.

Additionally, SCAG shall continue to update the Green Region Initiative (GRI) Sustainability Indicators Mapping tool, which serves as an interactive information resource for jurisdictions within the SCAG region to measure and track sustainability progress in the region across 12 categories and 29 sustainability indicators. The tool fosters collaboration through the sharing of best practices across the 191 cities and six counties in the SCAG region, and identifies opportunities for improving sustainability practices (due to the recent inclusion of SB 535 Disadvantaged Communities data.

Regarding streamlining, the PEIR states that in order to use the document for streamlining purposes, (PEIR 1-0-18) the lead agency must apply mitigation measures in the PEIR or comparable measures. It is up to the lead agency to determine the appropriate mitigation measure as SCAG recognizes the specifics of the project will dictate the appropriateness of the measure. SCAG provides guidance for project-specific

¹¹ See SCAGs Sustainable Communities Program:
<http://sustain.scag.ca.gov/Pages/Grants%20and%20Local%20Assistance/GrantsLocalAssistance.aspx>

mitigation measures that are performance based commensurate with SCAG's role and authority and regional perspective. It is appropriate and necessary that lead agencies select and tailor mitigation measures based on their judgment as to what constitutes a significant impact and the mitigation measures appropriate to their circumstances.

As discussed above, SCAG encourages and provides funding for individual jurisdictions to develop Climate Action Plans at the local level. *CEQA Guidelines* Section 15183.5 identifies what a plan for the reduction of greenhouse gas emissions should include.

Response CBD 2-14

The commenter asserts that the FEIR does not provide a clear picture of the loss of habitat caused by the Plan.

As detailed in **Response CBD 2-5**, Connect SoCal would reduce greenfield development by 29 percent by focusing new residential and commercial development in higher density areas that are already equipped with the requisite urban infrastructure (pg. 118 of the Plan). As described throughout this document, the Plan includes numerous strategies aimed at reducing "sprawl" development. As stated in the Plan, 'greenfield' land consumption refers to new urban development occurring on land that has not previously been developed, or otherwise impacted by, urbanized use, including agricultural lands, forests, deserts and other open spaces. Rural land consumption under Connect SoCal would be substantially less (71 square miles) than build out of the region without the Plan (i.e., RTP Baseline) (100 square miles) (pg. 118 of the Plan). Connect SoCal would reduce greenfield development by 29 percent by focusing new residential and commercial development in higher density areas that are already equipped with the requisite urban infrastructure (pg. 118 of the Plan).

As stated above, Connect SoCal presents a holistic approach to reduce many of the environmental threats indicated in CBD's letter (wildfire risk, nitrogen deposition, species protection). Together, the policies in the Plan aim to reduce environmental threats by focusing development on urban lands. SCAG has reviewed the suggested mitigation measures provided by CBD and has refined/clarified mitigation measures as appropriate; see PEIR Addendum **Chapter 4.0, Mitigation Measures**.

Response CBD 2-15

The comment provides a conclusion to the CBD's remarks. CBD's letter provides valuable input to the Plan process and SCAG has prepared an Addendum to clarify and expand upon certain information and refined mitigation measures in response to some of the issues raised in the letter.



Connect SoCal PEIR Addendum for the Energy & Environment Committee

Southern California Association of Governments

September 3, 2020

www.scag.ca.gov



Recap of May 7, 2020 Actions



Resolution 20-621-1 approved with the following expectations:

- Consider the short and long-term impacts of COVID-19;
- Work with local jurisdictions to make refinements to the Plan's Growth Forecast in relation to entitlements;
- Identify and quantify all differences within the SCS and locally-approved General Plans;

COVID-19 Outreach Activities

- Regional Planning Working Groups
- Stakeholders
- Focus Groups with CBOs
- Survey and Public Virtual Town-Hall

Technical Refinements to the Growth Forecast

- Outreach to local jurisdictions to review/revise data and ensure entitlements were captured and general plan maximums were reflected

Results of Connect SoCal Outreach



COVID-19 Outreach Activities

- Conducted short term forecast, but long-term forecast is not yet possible, as data is limited.
- SCAG recommends that any impacts from the pandemic be reflected in the 2024 RTP/SCS.

Technical Refinements to the Growth Forecast

- 12 jurisdictions provided feedback – 6 asking for adjustments
- Modeling exercises/Plan refinements resulted in minimal changes.

Comment Letters from the Center of Biological Diversity



- SCAG received two comment letters from the Center of Biological Diversity (CBD) on May 1 and May 6, 2020.
- CBD requested expanded background information be added to the PEIR related to environmental setting, impacts, as well as the consideration of other mitigation measures.
- While SCAG is not obligated to respond to late comments, in the interest of providing as much information to the public as possible, SCAG has addressed CBD's comments.

Key comments from CBD Letters

- Implementation Authority
- Mitigation Measures
- Impacts to Biological Resources
- Air Quality
- Greenhouse Gas Emissions
- Wildfire

Connect SoCal PEIR Addendum



- Staff determined that technical refinements resulted in minimal impacts to Plan performance and still achieve federal air quality conformity and meet the State's greenhouse gas reduction targets for 2020 and 2035.
- Staff determined that clarification and addition of information requested by CBD does not affect the impact analysis discussed in the Final PEIR
- Staff prepared an Addendum to the Connect SoCal PEIR in compliance with the California Environmental Quality Act (CEQA).

Contents of the Addendum

- Connect SoCal PEIR Addendum:
 - Chapter 1.0 Introduction
 - Chapter 2.0 Technical Refinements to the Plan and Environmental Effects
 - Chapter 3.0 PEIR Clarifications
 - Chapter 4.0 Mitigation Measures
 - Appendix A – Response to Center of Biological Diversity Comment Letters
- Standalone documents
 - Revised Mitigation Monitoring and Reporting Program
 - Errata to the Findings

Summary

The technical refinements and incorporation of suggestions from CBD would not result in:

- Substantial changes that require major revisions to the Final PEIR
- Substantial Changes to circumstances, related to significant effects, that require major revisions to the Final PEIR
- New information of substantial importance which was not known and could not have been known at the time the Final PEIR was certified.



Thank You

To learn more about Connect SoCal and the PEIR, please visit:

<http://connectsocal.org>

www.scag.ca.gov





RESOLUTION NO. 20-624-1

A RESOLUTION OF THE SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS (SCAG) ADOPTING THE 2020-2045 REGIONAL TRANSPORTATION PLAN/SUSTAINABLE COMMUNITIES STRATEGY (CONNECT SOCIAL) PROGRAM ENVIRONMENTAL IMPACT REPORT (PEIR) ADDENDUM AND APPROVING CONNECT SOCIAL IN ITS ENTIRETY

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS 900 Wilshire Blvd., Ste. 1700 Los Angeles, CA 90017 T: (213) 236-1800 www.scag.ca.gov

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WHEREAS, the Southern California Association of Governments (SCAG) is a Joint Powers Agency established pursuant to California Government Code Section 6502 et seq.;

WHEREAS, SCAG is the designated Metropolitan Planning Organization (MPO) for the counties of Los Angeles, Riverside, San Bernardino, Ventura, Orange, and Imperial, pursuant to Title 23, United States Code Section 134(d);

WHEREAS, SCAG is responsible for maintaining a continuing, cooperative, and comprehensive transportation planning process which involves the preparation and update every four years of a Regional Transportation Plan (RTP) pursuant to Title 23, United States Code Section 134 et seq., Title 49, United States Code Section 5303 et seq., and Title 23, Code of Federal Regulations Section 450 et seq.;

WHEREAS, SCAG is the multi-county designated transportation planning agency under state law, and as such is responsible for preparing, adopting and updating every four years the RTP and Sustainable Communities Strategy (SCS) pursuant to Government Code Section 65080 et seq.;

WHEREAS, pursuant to Senate Bill 375 (Steinberg, 2008) as codified in Government Code Section 65080(b) et seq., SCAG prepared an SCS as a component of the RTP document that demonstrates how the region will meet its greenhouse gas (GHG) reduction targets as determined by the California Air Resources Board (ARB);

WHEREAS, ARB set the per capita GHG emission reduction targets from automobiles and light trucks for the SCAG region at 8% below 2005 per capita emissions levels by 2020 and 19% below 2005 per capita emissions levels by 2035;

WHEREAS, pursuant to Government Code Section 65080(b)(2)(B), the SCS must: (1) identify the general location of uses, residential densities, and building intensities within the region; (2) identify areas within the region sufficient to house all the population of the region, including all economic segments of the population, over the course of the planning period of the regional transportation plan taking

Attachment: Resolution No. 20-624-1 including Exhibit A (Revised Mitigation Monitoring and Reporting Program) and Exhibit B (Errata to the

into account net migration into the region, population growth, household formation and employment growth; (3) identify areas within the region sufficient to house an eight-year projection of the regional housing need for the region pursuant to Government Code Section 65584; (4) identify a transportation network to service the transportation needs of the region; (5) gather and consider the best practically available scientific information regarding resource areas and farmland in the region as defined in subdivisions (a) and (b) of Section 65080.01; and (6) consider the state housing goals specified in Sections 65580 and 65581, (7) set forth a forecasted development pattern for the region, which, when integrated with the transportation network, and other transportation measures and policies, will reduce the GHG emissions from automobiles and light trucks to achieve the GHG reduction targets approved by the state board, and (8) allow the RTP to comply with air quality conformity requirements under the federal Clean Air Act;

WHEREAS, through the continuing, comprehensive and coordinated transportation planning process in conformance with all applicable federal and state requirement, SCAG developed and prepared the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (“RTP/SCS,” “Connect SoCal” or “Plan”);

WHEREAS, Connect SoCal sets forth the long-range regional plan, policies and strategies for transportation improvements and regional growth throughout the SCAG region through the horizon year of 2045;

WHEREAS, Connect SoCal includes a regional growth forecast that was developed by working with local jurisdictions using the most recent land use plans and policies and planning assumptions;

WHEREAS, Connect SoCal includes a financial plan identifying the revenues committed, available or reasonably available to support the SCAG region's surface transportation investments. The financial plan was developed following basic principles including incorporation of county and local financial planning documents in the region where available, and utilization of published data sources to evaluate historical trends and augment local forecasts as needed;

WHEREAS, Connect SoCal includes a financially constrained plan and a strategic plan. The constrained plan includes transportation projects that have committed, available or reasonably available revenue sources, and thus are probable for implementation. The strategic plan is an illustrative list of additional transportation investments that the region would pursue if additional funding and regional commitment were secured; and such investments are potential candidates for inclusion in the constrained RTP/SCS through future amendments or updates. The strategic plan is provided for information purposes only and is not part of the financially constrained and conforming Connect SoCal;

WHEREAS, Connect SoCal includes a sustainable communities strategy which sets forth a forecasted development pattern for the region, which, when integrated with the transportation network, and other transportations measures and policies, if implemented, will reduce the GHG emissions from automobiles and light trucks to achieve the regional GHG targets set by ARB for the SCAG region;

WHEREAS, Connect SoCal must comply with all applicable provisions of federal and state law including but not limited to:

1. The Moving Ahead for Progress in the 21st Century Act (MAP-21, PL 112-141) and the metropolitan planning regulations at Title 23, United States Code Section 134 et seq., as was amended by the Fixing America's Surface Transportation Act (P.L. 114-94, December 4, 2015);
2. The metropolitan planning regulations at 23 C.F.R. Part 450, Subpart C;
3. California Government Code Section 65080 et seq.; Public Utilities Code Section 130058 and 130059; and Public Utilities Code Section 44243.5;
4. Sections 174 and 176(c) and (d) of the federal Clean Air Act [(42 U.S.C. §§7504 and 7506(c) and (d))] and U.S. Environmental Protection Agency (EPA) transportation conformity regulations, 40 C.F.R. Parts 51 and 93;
5. Title VI of the 1964 Civil Rights Act and the Title VI assurance executed by the State pursuant to Title 23, United States Code Section 324;
6. The Department of Transportation's Final Environmental Justice Strategy (60 Fed. Reg. 33896; June 29, 1995) enacted pursuant to Executive Order 12898, which seeks to avoid disproportionately high and adverse impacts on minority and low-income populations with respect to human health and the environment;
7. Title II of the 1990 Americans with Disabilities Act (42 U.S.C. §§ 12101 et seq.) and its accompanying regulations (49 C.F.R. §§ 27, 37, and 38); and
8. SB 375 (Steinberg, 2008) as codified in California Government Code §65080(b) et seq.;

WHEREAS, pursuant to the California Environmental Quality Act (CEQA) (Cal. Pub. Res. § 21000 et seq.) and CEQA Guidelines (Cal. Code Regs., Tit. 14, §15000 et seq.), SCAG, as the Lead Agency, prepared the Final Program Environmental Impact Report (PEIR) for Connect SoCal;

WHEREAS, SCAG has also prepared and adopted a Mitigation Monitoring and Reporting Program in compliance with Public Resources Code §21081.6 and CEQA Guidelines §15097;

WHEREAS, in non-attainment and maintenance areas for transportation-related criteria pollutants, the MPO, as well as the Federal Highways Administration (FHWA) and Federal Transit Administration (FTA), must make a transportation conformity determination on any updated or amended RTP in accordance with the federal Clean Air Act to ensure that federally supported highway and transit project activities conform to the purpose of the State Implementation Plan (SIP);

WHEREAS, transportation conformity is based upon a positive conformity finding with respect to the following tests: (1) regional emissions analysis, (2) timely implementation of Transportation Control Measures, (3) financial constraint, and (4) interagency consultation and public involvement;

WHEREAS, pursuant to Government Code §65080(b)(2)(F) and federal public participation requirements, including 23 C.F.R. §450.316(b)(l)(iv), SCAG must prepare the RTP/SCS by providing adequate public notice of public involvement activities and time for public review. On September 6, 2018, SCAG approved and adopted a Public Participation Plan, to serve as a guide for SCAG's public involvement process, including the public involvement process to be used for the Connect SoCal, and included an enhanced outreach program that incorporates the public participation requirements of SB 375 and adds strategies to better serve the underrepresented segments of the region;

WHEREAS, pursuant to Government Code §65080(b)(2)(F)(iii), during the summer 2019, SCAG held a series of RTP/SCS public workshops throughout the region, including residents, elected officials, representatives of public agencies, community organizations, and environmental, housing and business stakeholders;

WHEREAS, in accordance with the interagency consultation requirements, 40 C.F.R. §93.105, SCAG consulted with the respective transportation and air quality planning agencies, including but not limited to, extensive discussion of the Draft Connect SoCal Transportation Conformity Technical Report before the Transportation Conformity Working Group (a forum for implementing the interagency consultation requirements) throughout the RTP/SCS update process;

WHEREAS, the Transportation Conformity Technical Report contained in Connect SoCal makes a positive transportation conformity determination. Using the final motor vehicle emission budgets submitted by ARB and approved or found to be adequate by EPA, this conformity determination is based upon staff's analysis of the applicable transportation conformity tests;

WHEREAS, SCAG released the Draft Connect SoCal and the associated Draft Amendment No. 19-12 to the 2019 FTIP for a 60-day public review and comment period that began on November 14, 2019 and ended on January 24, 2020;

WHEREAS, SCAG followed the provisions of its adopted Public Participation Plan regarding public involvement activities for the Draft Connect SoCal and Draft PEIR. Public outreach efforts included publication of the Draft Connect SoCal and Draft PEIR on SCAG's website, distribution of public information materials, held three (3) duly-noticed public hearings (public hearings were video-conferenced to 5 regional offices in different counties), and 21 elected official briefings within the SCAG region to allow stakeholders, elected officials and the public to comment on the Draft Connect SoCal and the Draft PEIR;

WHEREAS, during the public review and comment period, SCAG received 107 verbal and written comment submissions on the Draft Connect SoCal;

WHEREAS, SCAG staff presented an overview of the comments received on the Draft Connect SoCal and Draft PEIR, and a proposed approach to the responses, to the Policy Committees and Regional Council on March 5, 2020;

WHEREAS, comment letters on the Draft Connect SoCal as well as staff responses were posted on the SCAG website on March 27, 2020, and included as part of the Final Connect SoCal, Public Participation and Consultation Technical Report, Appendix 2-4. SCAG also notified all commenters of the availability of the comments and responses;

WHEREAS, on May 7, 2020, SCAG's three Policy Committees met and each recommended that the Regional Council approve Resolution No. 20-621-1 to certify the proposed Final PEIR and approve the proposed Final Connect SoCal for purposes of federal transportation conformity only;

WHEREAS, the Regional Council had the opportunity to review and consider the proposed Final Connect SoCal and its related technical reports in its entirety as well as the staff report related to the proposed Final Connect SoCal, as part of a public meeting held on May 7, 2020;

WHEREAS, on or about May 7, 2020, the Regional Council adopted Resolution No. 20-621-1 wherein it certified the Final PEIR and approved Connect SoCal for federal transportation conformity purposes only, and postponed for up to 120 days approval of Connect SoCal in its entirety and for all other purposes;

WHEREAS, on May 14, 2020, SCAG staff submitted Connect SoCal and 2019 FTIP Amendment No. 19-12 to FHWA and FTA for a final transportation conformity determination in accordance with the Federal Clean Air Act and EPA transportation conformity regulations, 40 C.F.R. Parts 51 and 93;

WHEREAS, on June 5, 2020, FHWA and FTA jointly determined that transportation conformity requirements have been met for Connect SoCal and 2019 FTIP Amendment No. 19-12;

WHEREAS, staff engaged with a diverse array of stakeholders to consider the impacts of COVID-19 on Connect SoCal;

WHEREAS, staff worked with local jurisdictions to restore entitlements and their phasing as conveyed by jurisdictions, and conducted technical analysis to quantify all differences within the SCS and locally-approved General Plans and quantify the increase (or decrease) in housing, jobs or population between Connect SoCal and each local General Plan;

WHEREAS, on July 2, 2020, staff presented to each of the three Policy Committees and the Regional Council, a progress report describing modifications to the SCS and associated modeling and analysis;

WHEREAS, SCAG has prepared an Addendum to the Connect SoCal PEIR (Addendum) to evaluate the technical refinements for Connect SoCal and address two comment letters from the Center of Biological Diversity (CBD) received on May 1, 2020 and May 6, 2020, wherein CBD requested expanded background information related to environmental setting, environmental impacts, and consideration of other mitigation measures;

WHEREAS, while SCAG is not obligated to respond to late comments (as the public review period occurred from December 9, 2019 to January 24, 2020), in the interest of providing as much information to the public as possible, SCAG has addressed CBD's comments and incorporated additional information;

WHEREAS, pursuant to CEQA Guidelines Section 15164(a), an Addendum may be prepared by the Lead Agency that prepared the original EIR if some changes or additions are necessary, but none of the conditions have occurred set forth under CEQA Guidelines Section 15162 requiring preparation of a Subsequent EIR;

WHEREAS, the Addendum reflects SCAG's clarification and addition of information requested by CBD and analysis of the technical refinements and concludes that the PEIR is sufficient for addressing the potential environmental impacts and mitigation measures for the Plan;

WHEREAS, based on CBD's comment letters, SCAG has refined the mitigation measures and has prepared a Revised Mitigation Monitoring and Reporting Program (MMRP);

WHEREAS, SCAG has prepared an Errata to the Final Connect SoCal PEIR and to the adopted Findings as the previously adopted Final PEIR incorrectly identified Growth Forecast Guiding Principles as Plan Principles;

WHEREAS, pursuant to SB 375, Connect SoCal includes the SCS which is required to meet GHG reduction targets from automobiles and light trucks for 2020 and 2035 as set by ARB;

WHEREAS, the SCS must identify areas within the region sufficient to house an eight-year projection of the regional housing need for the region pursuant to Section 65080(b)(2)(B)(iii);

WHEREAS, the Regional Housing Needs Assessment (RHNA) is mandated by state housing law as part of the periodic process of updating local housing elements contained in General Plans. The RHNA quantifies the need for housing by income categories within each jurisdiction over a specified eight-year period and requires that local jurisdictions make available sufficient zoned capacity to accommodate this need;

WHEREAS, the state Legislature intended that housing planning be coordinated and integrated with the regional transportation plan and SCS. To achieve this goal, the RHNA allocation plan shall allocate housing units within the region consistent with the development pattern included in the SCS (Govt. Code § 65584.04(m));

WHEREAS, as a result of stakeholder outreach, SCAG staff received requests to clarify the limits of SCAG’s authority with respect to the TAZ-level growth forecast data used for Connect SoCal regional modeling purposes, and the relationship of such data with local jurisdictions’ implementation of their respective RHNA housing allocations; and

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred.

NOW THEREFORE, BE IT RESOLVED, the Regional Council hereby adopts the Addendum to the Connect SoCal PEIR and approves Connect SoCal in its entirety.

BE IT FURTHER RESOLVED by the Regional Council that:

1. The Addendum to the Connect SoCal PEIR has been completed in compliance with CEQA.
2. Based on substantial evidence provided in the Addendum, the Final PEIR and other materials in the record, SCAG determines that the impacts of the Plan fall within the analyses in the Final PEIR as the Plan has no new significant environmental impacts; no substantial increase in the severity of previously identified significant effects; no mitigation measures or alternatives previously found infeasible are now feasible; and no mitigation measures or alternatives which are considerably different from those in the Final PEIR that would substantially reduce significant effects are declined to be adopted. Thus, a subsequent or supplemental EIR is not required.
3. Some changes or additions are necessary to the PEIR, making an Addendum the appropriate CEQA document for Connect SoCal refinements (CEQA Guidelines 15164).
4. Pursuant to Public Resources Code section 21081.6, the Regional Council hereby adopts the Revised Mitigation and Monitoring and Reporting Program (MMRP) attached to this Resolution as Exhibit A and the Errata to the Findings of Fact, attached to this Resolution as Exhibit B.
5. In consideration of the certified Connect SoCal PEIR and the Addendum to the PEIR, the Regional Council hereby approves Connect SoCal and finds as follows:
 - a. Connect SoCal complies with all applicable federal and state requirements, including the metropolitan planning provisions as identified in the Code of Federal Regulations Title 23 Part 450 and Title 49, Part 613, and other state planning requirements as identified in California Government Code Section 65080. Specifically, Connect SoCal fully addresses the requirements relating to the development and content of metropolitan transportation plans as set forth in 23 C.F.R.§450.322 et seq., including issues relating to: identification of transportation facilities that function as an integrated metropolitan transportation system; operational and management strategies; safety and security; performance measures; environmental mitigation; the need for a financially constrained plan; consultation and public participation; and transportation conformity;

- b. The SCS prepared as part of Connect SoCal complies with the emission reduction targets established by ARB and meets the requirements of SB 375 (Steinberg, 2008) as codified in Government Code §65080(b) et seq. by achieving GHG emission reductions at 8% below 2005 per capita emissions levels by 2020 and 19% below 2005 per capita emissions levels by 2035;
 - c. Connect SoCal’s preferred land use scenario and corresponding forecast of population, household and employment growth is adopted at the jurisdictional level, and any corresponding sub-jurisdictional level data and/or maps are advisory only.
6. The Regional Council hereby directs staff to submit the SCS to ARB to review SCAG’s determination that the SCS meets the regional GHG emission reduction targets;
7. The Regional Council hereby clarifies the limits of SCAG’s authority with respect to the use of TAZ-level data and the relationship between the Connect SoCal growth forecast and local jurisdictions’ implementation of their respective RHNA allocations as follows:
- a. Pursuant to state planning law (SB 375), SCAG’s 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), known as “Connect SoCal,” is required to meet greenhouse gas emissions (GHG) reduction targets from automobiles and light trucks for 2020 and 2035 as set by the California Air Resources Board (CARB). With regard to implementation of the sustainable communities strategy (SCS), SB 375 specifically provides that nothing in the SCS shall be interpreted as superseding the exercise of the land use authority of cities and counties within the region. Further, SB 375 may not be interpreted to authorize the abrogation of any vested right whether created by statute or by common law, and may not require a city’s or county’s land use policies and regulations, including its general plan, to be consistent with such plan. (Cal. Govt. Code § 65080(b)(2)(K)).
 - b. The Regional Housing Needs Assessment (RHNA) is mandated by state housing law as part of the periodic process of updating local housing elements contained in General Plans. The RHNA quantifies the need for housing by income categories within each jurisdiction over a specified eight-year period and requires that local jurisdictions make available sufficient zoned capacity to accommodate this need.
 - c. SCAG’s legislative platform reflects its support of consistency within state law regarding the sometimes competing demands contained within SB 375 and the RHNA.¹
- a. The limits of SCAG’s authority are reflected in the following Growth Forecast Guiding Principles contained in Connect SoCal, which are hereby clarified as follows (additions are in italics):

¹ See SCAG 2020 Legislative Platform at: <http://www.scag.ca.gov/programs/Documents/LegislativePriorities/SCAG-2020-legislative-platform-STATE.pdf>

- i. Connect SoCal will be adopted at the jurisdictional-level, and directly reflects the population, household and employment growth projections that have been reviewed and refined with feedback from local jurisdictions through SCAG’s Bottom-Up Local Input and Envisioning Process. The growth forecast maintains these locally informed projected jurisdictional growth totals, meaning future growth is not reallocated from one local jurisdiction to another.
- ii. Connect SoCal’s growth forecast at the Transportation Analysis Zone (TAZ) level is controlled to not exceed the maximum density of local general plans as conveyed by jurisdictions, except in the case of existing entitlements and development agreements. *TAZ-level growth projections are utilized by SCAG for regional modeling purposes and are not adopted as part of Connect SoCal nor included as part of the Forecasted Regional Development Pattern. The Forecasted Regional Development Pattern for Connect SoCal reflects the policies and strategies of the Plan and includes existing entitlements and development agreements conveyed by jurisdictions, as depicted in the Connect SoCal Sustainable Communities Technical Report.*
- iii. For the purpose of determining consistency with Connect SoCal for California Environmental Quality Act (CEQA), grants or other opportunities, lead agencies such as local jurisdictions have the sole discretion in determining a local project’s consistency; SCAG may also evaluate consistency for grants and other resource opportunities; consistency should be evaluated utilizing the goals and policies of Connect SoCal and its associated Program Environmental Impact Report (PEIR). *However, TAZ-level growth projections for households, employment or population reflected in TAZ Maps may not be utilized to determine consistency or inconsistency with Connect SoCal.²*
- iv. TAZ-level data or any data at a geography smaller than the jurisdictional-level has been utilized to conduct required modeling analyses and is therefore advisory only and non-binding, given that sub-jurisdictional forecasts are not adopted as part of Connect SoCal. TAZ-level data may be used by jurisdictions in local planning as they deem appropriate, and Connect SoCal does not supersede *or otherwise affect* local jurisdiction authority or decisions on future development, including entitlements and development agreements. There is

² “TAZ-level growth projections” refer to the disaggregation of the regional and jurisdictional population, household, employment growth forecasts developed as part of the final, adopted Connect SoCal, and is in contrast to other TAZ-level data such as locally envisioned growth projections (i.e., “local input”) or the 2016 base-year TAZ-level data developed by SCAG. “TAZ Maps” refer to visualizations in a map format of the TAZ-level growth projections within a TAZ boundary, which may be created by SCAG, and such maps are not developed, included, contained, approved or adopted as part of Connect SoCal.

no obligation by a jurisdiction to change its land use policies, General Plan, or regulations to be consistent with Connect SoCal.

- v. SCAG will maintain communication with agencies that use SCAG’s subjurisdictional-level data to ensure that the “advisory and nonbinding” nature of the data is appropriately maintained.
- b. TAZ-level growth forecast projections are used by SCAG staff for overall, regional-scale planning and modeling purposes in preparing Connect SoCal and to confirm data related to existing entitlements and development agreements. Given the scale at which their use is meaningful, these TAZ-level growth forecasts do not create any prescriptive or recommended cap or limit on the intra-jurisdictional locations of household/housing, employment or population within the boundaries of individual jurisdictions. SCAG is a regional planning organization and does not possess any land use authority, nor does it have enough information at the local level to constrain or otherwise affect individual projects and plans at an intra-jurisdictional scale.
- c. The SCS was developed to comply with state greenhouse gas reduction requirements pursuant to SB 375, and is intended to serve as an advisory and elective planning vision for consideration by other stakeholders and implementing agencies, and local control of land use decision-making is not intended to be constrained or limited in any way by Connect SoCal.
- d. In the event a project or plan located within a given TAZ boundary would exceed the projected growth as depicted within a TAZ Map utilized for overall, regional-scale modeling and forecasting, SCAG affirms that such TAZ Maps would not present a prescription, constraint or limit on household/housing, employment and population growth.
- e. SCAG confirms that the Connect SoCal TAZ-level growth projections reflected in TAZ Maps do not constitute a prescriptive “pattern” of future development in Connect SoCal for General Plan or zoning code amendments (including intra-jurisdictional RHNA compliance and housing element updates), or for any individual project approval. The distribution and types of RHNA housing units allocated within each local jurisdiction continues to be fully and completely subject to local control and subject to other applicable laws, and not be constrained or affected by the TAZ-level growth projections.
- f. SCAG recognizes that cities and counties will foreseeably update their housing elements as part of General Plans and amend zoning designations to accommodate the state-mandated RHNA sixth cycle allocation. For many cities and counties, the required RHNA General Plan and zoning changes may need to accommodate more housing units than reflected in the Connect SoCal’s household and population growth projections for individual or combined TAZs within the jurisdiction (“Exceedances”). Given SCAG’s use of TAZ-level growth projections for regional planning and modeling purposes, and the local jurisdictions’ obligations to comply with state housing laws

including RHNA, SCAG agrees that in the event of any Exceedances at the jurisdictional and/or intra-jurisdictional levels, such Exceedances may not be used to impede a local jurisdiction's compliance with the sixth cycle RHNA requirements, to assess impacts of a plan or project under CEQA, or affect eligibility for state funding.

- g. Nothing in this Resolution creates any affirmative enforcement obligation by SCAG against any third party;
- 8. That the foregoing recitals are true and correct and incorporated herein by this reference; and
- 9. SCAG's Executive Director or his designee is authorized to make minor modifications, finalize and transmit the final Connect SoCal in its entirety, including but not limited to submittal to ARB.

PASSED, APPROVED AND ADOPTED by the Regional Council of the Southern California Association of Governments at its regular meeting this 3rd day of September 2020.

Rex Richardson
President, SCAG
Councilmember, City of Long Beach

Attested by:

Kome Ajise
Executive Director

Approved as to Form:

Justine Block
Acting Chief Counsel



EXHIBIT A

Revised Mitigation Monitoring and Reporting Program for the Final Connect SoCal PEIR



SEPTEMBER 3, 2020

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#20199011061



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EXHIBIT A – REVISED MITIGATION MONITORING AND REPORTING FOR THE FINAL CONNECT SOCIAL PEIR

SEPTEMBER 3, 2020

connectsocial.org

PLEASE RECYCLE 29072020.08.19

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EXHIBIT A – REVISED MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CONNECT SOCIAL PLAN

1.0 PURPOSE

The Mitigation Monitoring and Reporting Program (MMRP) has been prepared in conformance with Section 21081.6 of the California Environmental Quality Act (CEQA) and Section 15097 of the CEQA Guidelines. It is the intent of this program to: (1) verify satisfaction of the required mitigation measures of the EIR; (2) provide a methodology to document implementation of the required mitigation measures; (3) provide a record of the Monitoring Program; (4) identify monitoring responsibility; (5) establish administrative procedures for the clearance of mitigation measures; (6) establish the frequency and duration of monitoring; and (7) utilize existing review processes wherever feasible.

2.0 INTRODUCTION

This Mitigation Monitoring and Reporting Program describes the procedures that will be used to implement the mitigation measures adopted in connection with the approval of the project and the methods of monitoring such actions. This MMRP takes the form of a table that identifies the responsible entity for monitoring each mitigation measure and the timing of each measure.

This EIR identifies programmatic mitigation measures to be implemented by SCAG and identifies project-level mitigation measures that SCAG will encourage local agencies to implement, as appropriate and feasible, as part of project-specific environmental review.

SCAG has no authority to impose mitigation measures on individual projects for which it is not the lead agency. However, for projects seeking to use CEQA streamlining and/or tier from the Connect SoCal Program EIR, project-level mitigation measures included in this Program EIR (or comparable measures) should be required by the local lead agency as appropriate and feasible. Many lead agencies have existing regulations, policies, and/or standard conditions of approval that address potential impacts. Nothing in the Program EIR is intended to supersede existing regulations and policies of individual jurisdictions. Since SCAG has no authority to impose mitigation measures, mitigation measures to be implemented by local jurisdictions are subject to a lead agency's independent discretion as to whether measures are applicable to projects in their respective jurisdictions. Lead agencies may use, amend, or not use measures identified in this Program EIR as appropriate to address project-specific conditions. The determination of significance and identification of appropriate mitigation is *solely* the responsibility of the lead agency.

**Table A-1
Mitigation Monitoring and Reporting Program Matrix**

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
Aesthetics		
SMM AES-1: SCAG shall facilitate minimizing impacts to scenic vistas through cooperation, information sharing regarding the locations of designated scenic vistas, and regional program development as part of SCAG’s ongoing regional planning efforts, such as web-based planning tools for local government including REVISION, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts such as sharing of associated online training materials. Caltrans and lead agencies, such as county and city planning departments, shall be consulted during this update process.	Ongoing over the life of the plan	SCAG
PMM AES-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts to scenic vistas, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> a) Use a palette of colors, textures, building materials that are graffiti-resistant, and/or plant materials that complement the surrounding landscape and development. b) Use contour grading to better match surrounding terrain. Contour edges of major cut-and-fill to provide a more natural looking finished profile. c) Design new corridor landscaping to respect existing natural and man-made features and to complement the dominant landscaping of the surrounding areas. d) Replace and renew landscaping along corridors with road widenings, interchange projects, and related improvements. e) Retain or replace trees bordering highways, so that clear-cutting is not evident. f) Provide new corridor landscaping that respects and provides appropriate transition to existing natural and man-made features and is complementary to the dominant landscaping or native habitats of surrounding areas. g) Reduce the visibility of construction staging areas by fencing and screening these areas with low contrast materials consistent with the surrounding environment, and by revegetating graded slopes and exposed earth surfaces at the earliest opportunity; h) Use see-through safety barrier designs (e.g. railings rather than walls) 	Ongoing over the life of the plan	Lead Agency
PMM AES-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts that substantially degrade visual character, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> a) Minimize contrasts in scale and massing between the projects and surrounding natural forms and development, minimize their intrusion into important viewsheds, and use contour grading to better match surrounding terrain in accordance with county and city hillside ordinances, where applicable. 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> b) Design landscaping along highway corridors to add significant natural elements and visual interest to soften the hard-edged, linear transportation corridors. c) Require development of design guidelines for projects that make elements of proposed buildings/facilities visually compatible or minimize visibility of changes in visual quality or character through use of hardscape and softscape solutions. Specific measures to be addressed include setback buffers, landscaping, color, texture, signage, and lighting criteria. d) Design projects consistent with design guidelines of applicable general plans. e) Require that sites are kept in a blight/nuisance-free condition. Remove blight or nuisances that compromise visual character or visual quality of project areas including graffiti abatement, trash removal, landscape management, maintenance of signage and billboards in good condition, and replace compromised native vegetation and landscape. f) Where sound walls are proposed, require sound wall construction and design methods that account for visual impacts as follows: <ul style="list-style-type: none"> — use transparent panels to preserve views where sound walls would block views from residences; — use landscaped earth berm or a combination wall and berm to minimize the apparent sound wall height; — construct sound walls of materials whose color and texture complements the surrounding landscape and development; g) Design sound walls to increase visual interest, reduce apparent height, and be visually compatible with the surrounding area; and landscape the sound walls with plants that screen the sound wall, preferably with either native vegetation or landscaping that complements the dominant landscaping of surrounding areas. 		
<p>SMM AES-2: SCAG shall facilitate minimizing impacts on aesthetics related to new sources of light or glare through cooperation, information sharing regarding guidelines and policies, design approaches, building materials, siting, and technology, such as web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts and sharing of associated online training materials. Lead agencies, such as county and city planning departments, shall be consulted during this update process.</p>	Ongoing over the life of the plan	SCAG
<p>PMM AES-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts that substantially degrade visual character, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Use lighting fixtures that are adequately shielded to a point below the light bulb and reflector and that prevent unnecessary glare onto adjacent properties. b) Restrict the operation of outdoor lighting for construction and operation activities to the hours of 7:00 a.m. to 10:00 p.m. or as otherwise required by applicable local rules or ordinances. c) Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting. d) Use unidirectional lighting to avoid light trespass onto adjacent properties. e) Design exterior lighting to confine illumination to the project site, and/or to areas which do not include light-sensitive uses. 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> f) Provide structural and/or vegetative screening from light-sensitive uses. g) Shield and direct all new street and pedestrian lighting away from light-sensitive off-site uses. h) Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass used on building surfaces. i) Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties. 		
Agriculture and Forestry		
SMM AG-1: SCAG shall host a Natural & Farm Lands Conservation Working Group which will provide a forum for stakeholders to share best practices and develop recommendations for natural and agricultural land conservation throughout the region, including the development and implementation of Connect SoCal's Natural and Farm Lands Conservation Strategies.	Ongoing over the life of the plan	SCAG
SMM AG-2: SCAG shall develop a Regional Greenprint, which is a strategic web-based conservation tool that provides the best available scientific data and scenario visualizations to help cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farm lands. SCAG shall use the Greenprint to identify priority conservation areas and work with CTCs to develop advanced mitigation programs or include them in future transportation measures by (1) funding pilot programs that encourage advance mitigation including data and replicable processes, (2) participating in state-level efforts that would support regional advanced mitigation planning in the SCAG region, and (3) supporting the inclusion of advance mitigation programs at county level transportation measures.	Ongoing over the life of the plan	SCAG
SMM AG-3: SCAG shall align with funding opportunities and pilot programs to begin implementation of conservation strategies through (1) seeking planning and implementation funds, such as Greenhouse Gas Reduction Funds that could advance local action on acquisition and restoration projects locally and regionally, (2) supporting CTCs and other partners, and (3) continuing policy alignment with the State Wildlife Action Plan 2015 Update and its implementation.	Ongoing over the life of the plan	SCAG
SMM AG-4: SCAG shall provide incentives to jurisdictions that cooperate across county lines to protect and restore natural habitat corridors, especially where corridors cross county boundaries, as detailed in the Natural & Farm Lands Technical Report strategies of Connect SoCal. SCAG will work with stakeholders to identify incentives and leverage resources that help protect habitat corridors.	Ongoing over the life of the plan	SCAG
PMM AG-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to address potential adverse effects on agricultural resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> a) Require project sponsors to mitigate for loss of farmland by providing permanent protection of in-kind farmland in the form of easements, fees, or elimination of development rights/potential. b) Project relocation or corridor realignment to avoid Prime Farmland, Unique Farmland, or Farmland of Local or Statewide Importance. c) Maintain and expand agricultural land protections such as urban growth boundaries. 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> d) Provide for mitigation fees to support a mitigation bank¹ that invests in farmer education, agricultural infrastructure, water supply, marketing, etc. that enhance the commercial viability of retained agricultural lands. e) Minimize severance and fragmentation of agricultural land by constructing underpasses and overpasses at reasonable intervals to provide property access. f) Use berms, buffer zones, setbacks, and fencing to reduce conflicts between new development and farming uses and protect the functions of farmland. 		
<p>PMM AG-2: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects on Williamson Act contracts to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:</p> <ul style="list-style-type: none"> a) Project relocation or corridor realignment to avoid lands in Williamson Act contracts. b) Establish conservation easements consistent with the recommendations of the Department of Conservation, or 20-year Farmland Security Zone contracts (Government Code Section 51296 et seq.), 10-year Williamson Act contracts (Government Code Section 51200 et seq.), or use of other conservation tools available from the California Department of Conservation Division of Land Resource Protection. 	Ongoing over the life of the plan	Lead Agency
<p>PMM AG-3: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland to maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:</p> <ul style="list-style-type: none"> a) Minimize construction related impacts to agricultural and forestry resources by locating materials and stationary equipment in such a way as to prevent conflict with agriculture and forestry resources. 	Ongoing over the life of the plan	Lead Agency
<p>PMM AG-4: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland, to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:</p> <ul style="list-style-type: none"> a) Design proposed projects to minimize, to the greatest extent feasible, the loss of the highest valued agricultural land. b) Redesign project features to minimize fragmenting or isolating Farmland. Where a project involves acquiring land or easements, ensure that the remaining non-project area is of a size sufficient to allow economically viable farming operations. The project proponents shall be responsible for acquiring easements, making lot line adjustments, and merging affected land parcels into units suitable for continued commercial agricultural management. c) Reconnect utilities or infrastructure that serve agricultural uses if these are disturbed by project construction. If a project temporarily or permanently cuts off roadway access or removes utility lines, irrigation features, or other infrastructure, the project proponents shall be responsible for restoring access as necessary to ensure that economically viable farming operations are not interrupted. 	Ongoing over the life of the plan	Lead Agency

¹ The California Department of Fish and Wildlife provides a definition for conservation or mitigation banks on their website (please see <https://www.wildlife.ca.gov/Conservation/Planning/Banking>).

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>PMM AG-5: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland, to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:</p> <p>a) Manage project operations to minimize the introduction of invasive species or weeds that may affect agricultural production on adjacent agricultural land. Where a project has the potential to introduce sensitive species or habitats or have other spill-over effects on nearby agricultural lands, the project proponents shall be responsible for acquiring easements on nearby agricultural land and/or financially compensating for indirect effects on nearby agricultural land. Easements (e.g., flowage easements) shall be required for temporary or intermittent interruption in farming activities (e.g., because of seasonal flooding or groundwater seepage). Acquisition or compensation would be required for permanent or significant loss of economically viable operations.</p>	Ongoing over the life of the plan	Lead Agency
Air Quality		
<p>SMM AQ-1: SCAG shall develop the Southern California Disadvantaged Communities Planning Initiative which would provide funds to selected applicants to develop a low-cost, high-impact model which leverages SCAG's staff, data, and outreach resources to deliver context-sensitive plans in high-need, low-resourced active transportation infrastructure and frameworks. As part of the initiative, the model will be operationalized through the development of plans in six communities and refined to provide a sustainable resource for SCAG staff partner with local agencies to develop local active transportation plans.</p>	Ongoing over the life of the plan	SCAG
<p>SMM AQ-2: SCAG shall continue its commitment to analyze public health outcomes as part of Connect SoCal. As part of the public health analysis for the Plan, SCAG shall continue to analyze the Plan's impacts on air quality through its Public Health Working group and continue to support policy change at the city and country level through education programs.</p>	Ongoing over the life of the plan	SCAG
<p>SMM AQ-3: SCAG shall continue to conduct air quality-related technical analyses on the region, specifically in vulnerable areas that are typically environmental justice areas. For example, SCAG staff conducted technical analysis of emissions impacts on populations within 500 feet of freeways and highly travelled corridors in the Connect SoCal Environmental Justice Appendix. SCAG staff shall also continue to work with districts and relevant stakeholders to be informed of any updates new and/or changes to air quality issue areas through various forums like the Environmental Justice Working Group.</p>	Ongoing over the life of the plan	SCAG
<p>PMM AQ-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Minimize land disturbance.</p> <p>b) Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes.</p> <p>c) Cover trucks when hauling dirt.</p> <p>d) Stabilize the surface of dirt piles if not removed immediately.</p> <p>e) Limit vehicular paths on unpaved surfaces and stabilize any temporary roads.</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>f) Minimize unnecessary vehicular and machinery activities.</p> <p>g) Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.</p> <p>h) Revegetate disturbed land, including vehicular paths created during construction to avoid future off-road vehicular activities.</p> <p>i) On Caltrans projects, Caltrans Standard Specifications 10-Dust Control, 17-Watering, and 18-Dust Palliative shall be incorporated into project specifications.</p> <p>j) Require contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet. Daily logging of the operating hours of the equipment should also be required.</p> <p>k) Ensure that all construction equipment is properly tuned and maintained.</p> <p>l) Minimize idling time to 5 minutes or beyond regulatory requirements—saves fuel and reduces emissions.</p> <p>m) Provide an operational water truck on-site at all times. Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.</p> <p>n) Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.</p> <p>o) Develop a traffic plan to minimize community impacts as a result of traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through-traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites. Project sponsors should consider developing a goal for the minimization of community impacts.</p> <p>p) As appropriate require that portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles, obtain CARB Portable Equipment Registration with the state or a local district permit. Arrange appropriate consultations with the CARB or the District to determine registration and permitting requirements prior to equipment operation at the site.</p> <p>q) Require projects to use Tier 4 Final equipment or better for all engines above 50 horsepower (hp). In the event that construction equipment cannot meet to Tier 4 Final engine certification, the Project representative or contractor must demonstrate through future study with written findings supported by substantial evidence that is approved by SCAG before using other technologies/strategies. Alternative applicable strategies may include, but would not be limited to, construction equipment with Tier 4 Interim or reduction in the number and/or horsepower rating of construction equipment and/or limiting the number of construction equipment operating at the same time. All equipment must be tuned and maintained in compliance with the manufacturer’s recommended maintenance schedule and specifications. All maintenance records for each equipment and their contractor(s) should make available for inspection and remain on-site for a period of at least two years from completion of construction, unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance</p>		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>thresholds. Project sponsors should also consider including ZE/ZNE technologies where appropriate and feasible.</p> <p>r) Projects located within the South Coast Air Basin should consider applying for South Coast AQMD “SOON” funds which provides funds to applicable fleets for the purchase of commercially available low-emission heavy-duty engines to achieve near-term reduction of NOx emissions from in-use off-road diesel vehicles.</p> <p>s) Projects located within AB 617 communities should review the applicable Community Emissions Reduction Plan (CERP) for additional mitigation that can be applied to individual projects.</p> <p>t) Where applicable, projects should provide information about air quality related programs to schools, including the Environmental Justice Community Partnerships (EJCP), Clean Air Ranger Education (CARE), and Why Air Quality Matters programs.</p> <p>u) Projects should work with local cities and counties to install adequate signage that prohibits truck idling in certain locations (e.g., near schools and sensitive receptors).</p> <p>v) As applicable for airport projects, the following measures should be considered:</p> <ul style="list-style-type: none"> a. Considering operational improvements to reduce taxi time and auxiliary power unit usage, where feasible. Additionally, consider single engine taxiing, if feasible as allowed per Federal Aviation Administration guidelines. b. Set goals to achieve a reduction in emissions from aircraft operations over the lifetime of the proposed project. c. Require the use of ground service equipment (GSE) that can operate on battery-power. If electric equipment cannot be obtained, require the use of alternative fuel, the cleanest gasoline equipment, or Tier 4, at a minimum. <p>w) As applicable for port projects, the following measures should be considered:</p> <ul style="list-style-type: none"> a. Develop specific timelines for transitioning to zero emission cargo handling equipment (CHE). b. Develop interim performance standards with a minimum amount of CHE replacement each year to ensure adequate progress. c. Use short side electric power for ships, which may include tugboats and other ocean-going vessels or develop incentives to gradually ramp up the usage of shore power. d. Install the appropriate infrastructure to provide shore power to operate the ships. Electrical hookups should be appropriately sized. e. Maximize participation in the Port of Los Angeles’ Vessel Speed Reduction Program or the Port of Long Beach’s Green Flag Initiation Program in order to reduce the speed of vessel transiting within 40 nautical miles of Point Fermin. f. Encourage the participation in the Green Ship Incentives. g. Offer incentives to encourage the use of on-dock rail. <p>x) As applicable for rail projects, the following measures should be considered:</p> <ul style="list-style-type: none"> a. Provide the highest incentives for electric locomotives and then locomotives that meet Tier 5 emission standards with a floor on the incentives for locomotives that meet Tier 4 emission standards. <p>y) Projects that will introduce sensitive receptors within 500 feet of freeways and other sources should consider</p>		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>installing high efficiency of enhanced filtration units, such as Minimum Efficiency Reporting Value (MERV) 13 or better. Installation of enhanced filtration units can be verified during occupancy inspection prior to the issuance of an occupancy permit.</p> <p>z) Develop an ongoing monitoring, inspection, and maintenance program for the MERV filters.</p> <p>a. Disclose potential health impacts to prospective sensitive receptors from living in close proximity to freeways or other sources of air pollution and the reduced effectiveness of air filtration systems when windows are open or residents are outside.</p> <p>b. Identify the responsible implementing and enforcement agency to ensure that enhanced filtration units are installed on-site before a permit of occupancy is issued.</p> <p>c. Disclose the potential increase in energy costs for running the HVAC system to prospective residents.</p> <p>d. Provide information to residents on where MERV filters can be purchased.</p> <p>e. Provide recommended schedule (e.g., every year or every six months) for replacing the enhanced filtration units.</p> <p>f. Identify the responsible entity such as future residents themselves, Homeowner’s Association, or property managers for ensuring enhanced filtration units are replaced on time.</p> <p>g. Identify, provide, and disclose ongoing cost-sharing strategies, if any, for replacing the enhanced filtration units.</p> <p>h. Set criteria for assessing progress in installing and replacing the enhanced filtration units; and</p> <p>i. Develop a process for evaluating the effectiveness of the enhanced filtration units.</p> <p>aa) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities</p> <p>bb) The following criteria related to diesel emissions shall be implemented on by individual project sponsors as appropriate and feasible:</p> <ul style="list-style-type: none"> — Diesel nonroad vehicles on site for more than 10 total days shall have either (1) engines that meet EPA on road emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%. — Diesel generators on site for more than 10 total days shall be equipped with emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%. — Nonroad diesel engines on site shall be Tier 2 or higher. — Diesel nonroad construction equipment on site for more than 10 total days shall have either (1) engines meeting EPA Tier 4 nonroad emissions standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM emissions by a minimum of 85% for engines for 50 hp and greater and by a minimum of 20% for engines less than 50 hp. — Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer. — Diesel vehicles, construction equipment, and generators on site shall be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend approved by the original engine manufacturer with sulfur content of 15 ppm or less. 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> — The construction contractor shall maintain a list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following: <ul style="list-style-type: none"> i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment. ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, engine serial number, and expected fuel usage and hours of operation. iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date. — The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities. — The contractor shall maintain a monthly report that, for each on road diesel vehicle, nonroad construction equipment, or generator onsite, includes: <ul style="list-style-type: none"> i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date. ii. Any problems with the equipment or emission controls. iii. Certified copies of fuel deliveries for the time period that identify: <ul style="list-style-type: none"> 1. Source of supply 2. Quantity of fuel 3. Quantity of fuel, including sulfur content (percent by weight) 		
<p>cc) Project should exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code). The following measures can be used to increase energy efficiency:</p> <ul style="list-style-type: none"> — Install programmable thermostat timers — Obtain Third-party HVAC commissioning and verification of energy savings (to be grouped with exceedance of Title 24). — Install energy efficient appliances (Typical reductions for energy-efficient appliances can be found in the Energy Star and Other Climate Protection Partnerships Annual Reports.) — Install higher efficacy public street and area lighting — Limit outdoor lighting requirements — Replace traffic lights with LED traffic lights — Establish onsite renewable or carbon neutral energy systems – generic, solar power and wind power — Utilize a combined heat and power system — Establish methane recovery in Landfills and Wastewater Treatment Plants. — Locate project near bike path/bike lane 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> — Provide pedestrian network improvements, such as interconnected street network, narrower roadways and shorter block lengths, sidewalks, accessibility to transit and transit shelters, traffic calming measures, parks and public spaces, minimize pedestrian barriers. 		
<ul style="list-style-type: none"> — Provide traffic calming measures, such as: <ul style="list-style-type: none"> i. Marked crosswalks ii. Count-down signal timers iii. Curb extensions iv. Speed tables v. Raised crosswalks vi. Raised intersections vii. Median islands viii. Tight corner radii ix. Roundabouts or mini-circles x. On-street parking xi. Chicanes/chokers 		
<ul style="list-style-type: none"> — Create urban non-motorized zones 		
<ul style="list-style-type: none"> — Provide bike parking in non-residential and multi-unit residential projects 		
<ul style="list-style-type: none"> — Dedicate land for bike trails 		
<ul style="list-style-type: none"> — Limit parking supply through: <ul style="list-style-type: none"> i. Elimination (or reduction) of minimum parking requirements ii. Creation of maximum parking requirements iii. Provision of shared parking 		
<ul style="list-style-type: none"> — Require residential area parking permit. 		
<ul style="list-style-type: none"> — Provide ride-sharing programs <ul style="list-style-type: none"> i. Designate a certain percentage of parking spacing for ride sharing vehicles ii. Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles iii. Providing a web site or messaging board for coordinating rides iv. Permanent transportation management association membership and finding requirement. 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
Biological Resources		
<p>SMM BIO-1: SCAG shall facilitate reducing future impacts to species identified as a candidate, sensitive, or special status species and its habitats through cooperation, information sharing, and program development. SCAG shall consult with the resource agencies, such as the USFWS, NMFS, USACE, USFS, BLM, and CDFW, as well as local jurisdictions including cities and counties, to incorporate designated critical habitat, federally protected wetlands, the protection of sensitive natural communities and riparian habitats, designated open space or protected wildlife habitat, local policies and tree preservation ordinances, applicable HCPs and NCCPs, or other related planning documents into SCAG’s ongoing regional planning efforts and programs such as, web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts and sharing of associated online Training materials. Planning efforts shall be consistent with the approach outlined in the California Wildlife Action Plan. Additionally, SCAG shall vet and distribute environmental data (i.e. endangered species and important habitat areas) to local jurisdictions.</p>	Ongoing over the life of the plan	SCAG
<p>SMM BIO-2: SCAG shall continue to develop a regional conservation strategy in coordination with local jurisdictions and other stakeholders, including the county transportation commissions. The conservation strategy will build upon existing efforts including those at the sub-regional and local levels to identify potential priority conservation areas. SCAG will also collaborate with stakeholders to establish a new Regional Advanced Mitigation Program (RAMP) initiative to preserve habitat. The RAMP would establish and/or supplement regional conservation and mitigation banks and/or other approaches to offset impacts of transportation and other development projects.</p> <p>To assist in defining the RAMP, SCAG shall lead a multi-year effort to SCAG shall develop new regional tools, like the Regional Data Platform and Regional Greenprint that will provide an easily accessible resource to help municipalities, conservation groups, developers and researchers prioritize lands for conservation based on best available scientific data. The Regional Greenprint effort shall also produce a whitepaper on the RAMP initiative, which includes approaches for the RAMP in the SCAG region, needed science and analysis, models, challenges and opportunities and recommendations.</p>	Ongoing over the life of the plan	SCAG
<p>PMM BIO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to threatened and endangered species, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Require project design to avoid occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible. b) Where avoidance is determined to be infeasible, provide conservation measures to fulfill the requirements of the applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal ESA, Section 2081 of the California ESA to support issuance of an incidental take permit, and/or as identified in local or regional plans. Conservation strategies to protect the survival and recovery of federally and state-listed endangered and local special status species may include: <ul style="list-style-type: none"> i. Impact minimization strategies ii. Contribution of in-lieu fees for in-kind conservation and mitigation efforts iii. Use of in-kind mitigation bank credits iv. Funding of research and recovery efforts 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> v. Habitat restoration vi. Establishment of conservation easements vii. Permanent dedication of in-kind habitat c) Design projects to avoid desert native plants protected under the California Desert Native Plants Act, salvage and relocate desert native plants, and/or pay in lieu fees to support off-site long-term conservation strategies. d) Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species. e) Develop and implement a Worker Environmental Awareness Program (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources. f) Retain a qualified botanist to document the presence or absence of special status plants before project implementation. g) Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact. h) Appoint a qualified biologist to monitor implementation of mitigation measures. i) Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased. j) Develop an invasive species control plan associated with project construction. k) If construction occurs during breeding seasons in or adjacent to suitable habitat, include appropriate sound attenuation measures required for sensitive avian species and other best management practices appropriate for potential local sensitive wildlife. l) Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance. m) Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel. n) Project design should address the protection of habitat on both sides of a freeway to improve effectiveness of the crossings. o) Project sponsors shall consider the impacts of nitrogen deposition on sensitive species. 		
<p>PMM BIO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to riparian habitats and other sensitive natural communities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Consult with the USFWS and NMFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA. b) Consult with the USFS where such state-designated sensitive or riparian habitats provide potential or 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA and any additional species afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-county area: Angeles, Cleveland, Los Padres, and San Bernardino.</p> <p>c) Consult with the CDFW where such state-designated sensitive or riparian habitats provide potential or occupied habitat for state-listed rare, threatened, and endangered species afforded protection pursuant to the California ESA, or Fully Protected Species afforded protection pursuant to the State Fish and Game Code.</p> <p>d) Consult with the CDFW pursuant to the provisions of Section 1600 of the State Fish and Game Code as they relate to Lakes and Streambeds.</p> <p>e) Consult with the USFWS, USFS, CDFW, and counties and cities in the SCAG region, where state-designated sensitive or riparian habitats are occupied by birds afforded protection pursuant to the MBTA during the breeding season.</p> <p>f) Consult with the CDFW for state-designated sensitive or riparian habitats where furbearing mammals, afforded protection pursuant to the provisions of the State Fish and Game Code for fur-bearing mammals, are actively using the areas in conjunction with breeding activities.</p> <p>g) Require project design to avoid sensitive natural communities and riparian habitats, wherever practicable and feasible. Where practicable and feasible, require upland buffers that sufficiently minimize impacts to riparian corridors.</p> <p>h) Where avoidance is determined to be infeasible, develop sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) to protect sensitive natural communities and riparian habitats and develop appropriate compensatory mitigation, where required.</p> <p>i) Appoint a qualified wetland biologist to monitor construction activities that may occur in or adjacent to sensitive communities.</p> <p>j) Appoint a qualified wetland biologist to monitor implementation of mitigation measures.</p> <p>k) Schedule construction activities to avoid sensitive times for biological resources and to avoid the rainy season when erosion and sediment transport is increased.</p> <p>l) When construction activities require stream crossings, schedule work during dry conditions and use rubber-wheeled vehicles, when feasible. Have a qualified wetland scientist determine if potential project impacts require a Notification of Lake or Streambed Alteration to CDFW during the planning phase of projects.</p> <p>m) Consult with local agencies, jurisdictions, and landowners where such state-designated sensitive or riparian habitats are afforded protection pursuant an adopted regional conservation plan.</p> <p>n) Install fencing and/or mark sensitive habitat to be avoided during construction activities.</p> <p>o) Salvage and stockpile topsoil (the surface material from 6 to 12 inches deep) and perennial native plants, when recommended by the qualified wetland biologist, for use in restoring native vegetation to areas of temporary disturbance within the project area. Salvage of soils containing invasive species, seeds and/or rhizomes will be avoided as identified by the qualified wetland biologist.</p> <p>p) Revegetate with appropriate native vegetation following the completion of construction activities, as identified by the qualified wetland biologist.</p>		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> q) Complete habitat enhancement (e.g., through removal of non-native invasive wetland species and replacement with more ecologically valuable native species). r) Use Best Management Practices (BMPs) at construction sites to minimize erosion and sediment transport from the area. BMPs include encouraging growth of native vegetation in disturbed areas, using straw bales or other silt-catching devices, and using settling basins to minimize soil transport. 		
<p>PMM BIO-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wetlands, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency.</p> <ul style="list-style-type: none"> a) Require project design to avoid federally protected aquatic resources consistent with the provisions of Sections 404 and 401 of the CWA, wherever practicable and feasible. b) Where the lead agency has identified that a project, or other regionally significant project, has the potential to impact other wetlands or waters, such as those considered Waters Of the State of California under the State Wetland Definition and Procedures for Dischargers of Dredged or Fill Material to Waters of the State, not protected under Section 404 or 401 of the CWA, seek comparable coverage for these wetlands and waters in consultation with the SWRCB, applicable RWQCB, and CDFW. c) Where avoidance is determined to be infeasible, develop sufficient conservation measures to fulfill the requirements of the applicable authorization for impacts to federal and state protected aquatic resource to support issuance of a permit under Section 404 of the CWA as administered by the USACE. The use of an authorized Nationwide Permit or issuance of an individual permit requires the project applicant to demonstrate compliance with the USACE’s Final Compensatory Mitigation Rule. The USACE reviews projects to ensure environmental impacts to aquatic resources are avoided or minimized as much as possible. Consistent with the administration’s performance standard of “no net loss of wetlands” a USACE permit may require a project proponent to restore, establish, enhance or preserve other aquatic resources in order to replace those affected by the proposed project. This compensatory mitigation process seeks to replace the loss of existing aquatic resource functions and area. Project proponents required to complete mitigation are encouraged to use a watershed approach and watershed planning information. The new rule establishes performance standards, sets timeframes for decision making, and to the extent possible, establishes equivalent requirements and standards for the three sources of compensatory mitigation: <ul style="list-style-type: none"> — Permittee-responsible mitigation — Contribution of in-kind in-lieu fees — Use of in-kind mitigation bank credits — Where avoidance is determined to be infeasible and d) Where avoidance is determined to be infeasible and proposed projects’ impacts exceed an existing Nationwide Permit (NWP) and/or California SWRCB-certified NWP, or applicable County Special Area Management Plan (SAMP), the lead agency should provide USACE and SWRCB (where applicable) an alternative analysis consistent with the Least Environmentally Damaging Practicable Alternatives in this order of priorities: <ul style="list-style-type: none"> — Avoidance — Impact Minimization 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> — On-site alternatives — Off-site alternatives <p>e) Require review of construction drawings by a certified wetland delineator as part of each project-specific environmental analysis to determine whether aquatic resources will be affected and, if necessary, perform formal wetland delineation.</p>		
<p>SMM BIO-3: SCAG shall coordinate with Caltrans and facilitate research, programs and policies to identify, protect and restore natural habitat corridors, especially where corridors cross county boundaries. Additionally, continue support for preserving wildlife corridors and wildlife crossings to minimize the impact of transportation projects on wildlife species and habitat fragmentation. SCAG shall disseminate key information related to the preservation and implementation of wildlife corridors and crossings by showcasing best practices at SCAG’s Natural Lands Working Groups. SCAG shall also distribute wildlife corridors and crossings data to local jurisdictions, so they may incorporate said data into their general plans, as applicable.</p>	Ongoing over the life of the plan	SCAG
<p>PMM BIO-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wildlife movement, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Consult with the USFS where impacts to migratory wildlife corridors may occur in an area afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-County area: Angeles, Cleveland, Los Padres, and San Bernardino. b) Consult with counties, cities, and other local organizations when impacts may occur to open space areas that have been designated as important for wildlife movement related to local ordinances or conservation plans. c) Prohibit construction activities within 500 feet of occupied breeding areas for wildlife afforded protection pursuant to Title 14 § 460 of the California Code of Regulations protecting fur-bearing mammals, during the breeding season. d) Conduct a survey to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31. e) Prohibit construction activities with 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season. f) Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1, or following the nesting season. g) When feasible and practicable, proposed projects will be designed to minimize impacts to wildlife movement and habitat connectivity and preserve existing and functional wildlife corridors. h) Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on- and off-site. i) Long linear projects with the possibility of impacting wildlife movement should analyze habitat linkages/wildlife movement corridors on a broad scale to avoid critical narrow choke points that could reduce function of recognized movement corridor. j) Require review of construction drawings and habitat connectivity mapping by a qualified biologist to 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>determine the risk of habitat fragmentation.</p> <p>k) Pursue mitigation banking to preserve habitat linkages and corridors (opportunities to purchase, maintain, and/or restore offsite habitat).</p> <p>l) When practicable and feasible design projects to promote wildlife corridor redundancy by including multiple connections between habitat patches.</p> <p>m) Evaluate the potential for installation of overpasses, underpasses, and culverts to create wildlife crossings in cases where a roadway or other transportation project may interrupt the flow of species through their habitat. Retrofitting of existing infrastructure in project areas should also be considered for wildlife crossings for purposes of mitigation.</p> <p>n) Install wildlife fencing where appropriate to minimize the probability of wildlife injury due to direct interaction between wildlife and roads or construction.</p> <p>o) Where avoidance is determined to be infeasible, design sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) and in accordance with the respective counties and cities general plans to establish plans to mitigate for the loss of fish and wildlife movement corridors and/or wildlife nursery sites. The consideration of conservation measures may include the following measures, in addition to the measures outlined in MM-BIO-1(b), where applicable:</p> <ul style="list-style-type: none"> — Wildlife movement buffer zones — Corridor realignment — Appropriately spaced breaks in center barriers — Stream rerouting — Culverts — Creation of artificial movement corridors such as freeway under- or overpasses — Other comparable measures <p>p) Where the lead agency has identified that a RTP/SCS project, or other regionally significant project, has the potential to impact other open space or nursery site areas, seek comparable coverage for these areas in consultation with the USFWS, CDFW, NMFS, or other local jurisdictions.</p> <p>q) Incorporate applicable and appropriate guidance (e.g. FHWA-HEP-16-059), as well as best management practices, to benefit pollinators with a focus on native plants.</p> <p>r) Implement berms and sound/sight barriers at all wildlife crossings to encourage wildlife to utilize crossings. Sound and lighting should also be minimized in developed areas, particularly those that are adjacent to or go through natural habitats.</p> <p>s) Reduce lighting impacts on sensitive species through implementation of mitigation measures such as, but not limited to:</p> <ul style="list-style-type: none"> — Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting. — Design exterior lighting to confine illumination to the project site — Provide structural and/or vegetative screening from light-sensitive uses. — Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>used on building surfaces.</p> <ul style="list-style-type: none"> — Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties. <p>t) Reduce noise impacts to sensitive species through implementation of mitigation measures such as, but not limited to:</p> <ul style="list-style-type: none"> — Install temporary noise barriers during construction. — Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses. — Ensure that construction equipment are properly maintained per manufacturers’ specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded. — Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures. — Using rubberized asphalt or “quiet pavement” to reduce road noise for new roadway segments, roadways in which widening or other modifications require re-pavement, or normal reconstruction of roadways where re-pavement is planned — Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction. — Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures. <p>u) Require large buffers between sensitive uses and freeways.</p> <p>v) Create corridor redundancy to help retain functional connectivity and resilience.</p>		
<p>PMM BIO-5: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce conflicts with local policies and ordinances protecting biological resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Consult with the appropriate local agency responsible for the administration of the policy or ordinance protecting biological resources. b) Prioritize retention of trees on-site consistent with local regulations. Provide adequate protection during the construction period for any trees that are to remain standing, as recommended by an International Society of 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>Arboriculture (ISA) certified arborist.</p> <p>c) If specific project area trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” obtain approval for encroachment or removals through the appropriate entity, and develop appropriate mitigation measures at that time, to ensure that the trees are replaced. Mitigation trees shall be locally collected native species, as directed by a qualified biologist.</p> <p>d) Appoint an ISA certified arborist to monitor construction activities that may occur in areas with trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” to facilitate avoidance of resources not permitted for impact. Before the start of any clearing, excavation, construction or other work on the site, securely fence off every protected tree deemed to be potentially endangered by said site work. Keep such fences in place for duration of all such work. Clearly mark all trees to be removed.</p> <p>e) Establish a scheme for the removal and disposal of logs, brush, earth and other debris that will avoid injury to any protected tree. Where proposed development or other site work could encroach upon the protected perimeter of any protected tree, incorporate special measures to allow the roots to breathe and obtain water and nutrients. Minimize any excavation, cutting, filing, or compaction of the existing ground surface within the protected perimeter. Require that no change in existing ground level occur from the base of any protected tree at any time. Require that no burning or use of equipment with an open flame occur near or within the protected perimeter of any protected tree.</p> <p>f) Require that no storage or dumping of oil, gas, chemicals, or other substances that may be harmful to trees occur from the base of any protected trees, or any other location on the site from which such substances might enter the protected perimeter. Require that no heavy construction equipment or construction materials be operated or stored within a distance from the base of any protected trees. Require that wires, ropes, or other devices not be attached to any protected tree, except as needed for support of the tree. Require that no sign, other than a tag showing the botanical classification, be attached to any protected tree.</p> <p>g) Thoroughly spray the leaves of protected trees with water periodically during construction to prevent buildup of dust and other pollution that would inhibit leaf transpiration, as directed by the certified arborist.</p> <p>h) If any damage to a protected tree should occur during or as a result of work on the site, the appropriate local agency will be immediately notified of such damage. If, such tree cannot be preserved in a healthy state, as determined by the certified arborist, require replacement of any tree removed with another tree or trees on the same site deemed adequate by the local agency to compensate for the loss of the tree that is removed. Remove all debris created as a result of any tree removal work from the property within two weeks of debris creation, and such debris shall be properly disposed of in accordance with all applicable laws, ordinances, and regulations. Design projects to avoid conflicts with local policies and ordinances protecting biological resources</p> <p>i) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the applicable policy or ordinance shall be developed, such as to support issuance of a tree removal permit. The consideration of conservation measures may include:</p> <ul style="list-style-type: none"> — Avoidance strategies — Contribution of in-lieu fees — Planting of replacement trees — Re-landscaping areas with native vegetation post-construction 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>— Other comparable measures developed in consultation with local agency and certified arborist.</p>		
<p>PMM BIO-6: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on HCPs and NCCPs, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Consult with the appropriate federal, state, and/or local agency responsible for the administration of HCPs or NCCPs. b) Wherever practicable and feasible, the project shall be designed to avoid lands preserved under the conditions of an HCP or NCCP. c) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the HCP and/or NCCP, which would include but not be limited to applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal Endangered Species Act or Section 2081 of the California ESA, shall be developed to support issuance of an incidental take permit or any other permissions required for development within the HCP/NCCP boundaries. The consideration of additional conservation measures would include the measures outlined in SMM-BIO-2, where applicable. 	Ongoing over the life of the plan	Lead Agency
Cultural Resources		
<p>SMM CULT-1: Impacts to cultural resources shall be minimized through cooperation, information sharing, and SCAG’s ongoing regional planning efforts such as web-based planning tools for local governments including CA LOTS, and other GIS tools and data services, including, but not limiting to, Map Gallery, GIS library, and GIS applications <u>(note that no confidential cultural or tribal cultural resource location information will be housed in this database. All regulations pertaining to cultural resources site location confidentiality will be respected)</u>; and direct technical assistance efforts such as Toolbox Tuesday series and sharing of associated online Training materials. SCAG shall consult with resource agencies such as the National Park Service, Office of Historic Preservation, and Native American Heritage Commission, and with Native American tribes, to identify opportunities for early and effective consultation to identify archaeological sites, historical resources, and cemeteries to avoid such resources wherever practicable and feasible and reduce or mitigate for conflicts in compatible land use to the maximum extent practicable.</p>	Ongoing over the life of the plan	SCAG
<p>PMM CULT-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to historical resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Pursuant to <i>CEQA Guidelines</i> Section 15064.5, conduct a record search during the project planning phase at the appropriate Information Center to determine whether the project area has been previously surveyed and whether historical resources were identified. b) During the project planning phase, retain a qualified architectural historian, defined as an individual who meets the Secretary of the Interior’s (SOI) Professional Qualification Standards (PQS) in Architectural History, to conduct historic architectural surveys if a built environment resource greater than 45 years in age may be affected by the project or if recommended by the Information Center. c) Comply with Section 106 of the National Historic Preservation Act (NHPA) including, but not limited to, projects for which federal funding or approval is required for the individual project. This law requires federal 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>agencies to evaluate the impact of their actions on resources included in or eligible for listing in the National Register. Federal agencies must coordinate with the State Historic Preservation Officer in evaluating impacts and developing mitigation. These mitigation measures may include, but are not limited to the following:</p> <ul style="list-style-type: none"> — Employ design measures to avoid historical resources and undertake adaptive reuse where appropriate and feasible. If resources are to be preserved, as feasible, carry out the maintenance, repair, stabilization, rehabilitation, restoration, preservation, conservation or reconstruction in a manner consistent with the Secretary of the Interior’s Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. If resources would be impacted, impacts should be minimized to the extent feasible. — Where feasible, noise buffers/walls and/or visual buffers/landscaping should be constructed to preserve the contextual setting of significant built resources. <p>d) If a project requires the relocation, rehabilitation, or alteration of an eligible historical resource, the Secretary of the Interior’s Standards for the Treatment of Historic Properties should be used to the maximum extent possible to ensure the historical significance of the resource is not impaired. The application of the standards should be overseen by an architectural historian or historic architect meeting the SOI PQS. Prior to any construction activities that may affect the historical resource, a report, meeting industry standards, should identify and specify the treatment of character-defining features and construction activities and be provided to the Lead Agency for review and approval.</p> <p>e) If a project would result in the demolition or significant alteration of a historical resource eligible for or listed in the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), or local register, recordation should take the form of Historic American Buildings Survey (HABS), Historic American Engineering Record (HAER), or Historic American Landscape Survey (HALS) documentation, and should be performed by an architectural historian or historian who meets the SOI PQS. Recordation should meet the SOI Standards and Guidelines for Architectural and Engineering, which defines the products acceptable for inclusion in the HABS/HAER/HALS collection at the Library of Congress. The specific scope and details of documentation should be developed at the project level in coordination with the Lead Agency.</p> <p>f) During the project planning phase, obtain a qualified archaeologist, defined as one who meets the SOI PQS for archaeology, to conduct a record search at the appropriate Information Center of the California Historical Resources Information System (CHRIS) to determine whether the project area has been previously surveyed and whether resources were identified.</p> <p>g) Contact the NAHC to request a Sacred Lands File search and a list of relevant Native American contacts who may have additional information.</p> <p>h) During the project planning phase, obtain a qualified archaeologist or architectural historian (depending on applicability) to conduct archaeological and/or historic architectural surveys as recommended by the qualified professional, the Lead Agency, or the Information Center. In the event the qualified professional or Information Center will make a recommendation on whether a survey is warranted based on the sensitivity of the project area for archaeological resources. Survey shall be conducted where the records indicate that no previous survey has been conducted, or if survey has not been conducted within the past 10 years. If tribal resources are identified during tribal outreach, consultation, or the record search, a Native American representative traditionally affiliated with the project area, as identified by the NAHC, shall be given the opportunity to provide a representative or monitor to assist with archaeological surveys.</p> <p>i) If potentially significant archaeological resources are identified through survey, and impacts to these</p>		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>resources cannot be avoided, a Phase II Testing and Evaluation investigation should be performed by a qualified archaeologist prior to any construction-related ground-disturbing activities to determine significance. If resources determined significant or unique through Phase II testing, and avoidance is not possible, appropriate resource-specific mitigation measures should be established by the lead agency, in consultation with consulting tribes, where appropriate, and undertaken by qualified personnel. These might include a Phase III data recovery program implemented by a qualified archaeologist and performed in accordance with the OHP's Archaeological Resource Management Reports (ARMR): Recommended Contents and Format and Guidelines for Archaeological Research Designs. Additional options can include 1) interpretative signage, or 2) educational outreach that helps inform the public of the past activities that occurred in this area. Should the project require extended Phase I testing, Phase II evaluation, or Phase III data recovery, a Native American representative traditionally affiliated with the project area, as indicated by the NAHC, shall be given the opportunity to provide a representative or monitor to assist with the archaeological assessments. The long-term disposition of archaeological materials collected from a significant resource should be determined in consultation with the affiliated tribe(s), where relevant; this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinterment in an area designated by the tribe.</p> <p>j) In cases where the project area is developed and no natural ground surface is exposed, sensitivity for subsurface resources should be assessed based on review of literature, geology, site development history, and consultation with tribal parties. If this archaeological desktop assessment indicates that the project is located in an area sensitive for archaeological resources, as determined by the Lead Agency in consultation with a qualified archaeologist, the project should retain an archaeological monitor and, in the case of sensitivity for tribal resources, a tribal monitor, to observe ground disturbing operations, including but not limited to grading, excavation, trenching, or removal of existing features of the subject property. The archaeological monitor should be supervised by an archaeologist meeting the SOI PQS</p> <p>k) Conduct construction activities and excavation to avoid cultural resources (if identified). If avoidance is not feasible, further work may be needed to determine the importance of a resource. Retain a qualified archaeologist, and/or as appropriate, a qualified architectural historian who should make recommendations regarding the work necessary to assess significance. If the cultural resource is determined to be significant under state or federal guidelines, impacts to the cultural resource will need to be mitigated.</p> <p>l) Stop construction activities and excavation in the area where cultural resources are found until a qualified archaeologist can determine whether these resources are significant, and tribal consultation can be conducted, in the case of tribal resources. If the archaeologist determines that the discovery is significant, its long-term disposition should be determined in consultation with the affiliated tribe(s); this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinterment in an area designated by the tribe.</p>		
<p>PMM CULT-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to human remains, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) In the event of discovery or recognition of any human remains during construction or excavation activities associated with the project, in any location other than a dedicated cemetery, cease further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>coroner of the county in which the remains are discovered has been informed and has determined that no investigation of the cause of death is required.</p> <p>b) If any discovered remains are of Native American origin, as determined by the county Coroner, an experienced osteologist, or another qualified professional:</p> <ul style="list-style-type: none"> — Contact the County Coroner to contact the NAHC to designate a Native American Most Likely Descendant (MLD). The MLD should make a recommendation to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods. This may include obtaining a qualified archaeologist or team of archaeologists to properly excavate the human remains. In some cases, it is necessary for the Lead Agency, qualified archaeologist, or developer to also reach out to the NAHC to coordinate and ensure notification in the event the Coroner is not available. — If the NAHC is unable to identify a MLD, or the MLD fails to make a recommendation within 48 hours after being notified by the commission, or the landowner or his representative rejects the recommendation of the MLD and the mediation by the NAHC fails to provide measures acceptable to the landowner, obtain a culturally affiliated Native American monitor, and an archaeologist, if recommended by the Native American monitor, and rebury the Native American human remains and any associated grave goods, with appropriate dignity, on the property and in a location that is not subject to further subsurface disturbance. 		
Geology and Soils		
<p>SMM-GEO-1: SCAG shall facilitate the minimization of substantial soil erosion or loss of topsoil through cooperation, information sharing, and regional program development as part of SCAG’s ongoing regional planning efforts. Such efforts shall include web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts such as training series and sharing of associated online training materials. Resource agencies, such as the U.S. Geology Survey, shall be consulted during this update process.</p>	Ongoing over the life of the plan	SCAG
<p>PMM-GEO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to historical resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Consistent with the CBC and local regulatory agencies with oversight of development associated with the Plan, ensure that site-specific geotechnical investigations conducted by a qualified geotechnical expert are conducted to ascertain soil types prior to preparation of project designs. These investigations can and should identify areas of potential failure and recommend remedial geotechnical measures to eliminate any problems.</p> <p>b) Consistent with the requirements of the State Water Resources Control Board (SWRCB) for projects over one acre in size, obtain coverage under the General Construction Activity Storm Water Permit (General Construction Permit) issued by the SWRCB and prepare a stormwater pollution prevention plan (SWPPP) and submit the plan for review and approval by the Regional Water Quality Control Board (RWQCB). At a minimum, the SWPPP should include a description of construction materials, practices, and equipment storage and maintenance; a list of pollutants likely to contact stormwater; site-specific erosion and sedimentation control practices; a list of provisions to eliminate or reduce discharge of materials to stormwater; best management practices (BMPs); and an inspection and monitoring program.</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> c) Consistent with the requirements of the SWRCB and local regulatory agencies with oversight of development associated with the Plan, ensure that project designs provide adequate slope drainage and appropriate landscaping to minimize the occurrence of slope instability and erosion. Design features should include measures to reduce erosion caused by storm water. Road cuts should be designed to maximize the potential for revegetation. d) Consistent with the CBC and local regulatory agencies with oversight of development associated with the Plan, ensure that, prior to preparing project designs, new and abandoned wells are identified within construction areas to ensure the stability of nearby soils. 		
<p>SMM GEO-2: Impacts to paleontological resources shall be minimized through cooperation, information sharing, and SCAG’s ongoing regional planning efforts such as web-based planning tools for local governments including CA LOTS, and other GIS tools and data services, including, but not limiting to, Map Gallery, GIS library, and GIS applications; and direct technical assistance efforts such as training series and sharing of associated online training materials. SCAG shall consult with resource agencies such as the National Park Service, United States Forest Service, and Bureau of Land Management to identify opportunities for early and effective consultation to identify unique paleontological resources and unique geological features to avoid such resources wherever practicable and feasible and reduce or mitigation for conflicts in compatible land use to the maximum extent practicable.</p>	Ongoing over the life of the plan	SCAG
<p>PMM GEO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to paleontological resources. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Ensure compliance with the Paleontological Resources Preservation Act, the Federal Land Policy and Management Act, the Antiquities Act, Section 5097.5 of the Public Resources Code (PRC), adopted county and city general plans, and other federal, state and local regulations, as applicable and feasible, by adhering to and incorporating the performance standards and practices from the 2010 Society for Vertebrate Paleontology (SVP) standard procedures for the assessment and mitigation of adverse impacts to paleontological resources. b) Obtain review by a qualified paleontologist (e.g. who meets the SVP standards for a Principal Investigator or Project Paleontologist or the Bureau of Land Management (BLM) standards for a Principal Investigator), to determine if the project has the potential to require ground disturbance of parent material with potential to contain unique paleontological or resources, or to require the substantial alteration of a unique geologic feature. The assessment should include museum records searches, a review of geologic mapping and the scientific literature, geotechnical studies (if available), and potentially a pedestrian survey, if units with paleontological potential are present at the surface. c) Avoid exposure or displacement of parent material with potential to yield unique paleontological resources. d) Where avoidance of parent material with the potential to yield unique paleontological resources is not feasible: <ul style="list-style-type: none"> 1. All on-site construction personnel receive Worker Education and Awareness Program (WEAP) training prior to the commencement of excavation work to understand the regulatory framework that provides for protection of paleontological resources and become familiar with diagnostic characteristics of the materials with the potential to be encountered. 2. A qualified paleontologist prepares a Paleontological Resource Management Plan (PRMP) to guide the 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>salvage, documentation and repository of unique paleontological resources encountered during construction. The PRMP should adhere to and incorporate the performance standards and practices from the 2010 SVP Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources. If unique paleontological resources are encountered during construction, use a qualified paleontologist to oversee the implementation of the PRMP.</p> <p>3. Monitor ground disturbing activities in parent material, with a moderate to high potential to yield unique paleontological resources using a qualified paleontological monitor meeting the standards of the SVP or the BLM to determine if unique paleontological resources are encountered during such activities, consistent with the specified or comparable protocols.</p> <p>4. Identify where ground disturbance is proposed in a geologic unit having the potential for containing fossils and specify the need for a paleontological monitor to be present during ground disturbance in these areas.</p> <p>e) Avoid routes and project designs that would permanently alter unique geological features.</p> <p>f) Salvage and document adversely affected resources sufficient to support ongoing scientific research and education.</p> <p>g) Significant recovered fossils should be prepared to the point of curation, identified by qualified experts, listed in a database to facilitate analysis, and deposited in a designated paleontological curation facility.</p> <p>h) Following the conclusion of the paleontological monitoring, the qualified paleontologist should prepare a report stating that the paleontological monitoring requirement has been fulfilled and summarize the results of any paleontological finds. The report should be submitted to the lead CEQA and the repository curating the collected artifacts, and should document the methods and results of all work completed under the PRMP, including treatment of paleontological materials, results of specimen processing, analysis, and research, and final curation arrangements.</p>		
Greenhouse Gases		
<p>SMM GHG-1: SCAG, in partnership with local air districts, shall continue to work with the counties and cities to adopt qualified GHG reduction plans (e.g., climate action plans [CAPs], develop GHG-reducing planning policies, and implement local climate initiatives. These reductions can be achieved through a combination of programs that implement plans developed collaboratively, including ZNE in new construction, retrofits of existing buildings, incentivizing the development of renewable energy sources that serve both new and existing land uses, as well as measures to reduce GHG emissions from transportation sources.</p> <p>Additionally, SCAG shall continue to update the Green Region Initiative (GRI) Sustainability Indicators Mapping tool, which serves as an interactive information resource for jurisdictions within the SCAG region to measure and track sustainability progress in the region across 12 categories and 29 sustainability indicators. The tool fosters collaboration through the sharing of best practices across the 191 cities and six counties in the SCAG region, and identifies opportunities for improving sustainability practices (due to the recent inclusion of SB 535 Disadvantaged Communities data).</p>	Ongoing over the life of the plan	SCAG
<p>SMM GHG-2: SCAG shall encourage energy efficient design for buildings, through SCAG’s Sustainable Communities Program potentially including strengthening local building codes for new construction and renovation to achieve a higher level of energy efficiency.</p>	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>SMM GHG-3: SCAG shall continue supporting deployment of zero-emission (ZEV) vehicles and ZEV infrastructure in the region through its Clean Cities Program and Electric Vehicle (EV) Program. This will include working with partners such as universities, utilities, regulating agencies, the private sector, national laboratories and the US Department of Energy, NGOs, and member agencies to share information, resources, and data, to showcase best practices, and to provide support or teaming arrangements to help bring funding, projects, or other resources to the region. SCAG shall also support member agencies and other stakeholders in making decisions about and removing barriers to ZEV infrastructure. Potential deliverables include, but are not limited to:</p> <ul style="list-style-type: none"> — EV Charging Station Studies — On-going webinars, meetings, outreach and GRI data to support AB1236 compliance and the forthcoming Hydrogen Permitting Guidebook. <p>SCAG shall also create the framework for a program to identify funding and provide rebates and/or other funding for light duty ZEVs and supportive infrastructure.</p>	Ongoing over the life of the plan	SCAG
<p>SMM GHG-4: SCAG shall continue to pursue partnerships with SCE, municipal utilities, locally operated electricity providers and CPUC to promote energy efficient development in the SCAG region, through coordinated planning and data and information sharing activities.</p>	Ongoing over the life of the plan	SCAG
<p>PMM-GHG-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to greenhouse gas emissions, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ol style="list-style-type: none"> a) Integrate green building measures consistent with CALGreen (California Building Code Title 24), local building codes and other applicable laws, into project design including: <ol style="list-style-type: none"> i) Use energy efficient materials in building design, construction, rehabilitation, and retrofit. ii) Install energy-efficient lighting, heating, and cooling systems (cogeneration); water heaters; appliances; equipment; and control systems. iii) Reduce lighting, heating, and cooling needs by taking advantage of light-colored roofs, trees for shade, and sunlight. iv) Incorporate passive environmental control systems that account for the characteristics of the natural environment. v) Use high-efficiency lighting and cooking devices. vi) Incorporate passive solar design. vii) Use high-reflectivity building materials and multiple glazing. viii) Prohibit gas-powered landscape maintenance equipment. ix) Install electric vehicle charging stations. x) Reduce wood burning stoves or fireplaces. xi) Provide bike lanes accessibility and parking at residential developments. b) Reduce emissions resulting from projects through implementation of project features, project design, or other measures, such as those described in Appendix F of the <i>State CEQA Guidelines</i>. 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> c) Include off-site measures to mitigate a project’s emissions. d) Measures that consider incorporation of Best Available Control Technology (BACT) during design, construction and operation of projects to minimize GHG emissions, including but not limited to: <ul style="list-style-type: none"> i) Use energy and fuel-efficient vehicles and equipment; ii) Deployment of zero- and/or near zero emission technologies; iii) Use lighting systems that are energy efficient, such as LED technology; iv) Use the minimum feasible amount of GHG-emitting construction materials; v) Use cement blended with the maximum feasible amount of flash or other materials that reduce GHG emissions from cement production; vi) Incorporate design measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse; vii) Incorporate design measures to reduce energy consumption and increase use of renewable energy; viii) Incorporate design measures to reduce water consumption; ix) Use lighter-colored pavement where feasible; x) Recycle construction debris to maximum extent feasible; xi) Plant shade trees in or near construction projects where feasible; and xii) Solicit bids that include concepts listed above. e) Measures that encourage transit use, carpooling, bike-share and car-share programs, active transportation, and parking strategies, including, but not limited to the following: <ul style="list-style-type: none"> i) Promote transit-active transportation coordinated strategies; ii) Increase bicycle carrying capacity on transit and rail vehicles; iii) Improve or increase access to transit; iv) Increase access to common goods and services, such as groceries, schools, and day care; v) Incorporate affordable housing into the project; vi) Incorporate the neighborhood electric vehicle network; vii) Orient the project toward transit, bicycle and pedestrian facilities; viii) Improve pedestrian or bicycle networks, or transit service; ix) Provide traffic calming measures; x) Provide bicycle parking; xi) Limit or eliminate park supply through; <ul style="list-style-type: none"> i. Elimination (or reduction) of minimum parking requirements ii. Creation of maximum parking requirements iii. Provision of shared parking. xii) Unbundle parking costs; 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> xiii) Provide parking cash-out programs; xiv) Implement or provide access to commute reduction program; f) Incorporate bicycle and pedestrian facilities into project designs, maintaining these facilities, and providing amenities incentivizing their use; and planning for and building local bicycle projects that connect with the regional network; g) Improving transit access to rail and bus routes by incentives for construction of transit facilities within developments, and/or providing dedicated shuttle service to transit stations; and h) Adopting employer trip reduction measures to reduce employee trips such as vanpool and carpool programs, providing end-of-trip facilities, and telecommuting programs including but not limited to measures that: <ul style="list-style-type: none"> i) Provide car-sharing, bike sharing, and ride-sharing programs; ii) Provide transit passes; iii) Shift single occupancy vehicle trips to carpooling or vanpooling, for example providing ride-matching services; iv) Provide incentives or subsidies that increase that use of modes other than single-occupancy vehicle; v) Provide on-site amenities at places of work, such as priority parking for carpools and vanpools, secure bike parking, and showers and locker rooms; vi) Provide employee transportation coordinators at employment sites; vii) Provide a guaranteed ride home service to users of non-auto modes. i) Designate a percentage of parking spaces for ride-sharing vehicles or high-occupancy vehicles, and provide adequate passenger loading and unloading for those vehicles; j) Land use siting and design measures that reduce GHG emissions, including: <ul style="list-style-type: none"> i) Developing on infill and brownfields sites; ii) Building compact and mixed-use developments near transit; iii) Retaining on-site mature trees and vegetation, and planting new canopy trees; iv) Measures that increase vehicle efficiency, encourage use of zero and low emissions vehicles, or reduce the carbon content of fuels, including constructing or encouraging construction of electric vehicle charging stations or neighborhood electric vehicle networks, or charging for electric bicycles; and v) Measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse. k) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities. The measures provided above are also intended to be applied in low income and minority communities as applicable and feasible. l) Require at least five percent of all vehicle parking spaces include electric vehicle charging stations, or at a minimum, require the appropriate infrastructure to facilitate sufficient electric charging for passenger vehicles and trucks to plug-in. m) Encourage telecommuting and alternative work schedules, such as: <ul style="list-style-type: none"> i) Staggered starting times 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> ii) Flexible schedules iii) Compressed work weeks n) Implement commute trip reduction marketing, such as: <ul style="list-style-type: none"> i) New employee orientation of trip reduction and alternative mode options ii) Event promotions iii) Publications o) Implement preferential parking permit program p) Implement school pool and bus programs q) Price workplace parking, such as: <ul style="list-style-type: none"> i) Explicitly charging for parking for its employees; ii) Implementing above market rate pricing; iii) Validating parking only for invited guests; iv) Not providing employee parking and transportation allowances; and v) Educating employees about available alternatives. 		
Hazards and Hazardous Materials		
SMM HAZ-1: SCAG shall work with the U.S. DOT, the Office of Environmental Service Caltrans, and the private sector to continue to conduct driver safety training programs and enforce speed limits on roadways. In an effort to reduce risks associated with the transport of hazardous materials in the SCAG region, SCAG shall encourage the U.S. Department of Transportation and the California Highway Patrol to continue to enforce speed limits and existing regulations governing goods movement and hazardous materials transportation.	Ongoing over the life of the plan	SCAG
SMM HAZ-2: SCAG shall notify member agencies of the importance of ensuring that construction and operation of transportation projects provide for the safe transport and disposal of hazardous waste, consistent with the provisions of HMR, 49 CFR Parts 171–180.	Ongoing over the life of the plan	SCAG
SMM HAZ-3: SCAG shall coordinate with the Office of Environmental Services to identify any transportation infrastructure elements within the SCAG region where risks to people and property occur at an above-average incident level, potentially warranting consideration for remedial design in future regional transportation plans (RTPs).	Ongoing over the life of the plan	SCAG
PMM HAZ-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to the routine transport, use, or disposal of hazardous materials, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> a) Where the construction or operation of projects involves the transport of hazardous material, provide a written plan of proposed routes of travel demonstrating use of roadways designated for the transport of such materials. b) Specify Project requirements for interim storage and disposal of hazardous materials during construction and operation. Storage and disposal strategies must be consistent with applicable federal, state, and local statutes and regulations. Specify the appropriate procedures for interim storage and disposal of hazardous materials, anticipated to be required in support of operations and maintenance activities, in conformance with 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>applicable federal, state, and local statutes and regulations, in the business plan for projects as applicable and appropriate.</p> <p>c) Submit a Hazardous Materials Business/Operations Plan for review and approval by the appropriate local agency. Once approved, keep the plan on file with the Lead Agency (or other appropriate government agency) and update, as applicable. The purpose of the Hazardous Materials Business/Operations Plan is to ensure that employees are adequately trained to handle the materials and provides information to the local fire protection agency should emergency response be required. The Hazardous Materials Business/Operations Plan should include the following:</p> <ul style="list-style-type: none"> — The types of hazardous materials or chemicals stored and/or used on-site, such as petroleum fuel products, lubricants, solvents, and cleaning fluids. — The location of such hazardous materials. — An emergency response plan including employee training information. — A plan that describes the way these materials are handled, transported and disposed. <p>d) Follow manufacturer’s recommendations on use, storage, and disposal of chemical products used in construction.</p> <p>e) Avoid overtopping construction equipment fuel gas tanks.</p> <p>f) Properly contain and remove grease and oils during routine maintenance of construction equipment.</p> <p>g) Properly dispose of discarded containers of fuels and other chemicals.</p> <p>h) Prior to shipment remove the most volatile elements, including flammable natural gas liquids, as feasible.</p> <p>i) Identify and implement more stringent tank car safety standards.</p> <p>j) Improve rail transportation route analysis, and modification of routes based on that analysis.</p> <p>k) Use the best available inspection equipment and protocols and implement positive train control.</p> <p>l) Reduce train car speeds to 40 miles per hour when passing through urbanized areas of any size.</p> <p>m) Limit storage of crude oil tank cars in urbanized areas of any size and provide appropriate security in storage yards for all shipments.</p> <p>n) Notify in advance county and city emergency operations offices of all crude oil shipments, including a contact number that can provide real-time information in the event of an oil train derailment or accident.</p> <p>o) Report quarterly hazardous commodity flow information, including classification and characterization of materials being transported, to all first response agencies (49 Code Fed. Regs. 15.5) along the mainline rail routes used by trains carrying crude oil identified.</p> <p>p) Fund training and outfitting emergency response crews that includes the cost of backfilling personnel while in training.</p> <p>q) Undertake annual emergency responses scenario/field based training including Emergency Operations Center Training activations with local emergency response agencies.</p>		
<p>PMM HAZ-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce hazards related to the reasonably foreseeable upsets and accidents involving the release of hazardous materials, as applicable and feasible. Such</p>	<p>Ongoing over the life of the plan</p>	<p>Lead Agency</p>

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>measures may include the following or other comparable measures identified by the Lead Agency: Require implementation of safety standards regarding transport of hazardous materials, including but not limited to the following:</p> <ul style="list-style-type: none"> a) Removal of the most volatile elements, including flammable natural gas liquids, prior to shipment; b) More stringent tank car safety standards; c) Improved rail transportation route analysis, and modification of routes based on that analysis; d) Utilization of the best available inspection equipment and protocols, and implementation of positive train control; e) Reduced train car speeds to 40 miles per hour when passing through urbanized areas of any size; f) Limitations on storage of hazardous materials tank cars in urbanized areas of any size and provide appropriate security in storage yards for all shipments; g) Advance notification to county and city emergency operations offices of all crude oil and hazardous materials shipments, including a contact number that can provide real-time information in the event of an oil train derailment or accident; h) Quarterly hazardous commodity flow information, including classification and characterization of materials being transported, to all first response agencies (49 Code Fed. Regs. 15.5) along the mainline rail routes used by trains carrying hazardous materials. 		
<p>PMM HAZ-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to the release of hazardous materials within one-quarter mile of schools, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Where the construction and operation of projects involves the transport of hazardous materials, avoid transport of such materials within one-quarter mile of schools, when school is in session, wherever feasible. b) Where it is not feasible to avoid transport of hazardous materials, within one-quarter mile of schools on local streets, provide notifications of the anticipated schedule of transport of such materials. 	Ongoing over the life of the plan	Lead Agency
<p>PMM HAZ-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to projects that are located on a site which is included on the Cortese List, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) For any listed sites or sites that have the potential for residual hazardous materials as a result of historic land uses, complete a Phase I Environmental Site Assessment, including a review and consideration of data from all known databases of contaminated sites, during the process of planning, environmental clearance, and construction for projects. b) Where warranted due to the known presence of contaminated materials, submit to the appropriate agency responsible for hazardous materials/wastes oversight a Phase II Environmental Site Assessment report if warranted by a Phase I report for the project site. The reports should make recommendations for remedial action, if appropriate, and be signed by a Registered Environmental Assessor, Professional Geologist, or Professional Engineer. c) Implement the recommendations provided in the Phase II Environmental Site Assessment report, where such 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>a report was determined to be necessary for the construction or operation of the project, for remedial action.</p> <p>d) Submit a copy of all applicable documentation required by local, state, and federal environmental regulatory agencies, including but not limited to: permit applications, Phase I and II Environmental Site Assessments, human health and ecological risk assessments, remedial action plans, risk management plans, soil management plans, and groundwater management plans.</p> <p>e) Conduct soil sampling and chemical analyses of samples, consistent with the protocols established by the U.S. EPA to determine the extent of potential contamination beneath all underground storage tanks (USTs), elevator shafts, clarifiers, and subsurface hydraulic lifts when on-site demolition or construction activities would potentially affect a particular development or building.</p> <p>f) Consult with the appropriate local, state, and federal environmental regulatory agencies to ensure sufficient minimization of risk to human health and environmental resources, both during and after construction, posed by soil contamination, groundwater contamination, or other surface hazards including, but not limited to, underground storage tanks, fuel distribution lines, waste pits and sumps.</p> <p>g) Obtain and submit written evidence of approval for any remedial action if required by a local, state, or federal environmental regulatory agency.</p> <p>h) Cease work if soil, groundwater, or other environmental medium with suspected contamination is encountered unexpectedly during construction activities (e.g., identified by odor or visual staining, or if any underground storage tanks, abandoned drums, or other hazardous materials or wastes are encountered), in the vicinity of the suspect material. Secure the area as necessary and take all appropriate measures to protect human health and the environment, including but not limited to, notification of regulatory agencies and identification of the nature and extent of contamination. Stop work in the areas affected until the measures have been implemented consistent with the guidance of the appropriate regulatory oversight authority.</p> <p>i) Soil generated by construction activities should be stockpiled on-site in a secure and safe manner. All contaminated soils determined to be hazardous or non-hazardous waste must be adequately profiled (sampled) prior to acceptable reuse or disposal at an appropriate off-site facility. Complete sampling and handling and transport procedures for reuse or disposal, in accordance with applicable local, state and federal laws and policies.</p> <p>j) Groundwater pumped from the subsurface should be contained on-site in a secure and safe manner, prior to treatment and disposal, to ensure environmental and health issues are resolved pursuant to applicable laws and policies. Utilize engineering controls, which include impermeable barriers to prohibit groundwater and vapor intrusion into the building.</p> <p>k) As needed and appropriate, prior to issuance of any demolition, grading, or building permit, submit for review and approval by the Lead Agency (or other appropriate government agency) written verification that the appropriate federal, state and/or local oversight authorities, including but not limited to the Regional Water Quality Control Board (RWQCB), have granted all required clearances and confirmed that the all applicable standards, regulations, and conditions have been met for previous contamination at the site.</p> <p>l) Develop, train, and implement appropriate worker awareness and protective measures to assure that worker and public exposure is minimized to an acceptable level and to prevent any further environmental contamination as a result of construction.</p> <p>m) If asbestos-containing materials (ACM) are found to be present in building materials to be removed, submit specifications signed by a certified asbestos consultant for the removal, encapsulation, or enclosure of the</p>		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>identified ACM in accordance with all applicable laws and regulations, including but not necessarily limited to: California Code of Regulations, Title 8; Business and Professions Code; Division 3; California Health and Safety Code Section 25915-25919.7; and other local regulations.</p> <p>n) Where projects include the demolitions or modification of buildings constructed prior to 1978, complete an assessment for the potential presence or lack thereof of ACM, lead based paint, and any other building materials or stored materials classified as hazardous waste by state or federal law.</p> <p>o) Where the remediation of lead-based paint has been determined to be required, provide specifications to the appropriate agency, signed by a certified Lead Supervisor, Project Monitor, or Project Designer for the stabilization and/or removal of the identified lead paint in accordance with all applicable laws and regulations, including but not necessarily limited to: California Occupational Safety and Health Administration’s (Cal OSHA’s) Construction Lead Standard, Title 8 California Code of Regulations (CCR) Section 1532.1 and Department of Health Services (DHS) Regulation 17 CCR Sections 35001–36100, as may be amended. If other materials classified as hazardous waste by state or federal law are present, the project sponsor should submit written confirmation to the appropriate local agency that all state and federal laws and regulations should be followed when profiling, handling, treating, transporting, and/or disposing of such materials.</p>		
<p>SMM HAZ-5: SCAG shall continue to collaborate with key stakeholders on regional aviation planning issues through the Aviation Technical Advisory Committee (ATAC). The ATAC is a partnership between the airports, transportation agencies and commissions, experts, and other community members.</p>	Ongoing over the life of the plan	SCAG
<p>PMM HAZ-5: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects which may impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Continue to coordinate locally and regionally based on ongoing review and integration of projected transportation and circulation conditions.</p> <p>b) Develop new methods of conveying projected and real time information to citizens using emerging electronic communication tools including social media and cellular networks;</p> <p>c) Continue to evaluate lifeline routes for movement of emergency supplies and evacuation.</p>	Ongoing over the life of the plan	Lead Agency
Hydrology and Water Quality		
<p>SMM HYD-1: SCAG shall continue to work with local jurisdictions and water quality agencies to encourage regional-scale planning for improved water quality management and pollution prevention. Future impacts to water quality shall be avoided to the extent practical and feasible through cooperative planning, information sharing, and comprehensive pollution control measure development within the SCAG region. This cooperative planning shall occur as part of current and existing coordination, an integral part of SCAG’s ongoing regional planning efforts.</p>	Ongoing over the life of the plan	SCAG
<p>PMM HYD-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects from violation of any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> a) Complete, and have approved, a Stormwater Pollution Prevention Plan (SWPPP) prior to initiation of construction. b) Implement Best Management Practices to reduce the peak stormwater runoff from the project site to the maximum extent practicable. c) Comply with the Caltrans storm water discharge permit as applicable; and identify and implement Best Management Practices to manage site erosion, wash water runoff, and spill control. d) Complete, and have approved, a Standard Urban Stormwater Management Plan, prior to occupancy of residential or commercial structures. e) Ensure adequate capacity of the surrounding stormwater system to support stormwater runoff from new or rehabilitated structures or buildings. f) Prior to construction within an area subject to Section 404 of the Clean Water Act, obtain all required permit approvals and certifications for construction within the vicinity of a watercourse: g) Where feasible, restore or expand riparian areas such that there is no net loss of impervious surface as a result of the project. h) Install structural water quality control features, such as drainage channels, detention basins, oil and grease traps, filter systems, and vegetated buffers to prevent pollution of adjacent water resources by polluted runoff where required by applicable urban storm water runoff discharge permits, on new facilities. i) Provide operational best management practices for street cleaning, litter control, and catch basin cleaning are implemented to prevent water quality degradation in compliance with applicable storm water runoff discharge permits; and ensure treatment controls are in place as early as possible, such as during the acquisition process for rights-of-way, not just later during the facilities design and construction phase. j) Comply with applicable municipal separate storm sewer system discharge permits as well as Caltrans' storm water discharge permit including long-term sediment control and drainage of roadway runoff. k) Incorporate as appropriate treatment and control features such as detention basins, infiltration strips, and porous paving, other features to control surface runoff and facilitate groundwater recharge into the design of new transportation projects early on in the process to ensure that adequate acreage and elevation contours are provided during the right-of-way acquisition process. l) Upgrade stormwater drainage facilities to accommodate any increased runoff volumes. These upgrades may include the construction of detention basins or structures that will delay peak flows and reduce flow velocities, including expansion and restoration of wetlands and riparian buffer areas. System designs shall be completed to eliminate increases in peak flow rates from current levels. m) Encourage Low Impact Development (LID) and incorporation of natural spaces that reduce, treat, infiltrate and manage stormwater runoff flows in all new developments, where practical and feasible. 		
<p>SMM HYD-2: SCAG shall build from existing efforts including those at the sub-regional and local level and shall continue to work with local jurisdictions and water agencies, to encourage regional-scale planning for improved stormwater management and groundwater recharge, including consideration of alternative recharge technologies and practices. Future adverse impacts may be avoided through cooperative planning, information sharing, and comprehensive implementation efforts within the SCAG region.</p>	<p>Ongoing over the life of the plan</p>	<p>SCAG</p>

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>PMM HYD-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects from violation of any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Avoid designs that require continual dewatering where feasible.</p> <p>For projects requiring continual dewatering facilities, implement monitoring systems and long-term administrative procedures to ensure proper water management that prevents degrading of surface water and minimizes adverse impacts on groundwater for the life of the project, Construction designs shall comply with appropriate building codes and standard practices including the Uniform Building Code.</p> <p>a) Maximize, where practical and feasible, permeable surface area in existing urbanized areas to protect water quality, reduce flooding, allow for groundwater recharge, and preserve wildlife habitat. Minimize new impervious surfaces, including the use of in-lieu fees and off-site mitigation.</p> <p>b) Avoid construction and siting on groundwater recharge areas, to prevent conversion of those areas to impervious surface.</p> <p>c) Reduce hardscape to the extent feasible to facilitate groundwater recharge as appropriate.</p>	Ongoing over the life of the plan	Lead Agency
<p>SMM HYD-3: SCAG shall build from existing efforts including those at the sub-regional and local level and shall continue to work with local jurisdictions to encourage regional-scale planning for maintaining and/or improving existing drainage patterns. Future adverse impacts may be avoided through cooperative planning, information sharing, and comprehensive implementation efforts within the SCAG region.</p>	Ongoing over the life of the plan	SCAG
<p>SMM HYD-4: SCAG shall continue to work with local jurisdictions and water quality agencies to encourage flood protection and prevent development in flood hazard areas that do not have appropriate protections. This shall be accomplished through cooperation and information sharing regarding specific alignments and rights-of-way planning for RTP projects, and regional program development as part of SCAG’s ongoing regional planning efforts. These include but are not limited to web-based data distribution planning tools and sustainability programs in conjunction with local governments. Such services would potentially consist of an inventory of areas located in or near a 100-year flood hazard zone or hazard areas that would potentially be affected by a failure of a levee or dam; or inundation by seiche, tsunami, or mudflow.</p>	Ongoing over the life of the plan	SCAG
<p>PMM HYD-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures capable of avoiding or reducing the potential impacts of locating structures that would impede or redirect flood flows, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Ensure that all roadbeds for new highway and rail facilities be elevated at least one foot above the 100-year base flood elevation. Since alluvial fan flooding is not often identified on FEMA flood maps, the risk of alluvial fan flooding should be evaluated and projects should be sited to avoid alluvial fan flooding. Delineation of floodplains and alluvial fan boundaries should attempt to account for future hydrologic changes caused by global climate change.</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
Land Use and Planning		
SMM LU-1: SCAG shall coordinate with local County Transportation Commissions, Caltrans and other implementing agencies when siting new facilities in residential areas to facilitate minimizing future impacts of transportation projects on established communities, through cooperation, information sharing, and regional program development as part of SCAG’s ongoing regional planning efforts to promote best planning practices.	Ongoing over the life of the plan	SCAG
PMM LU-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: a) Facilitate good design for land use projects that build upon and improve existing circulation patterns b) Encourage implementing agencies to orient transportation projects to minimize impacts on existing communities by: — Selecting alignments within or adjacent to existing public rights of way. — Design sections above or below-grade to maintain viable vehicular, cycling, and pedestrian connections between portions of communities where existing connections are disrupted by the transportation project. — Wherever feasible incorporate direct crossings, overcrossings, or under crossings at regular intervals for multiple modes of travel (e.g., pedestrians, bicyclists, vehicles). c) Where it has been determined that it is infeasible to avoid creating a barrier in an established community, consider other measures to reduce impacts, including but not limited to: — Alignment shifts to minimize the area affected. — Reduction of the proposed right-of-way take to minimize the overall area of impact. — Provisions for bicycle, pedestrian, and vehicle access across improved roadways.	Ongoing over the life of the plan	Lead Agency
SMM LU-2: SCAG shall continue to promote the Intergovernmental Review (IGR) Program as an internal and external informational tool by reviewing and monitoring all projects submitted to SCAG for review and working with local jurisdictions to ensure that submitted projects support the most currently adopted Connect SoCal Plan. SCAG shall provide comment letters on regionally significant projects to provide policies and goals from Connect SoCal, recommend the application of project-level mitigation measures from the Connect SoCal PEIR and provide additional resources to help the lead agency support or develop projects that are consistent with the Plan, as appropriate. The IGR Mapping Tool can also be utilized by local jurisdictions to assess regional impacts. To visit the IGR Mapping tool, please go to: https://maps.scag.ca.gov/IGR/ . For more information on SCAG’s IGR Program, please visit: http://www.scag.ca.gov/programs/Pages/IGR.aspx .	Ongoing over the life of the plan	SCAG
SMM LU-3: SCAG shall encourage cities and counties in the region to provide SCAG with electronic versions of their most recent general plan (and associated environmental document) and any updates as they are produced.	Ongoing over the life of the plan	SCAG
SMM LU-4: SCAG shall continue to provide targeted technical services such as GIS and data support for cities and counties to update their general plans at least every ten years, as recommended by the Governor’s Office of Planning and Research.	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
SMM LU-5: SCAG shall provide technical assistance and regional leadership to encourage implementation of the Plan goals and strategies that integrate growth and land use planning with the existing and planned transportation network.	Ongoing over the life of the plan	SCAG
PMM LU-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: a) When an inconsistency with the adopted general plan policy or land use regulation (adopted for the purpose of avoiding or mitigating an impact) is identified modify the transportation or land use project to eliminate the conflict; or, determine if the environmental, social, economic, and engineering benefits of the project warrant an amendment to the general plan or land use regulation.	Ongoing over the life of the plan	Lead Agency
Mineral Resources		
SMM MIN-1: SCAG shall coordinate with the Department of Conservation, California Geological Survey to maintain a database of (1) available mineral resources in the SCAG region including permitted and unpermitted aggregate resources and (2) the anticipated 50-year demand for aggregate and other mineral resources. Based on the results of this survey, SCAG shall work with local agencies on strategies to address anticipated demand, including identifying future sites that may seek permitting and working with industry experts to identify ways to encourage and increase recycling to reduce the demand for aggregate.	Ongoing over the life of the plan	SCAG
PMM MIN-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce the use of mineral resources that could be of value to the region, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: a) Provide for the efficient use of known aggregate and mineral resources or locally important mineral resource recovery sites, by ensuring that the consumptive use of aggregate resources is minimized and that access to recoverable sources of aggregate is not precluded, as a result of construction, operation and maintenance of projects. b) Where avoidance is infeasible, minimize impacts to the efficient and effective use of recoverable sources of aggregate through measures that have been identified in county and city general plans, or other comparable measures such as: 1) Recycle and reuse building materials resulting from demolition, particularly aggregate resources, to the maximum extent practicable. 2) Identify and use building materials, particularly aggregate materials, resulting from demolition at other construction sites in the SCAG region, or within a reasonable hauling distance of the project site. 3) Design transportation network improvements in a manner (such as buffer zones or the use of screening) that does not preclude adjacent or nearby extraction of known mineral and aggregate resources following completion of the improvement and during long-term operations. 4) Avoid or reduce impacts on known aggregate and mineral resources and mineral resource recovery sites through the evaluation and selection of project sites and design features (e.g., buffers) that minimize impacts on land suitable for aggregate and mineral resource extraction by maintaining portions of MRZ-2 areas in open space or other general plan land use categories and zoning that allow for mining of	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
mineral resources.		
Noise		
SMM-NOISE-1: SCAG shall coordinate with CTCs and member agencies as part of SCAG’s outreach and technical assistance to local governments to encourage transportation projects and projects involving residential and commercial land uses to mitigate noise and vibration or be developed in areas that are normally acceptable or conditionally acceptable, consistent with applicable guidelines (i.e., OPR, Caltrans, etc.).	Ongoing over the life of the plan	SCAG
PMM NOISE-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> a) Install temporary noise barriers during construction. b) Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses. c) Schedule construction activities consistent with the allowable hours pursuant to applicable general plan noise element or noise ordinance d) Post procedures and phone numbers at the construction site for notifying the Lead Agency staff, local Police Department, and construction contractor (during regular construction hours and off-hours), along with permitted construction days and hours, complaint procedures, and who to notify in the event of a problem. e) Notify neighbors and occupants within 300 feet of the project construction area at least 30 days in advance of anticipated times when noise levels are expected to exceed limits established in the noise element of the general plan or noise ordinance. f) Designate an on-site construction complaint and enforcement manager for the project. g) Ensure that construction equipment are properly maintained per manufacturers’ specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded. h) Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures. i) Where feasible, design projects so that they are depressed below the grade of the existing noise-sensitive receptor, creating an effective barrier between the roadway and sensitive receptors. j) Where feasible, improve the acoustical insulation of dwelling units where setbacks and sound barriers do not provide sufficient noise reduction. k) Using rubberized asphalt or “quiet pavement” to reduce road noise for new roadway segments, roadways in 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>which widening or other modifications require re-pavement, or normal reconstruction of roadways where re-pavement is planned</p> <ul style="list-style-type: none"> l) Projects that require pile driving or other construction noise above 90 dBA in proximity to sensitive receptors, should reduce potential pier drilling, pile driving and/or other extreme noise generating construction impacts greater than 90 dBA; a set of site-specific noise attenuation measures should be completed under the supervision of a qualified acoustical consultant. m) Use land use planning measures, such as zoning, restrictions on development, site design, and buffers to ensure that future development is compatible with adjacent transportation facilities and land uses; n) Monitor the effectiveness of noise reduction measures by taking noise measurements and installing adaptive mitigation measures to achieve the standards for ambient noise levels established by the noise element of the general plan or noise ordinance. o) Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction. p) Stationary noise sources can and should be located as far from adjacent sensitive receptors as possible and they should be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the Lead Agency (or other appropriate government agency) to provide equivalent noise reduction. q) Use of portable barriers in the vicinity of sensitive receptors during construction. r) Implement noise control at the receivers by temporarily improving the noise reduction capability of adjacent buildings (for instance by the use of sound blankets), and implement if such measures are feasible and would noticeably reduce noise impacts. s) Monitor the effectiveness of noise attenuation measures by taking noise measurements. t) Maximize the distance between noise-sensitive land uses and new roadway lanes, roadways, rail lines, transit centers, park-and-ride lots, and other new noise-generating facilities. u) Construct sound reducing barriers between noise sources and noise-sensitive land uses. v) Stationary noise sources can and should be located as far from adjacent sensitive receptors as possible and they should be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the Lead Agency (or other appropriate government agency) to provide equivalent noise reduction. w) Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures. x) Locate transit-related passenger stations, central maintenance facilities, decentralized maintenance facilities, and electric substations away from sensitive receptors to the maximum extent feasible. y) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities. 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>PMM NOISE-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) For projects that require pile driving or other construction techniques that result in excessive vibration, such as blasting, determine the potential vibration impacts to the structural integrity of the adjacent buildings within 50 feet of pile driving locations. b) For projects that require pile driving or other construction techniques that result in excessive vibration, such as blasting, determine the threshold levels of vibration and cracking that could damage adjacent historic or other structure, and design means and construction methods to not exceed the thresholds. c) For projects where pile driving would be necessary for construction due to geological conditions, utilize quiet pile driving techniques such as predrilling the piles to the maximum feasible depth, where feasible. Predrilling pile holes will reduce the number of blows required to completely seat the pile and will concentrate the pile driving activity closer to the ground where pile driving noise can be shielded more effectively by a noise barrier/curtain. d) Restrict construction activities to permitted hours in accordance with local jurisdiction regulation. e) Properly maintain construction equipment and outfit construction equipment with the best available noise suppression devices (e.g., mufflers, silences, wraps). f) Prohibit idling of construction equipment for extended periods of time in the vicinity of sensitive receptors. 	Ongoing over the life of the plan	Lead Agency
Population and Housing		
<p>SMM-POP-1: SCAG shall promote the Sustainability Program which will provide technical assistance to local jurisdictions that support local planning and implementation of the Connect SoCal Plan. The program recognizes sustainable solutions to local growth challenges and will result in local plans that promote sustainability through the integration of transportation and land use. For more information please visit: http://sustain.scag.ca.gov/Documents/Sustainable%20Communities%20Program%20Guidelines.pdf.</p>	Ongoing over the life of the plan	SCAG
<p>SMM-POP-2: SCAG shall provide technical assistance to local governments, transit agencies and developers within the region to build housing capacity to compete in the statewide Affordable Housing Sustainable Communities (AHSC) grants program. The AHSC program is one of the few state funding opportunities to address housing shortages within the state. For more information please visit: http://ahsc.scag.ca.gov/Pages/Home.aspx.</p>	Ongoing over the life of the plan	SCAG
<p>SMM-POP-3: SCAG shall host summits that addresses the housing crisis and provides solutions to build more housing. Examples include the 2016 Housing Summit (http://www.scag.ca.gov/SiteAssets/HousingSummit/index.html) and the Eighth Annual Economic Summit (https://www.scag.ca.gov/calendar/Pages/8thEconomicSummit.aspx).</p>	Ongoing over the life of the plan	SCAG
<p>SMM-POP-4: SCAG shall continue to produce the biennial Local Profile reports for all member jurisdictions in the SCAG region for the purpose of data and information sharing. The Local Profiles reports provide a variety of demographic, economic, education, housing, and transportation information that local jurisdictions can utilize like project and program planning. For more information about the most recently release 2019 Local Profiles, please visit: http://www.scag.ca.gov/DataAndTools/Pages/LocalProfiles.aspx.</p>	Ongoing over the life of the plan	SCAG
<p>SMM-POP-5: SCAG shall assist cities to identify funding and financing opportunities and potential partnerships for public infrastructure improvements for transit-oriented development and other smart growth projects.</p>	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>PMM-POP-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce the displacement of existing housing, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Evaluate alternate route alignments and transportation facilities that minimize the displacement of homes and businesses. Use an iterative design and impact analysis where impacts to homes or businesses are involved to minimize the potential of impacts on housing and displacement of people. b) Prioritize the use existing ROWs, wherever feasible. c) Develop a construction schedule that minimizes potential neighborhood deterioration from protracted waiting periods between right-of-way acquisition and construction. d) Review capacities of available urban infrastructure and augment capacities as needed to accommodate demand in locations where growth is desirable to the local lead Agency and encouraged by the SCS (primarily TPAs, where applicable). e) When General Plans and other local land use regulations are amended or updated, use the most recent growth projections and RHNA allocation plan. 	Ongoing over the life of the plan	Lead Agency
Public Services		
<p>SMM PSF-1: SCAG shall assist planners, first responders, and recovery teams in a supporting role, in three key areas, before a major emergency and during the recovery period:</p> <ul style="list-style-type: none"> • Provide a policy forum to help develop regional consensus and education on security policies and emergency responses. • Assist in expediting the planning and programming of transportation infrastructure repairs from major disasters. • Encourage integration of transportation security measures into transportation projects early in the project development process by leveraging SCAG’s relevant plans, programs, and processes, including regional ITS architecture. An example includes SCAG’s participation in the development of the Southern California Catastrophic Earthquake Preparedness Plan.² 	Ongoing over the life of the plan	SCAG
<p>SMM PSF-2: SCAG shall facilitate minimizing future impacts to fire protection services through information sharing regarding Fire-wise Land Management (data regarding fire-resistant vegetation, fire-resistant materials, locations where development is potentially hazardous in regard to wildfire, and management of brush and other fire risks in the immediate vicinity of development in areas with high fire threat) with county and city planning departments.</p>	Ongoing over the life of the plan	SCAG
<p>SMM PSP-1: SCAG shall facilitate minimizing future impacts to library services through cooperation, information sharing, and regional program development as part of SCAG’s ongoing regional planning efforts, such as web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to Map Gallery, GIS library, and GIS applications, and promote acceptable service ratios regarding library services.</p>	Ongoing over the life of the plan	SCAG

² California Emergency Management Agency, *Southern California Catastrophic Earthquake Response Plan*, December 2010 [https://www.caloes.ca.gov/PlanningPreparednessSite/Documents/SoCalCatastrophicConops\(Public\)2010.pdf](https://www.caloes.ca.gov/PlanningPreparednessSite/Documents/SoCalCatastrophicConops(Public)2010.pdf), accessed October 31, 2019.

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
SMM PSP-2: SCAG shall help to enhance the region’s ability to deter and respond to acts of terrorism, human-caused or natural disasters through regionally cooperative and collaborative strategies. SCAG shall work with local officials to develop regional consensus on regional transportation safety, security, and safety security policies.	Ongoing over the life of the plan	SCAG
SMM PSP-3: SCAG shall help to enhance the region’s ability to deter and respond to terrorist incidents, human-caused or natural disasters by strengthening relationship and coordination with transportation. This will be accomplished by the following: <ul style="list-style-type: none"> • SCAG shall work with local officials to develop regional consensus on regional transportation safety, security, and safety security policies. • SCAG shall encourage all SCAG elected officials are educated in NIMS. • SCAG shall work with partner agencies, federal, state and local jurisdictions to improve communications and interoperability and to find opportunities to leverage and effectively utilize transportation and public safety/security resources in support of this effort. 	Ongoing over the life of the plan	SCAG
SMM PSP-4: SCAG shall encourage and provide a forum for local jurisdictions to develop mutual aid agreements for essential government services during any incident recovery.	Ongoing over the life of the plan	SCAG
PMM PSP-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i> , a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of constructing new emergency response facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency: <ul style="list-style-type: none"> • Coordinate with emergency response agencies to ensure that there are adequate governmental facilities to maintain acceptable service ratios, response times or other performance objectives for emergency response services and that any required additional construction of buildings is incorporated in to the project description. • Where current levels of services at the project site are found to be inadequate, provide fair share contributions towards infrastructure improvements, as appropriate and applicable, to mitigate identified CEQA impacts. • Project sponsors can and should develop traffic control plans for individual projects. Traffic control plans should include information on lane closures and the anticipated flow of traffic during the construction period. The basic objective of each traffic control plan (TCP) is to permit the contractor to work within the public right of way efficiently and effectively while maintaining a safe, uniform flow of traffic. The construction work and the public traveling through the work zone in vehicles, bicycles or as pedestrians must be given equal consideration when developing a traffic control plan. 	Ongoing over the life of the plan	Lead Agency
SMM PSS-1: SCAG shall facilitate minimizing future impacts to school services through cooperation, information sharing, and regional program development as part of SCAG’s ongoing regional planning efforts, such as web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to, Map Gallery, GIS library, and GIS applications, and direct technical assistance efforts to promote school planning efforts.	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>PMM PSS-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of constructing new or physically altered school facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Where construction or expansion of school facilities is required to meet public school service ratios, require school district fees, as applicable.</p>	Ongoing over the life of the plan	Lead Agency
<p>SMM PSL-1: SCAG shall facilitate minimizing future impacts to library services through cooperation, information sharing, and regional program development as part of SCAG’s ongoing regional planning efforts, such as web-based planning tools for local government including CA LOTS, and other GIS tools and data services, including, but not limited to Map Gallery, GIS library, and GIS applications, and promote acceptable service ratios regarding library services.</p>	Ongoing over the life of the plan	SCAG
<p>PMM PSL-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of construction of new or altered library facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Where construction or expansion of library facilities is required to meet public library service ratios, require library fees, as appropriate and applicable, to mitigate identified CEQA impacts.</p>	Ongoing over the life of the plan	Lead Agency
Parks and Recreation		
<p>SMM REC-1: SCAG shall continue the commitment to analyze public health outcomes as part of the Regional Transportation Plan/Sustainable Communities Strategy (Plan). As part of the public health analysis for the Plan, SCAG shall continue to analyze resident access to parks and recreational facilities from a county level to help local jurisdictions to improve resident access to parks. SCAG shall communicate the impacts of the Plan through its Public Health Working group, and continue to support policy changes at the city and county level through educational programs.</p>	Ongoing over the life of the plan	SCAG
<p>PMM REC-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on the use of existing neighborhood and regional parks or other recreational facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Prior to the issuance of permits, where projects require the construction or expansion of recreational facilities or the payment of equivalent Quimby fees, consider increasing the accessibility to natural areas and lands for outdoor recreation from the proposed project area, in coordination with local and regional open space planning and/or responsible management agencies.</p> <p>b) Prior to the issuance of permits, where projects require the construction or expansion of recreational facilities or the payment of equivalent Quimby fees, encourage patterns of urban development and land use which reduce costs on infrastructure and make better use of existing facilities, using strategies such as:</p> <ol style="list-style-type: none"> i. Increasing the accessibility to natural areas for outdoor recreation ii. Utilizing “green” development techniques iii. Promoting water-efficient land use and development iv. Encouraging multiple uses, such as the joint use of schools 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
v. Including trail systems and trail segments in General Plan recreation standards.		
Transportation, Traffic, and Safety		
SMM TRA-1: SCAG shall facilitate minimizing VMT and related vehicular delay by minimizing impacts to circulation and access, improve mobility, and encourage transit and Active Transportation via workshops (i.e., Mobility 21 workshop and Regional Transportation Workgroups) and web-based planning tools for local governments, forums with policy makers, and County Transportation Commissions, Planning Agencies, member cities, and state partners.	Ongoing over the life of the plan	SCAG
SMM TRA-2: SCAG shall identify further reduction in VMT set forth by CARB, and fuel consumption that could be obtained through land-use strategies, additional car-sharing programs with linkage to public transportation, additional vanpools, additional bicycle sharing and parking programs, and implementation of a universal employee transit access pass (TAP) program.	Ongoing over the life of the plan	SCAG
SMM TRA-3: SCAG shall continue to facilitate an SB 743 implementation program. Following initiation in 2018, the Sustainable Communities Program will continue to provide direct planning resources to support jurisdictions seeking to establish vehicle miles traveled (VMT) as the metric for evaluating transportation impacts, which will result in more efficient development patterns and support a comprehensive strategy for regional mitigation options. The SB 743 implementation program is a State grant-funded project, co-sponsored by SCAG and LADOT, which seeks to provide technical and mitigation strategy development guidance to local jurisdictions in the six-county SCAG region to facilitate implementation of the VMT-based CEQA transportation impact analysis provisions of SB 743. This coordinated program of technical guidance, evaluation of options, and cooperative engagement with local communities will serve to smooth the transition to the new VMT-reducing development paradigm, helping to ensure a successful region-wide implementation of SB 743 and attainment of the associated GHG reduction goals. Some of the primary features of the scope of work include: <ul style="list-style-type: none"> Evaluate the feasibility of various alternative VMT mitigation options, including local and regional VMT exchange and banking programs. Establish CEQA nexus to reduce VMT through a VMT mitigation exchange or banking program alternative. Substantiate the legal basis of a VMT exchange program for satisfying CEQA mitigation requirements. Collaborate with other communities and jurisdictions to reduce VMT through implementation of a VMT mitigation exchange or bank program. Improve the dissemination of transportation project VMT mitigation options. Support a variety of TDM strategies for Transportation Management Organization (TMO) membership agencies. Provide guidance to facilitate establishment of VMT mitigation exchange or bank programs throughout the region and state 	Ongoing over the life of the plan	SCAG
SMM TRA-4: SCAG shall continue to analyze and develop potential implementation strategies for a regional, market-based system to price or charge for auto trips during peak hours.	Ongoing over the life of the plan	SCAG
SMM TRA-5: SCAG shall develop a vanpool program for SCAG employees' commute trips.	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
SMM TRA-6: SCAG shall encourage new developments to incorporate both local and regional transit measures into the project design that promote the use of alternative modes of transportation.	Ongoing over the life of the plan	SCAG
<p>PMM-TRA-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to transportation-related impacts, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> • Transportation demand management (TDM) strategies should be incorporated into individual land use and transportation projects and plans, as part of the planning process. Local agencies should incorporate strategies identified in the Federal Highway Administration’s publication: Integrating Demand Management into the Transportation Planning Process: A Desk Reference (August 2012) into the planning process (FHWA 2012). For example, the following strategies may be included to encourage use of transit and non-motorized modes of transportation and reduce vehicle miles traveled on the region’s roadways: <ul style="list-style-type: none"> — include TDM mitigation requirements for new developments; — incorporate supporting infrastructure for non-motorized modes, such as, bike lanes, secure bike parking, sidewalks, and crosswalks; — provide incentives to use alternative modes and reduce driving, such as, universal transit passes, road and parking pricing; — implement parking management programs, such as parking cash-out, priority parking for carpools and vanpools; — develop TDM-specific performance measures to evaluate project-specific and system-wide performance; — incorporate TDM performance measures in the decision-making process for identifying transportation investments; — implement data collection programs for TDM to determine the effectiveness of certain strategies and to measure success over time; and — set aside funding for TDM initiatives. — The increase in per capita VMT on facilities experiencing LOS F represents a significant impact compared to existing conditions. To assess whether implementation of these specific mitigation strategies would result in measurable traffic congestion reductions, implementing actions may need to be further refined within the overall parameters of the proposed Plan and matched to local conditions in any subsequent project-level environmental analysis. 	Ongoing over the life of the plan	Lead Agency
SMM TRA-7: SCAG shall, in cooperation with local and state agencies, identify critical infrastructure needs necessary for: a) emergency responders to enter the region, b) evacuation of affected facilities, and c) restoration of utilities. In addition, SCAG shall establish transportation infrastructure practices that promote and enhance security.	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>SMM TRA-8: SCAG shall provide a forum for collaboration in planning, communication, and information sharing before, during, or after a regional emergency (i.e. seismic activities, wildfires, and other natural disasters). This will be accomplished by the following:</p> <ul style="list-style-type: none"> • SCAG shall develop and incorporate strategies and actions pertaining to response and prevention of security incidents and events as part of the on-going regional planning activities. • SCAG shall offer a regional repository of GIS data for use by local agencies in emergency planning, and response, in a standardized format. • SCAG shall enter into mutual aid agreements with other MPOs (as feasible) to provide this data, in coordination with the California OES in the event that an event disrupts SCAG's ability to function. 	Ongoing over the life of the plan	SCAG
<p>PMM TRA-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects which may substantially impair implementation of an adopted emergency response plan or emergency evacuation plan, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>a) Prior to construction, project implementation agencies can and should ensure that all necessary local and state road and railroad encroachment permits are obtained. The project implementation agency can and should also comply with all applicable conditions of approval. As deemed necessary by the governing jurisdiction, the road encroachment permits may require the contractor to prepare a traffic control plan in accordance with professional engineering standards prior to construction. Traffic control plans can and should include the following requirements:</p> <ul style="list-style-type: none"> — Identification of all roadway locations where special construction techniques (e.g., directional drilling or night construction) would be used to minimize impacts to traffic flow. — Development of circulation and detour plans to minimize impacts to local street circulation. This may include the use of signing and flagging to guide vehicles through and/or around the construction zone. — Scheduling of truck trips outside of peak morning and evening commute hours. — Limiting of lane closures during peak hours to the extent possible. — Usage of haul routes minimizing truck traffic on local roadways to the extent possible. — Inclusion of detours for bicycles and pedestrians in all areas potentially affected by project construction. — Installation of traffic control devices as specified in the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones. — Development and implementation of access plans for highly sensitive land uses such as police and fire stations, transit stations, hospitals, and schools. The access plans would be developed with the facility owner or administrator. To minimize disruption of emergency vehicle access, affected jurisdictions can and should be asked to identify detours for emergency vehicles, which will then be posted by the contractor. Notify in advance the facility owner or operator of the timing, location, and duration of construction activities and the locations of detours and lane closures. — Storage of construction materials only in designated areas. — Coordination with local transit agencies for temporary relocation of routes or bus stops in work zones, as necessary. 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<ul style="list-style-type: none"> — Ensure the rapid repair of transportation infrastructure in the event of an emergency through cooperation among public agencies and by identifying critical infrastructure needs necessary for: a) emergency responders to enter the region, b) evacuation of affected facilities, and c) restoration of utilities. — Enhance emergency preparedness awareness among public agencies and with the public at large. 		
Tribal Cultural Resources		
SMM TCR-1: SCAG shall consult with the Native American Heritage Commission, as well as Native American tribes, to identify opportunities for early and effective consultation to identify tribal cultural resources to avoid such resources wherever practicable and feasible and reduce or mitigate for conflicts in compatible land use to the maximum extent practicable.	Ongoing over the life of the plan	SCAG
<p>PMM TCR-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on tribal cultural resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Avoidance and preservation of the resources in place, including, but not limited to, planning and construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria; b) Treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: protecting the cultural character and integrity of the resource; protecting the traditional use of the resource; and protecting the confidentiality of the resource; c) Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places; and protecting the resource. 	Ongoing over the life of the plan	Lead Agency
Utilities and Service Systems		
SMM USSW-1: During the planning, design, and project-level CEQA review process for individual development projects, SCAG shall coordinate with waste management agencies and the appropriate local and regional jurisdictions to facilitate the development of measures and to encourage diversion of solid waste such as recycling and composting programs, as needed. This includes discouraging siting of new landfills unless all other waste reduction and prevention actions have been fully explored to minimize impacts to neighborhoods.	Ongoing over the life of the plan	SCAG
SMM USSW-2: SCAG shall coordinate with waste management agencies, and the appropriate local and regional jurisdictions, measures to facilitate and encourage diversion of solid waste such as recycling and composting programs.	Ongoing over the life of the plan	SCAG
<p>PMM USSW-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce the generation of solid waste, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <p>Integrate green building measures with CALGreen (California Building Code Title 24) into project design,</p>	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>including but not limited to the following:</p> <ul style="list-style-type: none"> a) Reuse and minimization of construction and demolition (C&D) debris and diversion of C&D waste from landfills to recycling facilities. b) Inclusion of a waste management plan that promotes maximum C&D diversion. c) Source reduction through (1) use of materials that are more durable and easier to repair and maintain, (2) design to generate less scrap material through dimensional planning, (3) increased recycled content, (4) use of reclaimed materials, and (5) use of structural materials in a dual role as finish material (e.g., stained concrete flooring, unfinished ceilings, etc.). d) Reuse of existing structure and shell in renovation projects. e) Development of indoor recycling program and space. f) Discourage the siting of new landfills unless all other waste reduction and prevention actions have been fully explored. If landfill siting or expansion is necessary, site landfills with an adequate landfill-owned, undeveloped land buffer to minimize the potential adverse impacts of the landfill in neighboring communities. g) Discourage exporting of locally generated waste outside of the SCAG region during the construction and implementation of a project. Encourage disposal within the county where the waste originates as much as possible. Promote green technologies for long-distance transport of waste (e.g., clean engines and clean locomotives or electric rail for waste-by-rail disposal systems) and consistency with SCAQMD and Connect SoCal policies can and should be required. h) Encourage waste reduction goals and practices and look for opportunities for voluntary actions to exceed the 80 percent waste diversion target. i) Encourage the development of local markets for waste prevention, reduction, and recycling practices by supporting recycled content and green procurement policies, as well as other waste prevention, reduction and recycling practices. j) Develop ordinances that promote waste prevention and recycling activities such as: requiring waste prevention and recycling efforts at all large events and venues; implementing recycled content procurement programs; and developing opportunities to divert food waste away from landfills and toward food banks and composting facilities. k) Develop and site composting, recycling, and conversion technology facilities that have minimum environmental and health impacts. l) Integrate reuse and recycling into residential industrial, institutional and commercial projects. m) Provide education and publicity about reducing waste and available recycling services. n) Implement or expand city or county-wide recycling and composting programs for residents and businesses. This could include extending the types of recycling services offered (e.g., to include food and green waste recycling) and providing public education and publicity about recycling services. 		

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
SMM-USWW-1: SCAG shall work with local jurisdictions and wastewater agencies to encourage regional-scale planning for improved wastewater and stormwater management. Future impacts to wastewater and stormwater facilities shall be avoided to the extent practical and feasible through cooperative planning, information sharing, and comprehensive pollution control measure development within the SCAG region. This cooperative planning shall occur as part of current and existing coordination, an integral part of SCAG's ongoing regional planning efforts.	Ongoing over the life of the plan	SCAG
<p>PMM-USWW-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on utilities and service systems, particularly for construction of wastewater facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> • During the design and CEQA review of individual future projects, implementing agencies and projects sponsors shall determine whether sufficient wastewater capacity exists for the proposed projects. There CEQA determinations must ensure that the proposed development can be served by its existing or planned treatment capacity. If adequate capacity does not exist, project sponsors shall coordinate with the relevant service provider to ensure that adequate public services and utilities could accommodate the increased demand, and if not, infrastructure improvements for the appropriate public service or utility shall be identified in each project's CEQA documentation. The relevant public service provider or utility shall be responsible for undertaking project-level review as necessary to provide CEQA clearance for new facilities. 	Ongoing over the life of the plan	Lead Agency
<p>SMM USWS-1: SCAG shall coordinate with local agencies as part of SCAG's Sustainability Program regarding the implementation of Urban Greening, Greenbelts and Community Separator land use strategies. Primary features of land use strategies address the following:</p> <ul style="list-style-type: none"> • Increased trail and greenway connectivity; • Improved water quality, groundwater recharge and watershed health; • Strategies for stormwater and rainwater collection, infiltration, treatment and release; • Reduce urban runoff; • Expand the urban forest; • Provision of wildlife habitat and increased biodiversity; • Expand recreation opportunities and beautification; • Preserving agrarian economies; • Restore severed wildlife corridors. 	Ongoing over the life of the plan	SCAG
<p>PMM USWS-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to ensure sufficient water supplies, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ol style="list-style-type: none"> a) Reduce exterior consumptive uses of water in public areas, and should promote reductions in private homes and businesses, by shifting to drought-tolerant native landscape plantings, using weather-based irrigation systems, educating other public agencies about water use, and installing related water pricing incentives. b) Promote the availability of drought-resistant landscaping options and provide information on where these can be purchased. Use of reclaimed water especially in median landscaping and hillside landscaping can and 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>should be implemented where feasible.</p> <p>c) Implement water conservation best practices such as low-flow toilets, water-efficient clothes washers, water system audits, and leak detection and repair.</p> <p>d) For projects located in an area with existing reclaimed water conveyance infrastructure and excess reclaimed water capacity, use reclaimed water for non-potable uses, especially landscape irrigation. For projects in a location planned for future reclaimed water service, projects should install dual plumbing systems in anticipation of future use. Large developments could treat wastewater onsite to tertiary standards and use it for non-potable uses onsite.</p>		
Wildfire		
<p>SMM WF-1: SCAG shall facilitate minimizing future impacts to fire protection services through information sharing regarding Fire-wise Land Management (vegetation data, fire-resistant building materials, locations where development is vulnerable to wildfire, and best practices for safe land management) with county and city planning departments.</p> <p><u>SCAG shall provide an annual forum (or forums) aimed at increased wildfire resilience. Forums shall focus on how high wildfire risk towns, cities, and counties in the region can adopt a wildland-urban interface (WUI) code (or similar code) specifically designed to mitigate the risks from wildfire to life and property. Topics to be addressed will include best practices around:</u></p> <ul style="list-style-type: none"> — Structure density and location: number of structures allowed in areas at risk from wildfire, plus setbacks (distance between structures and distance between other features such as slopes). — Building materials and construction: roof assembly and covering, eaves, vents, gutters, exterior walls, windows, non-combustible building materials, and non-combustible surface. — Vegetation management: tree thinning, spacing, limbing, and trimming; removal of any vegetation growing under tree canopies (typically referred to as “ladder fuels”), surface vegetation removal, and brush clearance; vegetation conversion, fuel modifications, and landscaping. — Emergency vehicle access and evacuation routes: driveways, turnarounds, emergency access roads, marking of roads, and property address markers. — Water supply: approved water sources and adequate water supply. — Fire protection: automatic sprinkler system, spark arresters, and propane tank storage. <p>The outcome of the forum shall be a summary of actionable items for local planners. Furthermore, SCAG shall examine wildfire risk management strategies in areas where at-risk critical electrical infrastructure is located based on CPUC and CAL FIRE maps.</p>	Ongoing over the life of the plan	SCAG
<p>SMM WF-2: SCAG, in partnership with technical experts and stakeholders shall launch or continue existing initiatives to help local towns, cities, and counties to protect Southern California communities and economies from the disruption of wildfire occurrences. Initiatives could include but not be limited to seminars that review the risk of wildfire and approaches for preparation, including strengthening of infrastructure, emergency services, emergency evacuation plans and reviewing building safety codes.</p>	Ongoing over the life of the plan	SCAG
<p>SMM WF-3: SCAG shall develop a Regional Climate Adaptation Framework, which will assist local and regional jurisdictions in managing the negative impacts of wildfires and other hazards caused by climate change. The Climate Adaptation Framework will integrate existing State initiatives, policies, and guidance into the regional</p>	Ongoing over the life of the plan	SCAG

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
<p>framework, helping to connect local and regional land use and transportation planning with State policy goals. The framework will specifically provide communication & outreach strategies and templates for local jurisdictions; toolkits for local jurisdictions to support project implementation, land use, and transportation infrastructure decisions; resources for cities to comply with Senate Bill 379; resources and templates for other metropolitan planning organizations (MPOs); tools and metrics for tracking implementation progress; and a regional framework and coordination strategy. SCAG shall also assist local jurisdictions with wildfire safety requirements for General Plan Updates by providing the most recent fire-risk data and maps from state-wide resources, including isolated areas that could be subject to fire risk with limited egress routes based on the transportation modeling components of SCAG’s Regional Climate Adaptation Framework.</p>		
<p>PMM WF-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to wildfire risk, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) Launch fire prevention education for local cities and counties such that local fire agencies, homeowners, as well as commercial and industrial businesses are aware of potential sources of fire ignition and the related procedures to curb or lessen any activities that might initiate fire ignition. b) Ensure structures in high fire risk areas are built to current state and federal standards which serve to greatly increase the chances the structure will survive a wildfire and also allow for people to shelter-in-place. c) Improve road access for emergency response and evacuation so people can evacuate safely and timely when necessary. d) Improve, and educate regarding, local emergency communications and notifications with residents and businesses. e) Enforce defensible space regulations to keep overgrown and unmanaged vegetation, accumulations of trash and other flammable material away from structures. f) Provide public education about wildfire risk and fire prevention measures, and safety procedures and practices to allow for safe evacuation and/or options to shelter-in-place g) Include external sprinklers with an independent water source to reduce flammability of structures. h) Include local solar power paired with batteries to reduce power flow in electricity lines. i) For developments in high fire-prone areas, have a fire protection plan for residents and businesses. j) Provide fire hazard and fire safety education for homeowners in or near fire hazard areas. k) Developments in fire-prone areas should have fire-resistant feature, such as: <ul style="list-style-type: none"> — Ember-resistant vents — Fire-resistant roofs — Surrounding defensible space — Proper maintenance and upkeep of structures and surrounding area 	Ongoing over the life of the plan	Lead Agency
<p>PMM WF-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the <i>State CEQA Guidelines</i>, a Lead Agency for a project can and should consider mitigation measures to wildfire risk, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:</p> <ul style="list-style-type: none"> a) New development or infrastructure activity within very high hazard severity zones or SRAs shall be required to: <ul style="list-style-type: none"> — Submit a fire protection plan including the designation of fire watch staff; — Maintain water and other fire suppression equipment designated solely for firefighting on site for any 	Ongoing over the life of the plan	Lead Agency

Mitigation Measure	Mitigation Monitoring Timing	Responsible Monitoring Entity
construction and maintenance activities; — Locate construction and maintenance equipment in designated “safe areas” such that they do not discharge combustible materials; and — Designate trained fire watch staff during project construction to reduce risk of fire hazards.		

EXHIBIT B-ERRATA TO THE FINDINGS OF FACT FOR THE CONNECT SOCIAL PLAN

The Findings of Fact for the Connect SoCal Plan that was adopted on May 7, 2020, incorrectly identified the Growth Forecast Guiding Principles as Plan Guiding Principles on Page 5, Table B-1. The errata reverts back to the correct Guiding Principles for the Plan which were correctly identified on Page 2.0-21, Table 2.0-6, of the Draft EIR and are provided again below:

Table B-1
Connect SoCal Guiding Principles

Connect SoCal Guiding Principles	
1	Base transportation investments on adopted regional performance indicators and MAP-21/FAST Act regional targets.
2	Place high priority for transportation funding in the region on projects and programs that improve mobility, accessibility, reliability and safety, and that preserve the existing transportation system.
3	Assure that land use and growth strategies recognize local input, promote sustainable transportation options, and support equitable and adaptable communities.
4	Encourage RTP/SCS investments and strategies that collectively result in reduced non-recurrent congestion and demand for single occupancy vehicle use, by leveraging new transportation technologies and expanding travel choices.
5	Encourage transportation investments that will result in improved air quality and public health, and reduced greenhouse gas emissions.
6	Monitor progress on all aspects of the Plan, including the timely implementation of projects, programs, and strategies.
7	Regionally, transportation investments should reflect best-known science regarding climate change vulnerability, in order to design for long-term resilience.

Source: SCAG Connect SoCal, 2020



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Community
Economic & Human Development Committee (CEHD)
Energy & Environment Committee (EEC)
Transportation Committee (TC)
Regional Council (RC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Julia Lippe-Klein, Program Manager I,
(213) 236-1856, Lippe-Klein@scag.ca.gov

Subject: 2020/2021 Sustainable Communities Program Guidelines –
Active Transportation & Safety Call for Applications

RECOMMENDED ACTION FOR CEHD AND EEC:

Receive and File

RECOMMENDED ACTION FOR TC:

Recommend Regional Council approve the 2020/2021 Sustainable Communities Program (SCP) Guidelines and authorize staff to release the Active Transportation & Safety Call for Applications.

RECOMMENDED ACTION FOR RC:

Approve 2020/2021 Sustainable Communities Program (SCP) Guidelines and authorize staff to release the Active Transportation & Safety Call for Applications.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians.

EXECUTIVE SUMMARY:

Staff has developed guidelines for the 2020 Sustainable Communities Program (SCP). The SCP will consist of multiple Calls for Applications. The FY 2020/2021 program will fund projects in the following areas that support and implement the policies and initiatives of the 2020 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), Connect SoCal: Active Transportation & Safety; Housing and Sustainability; Smart Cities, Mobility Innovation & Transportation Demand Management; and Green Region. The first Call prioritizes Active Transportation & Safety projects, and the second Call prioritizes efforts to increase housing production. More details and guidelines for subsequent supplemental Calls will be released as they become available.

The 2020/2021 SCP (formerly the “Sustainability Planning Grants” program) is a multi-year

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous

funding opportunity that is supported through federal, state, and local resources. There is a multi-year funding commitment of about \$15 million. Budget is anticipated to become available in SCAG's FY 2021-2022 Overall Work Program (OWP). If any additional SCAG resources become available, they will be included in the budget development process in future fiscal years.

Staff will promptly issue a Call for Applications for the Active Transportation & Safety Supplement, subject to authorization of the SCP guidelines by the Regional Council on September 3, 2020. Active Transportation & Safety applications will be due to SCAG by 5 p.m. on November 13, 2020, and staff will conduct a workshop at least one month before this due date in order to answer questions and foster SCP program understanding. Approval of application rankings will be sought from the Regional Council in May 2021, and individual project initiation schedules will be developed promptly thereafter.

BACKGROUND:

For many years, SCAG has provided technical assistance and resources to local jurisdictions that support local planning, as well as implementation of the RTP/SCS. Innovative approaches to addressing and solving regional issues have been tested and implemented at local, sub-regional and regional levels. The Sustainable Communities Program (SCP), previously known as the Compass Blueprint and the Sustainability Planning Grant (SPG) program, supports the implementation of the region's Sustainable Communities Strategy (SCS). In total since its inception, the program has awarded 319 projects and more than \$43 million across the region. The 2016 SPG and 2018 SCP projects are still underway and an update on project status can be found in Attachment 2. All of these projects demonstrate progress in advancing regional priorities and provide examples of integrated transportation, land use, and active transportation planning tailored to local needs that other cities can emulate.

While the SCP is funded from a variety of sources, SCAG, with the support of the county transportation commissions, has been able to significantly expand programming capacity over the last four funding cycles with resources from the California Active Transportation Program (ATP). The Regional ATP Guidelines, which provide direction for the programming of the region's share of the ATP, have consistently set aside approximately five percent of available funds for active transportation plans and programs. This financial commitment to planning aims to ensure local agencies have the capacity to develop projects that result in significant safety and mobility improvements and compete well for statewide ATP funds. ATP grants awarded to projects through the SCP Call for Applications are managed by SCAG staff to reduce the administrative burden for local agencies.

In previous funding rounds, eligible applicants were able to propose projects that largely fulfilled the program and project category goals. Successful applicants received technical assistance to complete a wide assortment of projects. SCAG procured the consultant on behalf of applicants and managed contract, invoicing, and other administrative details.

The steady growth of the SCP has put significant strain on SCAG's contracting processes and planning staff. As a result, SCAG has not been able to deliver projects as quickly as originally planned. Recognizing this strain and in preparation for the 2020 SCP, staff has sharpened the program focus, especially considering the limited amount of available resources, restrictive conditions associated with funding sources, and the importance of addressing ambitious GHG reduction targets. Specific project types have been developed that provide practical, relevant strategies for meeting SB 375 greenhouse gas (GHG) reduction targets and queue jurisdictions for future funding opportunities (i.e. Greenhouse Gas Reduction Fund). A list of deliverables for each project type has been developed and is defined in the attached program guidelines (Attachment 1). Eligible applicants can apply for specific project types and will ultimately receive the listed deliverables tailored to their agency/project. This approach will allow SCAG to use a streamlined approach to maximize limited resources and expedite the procurement process.

For the SCP Active Transportation and Safety Supplement, SCAG staff developed a list of three (3) project types for which applicants will be able to apply and shared the project types with the six County Transportation Commissions for input and comments. Staff finalized the project types based on this input.

DISCUSSION:

2020 Sustainable Communities Program Goals and Project Categories

The SCP is a multi-year funding program supported by federal, state, and local resources. The Program will support innovative approaches to addressing regional issues in support of the following goals:

- Provide needed planning resources to local jurisdictions for active transportation and multimodal planning efforts, transportation safety, sustainability, land use, and planning for affordable housing;
- Promote, address and ensure health and equity in regional land use and transportation planning and to close the gap of racial injustice and better serve our communities of color;
- Encourage regional planning strategies to reduce motorized Vehicle Miles Traveled (VMT) and greenhouse gas (GHG) emissions, particularly in environmental justice communities with the highest need for air quality improvements;
- Develop local plans that support the implementation of key strategies and goals outlined in Connect SoCal and the Sustainable Communities Strategy;
- Develop resources that support the Key Connections as outlined in Connect SoCal, including Shared Mobility and Mobility as a Service, Smart Cities and Job Centers, Accelerated Electrification, Go Zones, and Housing Supportive Infrastructure;

-
- Support a resilient region that looks to climate adaptation and public health preparedness as key strategies to address community prosperity, safety and economic recovery and sustainability; and
 - Increase the region's competitiveness for federal and state funds, including, but not limited to the California Active Transportation Program and Greenhouse Gas Reduction Funds.

Moreover, the SCP seeks to advance Connect SoCal's "Core Vision," which centers maintaining and better managing Southern California's transportation network for moving people and goods, while expanding mobility choices by locating housing, jobs and transit closer together and increasing investment in transit and complete streets. The Core Vision includes policies and investments that support sustainable development; system preservation and resilience; demand management strategies and intelligent transportation systems; a regional transit backbone; complete streets; and goods movement.

On July 2, 2020, the SCAG Regional Council adopted a resolution reaffirming the agency's commitment to working toward a fair and just society and systemic change to eliminate all barriers that reduce opportunity and undermine Southern California's shared values and ability to thrive. SCAG affirmed its commitment to meaningfully advance justice and equity; and SCAG declares its intent to strengthen the way it engages and convenes to protect and expand community voice and power, and work in partnership with others to close the gap of racial injustice and better serve our communities of color, and in so doing, serve all the people of the region. The SCP aims to prioritize resources for where there is a demonstrated need, guided by Connect SoCal Goal six (6), "to support healthy and equitable communities." SCAG is committed to advancing equity through addressing systemic disparities in the SCAG region, and center communities most impacted by economic, social, and environmental injustices towards the goal of creating healthy and equitable communities.

The Program supports projects in multiple funding categories, including, but not limited to: Active Transportation & Safety; Housing and Sustainability; Smart Cities, Mobility and Innovation and Transportation Demand Management, and Green Region. Each project category has additional goals. This Call, Active Transportation & Safety (SCP - ATS), has the following specific goals:

- Increase the proportion of trips accomplished by biking, walking and rolling;
- Increase safety and mobility of people walking, biking and rolling;
- Continue to foster jurisdictional support and promote implementation of the goals, objectives and strategies of Connect SoCal;
- Seed active transportation concepts and produce plans that provide local agencies with the project prioritization, conceptual renderings, and cost estimates required for future ATP applications;

- Prioritize alignment and integration of Key Connections outlined in Connect SoCal, including Shared Mobility and Mobility as a Service, Smart Cities and Job Centers, Accelerated Electrification, Go Zones, Housing Supportive Infrastructure;
- Integrate multiple funding streams to increase the overall budget for active transportation planning and capacity building projects; and
- Prioritize historically disinvested and communities of color, which comprise the majority of the Regional High Injury Network to strategically invest resources.

In the 2020 Call for Applications – Active Transportation & Safety Supplement, staff has sharpened the program focus to include in three (3) specific project types, each with a unique application. As discussed in the Background, these program modifications aim to maximize resources toward meeting GHG reduction targets and expedite the procurement process. Project types for the SCP - Active Transportation & Safety Supplement are outlined below.

Active Transportation & Safety Project Types:

- *Community-wide & Area Plans:* Support the implementation of the Core Vision: Complete Streets, Active Transportation, and Transportation Safety strategies as outlined in Connect SoCal. Examples include, but are not limited to, Community-wide Bicycle or Pedestrian Master Plans, Community-wide Active Transportation Plans, First-Last Mile Plans (active transportation improvements only), Vision Zero Plans, Systemic Safety Analysis Reports, and Safe Routes Plans.
- *Infrastructure Demonstration Projects (Quick-Build):* Provide opportunities for jurisdictions to test interim capital improvement projects that further the goals of the ATP and serve as design/build opportunities centered in community-supported feedback. Examples of eligible projects include, but are not limited to, active transportation infrastructure (protected bike lane, bulb-outs, curb extensions), multi-modal infrastructure integration (dedicated bus pilot lanes and transit integration with active transportation infrastructure) and public pedestrian plazas.
- *Network Visioning and Implementation:* Conduct visioning and position cities to plan and install entire active transportation networks within a short- to mid-term timeframe, alongside thoughtful community engagement. The framework will identify and implement a phased approach for quick build pilot projects, identified through technical analysis and robust public engagement, prior to network construction, to take on the most “stressful” segment first and set up the network build-out in phases.

The following entities, within the SCAG region, are eligible to apply for SCP - Active Transportation & Safety Call funds:

- Local or Regional Agency - Examples include cities, counties, councils of government, Regional Transportation Planning Agency and County Public Health Departments;

- Transit Agencies - Any agency responsible for public transportation that is eligible for funds under the Federal Transit Administration;
- Natural Resources or Public Land Agencies - Federal, State, or local agency responsible for natural resources or public land administration;
- Public schools or School districts; and
- Tribal Governments - Federally-recognized Native American Tribes.

Next Steps:

Staff will present the Sustainable Communities Program Guidelines and Active Transportation & Safety Supplement to the Transportation Committee (TC) at their September 3, 2020, meeting. The TC will be asked to make a recommendation to the Regional Council to approve the Guidelines and authorize staff to release the 2020 Sustainable Communities Program Call for Applications - Active Transportation & Safety Supplement. Staff will also present the item to the Regional Council at their September 3, 2020 meeting for approval of release. Any significant comments from the SCAG policy committees will be reported to the Regional Council for their timely consideration prior to approval of the Guidelines. Pending Regional Council approval, the anticipated schedule can be found below:

SCP-Active Transportation & Safety Milestone	Date
Call for Applications Opens	September 8, 2020
Application Workshops	September/October 2020
SCAG SCP Call for Applications Deadline	November 13, 2020
Proposal Review and Scoring	December 2020 – March 2020
SCAG Regional Council Approval of the 2020 SCP – AT Application Rankings*	May 6, 2021
California Transportation Commission approval of ATP projects	June 2021
Projects Begin	Fiscal Year 2021-2022

*Projects receiving ATP funding will also be subject to approval by the SCAG Regional Council and California Transportation Commission as part of the adoption of the complete 2021 Regional ATP. SCAG Regional Council consideration is anticipated in May 2021 followed by CTC action in June 2021.

FISCAL IMPACT:

Staff's work budget for the SCP and funding for selected SCP projects are included in the FY 2020-2021 Overall Work Program (OWP) 275-4881.01– Sustainable Communities Program (SCP) Call for Applications (FY20 SB1 Formula).

ATTACHMENT(S):

1. 2016 Sustainable Planning Grants (SPG) Program Update
2. 2020 Sustainable Communities Program Final Guidelines & ATS Call for Applications

**2016 Sustainable Planning Grants (SPG) Program Update
September 2020**

Applicant	County	Subregion	Project	Project Status
Active Transportation - Active Transportation Projects				
Baldwin Park	Los Angeles	SGVCOG	Go Human Bike-Friendly Business Program	Work Underway
Buena Park	Orange	OCCOG	Go Human	Completed
Chino	San Bernardino	SBCTA	Go Human	Completed
Commerce	Los Angeles	GCCOG	Safe Routes to School Plan/Active Transportation Plan	Pass-Through to Agency
Costa Mesa	Orange	OCCOG	Go Human	Completed
Culver City	Los Angeles	WSCCOG	Go Human	Completed
El Monte	Los Angeles	SGVCOG	Ramona Blvd Complete Street Study	Completed
El Monte and South El Monte (Greater El Monte)	Los Angeles	SGVCOG	Go Human Bike-Friendly Business Program	Work Underway
Garden Grove	Orange	OCCOG	Safe Routes to School: Phase I Plan	Completed
Imperial County Transportation Commission	Imperial	ICTC	Safe Routes to School Project	Work Underway
La Canada Flintridge	Los Angeles	SGVCOG	Go Human	Completed
Long Beach DHHS	Los Angeles	GCCOG	Long Beach Safe Routes to School Program	Completed
Los Angeles County	Los Angeles	LA COUNTY	Vision Zero Action Plan	Work Underway
Los Angeles County DPW	Los Angeles	LA COUNTY	Walnut Park Go Human Demonstration Project	Completed
Los Angeles DOT	Los Angeles	LA CITY	Vision Zero - Community-Based Outreach	Work Underway
Los Angeles DOT	Los Angeles	LA CITY	Vision Zero Campaign - Media Development	Work Underway
Los Angeles Exposition Park	Los Angeles	LA CITY	Exposition Park Active Transportation Plan	Cancelled
OCTA	Orange	OCCOG	Partnerships With Police	Completed
Ontario	San Bernardino	SBCTA	Go Human	Completed
San Bernardino County	San Bernardino	SBCTA	Morongo Basin Active Transportation Plan	Completed
San Bernardino County	San Bernardino	SBCTA	Safe Routes to Schools Program	Work Underway
San Jacinto	Riverside	WRCOG	Envision San Jacinto (Go Human)	Completed
Santa Ana	Orange	OCCOG	Pedestrian and Bicyclist Education Campaign	Work Underway
SBCTA	San Bernardino	SBCTA	Redlands Rail Accessibility Plan	Work Underway
SGVCOG	Los Angeles	SGVCOG	Greenway Network Implementation Plan Phase I	Completed
SGVCOG (Glendora, San Dimas, La Verne, Pomona, and Claremont)	Los Angeles	SGVCOG	Arrow Highway Regional Corridor Plan	Work Underway
South El Monte	Los Angeles	SGVCOG	South El Monte Open Streets	Completed
Thousand Oaks	Ventura	VCCOG	Active Transportation Plan	Completed
Ventura County	Ventura	VCCOG	Safe Routes to School Master Plan	Completed
West Covina	Los Angeles	SGVCOG	Go Human	Completed
Wildomar	Riverside	WRCOG	Active Transportation Plan	Work Underway
City of LA	Los Angeles	LA CITY	Los Angeles Safe Routes to School	Work Underway
County of Orange	Orange	OCCOG	Hazard Ave Demonstration Project	Completed
Lake Elsinore	Riverside	WRCOG	Go Human	Completed
Riverside	Riverside	WRCOG	Go Human	Completed
La Quinta	Riverside	CVAG	Go Human	Completed
Long Beach	Los Angeles	GCCOG	Go Human	Work Underway
Sustainability - ILU/GRI Projects				
Anaheim	Orange	OCCOG	Center City Corridors Plan	Completed
Burbank	Los Angeles	SFVCOG	Golden State Implementation Study	Cancelled
Carson	Los Angeles	SBCCOG	Neighborhood Mobility Plan	Completed
Claremont	Los Angeles	SGVCOG	Claremont Locally Grown Power	Completed
Colton	San Bernardino	SBCTA	South Colton Revitalization Plan	Completed
Corona	Riverside	WRCOG	Climate Action Plan Update	Completed
Duarte	Los Angeles	SGVCOG	Town Center Traffic Calming Plan	Completed
Fontana	San Bernardino	SBCTA	Urban Greening Landscape Plan	Completed

Sustainability - ILU/GRI Projects				
GCCOG	Los Angeles	GCCOG	Climate Action Plan Framework	Completed
Glendale	Los Angeles	SFVCOG	Streetcar Feasibility Study	Contract/MOU Negotiation
Gold Coast Transit	Ventura	VCCOG	Building Transit Communities	Work Underway
Imperial County Transportation Commission	Imperial	ICTC	Imperial Valley Climate Action Plan	Work Underway
Long Beach	Los Angeles	GCCOG	Destination Uptown	Completed
Los Angeles County Metro	Los Angeles	LA CITY	Union Station Civic Center District	Work Underway
Los Angeles County Planning	Los Angeles	LA COUNTY	Climate Action and Adaptation Plan	Work Underway
Mission Viejo	Orange	OCCOG	Core Area Specific Plan	Cancelled
Moreno Valley	Riverside	WRCOG	Nason Street Corridor Phase II	Completed
Norwalk	Los Angeles	GCCOG	Firestone Corridor/San Antonio Village Vision	Contract/MOU Negotiation
Palmdale	Los Angeles	NLAC	Sustainable Mobility Element	Work Underway
Perris	Riverside	WRCOG	Healthy Cities Challenge	Completed
Placentia	Orange	OCCOG	Green Open Space Connections	Completed
Rancho Cucamonga	San Bernardino	SBCTA	Empire Yards Specific Plan	Work Underway
Santa Ana	Orange	OCCOG	Sustainability Vision	Work Underway
Santa Paula	Ventura	VCCOG	SCS Consistency Framework	Cancelled
San Bernardino County Transportation Authority	San Bernardino	SBCTA	San Bernardino County Regional GHG Reduction Plan Update	Work Underway
San Bernardino County Transportation Authority	San Bernardino	SBCTA	Story Maps ("Dynamic Data Stories")	Completed
South Pasadena	Los Angeles	SGVCOG	Climate Action Plan	Work Underway
Vernon	Los Angeles	GCCOG	Transit Service Feasibility Study	Completed
Western Riverside Council of Governments	Riverside	WRCOG	SB743 Implementation	Work Underway
Phase 2 Projects				
Active Transportation - Active Transportation Projects				
Covina	Los Angeles	SGVCOG	First/Last Mile Transit Station Planning	Work Underway
Indio	Riverside	CVAG	Bike Share Plan	Contract/MOU Negotiation
Irvine	Orange	OCCOG	Strategic Plan for Active Transportation	Work Underway
Los Alamitos	Orange	OCCOG	Active Transportation Plan	Work Underway
Redlands	San Bernardino	SBCTA	Sustainable Mobility Plan	Work Underway
Riverside	Riverside	WRCOG	Active Transportation Plan	Work Underway
Costa Mesa	Orange	OCCOG	Pedestrian Master Plan	Work Underway
Sustainability - ILU/GRI Projects				
Paramount	Los Angeles	GCCOG	North Paramount Blvd Gateway Plan	Contract/MOU Negotiation
Banning	Riverside	WRCOG	SB 743 Implementation (<i>formerly Paseo San Gorgonio Feasibility</i>)	Beginning RFP Scope
Big Bear Lake	San Bernardino	SBCTA	Mountain Mobility Analysis	Cancelled
Huntington Beach	Orange	OCCOG	Orange County Recycling Market Development Zone	Cancelled
Rolling Hills Estates	Los Angeles	SBCCOG	General Plan Update - Sustainability Element	Contract/MOU Negotiation
Torrance	Los Angeles	SBCCOG	Signage & Wayfinding Plan	Contract/MOU Negotiation
Westminster	Orange	OCCOG	Civic Center Specific Plan	Cancelled
Yucaipa	San Bernardino	SBCTA	Freeway Corridor Specific Plan Update	RFP Selection

**2018 Sustainable Communities Program (SCP) Update
September 2020**

Applicant	County	Subregion	Project	Project Status
Active Transportation - Active Transportation Projects				
City of Calexico	Imperial	ICTC	Rockwood Avenue Demonstration Project	RFP Development
City of Long Beach	Los Angeles	GCCOG	South Street Complete Street	MOU Materials Review/Drafting
City of El Monte	Los Angeles	SGVCOG	Gateway to Downtown El Monte Complete Streets Demonstration	RFP Development
City of Glendale Dept of Public Works Engineering Division	Los Angeles	AVCOG	Brand Boulevard Complete Streets Demonstration Project	RFP Development
Pasadena Department of Transportation	Los Angeles	AVCOG	Pasadena Allen Avenue Pedestrian Safety Enhancement	RFP Development
City of Ojai	Ventura	VCOG	Ojai Maricopa Highway Transformation Demonstration	Work Underway
Imperial County Transportation Commission	Imperial	ICTC	Imperial County Regional Active Transportation Plan	RFP Development
City of Azusa	Los Angeles	SGVCOG	Pedestrian Master Plan	Contract Negotiation/Drafting
Pasadena Department of Transportation	Los Angeles	AVCOG	Pedestrian Master Plan	Contract Negotiation/Drafting
City of Buena Park	Orange	OCCOG	City of Buena Park Comprehensive Active Transportation Plan	SOW Development
Cathedral City	Riverside	CVAG	Cathedral City Active Transportation Plan (ATP)	SOW Development
City of Avalon	Los Angeles	WSCCOG	City of Avalon Master Active Transportation Plan	RFP Released
City of Palmdale	Los Angeles	NLAC	Avenue Q from Sierra Highway to 20th Street East Complete Streets Project	RFP Selection
Omnitrans	San Bernardino	SBCTA	Omnitrans Safety Strategic Plan	Work Underway
Los Angeles County Department of Public Works	Los Angeles	SGVCOG	Walnut Park North-South Corridor Study	RFP Selection
City of El Monte	Los Angeles	SGVCOG	El Monte Vision Zero Action Plan	Work Underway
San Bernardino County Transportation Authority	San Bernardino	SBCTA	San Bernardino County SRTS Program	Awardee to Administer
Los Angeles County Department of Public Works	Los Angeles	SGVCOG	East LA Active Transportation Education and Encouragement Program	Awardee to Administer
Orange County Transportation Authority	Orange	OCCOG	Safe Travels Education Program (STEP) Campaign	Awardee to Administer
Riverside County Department of Public Health	Riverside	CVAG	Riverside County SRTS Program, Desert Hot Springs	Awardee to Administer
Sustainability - ILU/GRI Projects				
City of Fullerton	Orange	OCCOG	Rail District Specific Plan <i>(formerly Livable Corridor Plan)</i>	Work Underway
City of Yucaipa	San Bernardino	SANBAG	Livable Corridor Plans <i>(combined with 2016 award)</i>	RFP Released
City of Beaumont	Riverside	WRCOG	Parking Management Plans	Work Underway
City of San Fernando	Los Angeles	SFVCOG	Parking Management Plans	Work Underway
San Bernardino County Transportation Authority (SBCTA)	San Bernardino	SANBAG	SB743 Implementation Studies	Contract Negotiation/Drafting
City of Los Angeles (LADOT)	Los Angeles	LA City	SB743 Implementation Studies	Contract Negotiation/Drafting
City of Temecula	Riverside	WRCOG	SB743 Implementation Studies	Completed
City of Long Beach	Los Angeles	GCCOG	Urban Heat Island Reduction Studies	Contract Negotiation/Drafting
City of Pasadena	Los Angeles	AVCOG	Urban Heat Island Reduction Studies - Pasadena - Lincoln Ave	Contract Negotiation/Drafting
City of Pasadena	Los Angeles	AVCOG	Urban Heat Island Reduction Studies - Pasadena - Holly Street	Contract Negotiation/Drafting
City of Anaheim	Orange	OCCOG	Fast Charging Network Strategies	Contract Negotiation/Drafting
Culver City	Los Angeles	WSCCOG	Fast Charging Network Strategies	Contract Negotiation/Drafting
City of Long Beach	Los Angeles	GCCOG	Fast Charging Network Strategies	Contract Negotiation/Drafting
City of Los Angeles	Los Angeles	LA City	Fast Charging Network Strategies	Contract Negotiation/Drafting
City of Artesia	Los Angeles	GCCOG	Initial PEV Readiness Planning	Contract Negotiation/Drafting
City of Pico Rivera	Los Angeles	GCCOG	Initial PEV Readiness Planning	Contract Negotiation/Drafting
City of Redlands	San Bernardino	SANBAG	Initial PEV Readiness Planning	Contract Negotiation/Drafting
City of Baldwin Park	Los Angeles	SGVCOG	San Gabriel Valley Region Cities EV Planning	Contract Negotiation/Drafting
City of San Dimas (SGVCOG, Covina, Diamond Bar, La Puente, Monrovia, La Verne, South El Monte, Walnut)	Los Angeles	SGVCOG	San Gabriel Valley Region Cities EV Planning	Contract Negotiation/Drafting
City of Glendora	Los Angeles	SGVCOG	San Gabriel Valley Region Cities EV Planning	Contract Negotiation/Drafting
City of Rosemead	Los Angeles	SGVCOG	San Gabriel Valley Region Cities EV Planning	Contract Negotiation/Drafting

2020/21 Sustainable Communities Program (SCP) Program Guidelines + Active Transportation & Safety Call for Applications

SCP Overview

The Southern California Association of Governments (SCAG) announces the 2020 Sustainable Communities Program (SCP) – Active Transportation & Safety Supplement (ATS) Call for Applications. Since 2005, SCAG’s various sustainability planning grant programs (Compass Blueprint, Sustainability Planning Grants, Sustainable Communities Program) have provided resources and direct technical assistance to jurisdictions to complete important local planning efforts and enable implementation of the Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS), which today is called [Connect SoCal](#).

The SCP allows SCAG to strengthen partnerships with local agencies who are responsible for land use and transportation decisions. Projects selected will allow local agencies to facilitate coordination and integration of transportation planning with active transportation, housing production, safety, smart cities, mobility innovation, transportation demand management, green region and sustainability. The SCP also serves as the primary funding vehicle where SCAG partners with local agencies to implement the goals, objectives and strategies of Connect SoCal and achieve an integrated regional development pattern that reduces greenhouse gas (GHG) emissions. Applicants are encouraged to review strategies promoted in Connect SoCal to align project applications with regional planning priorities and concepts.

The SCP will provide local jurisdictions with multiple opportunities to seek funding and resources to meet the needs of their communities, address recovery and resiliency strategies considering COVID-19, and support regional goals. SCAG will release Calls for Applications throughout Fiscal Year ’21 to select projects within different program areas and funding categories.

SCP Goals

The SCP aims to:

- Provide needed planning resources to local jurisdictions for active transportation and multimodal planning efforts, sustainability, land use, and planning for affordable housing;
- Promote, address and ensure health and equity in regional land use and transportation planning and to close the gap of racial injustice and better serve our communities of color;
- Encourage regional planning strategies to reduce motorized Vehicle Miles Traveled (VMT) and greenhouse gas (GHG) emissions, particularly in environmental justice communities where there is the highest need for air quality improvements;
- Develop local plans that support the implementation of key strategies and goals outlined in Connect SoCal’s Sustainable Communities Strategy;
- Develop resources that support the Key Connections as outlined in Connect SoCal, including Shared Mobility and Mobility as a Service, Smart Cities and Job Centers, Accelerated Electrification, Go Zones, and Housing Supportive Infrastructure;
- Support a resilient region that looks to climate adaptation and public health preparedness as key strategies to address community prosperity, transportation safety, economic recovery and sustainability;

- Increase the region’s competitiveness for federal and state funds, including, but not limited to the California Active Transportation Program and Greenhouse Gas Reduction Funds.

Moreover, the SCP seeks to advance Connect SoCal’s “Core Vision,” which centers maintaining and better managing Southern California’s transportation network for moving people and goods, while expanding mobility choices by locating housing, jobs and transit closer together and increasing investment in transit and complete streets. The Core Vision includes policies and investments that support sustainable development; system preservation and resilience; demand management strategies and intelligent transportation systems; a regional transit backbone; complete streets; and goods movement.

On July 2, 2020, the SCAG Regional Council adopted a resolution reaffirming the agency’s commitment to working toward a fair and just society and systemic change to eliminate all barriers that reduce opportunity and undermine Southern California’s shared values and ability to thrive. SCAG affirmed its commitment to meaningfully advance justice and equity; and SCAG declared its intent to strengthen the way it engages and convenes to protect and expand community voice and power, and work in partnership with others to close the gap of racial injustice and better serve our communities of color, and in so doing, serve all the people of the region. The SCP aims to prioritize resources where there is a demonstrated need, guided by the Connect SoCal Goal, “to support healthy and equitable communities.” SCAG is committed to advancing equity through addressing systemic disparities in the SCAG region, and to lift and center communities most impacted by economic, social, and environmental injustices towards the goal of creating healthy and equitable communities.

Active Transportation & Safety Supplement (SCP – ATS)

SCP - ATS Overview

The Sustainable Communities Program Active Transportation & Safety Category (SCP-ATS) will fund planning and quick build projects that result in increased rates of walking and biking, promote traffic safety, expand opportunities for multimodal transportation options, and better position local jurisdictions to be competitive for implementation funds. Eligible projects include Active Transportation Plans, Safety Plans, Network Visioning and Implementation, and Quick Build projects.

Applicants are encouraged to review strategies included within [Connect SoCal](#) – specifically, Chapter 3, the [Active Transportation Technical Report](#), the [Transportation Safety and Security Report, Public Health](#), and other relevant [technical reports](#) - to align project applications with regional planning priorities and concepts.

The most competitive applications will advance multiple planning goals, prioritize practical context-based need, utilize innovative planning practices, and result in planning products or programs that clearly tie community need with implementation. Conducting collaborative public participation efforts to involve communities previously not engaged in land use and transportation discussions is required. Project must demonstrate how community engagement will be implemented in shaping the project.

SCP – ATS Goals and Purpose

The SCP-ATS Call for Applications seeks to implement [Connect SoCal](#), a long-range vision for transportation and land use planning for the region. Connect SoCal focuses on the implementation

of multiple regional active transportation strategy areas: Short Trip Strategies, Regional Trip Strategies, Planning Strategies, Data Collection, Technology and Micro-Mobility, Complete Streets, Education/Encouragement and Safety Strategies. All applicants are encouraged to review and align proposals with the recommended strategies, which can be found in the [Connect SoCal Active Transportation Technical Report](#). And the [Transportation Safety and Security Report](#).

By directing funding toward projects that implement Connect SoCal, SCAG aims to achieve the following goals:

- Prioritize historically disinvested and communities of color, which comprise the majority of the Regional High Injury Network to strategically invest resources;
- Increase the proportion of trips accomplished by biking, walking, and rolling;
- Increase safety and mobility of people walking, biking, and rolling;
- Continue to foster jurisdictional support and promote implementation of the goals, objectives, and strategies of Connect SoCal;
- Seed active transportation concepts and produce plans that provide local agencies with the project prioritization, conceptual renderings, and cost estimates required for future ATP applications;
- Prioritize alignment and integration of Key Connections outlined in Connect SoCal, including Shared Mobility and Mobility as a Service, Smart Cities and Job Centers, Accelerated Electrification, Go Zones, and Housing Supportive Infrastructure; and
- Integrate multiple funding streams to increase the overall budget for active transportation planning and capacity building projects.

SCP – ATS Eligible Applicants

The following entities, within the SCAG region, are eligible to apply for SCP-ATS funds:

- Local or Regional Agency - Examples include cities, counties, councils of government, Regional Transportation Planning Agency and County Public Health Departments.
- Transit Agencies - Any agency responsible for public transportation that is eligible for funds under the Federal Transit Administration.
- Natural Resources or Public Land Agencies - Federal, State, or local agency responsible for natural resources or public land administration.
- Public schools or School districts.
- Tribal Governments - Federally-recognized Native American Tribes.

Prioritizing Community Engagement Across Project Categories: *Go Human Integration*

Community engagement is essential in developing and implementing any project. SCAG provides a suite of resources through its [Go Human campaign](#) that are available to complement and leverage proposed projects. These resources include the *Go Human* Kit of Parts and co-branded advertising collateral. To receive additional points, applicants must select and identify one or both of the following elements to integrate in their project. A small percent of the project budget shall be allocated to *Go Human* that SCAG will include in the project RFP.

Go Human Kit of Parts – The *Go Human* Kit of Parts includes materials, signage and evaluation tools that allow the applicant or their consultant to plan and implement a *Go Human* demonstration project to gain community feedback as part of the planning process. The applicant or its consultant will be responsible for transportation of materials and preparation of a site and installation plan, to be approved by SCAG. The applicant or its consultant will also be responsible for the set-up, break-down and oversight of the *Go Human* Kit of Parts as part of the demonstration. SCAG staff will be available to provide feedback and guidance on planning for a successful demonstration or event and direction on appropriate utilization of the Kit of Parts.

Advertising Campaign – Co-branded *Go Human* print materials are available at no cost to cities or other local government agencies to help improve traffic safety for people walking and biking, and to help extend the reach of the *Go Human* campaign. Available materials include, but are not limited to:

- Lawn signs
- Banners
- Postcards
- Billboard ads (with donated placement)
- Bus shelter or bench ads (with donated placement)
- Social media graphics

Projects should advance one or more previously described program goals.

SCP – ATS Summary of Eligible Project Types – Examples and Project Components

Project Type: Community or Area Wide Plans

Active Transportation Focused Plans -

Example Plans:

- Active Transportation Plans
- Pedestrian Plans
- Bike Plans
- First/Last Mile Plans

Required Project Components:

- Coordinated public engagement, prioritizing historically disinvested communities and non-traditional stakeholders
- Technical analysis and Level of Traffic Stress analysis
- Facility design and network mapping
- Project level conceptual designs

Transportation Safety Focused Plans -

Example Plans:

- Safe Routes Plans (Schools, First/Last Mile Plans)
- Local Road Safety Plans or Safe Systems Plans

Required Project Components:

- High Injury Network or Hot Spot Analysis
- Planning work will conclude with the preparation of a grant application for a project or program identified within the plan

Project Type: Quick Build Projects

Example Project:

- Interim capital improvement project (pilot infrastructure), identified through an existing plan and responding to an immediate community safety need
- 1-3-year duration, including evaluation, data collection, and study period
- Project modifications based on community need and evaluation

Required Project Components:

- Coordinated public engagement, prioritizing historically disinvested communities and non-traditional stakeholders
- Branding and advertising
- Facility design and data collection
- Performance evaluation

Project Type: Network Visioning and Implementation

Example Project:

- Active Transportation Network Vision Planning
- Quick Build project implementation, interim capital improvement project (pilot infrastructure), 1-3-year duration

Required Project Components:

- Coordinated public engagement, prioritizing historically disinvested communities and non-traditional stakeholders
- Technical analysis and Level of Traffic Stress analysis
- Facility design and network mapping
- Branding and advertising
- Quick Build interim capital improvement project (pilot infrastructure project) and performance evaluation

Note: Applicants may apply for more than one type, and they may submit multiple applications. SCAG staff is available to support applicants in determining the most appropriate type for their project(s).

SCP – ATS Eligible Project Types – Overview and Maximum Award

Project Type: Community or Area Wide Plans

Active Transportation Focused Plans (maximum award per project: \$500,000)

Applications submitted for this project type should support the implementation of the Core Vision: Complete Streets and Active Transportation strategies as outlined in Connect SoCal. All planning applications must meet the requirements of the Active Transportation Program, as described in Appendix A of the [2021 Active Transportation Program Guidelines](#) (Cycle 5), with the following exception: SCAG will allow for plan applications to be completed in communities or areas that are not considered disadvantaged.

Examples of eligible plans include but are not limited to the following:

- Community-wide Bicycle or Pedestrian Master Plans
- Community-wide Active Transportation Master Plans

- First-Last Mile Plans (active transportation improvements only)

The final deliverable for all plans must include the required components for a future ATP application; including project prioritization, conceptual renderings, and cost estimates.

Transportation Safety Focused Plans (maximum award per project: \$250,000)

Safety Action Plans should include a focus on protecting people walking and biking but may also address vehicle to vehicle collisions. Examples of plans that may be funded include but are not limited to:

- Local Road Safety Plans or Safe Systems Plans: These plans should provide a framework to systematically analyze and identify safety problems and include recommendations for safety improvements. Plans should allow jurisdictions to address crash risks and may identify specific or unique conditions that contribute to crashes in the specific jurisdiction. Plans should provide jurisdictions with the opportunity to proactively correct high collision locations and reduce fatalities and serious injuries, especially for vulnerable users (e.g., children, seniors, bicyclists, pedestrians, etc.). Plans should recommend proven countermeasures, provide a structured and realistic set of recommendations that implement changes over time, and address the critical E's (engagement, equity, engineering, encouragement, education, and evaluation). These plans should include the identification of a High Injury Network (HIN) or hot spot analysis, and the identification of a priority project or program that can be the subject of a draft grant application.
- Complete Streets Safety Assessments: These assessments aim to improve pedestrian and bicyclist safety and to enhance a specific area's accessibility and walkability. The assessments are narrower in scope than a citywide plan and focus on specific high crash areas. Work may include completing a benchmarking safety analysis and a collision data analysis, site visits, walk audits and the formulation of recommendations specific to each area. These plans should include the identification of a priority project that can be the subject of a draft grant application.
- Safe Routes Plans (e.g., Schools, First/Last Mile Plans): These plans should include the identification of a High Injury Network (HIN) or hot spot analysis related to their area of focus, and the identification of a priority project or program that can be the subject of a draft grant application.

Safety Plans should aim to advance and leverage state and regional planning activities. Safety Plans are intended to help further the region's efforts to reduce transportation-related serious injuries and fatalities and achieve regional safety targets. SCAG's Calendar Year 2020 safety targets are as follows:

- Number of fatalities: 1,607
- Rate of fatalities per 100 million vehicle miles traveled (VMT): 0.96
- Number of serious injuries: 5,736
- Rate of serious injuries per 100 million VMT: 3.42
- Number of non-motorized fatalities and non-motorized serious Injuries: 1,916

Plans should be data driven and include recommendations for context-sensitive approaches for reducing collisions. Plans should be developed in close coordination with community members and stakeholders. To learn more about the region's transportation safety existing conditions and safety targets, please visit SCAG's [Transportation Safety page](#).

Plans in this category should consider including the following elements:

- Group safety skills walk or ride
- Walk or bike audits

- Media campaigns
- Temporary demonstration projects

Project Type: Quick Build Projects (maximum award per project: \$900,000)

Quick Build projects are interim capital improvement projects that further the goals of the ATP and serve as design/build opportunities based on community feedback. These projects require minor construction activities, support workforce development needs, and are typically built with durable, low to moderate cost materials. Quick Build projects may be implemented for one to five years. These projects have moderate design flexibility to anticipate adjustments that may occur due to community feedback or design challenges. The purpose of a Quick Build project is to respond to an identified safety need and implement safety treatments, enabling a community to benefit quickly from the improvements. Quick Builds facilitate opportunities for communities to provide input and test the project improvements prior to full project construction.

Quick Build Projects support the Education/Encouragement Strategies outlined in Connect SoCal and provide support for the implementation of other regional strategies, such as Regional Corridors or Transit Integration Strategies. Quick Builds are an opportunity for communities to test infrastructure designs before committing to the permanent infrastructure. This strategy supports an avenue to envision how active transportation projects can support mobility needs and contribute significantly to the air quality requirements in Connect SoCal.

This project type is an evolution of SCAG's successful [Go Human](#) engagement events, which have helped local agencies refine designs, build community support, attract grant funding, and expedite delivery of active transportation projects. Quick Build projects should be installed a minimum of one year to accommodate significant community engagement and allow for a more comprehensive assessment of project impact. Applicants who wish to apply for this program are strongly encouraged to attend an Application Workshop and/or reach out to SCAG staff for more information.

Objectives include but are not limited to the following:

- Respond to a community-identified safety need and implement safety improvements quickly to maximize community benefit;
- Provide an opportunity to test infrastructure treatments and make modifications based on public feedback and/or design challenges;
- Increase public engagement with historically disinvested communities and non-traditional stakeholders through opportunities to test infrastructure and provide feedback;
- Position local jurisdictions to be competitive for grant funding through performance evaluation data and innovative community engagement strategies.

Examples of eligible projects include but are not limited to the following:

- Active transportation infrastructure (protected bike lane, bulb-outs, curb extensions)
- Multimodal infrastructure integration (dedicated bus pilot lanes and transit integration with active transportation infrastructure)
- Public Pedestrian Plazas

Project Type: Network Visioning and Implementation (Maximum award: \$1,250,000)

Due to incomplete networks, high stress streets, increased fatalities/serious injuries, the SCAG region's walking and biking potential has not been maximized and as a result, community benefits of active

transportation have not been capitalized upon. To respond to this need, SCAG is offering a network visioning project category to better position local jurisdictions to install targeted, complete, and low stress active transportation networks that can significantly improve safety, trigger economic development and contribute to sustainability efforts. Unlike traditional approaches, where the network is planned and built out over many years, one project or segment at a time, this approach develops a plan to deliver the entire network for targeted areas in a condensed timeframe ensuring there are no high-stress or unsafe gaps that compromise the travel experience. This project category prioritizes active transportation networks not as an amenity, but as essential and regionally significant transportation networks.

Objectives include but are not limited to the following:

- Identify a network gap based on/derived from existing community-supported plans or outreach efforts to ensure alignment with existing community direction;
- Conduct additional comprehensive and meaningful public engagement with historically under-resourced communities to inform network build out that prioritizes fulfilling transportation needs and connects to long term planning goals;
- Encourage a paradigm shift to view active transportation networks as essential infrastructure and encourage more ambitious active transportation projects;
- Better position local jurisdictions to be more competitive for statewide ATP implementation funding and other sources of funding that may require developed plans;
- Demonstrate the return on investment for active transportation networks via air quality improvements, public health benefits (such as reduced rates of chronic health disease) and reduced collision rates;
- Prioritize network build out in local jurisdictions by saturating an area, with comprehensive engagement, for catalytic impact.

This project category will include development of a framework as a model for cities to work with SCAG and a consultant to conduct visioning and position cities to plan and install entire active transportation networks within a short- to mid-term timeframe, alongside thoughtful community engagement. The framework will identify and implement a phased approach for quick build pilot projects, identified through technical analysis and robust public engagement, prior to network construction, to take on the most “stressful” segment first and set up the network build-out in phases. The project will include the following elements:

- Technical analysis
- Public engagement
- Education and advertising
- Development of a Community-wide Active Transportation Plan
- Phase 1 Quick Build project implementation
- Evaluation

Applicants who wish to apply for this program are strongly encouraged to attend an Application Workshop and/or reach out to SCAG staff for more information.

SCP – ATS Match Requirements

There are no match requirements for active transportation or safety projects proposed through the SCP-ATS.

SCP – ATS Scoring Rubric & Criteria

Each application includes three main scoring criterion – 1) Project Need, 2) Scope of Work and Project Outcomes and 3) Partnerships and Community Engagement. Application questions vary by project type. The potential points to be awarded for responses to each question, by project type, are noted in each application. Further clarification regarding how points are awarded will be provided in the project application forms.

Scoring Criteria	
Focus Area 1: Project Need	50 Points
Mobility Need	15
Safety Benefits	20
Disadvantaged Communities and Public Health	15
Focus Area 2: Desired Project Outcomes	35 Points
Safety Strategies and Scope of Work	5
Public Health Strategies	5
Community Engagement Strategies	5
Project Benefits and Scope of Work	20
Focus Area 3: Partnerships and Engagement	15 Points
Cost Effectiveness	5
Commitments, Partnerships, and Leveraging	10

SCP – ATS Application Process

Eligible applicants are encouraged to apply to the SCP-ATS by completing an application specific to one the three Project Types, above. Please contact SCAG staff if the project includes multiple components, or if for any other reason, support is needed in identifying the proper application to use for a project application. Application workshops will be scheduled for September XX and October XX, 2020 to address any questions related to the application process. More information and details on the workshops see, please see the [SCAG SCP website](#). **Applicants must complete and submit their application by precisely 5:00 p.m., November 13, 2020.**

SCP – ATS Evaluation Process

For SCP-ATS projects, six (6) evaluation teams, one (1) per county, will be established to review, score and rank applications submitted to the SCP-ATS. Each team will be comprised of staff from the county transportation commissions and SCAG. Projects will compete and be ranked against other projects within their respective county. Final awards will be based on application score, geographic distribution, and funding eligibility. Following grant award announcements, unsuccessful applicants are encouraged to meet with SCAG staff to obtain feedback on opportunities to improve their applications for future grant cycles.

Funding Sources

Funding for the 2020 SCP will be provided through a combination of federal, state, and local sources. SCAG will allocate funding for project applications based on the eligibility of each funding source and the applicant's readiness. Awards and projects will be managed by SCAG and implemented through its consultants only. Hosting a Call for Applications to award funds through multiple funding streams is intended to simplify the application process and achieve efficiencies in program administration. The 2020 SCP-ATS will program up to five percent (5%) of SCAG's regional funding from Cycle 5 of the Active Transportation Program, per the 2021 [ATP Regional Guidelines](#).

Due to the inclusion of Senate Bill 1 (SB1) funding, at the time of award notice an applicant, sub-applicant, and/or jurisdiction is required to have a housing element in substantial compliance with State housing element law, and must be current with submitted updated housing element Annual Progress Reports.

Timely Use of Funds/Time Extensions

A project initiation schedule and expectations regarding the period of performance will be determined within three months of project award announcements, and will be based on project complexity, funding source, and SCAG staff capacity. In certain cases, projects may receive a notice to proceed two to three years after the project award announcements. Once the project schedule has been established, extensions will be considered on a case-by-case basis. Extensions and scope changes must be requested in letter format. All requests must include an explanation of the issues and actions the agency has taken to correct the issues. All extensions will be contingent on funding availability and the program requirements of the funding source assigned to the project when awarded. SCAG intends all selected projects to be completed in a timely manner and requires that applicants coordinate internal resources to ensure timely completion of the projects.

SCP – ATS Schedule

The following schedule outlines important dates for the first phase, SCP-ATS.

SCP-ATS Milestone	Date
SCP-ATS Call for Applications Opens	September 8, 2020
SCP-ATS Application Workshops	September/October 2020
SCP-ATS Call for Applications Deadline	November 13, 2020
SCAG Regional Council Approval of the 2020 SCP – ATS Application Rankings*	May 2021

*Projects receiving ATP funding will also be subject to approval by the SCAG Regional Council and California Transportation Commission as part of the adoption of the complete 2021 Regional ATP. SCAG Regional Council consideration is anticipated in May 2021 followed by CTC action in June 2021.

SCP – ATS Contact Information

Questions regarding the SCP-ATS applications or application process should be directed to:

Hannah Brunelle

Associate Regional Planner

Telephone: 213-236-1907

Email: brunelle@scag.ca.gov

SCP – ATS Submittal Information

Applications are due Friday, November 13, 2020 by 5:00 p.m. using the instructions provided in the application. Questions regarding submitting applications for each category should be emailed to the contact person listed above. Applications should include all supporting documents in a single PDF file. Project sponsors do not need a board resolution in order to apply, but they will be required to agree to submit a supporting resolution from the elected body or a letter of intent in support of the project from the appropriate executive officer prior to receiving funding. Files should be labeled in the following format:

Agency Name_Phase Category_Application Category_Project Name. For example: SCAG_AT_QuickBuild_Main Street Demonstration



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Community
Economic & Human Development Committee (CEHD)
Regional Council (RC)

**EXECUTIVE DIRECTOR'S
APPROVAL**

From: MaAyn Johnson, Housing Program Manager,
(213) 236-1975, johnson@scag.ca.gov

Subject: Subregional Partnership Program Guidelines

RECOMMENDED ACTION FOR CEHD:

Recommend that the Regional Council approve the Subregional Partnership Program Guidelines and authorize the SCAG Executive Director or his designee to enter into agreements with the designated subregional partners under this Program, as applicable.

RECOMMENDED ACTION FOR RC:

Approve the Subregional Partnership Program Guidelines and authorize the SCAG Executive Director or his designee to enter into agreements with the designated subregional partners under this Program, as applicable.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

EXECUTIVE SUMMARY:

Based on Regional Council action at its March 5, 2020 meeting, SCAG has set aside approximately \$23 million of its REAP housing funding for the Subregional Partnership Program and has developed guidelines which outline program requirements, eligible projects, and the application process. The program is intended to augment resources available through locally received SB 2 and Local Early Action Planning (LEAP) grants and foster subregional collaborations to take advantage of economies of scale in meeting housing goals. The funding amount available for each subregional partner will be based on the final RHNA allocation. Eligible projects and activities include, for example, preparing and implementing 6th cycle housing elements, temporary staffing to assist with housing elements, zoning ordinances to accommodate additional housing, and establishing regional housing trust funds.

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

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The first date to file applications for subregions is September 17, and applications are due by December 1. All applicants must submit an application or Intent to Apply for Program Funding by September 30, 2020 in order to receive project funding from this program. SCAG will review all applications to determine eligibility and assess alignment with regional priorities. Funds that are not applied for by subregions by the final deadline will be used by SCAG for other REAP programs. All projects must conclude by June 30, 2023.

BACKGROUND:

The REAP (Regional Early Action Program) is one of two one-time planning programs enacted with the State 2019-20 Budget Act. Another one, the LEAP (Local Early Action Program) program, is a formula grant program cities and counties are eligible for based on population size. Councils of government (COGs) such as SCAG are eligible for REAP program awards of planning funds of fixed amounts for planning activities that will accelerate housing production and facilitate compliance in implementing a jurisdiction's 6th cycle Regional Housing Needs Assessment (RHNA). SCAG is eligible to administer \$47 million in REAP funding for activities to support local governments and stakeholders in housing planning.

On October 3, 2019, the SCAG Regional Council reviewed a Housing Program Framework that provided a general outline for REAP funding as part of its agenda. The Framework outlined several key goals for REAP funding, including:

- Align resources with allocation methodology for the 6th Cycle of RHNA to support local jurisdictions in addressing identified housing needs;
- Advance Connect SoCal sustainable development goals including supporting local jurisdictions in promoting housing in priority growth areas to increase access to jobs and transit and reduce environmental impacts;
- Maximize funding allocations by providing technical assistance and capacity building necessary to support local agencies in applying for and expending program resources; and
- Direct resources toward programs and activities that complement and increase the competitiveness of the SCAG region for other funding programs, including by increasing the number of jurisdictions that are designated by HCD as "pro-housing", as specified in AB 101, qualifying them to receive additional points in the scoring of program applications.

SCAG intends to administer the REAP funds through a combination of direct technical assistance, including housing element data components and policy assessments, subregional partnerships, community-based partnership grants in collaboration with philanthropic organizations, and planning support offered through the Sustainable Communities Program to local jurisdictions or entities serving single or multiple jurisdictions.

The REAP program authorizes subregional partnerships and encourages inter-governmental collaboration on projects that have a broader regional impact on housing. Based on Regional

Council action at its March 5, 2020 meeting, of the \$47 million SCAG is eligible for, up to 50 percent, or approximately \$23 million, of this amount will be allocated to fund subregional partnership projects.

SCAG has developed program guidelines that outline program requirements, eligible projects and applicants, and the application process. The Notice of Funding Availability (NOFA) for REAP, published by the California Department of Housing and Community Development (HCD) on February 27, 2020, outlines contractual delegation for interpretation and accountability to SCAG from HCD to administer this type of program.

Qualifying projects will be authorized by SCAG subsequent to a consultation and application process. Funds are available on a reimbursement basis, requiring completed contractual deliverables. For the most part, approved projects and activities will be reimbursed directly by SCAG. To meet the reimbursement deadlines of REAP, all REAP funded projects must conclude by June 30, 2023. Expenditure reimbursement requires prior authorization of the eligible projects and activities. SCAG may be subject to repayment of REAP funds to HCD if it is found in breach of its agreement with HCD, which can occur if REAP funds are used for ineligible activities.

The program funding is intended to take advantage of economies of scale and augment planning activities already underway through funding available to local jurisdictions under SB 2 and LEAP awards. The planning activities are required to accommodate the development of housing and supportive infrastructure that will accelerate housing production in a way that aligns with state planning priorities, housing, transportation, equity, and climate goals and regional priorities. Projects must be aligned with the regional priorities of the adopted Connect SoCal plan and the Housing Policy Framework included in the October 3, 2019 Regional Council agenda.

Eligible applicants for Subregional Partnership Program funding are limited to agencies designated as subregions under this program. While most of SCAG's fifteen defined subregional entities are considered as subregions for this program, several jurisdictions have membership in more than one subregion. Additionally, several jurisdictions span more than one subregion. For these reasons, the City of Los Angeles, County of Los Angeles, and County of Riverside are considered as individual subregional partners under this program.

If a jurisdiction elects not to participate with its suggested subregional partner, the funding allocation for that jurisdiction will be subtracted from the total amount available to the subregional partner. However, unless the partner is identified as such under this program, funding will not be provided directly to individual jurisdictions. Remaining funds due to the non-participation of a jurisdiction with a subregional partner or unencumbered by a subregion after the application deadline will be used to fund other REAP programs by SCAG.

Between June and August 2020, SCAG staff surveyed subregional partners about proposed projects and held information consultation meetings with staff to discuss project eligibility, connection to housing production, alignment with regional priorities, and augmenting SB 2 and LEAP activities. Based on these discussions, SCAG developed the Subregional Partnership Program guidelines to provide context and requirements for sub-allocation projects.

Pending Regional Council adoption of the guidelines, the first date to file applications for Subregional Partnership Program projects is September 17. All applicants must submit an application or Intent to Apply for Program Funding by September 30, 2020 in order to receive project funding from this program. All applications are due to SCAG by December 1, 2020. Remaining funds due to the non-participation of a jurisdiction with a subregional partner, a lack of submittal of an application or Intent to Apply for Program Funding by September 30, 2020, or unencumbered by a subregion after the December 1, 2020 application deadline will be used to fund other REAP programs by SCAG.

Applications will be reviewed by SCAG staff on an ongoing basis and will be assessed on activity eligibility, nexus to housing production, alignment with REAP program objectives and SCAG regional priorities, status of LEAP applications for local jurisdictions, and progress toward housing element implementation.

After applications are approved, SCAG will provide the subregional partner with an award letter. For subregions electing to procure and/or manage the project, the subregional partner must enter into an agreement with SCAG. All projects and activities funded by this program must conclude by June 30, 2023.

FISCAL IMPACT:

Work associated with this item is included in the FY 20-21 Overall Work Program (21-300.4872.01: Regional Early Action Planning (REAP) Grants Program (AB 101)).

ATTACHMENT(S):

1. Draft Subregional Partnership Guidelines
2. Draft Application and Intent to Apply Form
3. PowerPoint Presentation - REAP Subregional Partnership Program

Regional Early Action Planning (REAP) Subregional Partnership Program Guidelines

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REAP Subregional Partnership Program Guidelines

Section 1

Program Objectives

The Regional Early Action Program (REAP) Subregional Partnership Program is intended to increase planning to accelerate housing production throughout the SCAG region through implementable actions that will increase housing supply to meet the sixth cycle regional housing needs assessment (RHNA). The Subregional Partnership program has been designed to augment and complement funds that are awarded to jurisdictions by the California Department of Housing and Community Development (HCD) pursuant to SB (Senate Bill) 2 Planning Grants and the Local Early Action Program (LEAP).

Additional objectives for the Subregional Partnership Program were developed from SCAG's program framework for REAP funding, as reviewed by the Regional Council at its October 3, 2019 meeting. These objectives include:

- Align resources with allocation methodology for the 6th Cycle of RHNA to support local jurisdictions in addressing identified housing needs,
- Advance Connect SoCal sustainable development goals including supporting local jurisdictions in promoting housing in priority growth areas to increase access to jobs and transit and reduce environmental impacts,
- Maximize funding allocations by providing technical assistance and capacity building necessary to support local agencies in applying for and expending program resources, and
- Direct resources toward programs and activities that complement and increase the competitiveness of the SCAG region for other funding programs, including by increasing the number of jurisdictions that are designated by HCD as "pro-housing", pursuant to AB (Assembly Bill) 101 (2019), qualifying them to receive additional points in the scoring of program applications for housing and infrastructure programs pursuant to guidelines adopted by HCD.
- Build longer term capacity at SCAG and in the region to address housing issues, including by:
 - Facilitating compliance with state housing law
 - Defining a sustainable role for SCAG that marries housing with transportation objectives
 - Strengthening regional/subregional partnerships, collaborations and funding models
 - Establishing regional/subregional vision as basis for future funding

Based on these broader objectives, the Southern California REAP program aims to align investment in housing planning and production with the RHNA allocation while building subregional capacity to coordinate these goals. The emphasis on subregional partnerships is integral to this program area of REAP funding. While other programs provide technical assistance directly to local jurisdictions and other stakeholders, this program relies on subregional partnerships to encourage a cross-jurisdiction approach to the housing crisis while considering local needs and opportunities. This subregional partnership approach creates a means for local efforts to align with SCAG's regional plans and implement the broader goals of the Connect SoCal Plan.

Section 2

Background

The REAP is one of two one-time planning programs enacted with the State 2019-20 Budget Act. The LEAP (Local Early Action Program) program is a formula grant program cities and counties are eligible for based on population size.¹ Councils of government (COGs) such as SCAG are eligible for REAP program awards of planning funds of fixed amounts for planning activities that will accelerate housing production and facilitate compliance in implementing a jurisdiction's 6th cycle Regional Housing Needs Assessment (RHNA).

The REAP program authorizes subregional partnerships and encourages inter-governmental collaboration on projects that have a broader regional impact on housing. SCAG is eligible to administer \$47 million in REAP funding for activities to support local governments and stakeholders in housing planning.

On October 3, 2019, the SCAG Regional Council reviewed a Housing Program Framework that provided a general outline for REAP funding as part of its agenda. The Framework outlined several key goals for REAP funding, including:

- *Align resources with allocation methodology for the 6th Cycle of RHNA to support local jurisdictions in addressing identified housing needs*
- *Advance Connect SoCal sustainable development goals including supporting local jurisdictions in promoting housing in priority growth areas to increase access to jobs and transit and reduce environmental impacts*
- *Maximize funding allocations by providing technical assistance and capacity building necessary to support local agencies in applying for and expending program resources*
- *Direct resources toward programs and activities that complement and increase the competitiveness of the SCAG region for other funding programs, including by increasing the number of jurisdictions that are designated by HCD as "pro-housing", as specified in AB 101, qualifying them to receive additional points in the scoring of program applications*

SCAG intends to administer the REAP funds through a combination of direct technical assistance, including housing element data components and policy assessments, subregional partnerships, community-based partnership grants in collaboration with philanthropic organizations, and planning support offered through the Sustainable Communities Program to local jurisdictions or entities serving single or multiple jurisdictions.

Of the \$47 million SCAG is eligible for, up to 50 percent of this amount will be allocated, or approximately \$23 million, to fund subregional partnership projects. Qualifying projects will be authorized by SCAG subsequent to a consultation and application process. Funds are available on a reimbursement basis, requiring completed contractual deliverables. For the most part, approved projects and activities will be reimbursed directly by SCAG. Expenditure reimbursement requires prior authorization of the eligible projects and activities and SCAG may be subject to repayment of REAP funds to HCD if it is found in breach of its agreement with HCD, which can occur if REAP funds are used for ineligible activities.

¹ As of this writing LEAP applications are due January 31, 2021 and will not be available for applications after that date.

The planning activities are required to accommodate the development of housing and supportive infrastructure that will accelerate housing production in a way that aligns with state planning priorities, housing, transportation, equity, and climate goals and regional priorities.

Section 3

3a. Eligible Applicants/ Sub-Allocation Methodology

Eligible applicants for Subregional Partnership Program funding are limited to agencies designated as subregions under this program. While most of SCAG's fifteen defined subregional entities are considered as subregions for this program, several jurisdictions have membership in more than one subregion. Additionally, several jurisdictions geographically span more than one subregion. To address these unique circumstances, the designated subregions and thus eligible program applicants are:

Coachella Valley Association of Governments	Orange County COG (Council of Governments)
Gateway Cities COG	San Bernardino COG
Imperial County Transportation Commission	San Fernando Valley COG
Las Virgenes-Malibu COG	San Gabriel Valley COG
City of Los Angeles	South Bay Cities COG
County of Los Angeles (unincorporated)	Ventura COG
County of Riverside (unincorporated)	Westside Cities COG
North Los Angeles County	Western Riverside COG

Except for the entities listed above, funding will not be made available directly to local jurisdictions for this program. A full list of subregional assignment by jurisdiction for this program is included in attachment 3.

The applicant will be required to assemble a portfolio of proposed projects and also identify the implementing agencies of the proposed projects. Applicants are not required to serve as the implementers of the proposed projects.

Based on the Regional Council action of March 5, 2020, approximately \$23,736,000 of REAP funds available to SCAG can support local partnerships implementing eligible activities, leveraging SB 2 Planning Grants and local LEAP funds where appropriate. The amount of funding allocated to each subregional applicant will be determined by the subregion's total share of regional housing need, as determined by the RHNA allocation scheduled for adoption in early 2021.

Funding for each subregional partner is non-competitive and will be based on the adopted final RHNA allocation. While the final RHNA allocation will not be available until early 2021, the estimated amount of funding available to each subregion based on the estimated RHNA allocation from the RHNA methodology, which was adopted by the SCAG Regional Council in March 2020 (see attachment 3). The amounts in the table are subject to change based on the completion of the RHNA process, which includes the release of the Draft RHNA allocation in September 2020 and the RHNA appeals process, which will occur in Fall 2020. To ensure that Subregional Program projects are sufficient to augment LEAP and SB 2 activities, the minimum amount per subregional partner will be set to \$100,000.

If a jurisdiction elects not to participate with its suggested subregional partner (see attachment 3), the funding allocation for that jurisdiction, based on their final RHNA allocation, will be subtracted from the total amount available to the subregional partner. Funding will not be provided directly to individual jurisdictions. Remaining funds due to the non-participation of a jurisdiction with a subregional partner, a

lack of submittal of an application or Intent to Apply for Program Funding by September 30, 2020, or unencumbered by a subregion after the December 1, 2020 application deadline will be used to fund other REAP programs by SCAG.

A list of each subregional partner’s estimated sub-allocation from this program is included in attachment 3.

Subregional partners may elect to partner with other subregional partners for projects and activities that cross subregional boundaries. Applicants that are considering this are encouraged to discuss their proposals with SCAG prior to submitting an application to ensure that projects are eligible and that the work can be completed prior to the end of the expenditure period.

3b. Eligible Recipients

In preparing an application, eligible applicants may identify additional partners as eligible recipients to administer one or more elements of the subregional program. Funding recipients can be different than the subregional applicants. Subregional partnerships should include projects benefiting multiple jurisdictions within each subregion and can contractually include administrative and additional participating entities eligible for Partnership Agreements. Partnership agreements may be used with one or more local governments or other forms of government, or other entities where the project will be a planning document designed to have a direct effect on housing-related land-use or development within the participating localities. This includes, but is not limited to, partnerships with other local governments, regional governments, housing authorities, school districts, special districts, community-based organizations, or any duly constituted governing body of an Indian Reservation or Rancheria. Applicants forming partnerships must submit a legally binding agreement between the partners. Such partnerships are encouraged where funds can be aggregated or leveraged for more cost-efficient use and benefit addressing inter-jurisdictional common needs.

3c. Eligible uses and activities

Projects funded by the Subregional Partnership Program must be used for housing planning activities and must create a net-positive effect on housing supply. In alignment with the HCD-issued REAP notice of funding availability (NOFA):

1. Projects must be housing planning and processes and associated environmental certification activities, which can include, for example, general plan element updates triggered by housing element update or housing program design but excludes planning for individual development projects or their operational costs. Climate Action Plans, Environmental Impact Reports (EIR), and other related documents are considered indirect planning activities and to qualify, must demonstrate a clear nexus to housing plans that are designed to result in housing production. All deliverables, including EIRs (Environmental Impact Reports), must be completed by the end of the project period, or June 30, 2023.
2. Activities with components such as housing preservation or anti-displacement strategies must be in conjunction with incentivizing new housing development or other programs that result in a net-positive effect on housing supply.

3. Projects should align with State and regional planning priorities, housing, transportation, equity, and climate goals. The key policies of Connect SoCal constitute SCAG’s regional planning priorities (see attachment 2)
4. Projects and activities must have a clear and demonstrable completed deliverable, such as an adopted housing planning document, adoption of a policy or program, or housing units produced or permits processed. While feasibility studies and other types of housing-related analysis can be components of eligible projects, there must be an expected outcome or result, such as an adopted inclusionary zoning ordinance, specific plan, or other regulatory document.

Potential housing planning projects proposed under the Subregional Partnership program can include, but are not limited to:

- Technical Assistance via temporary staffing for local government process(es)
- Other Technical Assistance improving housing permitting and planning
- General plan element(s) updates (including housing elements)
- Local Coastal Plan amendments
- New or amended zoning ordinances (including rezoning)
- Development of policies promoting ADUs (Accessory Dwelling Units) or other innovative building strategies
- Development of objective design & development standards supporting by-right development
- Infrastructure Planning supporting additional housing
- Affordable housing preservation programs in conjunction with promoting new housing construction
- Development of pre-approved architectural & site plans
- Planning document promoting development of publicly owned land for housing, including Surplus property
- Fee reduction strategies
- Data collection on permit tracking, feasibility studies, site analysis, or other background studies ancillary that will result in an adopted policy, plan, or program to accelerate housing production
- Feasibility studies supporting efficient housing siting
- Other Pro-housing activities,
- Establishing a new regional or countywide housing trust fund for affordable housing: an adopted strategy for the legal development and operational plan for a new housing trust fund supporting affordable housing development with services to be available at least countywide; or an adopted financing or operational plan or policy guidelines for a housing trust fund which has been legally established for two years or less. The implementation period for either plan should be within the housing element update cycle.
- A Financial Incentive Plan for Affordable Housing Development – an adopted set of policies and procedures and implementation strategy for deploying existing financial resources, or targeting and securing new financial resources supporting provision of housing affordable to low or moderate income households; to be implemented within the housing element update cycle; can be an activity related to a countywide or regional housing trust fund

Projects eligible for funding under this Program must result in a deliverable, such as a policy or program, that will help to accelerate housing production. All projects must be planning documents demonstrating

a nexus to accelerating housing production; projects for developing planning documents addressing other statutory objectives, e.g., preservation, attaining affordability, should describe how the project will also support accelerating housing production. For example, a project focused on developing the required “affirmatively furthering fair housing” (AFFH) provisions of housing element updates should describe how the project deliverable will support implementation of new affordable housing in areas of opportunity, including the relationship to the sites inventory of the element.

Eligibility of a project in the published REAP NOFA does not automatically mean the application will be accepted by SCAG. To apply for project funding, the applicant will be required to demonstrate a specific deliverable or adopted program designed to result in the acceleration of housing production.

- *Indirect activities:* Some proposed activities and projects may be indirectly related to housing production. Climate Action Plans, environmental impact reports (EIR), supporting infrastructure plans, and other related activities are considered indirect to housing production. Such projects must demonstrate a strong nexus to housing production.
- *Staffing activities:* Temporary staff support to manage and implement eligible activities is an eligible activity provided incurred from additional staffing must involve work on eligible activities. Costs incurred by existing staff must clearly delineate and differentiate work that is funded by existing sources and is limited to work on REAP-eligible activities. Interim activity deliverables should include record logs of communication by the temporary staff with key individuals and groups and meeting notes. Final deliverables from this activity should be the completed eligible planning document or a component of the planning document that the temporary staff was specified to develop.

Consultants or other external resources may be used for work on eligible activities, but are not required. Applicants should indicate in their program applications whether they intend to use consultants or other resources for each activity.

3d. Ineligible Activities

- Activities unrelated to accelerating housing production
- Activities unrelated to preparation and adoption of planning documents, and process improvements to accelerate housing
- Activities that obstruct or hinder housing production, e.g., moratoriums, downzoning, planning documents with conditional use permits that significantly impact approval certainty and timing, planned development, or other similarly constraining processes;
- Capital financing, operation or funding related to programs of individual housing development projects; and
- Administrative costs of persons employed by the grantee for activities not directly related to the preparation and adoption of the proposed Activity or Activities;

SCAG will not accept applications for, nor reimburse for, ineligible activities or projects. Expenditure reimbursement requires prior authorization from SCAG of the eligible projects and activities and SCAG

may be subject to repayment of REAP funds to HCD if it is found in breach of its agreement with HCD, which can occur if REAP funds are used for ineligible activities.

Section 4

4a. Application

To apply for project funding, subregional partners will be required to submit a Subregional Partnership Program application (attachment 1). The application will require information on proposed projects and activities, key tasks and deliverables, estimated costs, and identification of the implementing agency for each project and activity. It will also require details regarding the projects' nexus to housing production, alignment with SCAG regional priorities, status of LEAP applications for local jurisdictions, and progress toward housing element implementation. Prior to submittal to SCAG, applicants must receive approval or authorization by the applicant's decision-making body or authorized signatory under their regular decision-making body protocols on the portfolio of projects. Applications will be reviewed by SCAG staff on an ongoing basis and will be assessed on activity eligibility, nexus to housing production, alignment with REAP program objectives and SCAG regional priorities², status of LEAP applications for local jurisdictions, and progress toward housing element implementation.

The first filing date for applications is September 17, 2020 and all applications must be submitted to SCAG by December 1, 2020. Projects that do not meet the assessment criteria cannot be funded under this program, however the subregional partner may revise their project scope to meet these criteria and resubmit their application. SCAG staff intends to evaluate applications with a decision made within 30 days of receipt.

Additionally, subregional partners must submit an Intent to Apply for Program Funding by September 30, 2020 if they do not submit an application by that date. If neither an application nor Intent to Apply for Program Funding is submitted to SCAG by this date, SCAG will reallocate the subregion's program allocation to other REAP programs. The Intent to Apply shall list proposed projects, cost estimates and intended start and end dates, which agency will procure and administer the projects, and a planned application submittal date. This form does not require approval from the subregional partner's decisionmaking body for submission to SCAG.

Information from the final program application submitted by the subregional partner may differ from the information submitted in the Intent to Apply. Applicants who submit the Intent to Apply must meet with SCAG staff on a monthly basis to review proposed project eligibility and receive feedback from SCAG until they submit a program application. The Intent to Apply for Program Funding is attached to these guidelines as Attachment 4.

4b. Assessment Criteria

To further the objectives of REAP, SCAG will be evaluating submitted projects using the following assessment criteria:

- Prioritization of eligible activities
- Nexus to accelerating housing production

² Per the published February 27, 2020 REAP NOFA, "Suballocation of moneys directly and equitably to jurisdictions or other subregional entities in the form of grants for planning that will accommodate the development of housing and infrastructure that will accelerate housing production in a way that aligns with state planning priorities, housing, transportation, equity, and climate goals."

- Alignment with SCAG regional priorities

Prioritization of eligible activities

Activities proposed for funding must qualify as an eligible activity for REAP funding as described by the published REAP NOFA and the corresponding section of these guidelines. SCAG encourages applicants to evaluate the priorities of local jurisdictions, particularly in three main areas: (1) Housing element update preparation; (2) Temporary staffing for housing element preparation and other eligible activities, and; (3) Activities related to accessory dwelling units to prepare and implement housing elements. Projects and activities that align with these three main areas are highly encouraged, particularly in subregions where resources to achieve them is limited.

Nexus to accelerating housing production

Projects and activities that are outside of these areas will be further evaluated on their nexus to housing production and alignment with SCAG regional priorities. All REAP activities must accelerate housing production by demonstrating an outcome that achieves this. Examples of outcomes include the adoption of policies or plans that remove barriers to housing production or increase residential capacity, an increase in affordable housing units to existing housing stock, and measured time saved from streamlining a development process. Submitted projects must clearly describe expected outcomes that will result in accelerating housing production. As part of the evaluation process, SCAG will evaluate the project's expected outcome and feasibility in achieving these goals.

Alignment with SCAG regional priorities

To coordinate SCAG's regional planning goals with REAP objectives, applicants will be required to describe how the specified project or activity aligns and advances the priorities of the adopted Connect SoCal Plan. A full list of Connect SoCal Plan and SCAG Housing Program objectives is attached to these guidelines.

Applications for ineligible activities or projects or that do not meet the above criteria will not be accepted. However, applicants may resubmit applications for previously reviewed projects to address feedback from SCAG. Applications will be accepted on an ongoing basis until the December 1, 2020 deadline.

Section 5

5a. Implementing Agencies

Eligible applicants are not required to serve as the implementing agency of the program projects and activities for which it has applied for funding. Applicants may elect to serve as the implementing agency but agencies such as local housing authorities may also serve as an implementing agency. Implementing agencies must be entities eligible to enter into intergovernmental agreements, and must demonstrate capacity to implement government grant administration tasks in a timely manner, including applications, contract execution and monitoring, funds management and transfer, and accounting and reporting, including any competitive sub-contracting if applicable. The implementing agency cannot have any unresolved audit findings from prior government contracts and cannot be party to pending land use, housing, or environmental litigation which could impact the proposed activities.

The implementing agency will be responsible for developing the scope of work for the project or activity and leading the procurement process for obtaining consultants and/or resources. The implementing agency may also elect to manage and administer the project, which includes tasks such as monitoring activity progress, reviewing tasks and deliverables, and reviewing and processing invoices. If the implementing agency does not elect to manage and administer the project, SCAG will take on this implementation role.

5b. Administrative fee

Up to five percent (5%) of a subregional partner's allocation may be charged as administrative activities by the subregional partner. Tasks such as reviewing project invoices, processing project invoices, and preparing reports and metrics of project progress and completion are considered administrative activities. Activities such as developing scopes of work and requests for proposals (RFP), reviewing tasks and deliverables, and outreach with jurisdictions related to the project are considered programmatic and can be charged as a program activity. For projects and activities administered by SCAG, SCAG reserves the right to use the 5% administrative fee for costs related to project administration.

5c. Expenditure period

Per the requirements of AB 101, all funds distributed under REAP must be expended by December 31, 2023. In order to meet this deadline and receive reimbursement in alignment with REAP guidelines, SCAG will require that all invoices associated with the Subregional Partnership Program be submitted to SCAG no later than June 30, 2023. Invoices received by SCAG after this date cannot be guaranteed for reimbursement by SCAG.

Phase 1 Funding

For the first phase of the program, a maximum of \$200,000 will be available for each subregional partner until an agreement for the remainder of REAP funds from HCD is signed by SCAG, after which the remaining allocated amount will be available for subregional projects. An exception will be made for the City of Los Angeles. With its estimated RHNA share more than doubling any of the other subregion, it is eligible to receive \$400,000 during the first phase for projects. Subregional partners that have an estimated allocation smaller than \$200,000 will have their full allocation made available during the initial application period.

Due to the limited amount of funding available for subregional projects at the time of the filing start date in September 2020, applicants will be requested to prioritize projects for funding in their respective applications. It is encouraged to prioritize projects and activities that are intended to prepare or assist in the preparation of housing elements due to the October 2021 statutory deadline for housing element adoption.

Projects that will span through Phase 2 may start as individual tasks under Phase 1 funding. Phase 1 funding may also cover simultaneous tasks from multiple projects provided that the initial Phase 1 funding threshold is not exceeded.

Phase 2 Funding

The remainder of Subregional Partnership Program funds outside of Phase 1 funding will be made available for projects and activities after SCAG receives funding for its full REAP application from HCD, which will most likely occur in February or March 2021. Subregional partners may submit multiple applications through the final due date for eligible projects and activities until they have reached their estimated allocation threshold based on the draft RHNA allocation. Awards outside of the initial Phase 1 amount are conditional until the final RHNA allocation is adopted and an agreement is signed with HCD for the remaining REAP funding. All applications for project funding are due to SCAG by December 1, 2020. Remaining funds due to the non-participation of a jurisdiction with a subregional partner or unencumbered by a subregion after the application deadline will be used to fund other REAP programs by SCAG. Agreements for project funding between SCAG and the subregional partner will be amended if the RHNA allocation results change between the estimated RHNA allocation and the final adopted RHNA allocation.

Applicants may combine projects and activities into one application if they identify which projects will be funded under Phase 1 and Phase 2. SCAG will prioritize evaluation of Phase 1 projects though they may also approve Phase 2 projects with the condition of funding availability. Costs incurred for a Phase 2 project prior to a signed agreement between HCD and SCAG for full REAP funding may not be eligible for reimbursement. If the subregional partner starts work for Phase 2 projects prior to a signed agreement with SCAG, it does not necessarily exclude them from future reimbursement, but the subregional partner will be at risk for non-reimbursement for the pre-agreement work.

For Phase 1 and Phase 2 projects, SCAG will provide an award letter to subregional partners to indicate that submitted projects have been approved for funding. Awards outside of the initial Phase 1 amount will be conditional pending funding availability and a signed agreement between SCAG and the subregional partner.

5d. Reimbursement

All projects must submit invoices to SCAG on a monthly basis to receive reimbursement. Invoices must follow the requirements set forth in the Subregional Partnership contract and SCAG's regular invoicing procedures. SCAG may consider advance payments or alternative arrangements to reimbursement and payment methods based on demonstrated need of the subregional partner. These arrangements will be included in the agreements between SCAG and the subregional partner. After the agreement is signed, the subregional partner or consultant may submit invoices for reimbursement for eligible activities as specified in the signed agreement. Expenditure reimbursement requires prior authorization of the eligible

projects and activities and SCAG may be subject to repayment of REAP funds to HCD if it is found in breach of its agreement with HCD, which can occur if REAP funds are used for ineligible activities.

SCAG will provide reimbursement only for costs as specified in the signed agreement(s) with the subregional partner. Costs incurred prior to the September 3, 2020 Regional Council approval of the Subregional Partnership Program guidelines will not be reimbursed. For costs incurred in between the guidelines approval and before an agreement for Phase 1 projects is signed between SCAG and the subregional partner, SCAG will only reimburse costs specifically associated with program development, such as preparation of the program application, development of guidelines and other related documents, and development of scopes of work and contracts. Subregional partners are encouraged to discuss with SCAG planned costs during this time in order to ensure that activities receive appropriate reimbursement.

Section 6

6a. Reporting Requirements

Consistent with SCAG’s Overall Work Program reporting procedures, each subregional partner will be required to provide a quarterly progress report to track and measure activity progress. Project progress will be measured according to the tasks, deliverables, costs, and timeline outlined in the subregional partnership agreement.

6b. Metrics

All REAP activities must be designed to have a net-positive effect on housing supply. The applications and final invoice submitted to SCAG must include proposed metrics and a short description of how the funded activities have had an impact on housing supply and/or accelerated housing production within the subregional area. Quantitative metrics can include a summary of building permits, certificates of occupancy, or other completed entitlements issued by jurisdictions within the subregion, a summary of zoning ordinances that have been updated or streamlined and their effect, and/or the average decrease in time for the issuance of residential permits. For projects that include feasibility studies as a component, quantitative metrics can include increased capacity, or number of units that can be feasibly built with the implemented plan. Metrics are not limited to this list and may be customized according to the specific activity.

Section 7

7a. Technical assistance

SCAG will provide technical assistance to subregional partners starting in Fall 2020 through June 2023. Technical assistance will be available to help subregional partners prioritize activities and augment or compliment the planned LEAP activities and complete the application and contracting process. After the start of subregional partnership projects, SCAG will also retain an external consultant to assist jurisdictions on an on-call basis to link projects to ongoing SB 2 and LEAP projects, along with assisting with invoicing and reporting. All technical assistance will be coordinated with the technical assistance provided by HCD for SB 2 and LEAP grants.

7b. Timeline

- June 9 and 17, 2020: Subregional partner listening sessions
- June 2020: Survey conducted with subregions on project administration capacity and needs
- July-August 2020: SCAG staff held consultation meetings with subregional partners to follow up on submitted surveys and eligible activities.
- September 3, 2020: Regional Council adoption of Subregional Partnership Program guidelines
- September 17, 2020: Application for REAP Subregional Partnership Program with prioritized projects from subregions due to SCAG
- September 30, 2020: For those who have not submitted applications, the intent to apply for REAP Program funding due to SCAG
- October/November 2020: Initial subregional partnership agreements completed; start of subregional partnership projects
- December 1, 2020: Final application and list of prioritized projects from subregions due to SCAG by this date
- February 4, 2021: Adoption of final RHNA allocation
- October 15, 2021: Housing elements due to HCD
- June 30, 2023: All REAP projects and activities must be completed; final activity reports due to SCAG; final project invoices due to SCAG

List of Attachments

- (1) REAP Subregional Partnership Program Application
- (2) SCAG Regional Planning Priorities and Housing Program Framework and Objectives
- (3) List of Subregional Partners and Jurisdictions
- (4) Intent to Apply for Program Funding form

Attachment 1: Application

Regional Early Action Planning (REAP) Grant Subregional Partnership Program

Application for Project and Activity Funding

Program Objectives

The Regional Early Action Program (REAP) Subregional Partnership Program is intended to help accelerate housing production throughout the SCAG region and have a net-positive effect on housing supply by increasing housing planning, meeting the sixth cycle regional housing needs assessment (RHNA). The Subregional Partnership program has been designed to augment and complement funds that are awarded to jurisdictions by the California Department of Housing and Community Development (HCD) pursuant to SB (Senate Bill) 2 Planning Grants and the Local Early Action Program (LEAP).

Approximately \$23 million is available to fund subregional partnership projects. The REAP funds are available on a reimbursement basis, requiring completed contractual deliverables.

The planning activities are to accommodate the development of housing and infrastructure that will accelerate housing production in a way that aligns with state planning priorities, housing, transportation, equity, and climate goals and regional priorities.

Please refer to the Subregional Partnership Program guidelines for more information about this program, along with requirements for project funding, applicants, and other important information.

Questions about REAP and the Subregional Partnership Program can be submitted to Ma’Ayn Johnson, Housing Program Manager, at johnson@scag.ca.gov.

Application

All subregional partners requesting project or activity funding must submit a program application. Applications may be filed starting September 17, 2020. All applications are due to SCAG no later than December 1, 2020. Subregional partners may submit more than one application for different projects and activities during this time period.

Applications should be submitted to: Ma’Ayn Johnson, Housing Program Manager, at johnson@scag.ca.gov.

Regional Early Action Planning (REAP) Grant Subregional Partnership Program

Application for Project and Activity Funding

Date	
Applicant (subregional partner)	
Authorized representative name	
Authorized representative title	
Authorized representative address	
Contact person name	
Contact person title	
Contact person email	

Projects and Activities

Please list the projects and activities the applicant is requesting funding for and how much funding will be required for Phase 1 and Phase 2 REAP funding:

	Project/Activity Name	Phase 1 funding	Phase 2 funding
1			
2			
3			
4			
5			
6			

Total funding amount requested in this application	\$
--	----

Individual Project/Activity Information

Using the list of projects/activities in the above section, please provide more information about each one listed. Use additional pages if needed. Use the numbering from the list of projects and activities from the first page in the application.

1	(from first page of application)
---	----------------------------------

Estimated cost	
Expected start date	
Expected end date	
Does this project require the procurement of at least one consultant?	<input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> total number of consultant firms expected for projects
Agency expected to procure consultant	<input type="checkbox"/> subregional partner <input type="checkbox"/> SCAG <input type="checkbox"/> Other, please specify:
Agency expected to administer or implement project or activity*	<input type="checkbox"/> subregional partner <input type="checkbox"/> SCAG <input type="checkbox"/> Other, please specify:
Which agency will be directly paying consultant invoices?	<input type="checkbox"/> subregional partner (SCAG will reimburse the subregional partner) <input type="checkbox"/> SCAG
Does this project require adoption or approval by a local decisionmaking body for implementation?	<input type="checkbox"/> no <input type="checkbox"/> yes If yes, please specify the expected adoption/approval date: _____

*The implementing agency cannot have any unresolved audit findings from prior government contracts and cannot be party to pending land use, housing, or environmental litigation which could impact the proposed activities.

For each project and activity listed, please provide more details about the project or activity, including:

- Brief Description of project Key deliverables and tasks, proposed performance indicators
- Nexus to housing production and why the task necessary for the adoption or implementation of the listed eligible activities for any tasks that are considered indirect to housing production (e.g., EIRs or General Plan amendments)
- Expected outcome of project or activity (i.e., plans for adoption or implementation)
- Related Tasks that will be funded from other funding sources besides REAP (e.g., LEAP, SB 2) and the amount

1 | *(from first page of application)*

Alignment with SCAG Connect SoCal regional priorities (refer to Program Guidelines and attachment)

Please describe below how the project or activity aligns and advances Connect SoCal and Housing Program regional priorities and framework

DRAFT

Attachment: Draft Application and Intent to Apply Form (Subregional Partnership Program Guidelines)

1 (from first page of application)

Project/Activity Tasks

Task and sub-tasks	Staff/Consultant/Both	Estimated cost	Phase 1 or 2	Begin date	End date	Deliverable
Total projected cost		\$				

Housing element progress

Subregional partners must demonstrate jurisdictional progress toward housing element preparation before projects and activities that are not directly related to housing element preparation can be funded. In the section below, please list the jurisdictions your subregional area covers, planned SB 2 and LEAP activities (if any), and housing element progress. If a LEAP grant has not yet been awarded, please also indicate in the table. The rubric below can be used to indicate housing element progress: Use additional space if needed.

- A. *The jurisdiction has either consultant or dedicated staff resources for their housing element updates, with all updates underway; no additional REAP support is proposed.*
- B. *The jurisdiction has either consultant or dedicated staff resources for their housing element updates. A REAP support project for housing element updates is proposed by our subregion.*
- C. *The jurisdiction has neither consultant nor dedicated staff resources for their housing element updates. A REAP support project for housing element updates by our subregion is NOT proposed. This jurisdiction will need technical assistance resources for their housing element update.*
- D. *Our subregion is unaware of the status of housing element updates for this jurisdiction*

Jurisdiction	SB 2 or LEAP (Local Early Action Program) Tasks re: Housing Element	Housing element progress (A. , B., C. or D.)

Attachment 2: Intent to Apply for Program Funding Form

All Subregional Partners must submit an application or Intent to Apply for Program Funding form by September 30, 2020. Subregional partners that do not submit a Subregional Partnership Program application or Intent to Apply for Program Funding form by this date will not receive funding for subregional projects. Funding allocated for subregional partners that do not submit either an an application or Intent to Apply form by the deadline will be used by SCAG for other REAP programs. The Intent to Apply form does not require approval from the subregional partner’s decisionmaking body for submission to SCAG.

The final application submitted by the subregional partner may differ from the information listed in Intent to Apply form. Applicants that submit an Intent to Apply form must meet with SCAG staff on a monthly basis to review proposed project eligibility and receive feedback from SCAG until they submit a program application. The subregional partner is still required to submit an application by December 1, 2020. Funds unencumbered by a subregional partner after this date will be used by SCAG for other REAP programs.

Please submit this application no later than September 30, 2020 to Ma’Ayn Johnson, Housing Program Manager, at johnson@scag.ca.gov.

Date	
Applicant (subregional partner)	
Contact person name	
Contact person title	
Contact person email	
Planned date of application submittal to SCAG for Phase 1 projects	
Planned date of application submittal to SCAG for Phase 2 projects	
Who would you like to procure the consultant or resources for your projects?	<input type="checkbox"/> Subregional partner (applicant) <input type="checkbox"/> SCAG
Who would you like to manage the projects, including handling of reimbursable invoices?	<input type="checkbox"/> Subregional partner (applicant) <input type="checkbox"/> SCAG

Projects and Activities

Please list the projects and activities the applicant is proposing for funding for and whether the project or activity is planned for Phase 1 and Phase 2 REAP funding:

	Project/Activity Name	Estimated Cost	Phase 1 funding	Phase 2 funding
1				
2				
3				
4				
5				
6				

Attachment 3: Alignment with Regional Planning Priorities

To coordinate SCAG's regional planning goals with REAP objectives, SCAG will evaluate a project's alignment with regional priorities from the adopted Connect SoCal Plan and SCAG Housing Program objectives as identified in a report to the Regional Council at their October 3, 2019 meeting. REAP Subregional Partnership applications will be required to describe how the specified project or activity aligns with these priorities, strategies, and objectives.

Priorities and Strategies in the Connect SoCal Plan

The adopted Connect SoCal Plan lists several priorities and strategies specifically relating to land use, housing, sustainability, and social equity:

Focus Growth Near Destinations & Mobility Options

- Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations
- Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets
- Plan for growth near transit investments and support implementation of first/last mile strategies
- Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses
- Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods
- Identify ways to "right size" parking requirements and promote alternative parking strategies (e.g. shared parking or smart parking)

Promote Diverse Housing Choices

- Preserve and rehabilitate affordable housing and prevent displacement
- Identify funding opportunities for new workforce and affordable housing development
- Create incentives and reduce regulatory barriers for building context sensitive accessory dwelling units to increase housing supply
- Provide support to local jurisdictions to streamline and lessen barriers to housing development that supports reduction of greenhouse gas emissions

Support Implementation of Sustainability Policies

- Pursue funding opportunities to support local sustainable development implementation projects that reduce greenhouse gas emissions
- Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations
- Support local jurisdictions in the establishment of Enhanced Infrastructure Financing Districts (EIFDs), Community Revitalization and Investment Authorities (CRIAs), or other tax increment or value capture tools to finance sustainable infrastructure and development projects, including parks and open space
- Work with local jurisdictions/communities to identify opportunities and assess barriers to implement sustainability strategies
- Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region
- Continue to support long range planning efforts by local jurisdictions
- Provide educational opportunities to local decisions makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy

Objectives of the Housing Program Framework

At the October 3, 2019 Regional Council meeting, concepts for a Housing Program Framework were included as part of the agenda. These objectives were developed based on preliminary discussions with policy members and stakeholders and are intended not only for REAP activities, but also to guide a broader SCAG Housing Program:

- Align resources with allocation methodology for the 6th Cycle of RHNA to support local jurisdictions in addressing identified housing needs
- Advance Connect SoCal sustainable development goals including supporting local jurisdictions in promoting housing in priority growth areas to increase access to jobs and transit and reduce environmental impacts
- Maximize funding allocations by providing technical assistance and capacity building necessary to support local agencies in applying for and expending program resources
- Direct resources toward programs and activities that complement and increase the competitiveness of the SCAG region for other funding programs, including by increasing the number of jurisdiction that are designated by HCD as “pro-housing”, as specified in AB 101, qualifying them to receive additional points in the scoring of program applications for housing and infrastructure programs pursuant to guidelines adopted by HCD.
- Build longer term capacity at SCAG and in the region to address housing issues, including by:
 - Facilitating compliance with state housing law
 - Defining a sustainable role for SCAG that marries housing with transportation objectives
 - Strengthening regional/sub-regional partnerships, collaborations and funding models
 - Establishing regional/subregional vision as basis for future funding

Other objectives

Other SCAG programs also include similar housing, land use, sustainability, and social equity objectives. In an effort to coordinate strategies and objectives, the Sustainable Communities Program (SCP), which will include a focus area for housing-related project grants in an upcoming call for projects, outlines several key goals, including:

- Provide needed planning resources to local jurisdictions for active transportation and multimodal planning efforts, sustainability, land use, and planning for affordable housing;
- Promote, address and ensure health and equity in regional land use and transportation planning and to close the gap of racial injustice and better serve our communities of color;
- Encourage regional planning strategies to reduce motorized Vehicle Miles Traveled (VMT) and greenhouse gas (GHG) emissions, particularly in environmental justice communities where there is the highest need for air quality improvements;
- Develop local plans that support the implementation of key strategies and goals outlined in Connect SoCal and the Sustainable Communities Strategy;

Evaluation of Subregional Partnership Program Applications

All projects and activities funded by the Subregional Partnership Program will need to identify how they align with SCAG program priorities, strategies, and objectives. Applicants for the Subregional Partnership Program are encouraged to discuss with SCAG their proposed projects prior to submitting an application to discuss ways to align their projects with the priorities of SCAG’s regional planning efforts. Since funded projects will be considered as an implementation tool of

SCAG's regional plans, it is expected that program projects and activities support -- and not undermine -- the Connect SoCal Plan.

Attachment 4: Subregional Partnership Program Sub-allocation and List of Subregional Partners and Jurisdictions

Subregion	Estimated percentage of Sub-allocation*	Estimated Sub-allocation*
Coachella Valley Association of Governments (CVAG)	2.4%	\$558,000
Gateway Cities Council of Governments (GCCOG)	5.5%	\$1,316,000
Imperial County jurisdictions (ICTC)	1.2%	\$282,000
Las Virgenes-Malibu Council of Governments	0.4%**	\$100,000**
City of Los Angeles	34.0%	\$8,058,000
County of Los Angeles (unincorporated)	6.7%	\$1,589,000
County of Riverside (unincorporated)	3.0%	\$721,000
North Los Angeles County	1.2%	\$276,000
Orange County Council of Governments (OCCOG)	13.7%	\$3,245,000
San Bernardino Council of Governments (SBCOG)	10.3%	\$2,437,000
San Fernando Valley Council of Governments (SFVCOG)	2.5%	\$600,000
San Gabriel Valley Council of Governments (SGVCOG)	6.7%	\$1,582,000
South Bay Cities Council of Governments (SBCCOG)	2.5%	\$603,000
Ventura Council of Governments (VCOG)	1.8%	\$432,000
Westside Cities Council of Governments (WCCOG)	1.4%	\$340,000
Western Riverside Council of Governments (WRCOG)	7.1%	\$1,678,000
Total	100.0%	\$23,819,000

*The estimated amount is derived from the estimated draft RHNA allocation based on the RHNA methodology adopted in March 2020. This amount is subject to change and will not be final until the adoption of the Final RHNA allocation in early 2021.

**The amount originally allocated for this subregional partner based on the estimated RHNA allocation was lower than the minimum threshold amount.

Subregional Partners and Jurisdictions

Subregional Partner	Jurisdiction
CVAG	Blythe city
CVAG	Cathedral City city
CVAG	Coachella city
CVAG	Desert Hot Springs city
CVAG	Indian Wells city
CVAG	Indio city
CVAG	La Quinta city
CVAG	Palm Desert city
CVAG	Palm Springs city
CVAG	Rancho Mirage city

Gateway	Artesia city
Gateway	Avalon city
Gateway	Bell city
Gateway	Bell Gardens city
Gateway	Bellflower city
Gateway	Cerritos city
Gateway	Commerce city
Gateway	Compton city
Gateway	Cudahy city
Gateway	Downey city
Gateway	Hawaiian Gardens city
Gateway	Huntington Park city
Gateway	La Habra Heights city
Gateway	La Mirada city
Gateway	Lakewood city
Gateway	Long Beach city
Gateway	Lynwood city
Gateway	Maywood city
Gateway	Norwalk city
Gateway	Paramount city
Gateway	Pico Rivera city
Gateway	Santa Fe Springs city
Gateway	Signal Hill city
Gateway	South Gate city
Gateway	Vernon city
Gateway	Whittier city
Imperial	Brawley city
Imperial	Calexico city
Imperial	Calipatria city
Imperial	El Centro city
Imperial	Holtville city
Imperial	Imperial city
Imperial	Unincorporated Imperial Co.
Imperial	Westmorland city
Las Virgenes Malibu	Agoura Hills city
Las Virgenes Malibu	Calabasas city
Las Virgenes Malibu	Hidden Hills city
Las Virgenes Malibu	Malibu city

Las Virgenes Malibu	Westlake Village city
Los Angeles City	Los Angeles city
Los Angeles County	Unincorporated Los Angeles Co.
North LA County	Lancaster city
North LA County	Palmdale city
OCCOG	Aliso Viejo city
OCCOG	Anaheim city
OCCOG	Brea city
OCCOG	Buena Park city
OCCOG	Costa Mesa city
OCCOG	Cypress city
OCCOG	Dana Point city
OCCOG	Fountain Valley city
OCCOG	Fullerton city
OCCOG	Garden Grove city
OCCOG	Huntington Beach city
OCCOG	Irvine city
OCCOG	La Habra city
OCCOG	La Palma city
OCCOG	Laguna Beach city
OCCOG	Laguna Hills city
OCCOG	Laguna Niguel city
OCCOG	Laguna Woods city
OCCOG	Lake Forest city
OCCOG	Los Alamitos city
OCCOG	Mission Viejo city
OCCOG	Newport Beach city
OCCOG	Orange city
OCCOG	Placentia city
OCCOG	Rancho Santa Margarita city
OCCOG	San Clemente city
OCCOG	San Juan Capistrano city
OCCOG	Santa Ana city
OCCOG	Seal Beach city
OCCOG	Stanton city
OCCOG	Tustin city
OCCOG	Unincorporated Orange Co.

OCCOG	Villa Park city
OCCOG	Westminster city
OCCOG	Yorba Linda city
Riverside County	Unincorporated Riverside Co.
SBCTA/SBCOG	Adelanto city
SBCTA/SBCOG	Apple Valley town
SBCTA/SBCOG	Barstow city
SBCTA/SBCOG	Big Bear Lake city
SBCTA/SBCOG	Chino city
SBCTA/SBCOG	Chino Hills city
SBCTA/SBCOG	Colton city
SBCTA/SBCOG	Fontana city
SBCTA/SBCOG	Grand Terrace city
SBCTA/SBCOG	Hesperia city
SBCTA/SBCOG	Highland city
SBCTA/SBCOG	Loma Linda city
SBCTA/SBCOG	Montclair city
SBCTA/SBCOG	Needles city
SBCTA/SBCOG	Ontario city
SBCTA/SBCOG	Rancho Cucamonga city
SBCTA/SBCOG	Redlands city
SBCTA/SBCOG	Rialto city
SBCTA/SBCOG	San Bernardino city
SBCTA/SBCOG	Twentynine Palms city
SBCTA/SBCOG	Unincorporated San Bernardino Co.
SBCTA/SBCOG	Upland city
SBCTA/SBCOG	Victorville city
SBCTA/SBCOG	Yucaipa city
SBCTA/SBCOG	Yucca Valley town
SFVCOG	Burbank city
SFVCOG	Glendale city
SFVCOG	San Fernando city
SFVCOG	Santa Clarita city
SGVCOG	Alhambra city
SGVCOG	Arcadia city
SGVCOG	Azusa city

SGVCOG	Baldwin Park city
SGVCOG	Bradbury city
SGVCOG	Claremont city
SGVCOG	Covina city
SGVCOG	Diamond Bar city
SGVCOG	Duarte city
SGVCOG	El Monte city
SGVCOG	Glendora city
SGVCOG	Industry city
SGVCOG	Irwindale city
SGVCOG	La Cañada Flintridge city
SGVCOG	La Puente city
SGVCOG	La Verne city
SGVCOG	Monrovia city
SGVCOG	Montebello city
SGVCOG	Monterey Park city
SGVCOG	Pasadena city
SGVCOG	Pomona city
SGVCOG	Rosemead city
SGVCOG	San Dimas city
SGVCOG	San Gabriel city
SGVCOG	San Marino city
SGVCOG	Sierra Madre city
SGVCOG	South El Monte city
SGVCOG	South Pasadena city
SGVCOG	Temple City city
SGVCOG	Walnut city
SGVCOG	West Covina city
South Bay Cities	Carson city
South Bay Cities	El Segundo city
South Bay Cities	Gardena city
South Bay Cities	Hawthorne city
South Bay Cities	Hermosa Beach city
South Bay Cities	Inglewood city
South Bay Cities	Lawndale city
South Bay Cities	Lomita city
South Bay Cities	Manhattan Beach city
South Bay Cities	Palos Verdes Estates city
South Bay Cities	Rancho Palos Verdes city
South Bay Cities	Redondo Beach city

South Bay Cities	Rolling Hills city
South Bay Cities	Rolling Hills Estates city
South Bay Cities	Torrance city
Ventura	Camarillo city
Ventura	Fillmore city
Ventura	Moorpark city
Ventura	Ojai city
Ventura	Oxnard city
Ventura	Port Hueneme city
Ventura	San Buenaventura (Ventura) city
Ventura	Santa Paula city
Ventura	Simi Valley city
Ventura	Thousand Oaks city
Ventura	Unincorporated Ventura Co.
Westside Cities	Beverly Hills city
Westside Cities	Culver City city
Westside Cities	Santa Monica city
Westside Cities	West Hollywood city
WRCOG	Banning city
WRCOG	Beaumont city
WRCOG	Calimesa city
WRCOG	Canyon Lake city
WRCOG	Corona city
WRCOG	Eastvale City
WRCOG	Hemet city
WRCOG	Jurupa Valley City
WRCOG	Lake Elsinore city
WRCOG	Menifee city
WRCOG	Moreno Valley city
WRCOG	Murrieta city
WRCOG	Norco city
WRCOG	Perris city
WRCOG	Riverside city
WRCOG	San Jacinto city
WRCOG	Temecula city
WRCOG	Wildomar city

REAP Subregional Partnership Program

Ma'Ayn Johnson, AICP
Housing Program Manager
September 3, 2020



Regional Early Action Planning (REAP) Grant



- SCAG can apply for up to \$47M in REAP grants
- Guidance from Housing Program Framework reviewed by CEHD and Regional Council October 2019
- Technical assistance, preparation, and adoption of planning documents and process improvements to accelerate housing production and facilitate compliance in implementing the sixth cycle of the RHNA
- Various activities:
 - SCS Integration
 - Housing Policy Solutions (including technical assistance)
 - Partnerships and Outreach

REAP Subregional Partnership Program



- \$23M set aside for Subregional Partnership Program
- Intended to augment local activities from SB 2 and LEAP
- Funds must be used for housing planning and accelerating housing production



REAP Subregional Partnership Program



- Subregional allocations based on final RHNA allocation
- Subregion may elect to procure own consultant and administer projects or request SCAG serve in this role
- Project reimbursement basis

Eligible Applicants and Available Funding

Subregional Partner	Estimated Sub-allocation
CVAG	\$558,000
Gateway Cities COG	\$1,316,000
Imperial County jurisdictions (ICTC)	\$282,000
Las Virgenes-Malibu COG	\$100,000
City of Los Angeles	\$8,058,000
County of Los Angeles (unincorporated)	\$1,589,000
County of Riverside (unincorporated)	\$721,000
North Los Angeles County	\$276,000
OCCOG	\$3,245,000
SBCOG	\$2,437,000
SFVCOG	\$600,000
SGVCOG	\$1,582,000
South Bay Cities COG	\$603,000
VCOG	\$432,000
Westside Cities COG	\$340,000
WRCOG	\$1,678,000
Total	\$23,819,000

Eligible Activities Include:

- 6th cycle housing element preparation
- Temporary staffing for housing-related activities
- Streamlining residential permitting process
- Accessory dwelling unit (ADU) capacity analysis and policies
- Fee reduction strategies
- General Plan updates to support housing element adoption
- Zoning ordinances and rezoning
- Establish regional housing trust fund
 - Strategy and operation plans
- Financial incentive plan for affordable housing development



Ineligible Activities



- Capital financing, operation or funding related to programs of individual housing development projects
- Activities unrelated to accelerating housing production
- Activities unrelated to preparation and adoption of planning documents, and process improvements to accelerate housing
- Activities that obstruct or hinder housing production, e.g., moratoriums, downzoning

Application Process and Assessment Criteria



- First date to file applications: September 17
- Applications will be reviewed by SCAG staff based on adopted guidelines
- Assessment criteria:
 - *Prioritization of eligible activities*
 - *Nexus to accelerating housing production*
 - *Alignment with SCAG regional priorities*
- Subregions must file an application or Intent to Apply by September 30; Final applications due December 1
- Unencumbered funds will be used for other REAP programs

Project Funding



Phase I

- Funding available for activities and tasks up to \$200,000 for most
- Can start as soon as agreement is signed
- Prioritize housing element-related projects

Phase II

- Remainder of subregional allocation
- Funding available in late February/Early March 2021
- All applications due December 1, 2020

Expense Period and Reimbursement











- All projects must be completed and funds expended by June 30, 2023
- Reimbursement of invoices for costs incurred after September 3, 2020
- Invoices must be submitted monthly



Subregional Partnership Program Timeline



-  June 2020: Listening sessions with subregions
-  June-Aug 2020: Informal consultation with subregional partners
-  Sept 3, 2020: Program Guideline adoption
-  Sept 17, 2020: First filing date for applications
-  Sept 30, 2020: Must file an application or Intent to Apply
-  Dec 1, 2020: All applications due
-  Feb 4, 2021: Final RHNA adoption
-  Oct 2021: Housing elements due to HCD

For more information

www.scag.ca.gov

Email: housing@scag.ca.gov





Southern California Association of Governments
Remote Participation Only
September 3, 2020

NO. 623
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS
REGIONAL COUNCIL
MINUTES OF THE MEETING
THURSDAY, JULY 2, 2020

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE REGIONAL COUNCIL. A VIDEO RECORDING OF THE ACTUAL MEETING IS AVAILABLE ON THE SCAG WEBSITE AT: <http://scag.iqm2.com/Citizens/>

The Regional Council of the Southern California Association of Governments (SCAG) held its meeting telephonically and electronically, given public health directives limiting public gatherings due to the threat of COVID-19 and in compliance with the Governor’s Executive Order N-29-20. A quorum was present.

Members Present

Hon. Rex Richardson, President	Long Beach	District 29
Hon. Clint Lorimore, 1st Vice President	Eastvale	District 4
Hon. Jan Harnik, 2nd Vice President		RCTC
Hon. Bill Jahn, Imm. Past President	Big Bear Lake	District 11
Supervisor Luis Plancarte		Imperial County
Supervisor Don Wagner		Orange County
Supervisor Karen Spiegel		Riverside County
Supervisor Linda Parks		Ventura County
Hon. James Predmore		ICTC
Hon. Miguel Pulido		OCTA
Hon. Alan D. Wapner		SBCTA
Hon. Peggy Huang		TCA
Hon. Ben Benoit		Air District Representative
Hon. Cheryl Viegas-Walker	El Centro	District 1
Hon. Kathleen Kelly	Palm Desert	District 2
Hon. Rey Santos	Beaumont	District 3
Hon. Zak Schwank	Temecula	District 5
Hon. Frank Navarro	Colton	District 6
Hon. Larry McCallon	Highland	District 7
Hon. Deborah Robertson	Rialto	District 8

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous

Members Present - continued

Hon. L. Dennis Michael	<i>Rancho Cucamonga</i>	District 9
Hon. Ray Marquez	<i>Chino Hills</i>	District 10
Hon. Fred Minagar	<i>Laguna Niguel</i>	District 12
Hon. Wendy Bucknum	<i>Mission Viejo</i>	District 13
Hon. Michael Carroll	<i>Irvine</i>	District 14
Hon. Steve Nagel	<i>Fountain Valley</i>	District 15
Hon. Phil Bacerra	<i>Santa Ana</i>	District 16
Hon. Charles Puckett	<i>Tustin</i>	District 17
Hon. Kim Nguyen	<i>Garden Grove</i>	District 18
Hon. Trevor O'Neil	<i>Anaheim</i>	District 19
Hon. Dean Grose	<i>Los Alamitos</i>	District 20
Hon. Art Brown	<i>Buena Park</i>	District 21
Hon. Marty Simonoff	<i>Brea</i>	District 22
Hon. Frank Yokoyama	<i>Cerritos</i>	District 23
Hon. Ray Hamada	<i>Bellflower</i>	District 24
Hon. Sean Ashton	<i>Downey</i>	District 25
Hon. José Luis Solache	<i>Lynwood</i>	District 26
Hon. Ali Saleh	<i>Bell</i>	District 27
Hon. Mark E. Henderson	<i>Gardena</i>	District 28
Hon. Jeannine Pearce	<i>Long Beach</i>	District 30
Hon. Steve De Ruse	<i>La Mirada</i>	District 31
Hon. Steven Ly	<i>Rosemead</i>	District 32
Hon. Jorge Marquez	<i>Covina</i>	District 33
Hon. Jack Hadjinian	<i>Montebello</i>	District 34
Hon. Margaret E. Finlay	<i>Duarte</i>	District 35
Hon. Tim Sandoval	<i>Pomona</i>	District 38
Hon. James Gazeley	<i>Lomita</i>	District 39
Hon. Meghan Sahli-Wells	<i>Culver City</i>	District 41
Hon. Paula Devine	<i>Glendale</i>	District 42
Hon. Steven Hofbauer	<i>Palmdale</i>	District 43
Hon. David Shapiro	<i>Calabasas</i>	District 44
Hon. Carmen Ramirez	<i>Oxnard</i>	District 45
Hon. David Pollock	<i>Moorpark</i>	District 46
Hon. Tim Holmgren	<i>Fillmore</i>	District 47
Hon. Joe Buscaino	<i>Los Angeles</i>	District 62
Hon. Steve Manos	<i>Lake Elsinore</i>	District 63
Hon. Lyn Semeta	<i>Huntington Beach</i>	District 64



Members Present - continued

Hon. Megan Beaman Jacinto	<i>Coachella</i>	District 66
Hon. Hector Pacheco	<i>San Fernando</i>	District 67
Hon. Rusty Bailey	<i>Riverside</i>	District 68
Mr. Randall Lewis	<i>Business Representative</i>	Ex-Officio Member

Members Not Present

Supervisor Kathryn Barger		Los Angeles County
Supervisor Hilda Solis		Los Angeles County
Supervisor Curt Hagman		San Bernardino County
Hon. Mike T. Judge		VCTC
Hon. Andrew Masiel, Sr.	<i>Pechanga Dev. Corp.</i>	Tribal Gov't Reg'l Planning Brd.
Hon. Jonathan Curtis	<i>La Cañada Flintridge</i>	District 36
Hon. Steve Tye	<i>Diamond Bar</i>	District 37
Hon. Drew Boyles	<i>El Segundo</i>	District 40
Hon. Gilbert Cedillo	<i>Los Angeles</i>	District 48
Hon. Paul Krekorian	<i>Los Angeles</i>	District 49/Public Transit Rep.
Hon. Bob Blumenfield	<i>Los Angeles</i>	District 50
Hon. David Ryu	<i>Los Angeles</i>	District 51
Hon. Paul Koretz	<i>Los Angeles</i>	District 52
Hon. Nury Martinez	<i>Los Angeles</i>	District 53
Hon. Monica Rodriguez	<i>Los Angeles</i>	District 54
Hon. Marqueece Harris-Dawson	<i>Los Angeles</i>	District 55
Hon. Curren D. Price, Jr.	<i>Los Angeles</i>	District 56
Hon. Herb Wesson, Jr.	<i>Los Angeles</i>	District 57
Hon. Mike Bonin	<i>Los Angeles</i>	District 58
Hon. John Lee	<i>Los Angeles</i>	District 59
Hon. Mitch O'Farrell	<i>Los Angeles</i>	District 60
Hon. Rita Ramirez	<i>Victorville</i>	District 65
Hon. Marisela Magana	<i>Perris</i>	District 69
Hon. Eric Garcetti	<i>Los Angeles</i>	Member-at-Large

Staff Present

Kome Ajise, Executive Director
Darin Chidsey, Chief Operating Officer
Debbie Dillon, Chief Strategy Officer
Justine Block, Acting Chief Counsel/Director of Legal Services
Ruben Duran, Board Counsel

Art Yoon, Director of Policy and Public Affairs
Sarah Jepson, Director of Planning
Basil Panas, Chief Financial Officer
Julie Loats, Chief Information Officer
Peter Waggoner, Office of Regional Council Support
Tess Rey-Chaput, Office of Regional Council Support

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

President Richardson called the meeting to order at 1:00 p.m. and asked First Vice President Clint Lorimore to lead the Pledge of Allegiance.

PUBLIC COMMENT PERIOD

President Richardson opened the Public Comment Period. President Richardson outlined instructions for public comments and announced that comments received before the 5 p.m. deadline on Wednesday, July 1 have been posted to SCAG's website and were transmitted to members.

Board Counsel Ruben Duran stated that there were comments received after the deadline. Mr. Duran read two comments received after the deadline into record.

The first comment was received from Henry Fung, resident, regarding the importance of involving disadvantaged communities in the planning process.

The second comment was received from Richard Lambros, Southern California Leadership Council, regarding collaboration between the business community and SCAG staff to resolve issues and ensure the best possible Sustainable Communities Strategy (SCS).

Staff confirmed that there were no other public comment speakers, and President Richardson closed the Public Comment Period.

REVIEW AND PRIORITIZE AGENDA ITEMS

There were no requests to prioritize agenda items.

ACTION ITEMS

1. Presentation on Racial and Social Justice and SCAG's Policy Statement

President Richardson introduced guest speaker Michael Lens, UCLA Luskin School of Public Affairs,

to provide a presentation on building racial equity, particularly in terms of housing. Professor Lens began by outlining the housing and homelessness crises in California, sharing statistics and explaining that homelessness disproportionately impacts people of color. He provided background on the history of segregation and redlining. He explained that segregation patterns persist due to land use regulations with exclusionary outcomes, and he elaborated on the byproducts of segregation. He exhibited a chart of homeownership rates by racial/ethnic group, demonstrating that black households are less likely to own their own homes or live in single-family homes. He stated that the failure to build new homes produces higher rents, leading to higher rent burdens, particularly for Black households.

Professor Lens described gentrification and its strong impact in Southern California, stating that Southern California is the only region where more residents live in areas that have experienced low-income displacement than low-income concentration. In hand, Los Angeles County lost over 120,000 Black residents from 1980 to 2014.

Professor Lens then outlined methods to counter the aforementioned issues. First, he recommended legalizing mid-sized multi-family housing in more places throughout cities and suburban areas. However, he stated that zoning reform alone is insufficient; subsidies and renter protection are also needed. He also posed that SCAG can implement an aggressive Affirmatively Furthering Fair Housing (AFFH) policy through RHNA. He shared “An Anti-Racist Agenda for State and Local Housing Agencies” from the Poverty and Race Research Action Council. He closed by asking for reflection on actions undertaken in past periods of unrest to avoid repeating past mistakes, and he encouraged embracing diversity.

President Richardson provided remarks on SCAG’s role in addressing and confronting issues of racial equity.

Regional Councilmember Jorge Marquez, Covina, District 33, commented on disparities in housing and education based on race, and he affirmed SCAG’s duty to focus on inclusive planning and equity issues.

Regional Councilmember Steven Hofbauer, Palmdale, District 43, commented on the diversity of Antelope Valley and asked if there were relevant reports to this area specifically. Professor Lens clarified that information prepared for this meeting was limited by time and extent.

Regional Councilmember Carmen Ramirez, Oxnard, District 45, commented on disparities in housing within Oxnard, which disproportionately impact farm workers. She spoke in favor of Resolution No. 20-623-2.

Regional Councilmember Meghan Sahli-Wells, Culver City, District 41, commented on systemic racially discriminatory policies within Culver City and the region. She mentioned the work of the

Government Alliance for Race and Equity (GARE) as a resource for interested individuals.

Regional Councilmember Steven Manos, Lake Elsinore, District 63, commented on CEQA and its potential interface with race. To address racial inequity, he recommended reforming government-sponsored entities that handle mortgages and reducing limitations on developers.

Regional Councilmember Megan Beaman Jacinto, Coachella, District 66, commented in favor of considering the racial impact of policies not on intention but based on data provided by experts. She underlined the importance of jurisdictions working together in zoning and planning, as each city's decisions have impacts on residents in other cities.

Regional Councilmember Hector Pacheco, San Fernando, District 67, commented on Professor Lens' recommendation of legalizing multi-family housing in cities and suburbs, and he asked for examples of successful precedents for educational purposes. Professor Lens stated that there are limited examples of upzoning, but there are many instances of successful multi-family developments.

Regional Councilmember Trevor O'Neil, Anaheim, District 19, commented with concern about the Regional Council acting on the item as it is presented, considering SCAG's purview. He expressed disagreement with language, implications and availability of the Resolution No. 20-623-2.

Regional Councilmember Tim Holmgren, Fillmore, District 47, commented in agreement with Regional Councilmembers Manos and O'Neil. He stated that regulations and increases in density imposed undermine local control and may negatively affect populations that they are intended.

Regional Councilmember Jeannine Peace, Long Beach, District 30, commented that data should be used to determine whether systems are racist, and she provided statistics illustrating structural racism in certain land use policies. She discussed actions taken in Long Beach to address inequity, and she expressed support for Resolution No. 20-623-2.

Regional Councilmember José Luis Solache, Lynwood, District 26, made a comment which was inaudible due to connection issues.

Regional Councilmember Kim Nguyen, Garden Grove, District 18, thanked President Richardson for his championship of new initiatives and leadership within SCAG. She recounted her personal experience as a renter and explained barriers to home ownership faced by disadvantaged communities.

Supervisor Linda Parks, Ventura County, commented on SCAG's role as a planning agency and advocated for the analysis, discussion and pursuit of more equitable neighborhoods using SCAG's resources.

Regional Councilmember Margaret Finlay, Duarte, District 35, commented on Southern California's diversity and thanked President Richardson for his leadership in addressing equity issues at SCAG.

A MOTION was made (Sandoval) to adopt Resolution No. 20-623-2. Motion was SECONDED (Beaman Jacinto).

Board Counsel Ruben Duran clarified that, in accordance with the Brown Act, Resolution No. 20-623-2 was posted publicly and provided to Regional Councilmembers.

President Richardson expressed appreciation for the level of respect demonstrated by members in the discussion.

Regional Councilmember Frank Navarro, Colton, District 6, noted that he cannot locate a copy of Resolution No. 20-623-2. Board Counsel Ruben Duran specified the location.

Regional Councilmember Wendy Bucknum, Mission Viejo, District 13, commented on the importance of giving the public sufficient time to review relevant documents, and she expressed concern about the language of Resolution No. 20-623-2.

Regional Councilmember Cheryl Viegas-Walker, El Centro, District 1, commented that the report and Resolution No. 20-623-2 were distributed by email. Board Counsel Ruben Duran specified the location of the posting on SCAG's website.

The motion passed by the following roll call votes:

FOR: ASHTON, BAILEY, BEAMAN JACINTO, BENOIT, BROWN, BUCKNUM, BUSCAINO, DE RUSE, DEVINE, FINLAY, GAZELEY, GROSE, HAMADA, HARNIK, HENDERSON, HOFBAUER, HUANG, JAHN, KELLY, LORIMORE, J. MARQUEZ, R. MARQUEZ, MICHAEL, MINAGAR, NGUYEN, PACHECO, PARKS, PEARCE, PLANCARTE, PUCKETT, C. RAMIREZ, RICHARDSON, ROBERTSON, SAHLI-WELLS, SALEH, SANDOVAL, SANTOS, SCHWANK, SEMETA, SHAPIRO, SIMONOFF, SOLACHE, VIEGAS-WALKER, WAPNER and YOKOYAMA (45)

AGAINST: HOLMGREN, LY, MANOS, MCCALLON, NAGEL, NAVARRO and O'NEIL (7)

ABSTAIN: NONE (0)

2. Call for Collaboration Partnership Program

President Richardson recognized Ben Winter of the California Community Foundation and briefly introduced the program.

Executive Director Kome Ajise provided a report on the Call for Collaboration Partnership Program. Mr. Ajise stated that the purpose of the program is to extend beyond traditional planning tools and impact communities that are usually underserved. To accomplish this, SCAG will involve community-based organizations (CBOs) to engage a wider range of stakeholders. SCAG will set aside \$1 million, matched one-for-one by donations from non-profit and private sectors, bringing communities into discussions on housing and furthering equity, justice and economic recovery.

A MOTION was made (Jahn) to adopt approve Resolution No. 20-623-1, to authorize the Executive Director or his designee to enter into an agreement with the California Community Foundation that would provide grant funding for the Call for Collaboration program. Motion was SECONDED (J. Marquez). The motion passed by the following votes:

FOR: ASHTON, BAILEY, BEAMAN JACINTO, BENOIT, BROWN, BUCKNUM, BUSCAINO, DE RUSE, DEVINE, FINLAY, GAZELEY, GROSE, HAMADA, HARNIK, HENDERSON, HOFBAUER, HOLMGREN, HUANG, JAHN, KELLY, LORIMORE, LY, MANOS, J. MARQUEZ, R. MARQUEZ, MCCALLON, MICHAEL, MINAGAR, NAGEL, NAVARRO, NGUYEN, PARKS, PEARCE, PLANCARTE, PUCKETT, C. RAMIREZ, RICHARDSON, ROBERTSON, SAHLI-WELLS, SALEH, SANDOVAL, SANTOS, SCHWANK, SEMETA, SHAPIRO, SIMONOFF, VIEGAS-WALKER, WAGNER, WAPNER and YOKOYAMA (50)

AGAINST: NONE (0)

ABSTAIN: HUANG and O'NEIL (2)

3. 2020 SCAG Scholarship Program

President Richardson introduced Scholarship Committee Chair Cheryl Viegas-Walker to provide background on the program. Chair Viegas-Walker stated that the program began in 2009 for students throughout the region who are interested in studying urban planning and related fields. The scholarship consists of a \$4,000 award and a two-week internship. In 2020, 93 applications were received. Chair Viegas-Walker described the review process and recognized Scholarship Committee Members. Chair Viegas-Walker directed Regional Councilmembers to their agenda packets, which lists the slate of recommended recipients.

A MOTION was made (Viegas-Walker) to approve Scholarship Committee recommendations for the 2020 SCAG Scholarship Program. Motion was SECONDED (R. Marquez). The motion passed by the following votes:

FOR: ASHTON, BAILEY, BEAMAN JACINTO, BENOIT, BUCKNUM, BUSCAINO, DEVINE, FINLAY, GAZELEY, GROSE, HAMADA, HARNIK, HENDERSON, HOFBAUER, HOLMGREN, JAHN, KELLY, LORIMORE, LY, MANOS, J. MARQUEZ, R. MARQUEZ, MCCALLON, MICHAEL, MINAGAR, NAGEL, NAVARRO, NGUYEN, PARKS, PEARCE, PLANCARTE, PUCKETT, C. RAMIREZ, RICHARDSON, ROBERTSON, SAHLI-WELLS, SALEH, SANDOVAL, SANTOS, SCHWANK, SEMETA, SHAPIRO, SIMONOFF, SOLACHE, VIEGAS-WALKER, WAGNER, WAPNER and YOKOYAMA (48)

AGAINST: NONE (0)

ABSTAIN: NONE (0)

Regional Councilmember Margaret Finlay, Duarte, District 35, commented on the application of one recipient whose application and personal triumph was particularly moving.

DISCUSSION ITEM

4. Connect SoCal Update

President Richardson opened public comment for Agenda Item No. 4.

Board Counsel Ruben Duran stated that there are public comment speakers who would like to address the Regional Council.

Andrew Henderson, Building Industry Association of Southern California, commented on the 120-day delay of Connect SoCal and the continued need to identify and quantify differences between the Sustainable Communities Strategy (SCS) and locally-approved general plans. He expressed concern about SCAG staff's use of Local Input, and he commented on Transportation Analysis Zone (TAZ)-level figures provided by SCAG staff.

President Richardson and Executive Director Kome Ajise introduced Sarah Jepson, Director of Planning, to provide an update on Connect SoCal. Ms. Jepson announced that presentations have been made to Policy Committees earlier in the day, and a full report is included in the agenda packet. In May 2020, the Regional Council adopted Connect SoCal for federal conformity purposes only, ensuring that the transportation and infrastructure projects included in the plan remain eligible for federal funding. Ms. Jepson announced that SCAG has received confirmation from the federal government that Connect SoCal has met their provisions as defined under the Clean Air Act. In May 2020, the Regional Council also voted to postpone full adoption of Connect SoCal for up-to 120 days in order to provide time for staff to consider short- and long-term implications of COVID-

19 and to work with local authorities in identifying and restoring locally-approved entitlements.

Ms. Jepson reiterated that a report on outreach and analysis completed is included in the agenda packet. The findings confirm that policies, data and goals underlying the plan are sound. Ms. Jepson continued by explaining that SCAG staff has engaged with local jurisdictions to ensure that growth from entitlements and general plan capacities are properly reflected in modeling data. During this recent review period, 12 jurisdictions submitted feedback, and six jurisdictions, Los Angeles County, San Bernardino County, Anaheim, Chino, Duarte and Malibu, requested modifications. The model will be re-run to incorporate these changes, and afterwards, SCAG staff will return to Policy Committees and Regional Council for approval. A final plan with technical corrections is intended to be presented at the following meeting of the Regional Council. Ms. Jepson outlined additional next steps for the plan, including submission to the California Air Resources Board for review. Ms. Jepson stated that plan adoption will allow the Regional Housing Needs Assessment (RHNA) to move forward, as underlying data in the plan is used in RHNA Methodology. In closing, Ms. Jepson spoke to the Connect SoCal Implementation Plan, and she emphasized that Connect SoCal is a living document.

President Richardson thanked Ms. Jepson for her presentation and reviewed discussions that have occurred since May 2020.

Regional Councilmember Meghan Sahli-Wells, Culver City, District 41, acknowledged outreach accomplished by SCAG staff during the ongoing pandemic. She expressed concern about the timeline for Connect SoCal adoption and its impact on cities' ability to adopt Housing Elements, and she urged timely action given the housing crisis affecting the region. Ms. Jepson acknowledged the urgency and noted tools and resources being provided to support cities with their Housing Elements prior to formal adoption of the plan. Mr. Ajise spoke about the timeline for Connect SoCal adoption and RHNA allocation.

Regional Councilmember Wendy Bucknum, Mission Viejo, District 13, thanked SCAG staff for their work on the update. She commented on Local Input and greenhouse gas reduction goals.

CONSENT CALENDAR

Approval Items

5. Minutes of the Meeting - May 7, 2020
 6. Contracts \$200,000 or Greater: 20-049-C01, Security Guard Services
 7. Contract Amendment Greater Than 30% of the Contract's Original Value: Contract 19-007-C01,
-

Transit Asset Management Target Setting

8. SCAG Memberships and Sponsorships

Receive and File

9. SCAG Request for Delay for Local Housing Element Updates

10. Highlights of the 31st Annual Demographic Workshop

11. Green Region Initiative - Sustainability Map Update

12. July State and Federal Legislative Update 13. Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 - \$74,999

A MOTION was made (Jahn) to approve the Consent Calendar, Agenda Item Nos. 5-12. Motion was SECONDED (Ashton). The motion passed by the following votes:

FOR: ASHTON, BAILEY, BEAMAN JACINTO, BENOIT, BUCKNUM, BUSCAINO, DEVINE, GAZELEY, GROSE, HAMADA, HARNIK, HOFBAUER, HOLMGREN, HUANG, JAHN, KELLY, LORIMORE, LY, MANOS, J. MARQUEZ, R. MARQUEZ, MCCALLON, MICHAEL, MINAGAR, NAGEL, PEARCE, PLANCARTE, PUCKETT, C. RAMIREZ, RICHARDSON, ROBERTSON, SAHLI-WELLS, SALEH, SANDOVAL, SANTOS, SCHWANK, SEMETA, SHAPIRO, SIMONOFF, VIEGAS-WALKER, WAGNER, WAPNER and YOKOYAMA (43)

AGAINST: NONE (0)

ABSTAIN: NONE (0)

PRESIDENT'S REPORT

President Richardson announced that he is approving the appointment of Regional Councilmember Meghan Sahli-Wells, Culver City, District 41, to serve as the Primary Member to the Mobile Source Air Pollution Reduction Review Committee (MSRC). He asked Emerging Technologies Committee (ETC) Members to inform staff if they wish to continue serving.

President Richardson acknowledged Clerk of the Board, Tess Rey-Chaput, and provided remarks regarding her retirement and recognized her dedicated service to SCAG. He presented her with a proclamation outlining her accomplishments. Regional Councilmembers congratulated Ms. Rey-Chaput.

BUSINESS REPORT

Mr. Randall Lewis provided a report detailing COVID-19's impact on real estate, businesses and cities. Mr. Lewis stated that the home market was greatly impacted in March, April and May; however, home sales have been strong near job centers over the past six weeks. He postulated that this is due to low interest rates and work-from-home needs. He noted that, while apartment occupancy is high, rent collection is falling.

In the retail sector, Mr. Lewis explained that grocery stores, home improvement retailers and drive-in dining establishments are performing well. Gymnasiums, movie theaters and restaurant chains are particularly challenged. The industrial market is thriving due to e-commerce.

Mr. Lewis explained that construction and real estate development trends are changing and considering re-designs to address implications of COVID-19 and ongoing needs of work-from-home. He noted that multigenerational living is of increased interest, and he has seen businesses re-designing and rationalizing their operations for efficiency. He remarked that businesses are being conservative with their capital and are keeping their assets liquid.

Mr. Lewis stated that healthcare and life sciences are growing industries, and he predicted that climate change mitigation will be an industry that will experience growth in the future. He provided advice to Regional Councilmembers that, given the size of the region and range of preferences, trends currently predicted may not hold true in all cases. In conclusion, he encouraged Regional Councilmembers to nurture strong businesses in their communities, and he recommended that they work to remove barriers to potential investment in their jurisdictions, as there may be heightened competition over investment dollars.

EXECUTIVE DIRECTOR'S REPORT

There was no Executive Director's Report provided.

FUTURE AGENDA ITEM/S

There were no requests for future agenda items.

ANNOUNCEMENT/S

President Richardson announced that the next meeting of the Regional Council will be in September 2020.



ADJOURNMENT

President Richardson adjourned the Regional Council meeting at 3:18 p.m.

Respectfully submitted by:
Peter Waggoner
Clerk to the Regional Council

[MINUTES ARE UNOFFICIAL UNTIL APPROVED BY THE REGIONAL COUNCIL]



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Regional Council (RC)
From: Darin Chidsey, Chief Operating Officer, Executive Management, (213) 236-1836, Chidsey@scag.ca.gov
Subject: Approval for Additional Stipend Payments

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve additional stipend payments, pursuant to Regional Council Policy Manual, Article VIII, Section B(4) [adopted June 2019], as requested by Regional Councilmember Alan Wapner and 2019-20 First Vice President Rex Richardson.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 7: Secure funding to support agency priorities to effectively and efficiently deliver work products.

EXECUTIVE SUMMARY:

Pursuant to the Regional Council Stipend Policy, staff is seeking approval for additional stipend payments for Regional Councilmember Alan Wapner, San Bernardino County Transportation Authority (SBCTA); and 2019-20 First Vice President Rex Richardson, Long Beach, District 29.

BACKGROUND:

In accordance with the Regional Council Policy Manual, Article VIII, Section B(4) [adopted June 2019], *“Representatives of Regional Council Members may receive up to six (6) Stipends per month and the SCAG President may authorize two (2) additional Stipends in a single month on a case-by-case basis. SCAG’s First Vice President, Second Vice President and Immediate Past President may receive up to nine (9) Stipends per month. SCAG’s President may receive up to twelve (12) Stipends per month. Approval by the Regional Council is required for payment of any Stipends in excess of the limits identified herein.”*

For the month of June 2020, Regional Councilmember Alan Wapner, SBCTA, attended the following for SCAG which will count towards his 9th, 10th and 11th stipend requests:

No.	Meeting Date	Meeting Name
9 th	June 18	Demographic Workshop – Second Session
10 th	June 22	Connect SoCal
11 th	June 24	COVID Town Hall Meeting

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

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OUR CORE VALUES

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For the month of May 2020, 2019-20 First Vice President Rex Richardson, Long Beach, RC District 29, attended the following for SCAG which will count towards his 10th, 11th and 12th stipend requests:

No.	Meeting Date	Meeting Name
10 th	May 20	Check-In Meeting with Kome Ajise and Darin Chidsey
11 th	May 27	Check-In Meeting with Kome Ajise and Darin Chidsey
12 th	May 29	Executive/Administration Committee Closed Session

FISCAL IMPACT:

Funds for stipends are included in the General Fund Budget (800-0160.01: Regional Council).



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Resolution No. 20-624-2 Approving Amendment 2 to the FY
2020-21 Overall Work Program (OWP)

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Adopt Resolution No. 20-624-2, approving Amendment 2 to the FY 2020-21 (FY21) Overall Work Program (OWP) and authorize the Executive Director, or his designee, to submit the necessary documentation to the California Department of Transportation (Caltrans).

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 7: Secure funding to support agency priorities to effectively and efficiently deliver work products.

EXECUTIVE SUMMARY:

Staff recommends that the Regional Council (RC) approve a second amendment to the FY21 OWP in the amount of \$248,220, increasing the budget from \$89.2 million to \$89.5 million. Amendment 2 is a formal amendment that includes: adding a new grant for the Interstate-710 North Mobility Hubs Plan under the FY21 Caltrans Sustainable Transportation Planning Grant Program; and reprogramming FY21 SB-1 Formula Grants for the Sustainable Communities Program and reducing Transportation Development Act (TDA) funds.

BACKGROUND:

On May 7, 2020 the RC adopted the FY21 Final Comprehensive Budget, which included the FY21 OWP budget in the amount \$88 million. The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) subsequently approved SCAG's FY21 OWP on June 30, 2020. Thereafter, SCAG submitted administrative Amendment 1 to the FY21 OWP to add the various federal and state grant extensions approved by Caltrans for the projects experiencing challenges due to COVID-19. Amendment 1 increased the OWP budget from \$88 million to \$89.2 million.

DISCUSSION:

Staff recommends that the RC approve Amendment 2 to the FY21 OWP in the amount of \$248,220, increasing the budget from \$89.2 million to \$89.5 million.

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Table 1 shows net revenue increases of \$248,220. The complete list of OWP budget changes is included in Attachment 2 of this staff report, below is a summary.

- 1) \$400,000 increase for the Interstate-710 North Mobility Hubs Plan grant awarded to SCAG in June 2020 under the FY21 Caltrans Sustainable Transportation Planning Grant Program in June 2020.
- 2) \$131,219 increase for the FY21 SB-1 Sustainable Communities Formula Grant final allocation to SCAG in June 2020.
- 3) \$338,650 decrease in TDA for consultant work for the Electric Vehicle Study project that is now funded with the FY21 SB-1 Sustainable Communities Formula Grant.
- 4) \$55,651 net increase for the third-party local funds supporting the grants.

OWP REVENUES	Amend#1	Amend#2	Change
FHWA PL	\$ 23,289,431	\$ 23,289,431	\$ -
FTA 5303	\$ 15,764,886	\$ 15,764,886	\$ -
FTA 5304	\$ 630,848	\$ 630,848	\$ -
FHWA SP&R	\$ 1,039,175	\$ 1,439,175	\$ 400,000
FEDERAL OTHER	\$ 774,631	\$ 774,631	\$ -
SB 1 FORMULA GRANT	\$ 14,365,014	\$ 14,496,233	\$ 131,219
SB 1 COMPETITIVE GRANT	\$ 90,301	\$ 90,301	\$ -
SB 1 ADAPTATION GRANT	\$ 212,361	\$ 212,361	\$ -
SHA COMPETITIVE GRANT	\$ 893,635	\$ 893,635	\$ -
STATE OTHER	\$ 18,511,640	\$ 18,511,640	\$ -
TDA	\$ 7,125,277	\$ 6,786,627	\$ (338,650)
CASH/LOCAL OTHER	\$ 2,359,048	\$ 2,455,048	\$ 96,000
IN-KIND COMMITMENTS	\$ 4,177,451	\$ 4,137,102	\$ (40,349)
TOTAL	\$ 89,233,698	\$ 89,481,918	\$ 248,220

Table 2 shows the proposed changes to expenditure categories:

- 1) \$580,000 increase for consultant work related to the FY21 Caltrans Sustainable Transportation Planning Grant Program and the SB-1 Sustainable Communities Formula Grant Program.
- 2) \$40,349 decrease for third party in-kind commitments redirected from labor to non-labor to support the grants.
- 3) \$291,431 decrease for miscellaneous costs redirected from labor to non-labor to support the grants.

OWP EXPENDITURES	Amend#1	Amend#2	Change
SALARIES	\$ 38,632,141	\$ 38,632,141	\$ -
CONSULTANTS *	\$ 41,803,647	\$ 42,383,647	\$ 580,000
LOCAL OTHER	\$ 1,402,499	\$ 1,402,499	\$ -
IN-KIND COMMITMENTS	\$ 4,177,451	\$ 4,137,102	\$ (40,349)
OTHER COSTS	\$ 3,217,960	\$ 2,926,529	\$ (291,431)
TOTAL	\$ 89,233,698	\$ 89,481,918	\$ 248,220

Salary Schedule Update

Included in this budget amendment is an updated salary schedule (Attachment 3) reflecting new classifications and market-based increases to the salary ranges for five positions in the Information Technology division. The proposed salary ranges do not impact existing employees.

FISCAL IMPACT:

Amendment 2 to the FY21 OWP results in an increase of \$248,220, from \$89,233,698 to \$89,481,918. After approval by the RC, the revised budget will be submitted to Caltrans for final approval.

ATTACHMENT(S):

1. Resolution No. 20-624-2
2. List of Budget Changes
3. Salary Schedule Update



RESOLUTION NO. 20-624-2

A RESOLUTION OF THE SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS (SCAG) APPROVING AMENDMENT 2 TO THE FISCAL YEAR 2020-21 OVERALL WORK PROGRAM

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS 900 Wilshire Blvd., Ste. 1700 Los Angeles, CA 90017 T: (213) 236-1800 www.scag.ca.gov

REGIONAL COUNCIL OFFICERS

- President Rex Richardson, Long Beach
First Vice President Clint Lorimore, Eastvale
Second Vice President Jan C. Harnik, Riverside County Transportation Commission
Immediate Past President Bill Jahn, Big Bear Lake

COMMITTEE CHAIRS

- Executive/Administration Rex Richardson, Long Beach
Community, Economic & Human Development Jorge Marquez, Covina
Energy & Environment David Pollock, Moorpark
Transportation Cheryl Viegas-Walker, El Centro

WHEREAS, the Southern California Association of Governments (SCAG) is the Metropolitan Planning Organization, for the six-county region consisting of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial counties pursuant to 23 U.S.C. § 134 et seq. and 49 U.S.C. § 5303 et seq.; and

WHEREAS, SCAG has developed the Fiscal Year (FY) 2020-21 Comprehensive Budget that includes the following budget components: the Overall Work Program (OWP); the FTA Discretionary and Formula Grant Budget; the TDA Capital and Debt Service Budget; the General Fund Budget; the Indirect Cost Budget (ICAP); and the Fringe Benefits Budget; and

WHEREAS, the OWP is the basis for SCAG's annual regional planning activities and budget; and

WHEREAS, in conjunction with the OWP Agreement and Master Fund Transfer Agreement, the OWP constitutes the annual funding contract between the State of California Department of Transportation (Caltrans) and SCAG for the Consolidated Planning Grant (CPG), the Sustainable Transportation Planning Grants, and the Adaptation Planning Grants; and

WHEREAS, SCAG is also eligible to receive other Federal and/or State grant funds and/or local funds for certain regional transportation planning related activities. For such funding upon award, the funds are implemented through the OWP and SCAG and the applicable Federal or State agency shall execute the applicable grant agreement(s); and

WHEREAS, SCAG's Regional Council approved the OWP for FY 2020-21 in May 2020, which was subsequently approved by Caltrans in June 2020. Administrative Amendment 1 to the OWP was approved in July 2020; and

WHEREAS, this Amendment 2 to the FY 2020-21 OWP will result in a budget increase of \$248,220, from \$89.2 million to \$89.5 million; and

WHEREAS, Amendment 2 to the FY 2020-21 OWP, along with its corresponding staff report and this resolution, has been reviewed and discussed by SCAG's Regional Council on September 3, 2020.

NOW, THEREFORE, BE IT RESOLVED, by the Regional Council of the Southern California Association of Governments, that Amendment 2 to the FY 2020-21 OWP is approved and adopted.

Attachment: Resolution No. 20-624-2 (Resolution Approving Amendment 2 to the FY 2020-21 Overall Work Program (OWP))

BE IT FURTHER RESOLVED THAT:

1. The Regional Council hereby authorizes submittal of Amendment 2 to the FY 2020-21 OWP to the participating State and Federal agencies.
2. SCAG pledges to pay or secure in cash or services, or both, the matching funds necessary for financial assistance.
3. The SCAG Executive Director, or in his absence, the Chief Financial Officer, is hereby designated and authorized to execute all related agreements and other documents on behalf of the Regional Council.
4. The SCAG Executive Director, or in his absence, the Chief Financial Officer, is hereby authorized to make and submit to the applicable funding agencies, the necessary work program, and budget modifications to the FY 2020-21 OWP based on actual available funds and to draw funds as necessary on a line of credit or other requisition basis.
5. The SCAG Executive Director, or in his absence, the Chief Financial Officer, is hereby authorized to submit grant applications and execute the applicable grant agreements and any amendments with the applicable Federal or State agency and to implement grant funds through SCAG's OWP, and this includes submittal and execution of the required Overall Work Program Agreement (OWPA) and the Master Fund Transfer Agreement (MFTA) with Caltrans, as part of the Caltrans Sustainable Transportation Planning Grant Programs.
6. The SCAG Executive Director, or in his absence, the Chief Financial Officer, is hereby authorized to make administrative amendments to the FY 2020-21 OWP that do not affect the delivery of regional transportation planning tasks, activities, steps, products, or the funding amounts listed on the OWPA.
7. The SCAG Executive Director, or in his absence, the Chief Financial Officer, is hereby authorized to negotiate and execute subrecipient agreements (e.g., memorandum of understanding) and related documents, on behalf of the Regional Council, involving the expenditure of funds programed under the FY 2020-21 Comprehensive Budget.

PASSED, APPROVED AND ADOPTED by the Regional Council of the Southern California Association of Governments at its regular meeting this 3rd day of September 2020.

Rex Richardson
President, SCAG
Councilmember, City of Long Beach

Attested by:

Kome Ajise
Executive Director

Approved as to Form:

Justine Block
Acting Chief Counsel

FY 2020-21 OWP Amendment 2

List of Budget Changes

Project Task No.	Project Task Name	Category	Budget Change	FTA 5303 TC	TDA	FTA 5304	FHWA SPR	FY18 SB1 Formula	FY19 SB1 Formula	FY20 SB1 Formula	FY21 SB1 Formula	FY18 SB1 Competitive	FY18 SB1 Adaptation	Other Special Grants (OTS, DOE, MSRC, ATP grants)	In-Kind/Cash/Local
065-0137.12	Electric Vehicle (EV) Program Readiness Strategies	Consultant	\$ (400,000)		\$ (400,000)										
145-4885.01	I-710 North Mobility Hubs Plan	Staff	\$ 20,000		\$ 4,000		\$ 16,000								
145-4885.01	I-710 North Mobility Hubs Plan	Consultant	\$ 480,000				\$ 384,000								\$ 96,000
275-4823.06	Sustainable Communities Program - 2018 Call (FY21 SB 1 Formula)	Consultant	\$ 500,000		\$ 57,350						\$ 442,650				
290-4871.01	Connect SoCal Implementation (FY21 SB 1 Formula)	Staff	\$ (351,780)								\$ (311,431)				\$ (40,349)
TOTAL			\$ 248,220	\$ -	\$ (338,650)	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 131,219	\$ -	\$ -	\$ -	\$ 55,651

Attachment: List of Budget Changes (Resolution Approving Amendment 2 to the FY 2020-21 Overall Work

SCAG Salary Schedule

	Classification	Ranges						Time Base
		Minimum	Minimum Hourly	Midpoint	Midpoint Hourly	Maximum	Maximum Hourly	
1	Accountant I	\$62,836.80	\$30.21	\$72,259.20	\$34.74	\$81,660.80	\$39.26	Monthly
2	Accountant II	\$68,473.60	\$32.92	\$78,748.80	\$37.86	\$89,024.00	\$42.80	Monthly
3	Accountant III	\$76,024.00	\$36.55	\$87,422.40	\$42.03	\$98,820.80	\$47.51	Monthly
4	Accounting Systems Analyst	\$84,219.20	\$40.49	\$96,865.60	\$46.57	\$109,512.00	\$52.65	Monthly
5	Accounting Technician	\$45,531.20	\$21.89	\$52,374.40	\$25.18	\$59,196.80	\$28.46	Monthly
6	Administrative Assistant	\$54,184.00	\$26.05	\$62,296.00	\$29.95	\$70,408.00	\$33.85	Hourly
7	Application Developer	\$99,985.60	\$48.07	\$114,982.40	\$55.28	\$129,958.40	\$62.48	Monthly
8	Assistant Analyst to the Ex Director	\$74,796.80	\$35.96	\$86,008.00	\$41.35	\$97,219.20	\$46.74	Monthly
9	Assistant Internal Auditor	\$84,156.80	\$40.46	\$96,782.40	\$46.53	\$109,387.20	\$52.59	Monthly
10	Assistant Regional Planner	\$71,198.40	\$34.23	\$81,910.40	\$39.38	\$92,601.60	\$44.52	Monthly
11	Assistant to the Executive Director	\$120,120.00	\$57.75	\$138,153.60	\$66.42	\$156,187.20	\$75.09	Monthly
12	Associate Accountant	\$49,171.20	\$23.64	\$56,555.20	\$27.19	\$63,939.20	\$30.74	Hourly
13	Associate Analyst to the Ex Director	\$88,836.80	\$42.71	\$102,169.60	\$49.12	\$115,481.60	\$55.52	Monthly
14	Associate Human Resources Analyst	\$62,067.20	\$29.84	\$71,385.60	\$34.32	\$80,683.20	\$38.79	Hourly
15	Associate IT Projects Manager	\$83,033.60	\$39.92	\$95,492.80	\$45.91	\$107,931.20	\$51.89	Monthly
16	Associate Regional Planner	\$83,033.60	\$39.92	\$95,492.80	\$45.91	\$107,931.20	\$51.89	Monthly
17	Budget and Grants Analyst I	\$68,619.20	\$32.99	\$78,936.00	\$37.95	\$89,232.00	\$42.90	Monthly
18	Budget and Grants Analyst II	\$80,496.00	\$38.70	\$92,580.80	\$44.51	\$104,665.60	\$50.32	Monthly
19	Chief Counsel/Director of Legal Services	\$224,744.00	\$108.05	\$258,460.80	\$124.26	\$292,177.60	\$140.47	Monthly
20	Chief Financial Officer	\$213,886.40	\$102.83	\$245,980.80	\$118.26	\$278,054.40	\$133.68	Monthly
21	Chief Information Officer	\$203,590.40	\$97.88	\$234,145.60	\$112.57	\$264,680.00	\$127.25	Monthly
22	Chief Operating Officer	\$245,627.20	\$118.09	\$282,484.80	\$135.81	\$319,321.60	\$153.52	Monthly
23	Clerk of the Board	\$102,481.60	\$49.27	\$117,852.80	\$56.66	\$133,203.20	\$64.04	Monthly
24	Community Engagement Specialist	\$67,641.60	\$32.52	\$77,792.00	\$37.40	\$87,921.60	\$42.27	Monthly
25	Contracts Administrator I	\$68,619.20	\$32.99	\$78,936.00	\$37.95	\$89,232.00	\$42.90	Monthly
26	Contracts Administrator II	\$80,496.00	\$38.70	\$92,580.80	\$44.51	\$104,665.60	\$50.32	Monthly
27	Contracts and Purchasing Assistant	\$55,681.60	\$26.77	\$64,064.00	\$30.80	\$72,425.60	\$34.82	Hourly
28	Database Administrator	\$95,222.40	\$45.78	\$109,512.00	\$52.65	\$123,780.80	\$59.51	Monthly
29	Department Manager	\$141,772.80	\$68.16	\$163,030.40	\$78.38	\$184,288.00	\$88.60	Monthly
30	Deputy Clerk of the Board	\$81,952.00	\$39.40	\$94,307.20	\$45.34	\$106,641.60	\$51.27	Monthly
31	Deputy Director (Division)	\$187,054.40	\$89.93	\$215,113.60	\$103.42	\$243,152.00	\$116.90	Monthly
32	Deputy Executive Director	\$233,729.60	\$112.37	\$268,798.40	\$129.23	\$303,846.40	\$146.08	Monthly
33	Deputy Legal Counsel I	\$122,304.00	\$58.80	\$140,670.40	\$67.63	\$159,036.80	\$76.46	Monthly
34	Deputy Legal Counsel II	\$146,764.80	\$70.56	\$168,792.00	\$81.15	\$190,819.20	\$91.74	Monthly
35	Division Director	\$203,590.40	\$97.88	\$234,145.60	\$112.57	\$264,680.00	\$127.25	Monthly
36	Executive Assistant	\$79,851.20	\$38.39	\$93,953.60	\$45.17	\$108,056.00	\$51.95	Monthly
37	Facilities Supervisor	\$88,691.20	\$42.64	\$98,966.40	\$47.58	\$109,241.60	\$52.52	Monthly
38	GIS Analyst	\$82,264.00	\$39.55	\$94,598.40	\$45.48	\$106,932.80	\$51.41	Monthly
39	GIS Application Developer	\$99,985.60	\$48.07	\$114,982.40	\$55.28	\$129,958.40	\$62.48	Monthly
40	Grants Administrator	\$97,406.40	\$46.83	\$112,008.00	\$53.85	\$126,609.60	\$60.87	Monthly
41	Graphics Designer	\$66,747.20	\$32.09	\$76,752.00	\$36.90	\$86,756.80	\$41.71	Monthly
42	Human Resources Analyst I	\$72,384.00	\$34.80	\$83,241.60	\$40.02	\$94,078.40	\$45.23	Monthly
43	Human Resources Analyst II	\$76,044.80	\$36.56	\$92,684.80	\$44.56	\$109,324.80	\$52.56	Monthly
44	Internal Auditor	\$141,772.80	\$68.16	\$163,030.40	\$78.38	\$184,288.00	\$88.60	Monthly
45	IT Projects Assistant	\$56,763.20	\$27.29	\$65,270.40	\$31.38	\$73,756.80	\$35.46	Hourly
46	Junior Planner	\$58,240.00	\$28.00	\$67,600.00	\$32.50	\$76,960.00	\$37.00	Hourly
47	Lead Accountant	\$106,246.40	\$51.08	\$122,200.00	\$58.75	\$138,132.80	\$66.41	Monthly
48	Lead Budget & Grants Analyst	\$97,406.40	\$46.83	\$112,008.00	\$53.85	\$126,609.60	\$60.87	Monthly
49	Lead Graphics Designer	\$79,393.60	\$38.17	\$91,312.00	\$43.90	\$103,209.60	\$49.62	Monthly
50	Lead IT Help Desk	\$72,800.00	\$35.00	\$83,200.00	\$40.00	\$93,600.00	\$45.00	Monthly
51	Lead IT Projects Manager	\$120,120.00	\$57.75	\$138,153.60	\$66.42	\$156,187.20	\$75.09	Monthly
52	Lead Projects Manager	\$120,120.00	\$57.75	\$138,153.60	\$66.42	\$156,187.20	\$75.09	Monthly
53	Lead Operations Technician	\$75,171.20	\$36.14	\$86,465.60	\$41.57	\$97,739.20	\$46.99	Monthly
54	Lead Programmer Analyst	\$110,344.00	\$53.05	\$126,900.80	\$61.01	\$143,457.60	\$68.97	Monthly
55	Legislative Aide	\$53,664.00	\$25.80	\$61,713.60	\$29.67	\$69,742.40	\$33.53	Hourly

Attachment: Salary Schedule Update (Resolution Approving Amendment 2 to the FY 2020-21 Overall Work Program (OWP))

SCAG Salary Schedule

	Classification	Ranges						Time Base
		Minimum	Minimum Hourly	Midpoint	Midpoint Hourly	Maximum	Maximum Hourly	
56	Legislative Analyst I	\$61,630.40	\$29.63	\$70,865.60	\$34.07	\$80,100.80	\$38.51	Monthly
57	Legislative Analyst II	\$73,840.00	\$35.50	\$84,905.60	\$40.82	\$95,971.20	\$46.14	Monthly
58	Legislative Analyst III	\$85,404.80	\$41.06	\$98,217.60	\$47.22	\$111,009.60	\$53.37	Monthly
59	Legislative Analyst IV	\$96,844.80	\$46.56	\$111,384.00	\$53.55	\$125,923.20	\$60.54	Monthly
60	Management Analyst	\$79,081.60	\$38.02	\$90,958.40	\$43.73	\$102,814.40	\$49.43	Monthly
61	Office Assistant	\$46,716.80	\$22.46	\$53,726.40	\$25.83	\$60,736.00	\$29.20	Hourly
62	Office Services Specialist	\$46,716.80	\$22.46	\$53,726.40	\$25.83	\$60,736.00	\$29.20	Hourly
63	Operations Supervisor	\$88,691.20	\$42.64	\$98,966.40	\$47.58	\$109,241.60	\$52.52	Monthly
64	Operations Technician	\$46,716.80	\$22.46	\$53,726.40	\$25.83	\$60,736.00	\$29.20	Hourly
65	Operations Technician II	\$56,076.80	\$26.96	\$64,500.80	\$31.01	\$72,904.00	\$35.05	Hourly
66	Operations Technician III	\$62,649.60	\$30.12	\$72,072.00	\$34.65	\$81,473.60	\$39.17	Hourly
67	Planning Technician	\$66,830.40	\$32.13	\$76,876.80	\$36.96	\$86,902.40	\$41.78	Hourly
68	Principal Management Analyst	\$105,976.00	\$50.95	\$119,995.20	\$57.69	\$134,014.40	\$64.43	Monthly
69	Program Manager I	\$112,278.40	\$53.98	\$129,126.40	\$62.08	\$145,953.60	\$70.17	Monthly
70	Program Manager II	\$120,120.00	\$57.75	\$138,153.60	\$66.42	\$156,187.20	\$75.09	Monthly
71	Programmer Analyst	\$82,056.00	\$39.45	\$94,369.60	\$45.37	\$106,662.40	\$51.28	Monthly
72	Public Affairs Specialist I	\$68,868.80	\$33.11	\$79,206.40	\$38.08	\$89,523.20	\$43.04	Monthly
73	Public Affairs Specialist II	\$82,513.60	\$39.67	\$94,910.40	\$45.63	\$107,286.40	\$51.58	Monthly
74	Public Affairs Specialist III	\$95,451.20	\$45.89	\$109,761.60	\$52.77	\$124,072.00	\$59.65	Monthly
75	Public Affairs Specialist IV	\$108,243.20	\$52.04	\$124,488.00	\$59.85	\$140,712.00	\$67.65	Monthly
76	Receptionist	\$46,716.80	\$22.46	\$53,726.40	\$25.83	\$60,736.00	\$29.20	Hourly
77	Records Analyst	\$79,081.60	\$38.02	\$90,958.40	\$43.73	\$102,814.40	\$49.43	Monthly
78	Regional Affairs Officer I	\$68,868.80	\$33.11	\$79,206.40	\$38.08	\$89,523.20	\$43.04	Monthly
79	Regional Affairs Officer II	\$82,513.60	\$39.67	\$94,910.40	\$45.63	\$107,286.40	\$51.58	Monthly
80	Regional Affairs Officer III	\$95,451.20	\$45.89	\$109,761.60	\$52.77	\$124,072.00	\$59.65	Monthly
81	Regional Affairs Officer IV	\$108,243.20	\$52.04	\$124,488.00	\$59.85	\$140,712.00	\$67.65	Monthly
82	Regional Planner Specialist	\$104,936.00	\$50.45	\$120,681.60	\$58.02	\$136,406.40	\$65.58	Monthly
83	Senior Accountant	\$84,156.80	\$40.46	\$96,782.40	\$46.53	\$109,387.20	\$52.59	Monthly
84	Senior Administrative Assistant	\$62,649.60	\$30.12	\$72,072.00	\$34.65	\$81,473.60	\$39.17	Hourly
85	Senior Analyst to the Ex Director	\$100,464.00	\$48.30	\$115,544.00	\$55.55	\$130,624.00	\$62.80	Monthly
86	Senior Application Developer	\$108,284.80	\$52.06	\$124,529.60	\$59.87	\$140,774.40	\$67.68	Monthly
87	Senior Budget & Grants Analyst	\$88,545.60	\$42.57	\$101,836.80	\$48.96	\$115,107.20	\$55.34	Monthly
88	Senior Contracts Administrator	\$88,545.60	\$42.57	\$101,836.80	\$48.96	\$115,107.20	\$55.34	Monthly
89	Senior Database Administrator	\$103,525.76	\$49.77	\$119,061.28	\$57.24	\$134,596.80	\$64.71	Monthly
90	Senior Economist	\$102,710.40	\$49.38	\$118,123.20	\$56.79	\$133,536.00	\$64.20	Monthly
91	Senior Graphic Designer	\$75,275.20	\$36.19	\$86,569.60	\$41.62	\$97,843.20	\$47.04	Monthly
92	Senior Human Resources Analyst	\$88,171.20	\$42.39	\$101,420.80	\$48.76	\$114,649.60	\$55.12	Monthly
93	Senior Management Analyst	\$86,985.60	\$41.82	\$100,048.00	\$48.10	\$113,089.60	\$54.37	Monthly
94	Senior Network Engineer	\$108,284.80	\$52.06	\$124,529.60	\$59.87	\$140,774.40	\$67.68	Monthly
95	Senior Operations Technician	\$68,931.20	\$33.14	\$79,268.80	\$38.11	\$89,585.60	\$43.07	Monthly
96	Senior Programmer Analyst	\$108,284.80	\$52.06	\$124,529.60	\$59.87	\$140,774.40	\$67.68	Monthly
97	Senior Regional Planner	\$91,332.80	\$43.91	\$105,040.00	\$50.50	\$118,747.20	\$57.09	Monthly
98	Senior Regional Planner Specialist	\$112,278.40	\$53.98	\$129,126.40	\$62.08	\$145,953.60	\$70.17	Monthly
99	Senior Systems Engineer	\$108,284.80	\$52.06	\$124,529.60	\$59.87	\$140,774.40	\$67.68	Monthly
100	Transportation Modeler I	\$70,220.80	\$33.76	\$80,745.60	\$38.82	\$91,270.40	\$43.88	Monthly
101	Transportation Modeler II	\$83,033.60	\$39.92	\$95,492.80	\$45.91	\$107,931.20	\$51.89	Monthly
102	Transportation Modeler III	\$97,968.00	\$47.10	\$112,673.60	\$54.17	\$127,379.20	\$61.24	Monthly
103	Transportation Modeler IV	\$112,278.40	\$53.98	\$129,126.40	\$62.08	\$145,953.60	\$70.17	Monthly
104	Transportation Modeling Prog Mgr	\$120,120.00	\$57.75	\$138,153.60	\$66.42	\$156,187.20	\$75.09	Monthly
105	Web/Graphic Designer	\$73,424.00	\$35.30	\$84,448.00	\$40.60	\$95,451.20	\$45.89	Monthly



AGENDA ITEM 7
REPORT

Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)
From: Sarah Jepson, Planning Director,
(213) 236-1955, jepson@scag.ca.gov
Subject: Memorandum of Understanding (MOU) with the Center for
Demographic Research

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve the MOU between SCAG and California State University, Fullerton (CSUF) Auxiliary Services Corporation for the continued sponsorship of the Center for Demographic Research (CDR) to promote joint research and exchange technical information, and authorize SCAG's Executive Director or his designee to negotiate, finalize and execute the MOU on SCAG's behalf.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 3: Be the foremost data information hub for the region.

EXECUTIVE SUMMARY:

CDR, based at the California State University, Fullerton (CSUF), was established to coordinate the development of demographic and related socioeconomic information for Orange County, and provide such products to data users. CDR is a vital data source for a wide range of local, subregional and regional applications, including transportation infrastructure planning; facilities planning and timing; development of fee programs; bond revenue stream analysis; general planning and other applications. SCAG, along with other public agencies, has sponsored CDR since 2011, and wishes to continue its support of CDR and thereby, seeks Regional Council's approval of the attached Memorandum of Understanding.

BACKGROUND:

CDR is a non-profit research center dedicated to the development and support of demographic research. CDR's mission is to provide accurate and timely information regarding population, housing and employment characteristics in an efficient and cost-effective manner. Their work focuses mainly on demographics in Orange County, California.

In partnership with other public agencies, such as the Orange County Transportation Authority (OCTA), SCAG has worked cooperatively in supporting the operation of CDR since 2011. SCAG staff recommend continue this support and cooperation by entering into the attached MOU,

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



whereby SCAG would contribute financially to CDR for three years (FY 2020/21 to FY 2022/23). Objectives and deliverables include discussion facilitation and assessments of SCAG's growth forecasting practices for the 2024 RTP/SCS planning cycle, developmental support for Regional Data Platform, and submission of critical RTP/SCS data for Orange County jurisdictions. Each fiscal year, SCAG has the option to reaffirm the partnership or terminate its participation under the MOU. The funding to be provided is as follows: \$106,200.64 in FY 2020/21; \$110,378.62 in FY 2021/22; and \$114,924.00 in FY 2022/23. The total funding for the project over the three-year period is \$331,503.26. SCAG staff seeks Regional Council approval of the MOU and authorization for SCAG's Executive Director or his designee to sign the MOU on SCAG's behalf.

FISCAL IMPACT:

Funding in the amount of \$106,200.64 is included in the proposed FY 2020/21 budget in project 055-0704.02. Funding for future years is contingent on budget availability.

ATTACHMENT(S):

1. Memorandum of Understanding by and between Orange County Interests and CSUF Auxiliary Services Corporation for the Continued Operation of the CDR at CSUF

MEMORANDUM OF UNDERSTANDING
by and between
ORANGE COUNTY INTERESTS
and
CSU FULLERTON AUXILIARY SERVICES CORPORATION
for the
CONTINUED OPERATION OF THE CENTER FOR DEMOGRAPHIC RESEARCH
AT CALIFORNIA STATE UNIVERSITY, FULLERTON

This Memorandum of Understanding (“MOU”) is entered into between the County of Orange, Transportation Corridor Agencies, Orange County Sanitation District, Orange County Transportation Authority, Municipal Water District of Orange County, Orange County Water District, Orange County Council of Governments, Southern California Association of Governments (“SPONSORS”); the Orange County Local Agency Formation Commission (“CONTRIBUTING PARTNERS”) and the CSU Fullerton Auxiliary Services Corporation, (“ASC”), which is a 501 (c)3 California corporation organized under California law as an auxiliary organization of California State University, Fullerton (“CSUF”). This MOU is for the development of demographic data and related support products. Obligations and rights specified for CSUF in the MOU shall be exercised by the ASC.

WHEREAS, the development of demographic and related information for Orange County is a vital data source used for a wide range of local, subregional and regional applications, including, transportation infrastructure planning, facilities planning and timing, development of fee programs, bond revenue stream analysis, general planning and other applications; and

WHEREAS, a number of primary users of data in Orange County have recognized the benefit of having a local area expertise in developing demographic projections and associated products; and

WHEREAS, these SPONSORS, CONTRIBUTING PARTNERS, and CSUF agree on the importance of having a single entity in Orange County developing demographic products and providing such products to data users; and

WHEREAS, these agencies also desire to establish a long-term process which allows each individual agency participation in the development and review of demographic products; and

WHEREAS, the Center for Demographic Research (“CDR”) located at CSUF provides an opportunity to place demographic activities in a setting that accomplishes SPONSORS’ and CONTRIBUTING PARTNERS’ objectives and provides augmented educational opportunities for CSUF; and

WHEREAS, CSUF will be listed as a “SPONSOR” based upon their financial contribution as outlined in the budget in Attachment 1 and in-kind contributions for the balance of the remaining Sponsor seat; and

WHEREAS, the SPONSORS have worked cooperatively in supporting and organizing the Center for Demographic Research for 24 years and wish to continue their cooperation; and

WHEREAS, the CONTRIBUTING PARTNERS wish to participate in supporting the Center for Demographic Research beginning in Fiscal Year 2020/2021; and

NOW, THEREFORE, IT IS RESOLVED that the **SPONSORS, CONTRIBUTING PARTNERS**, and the ASC agree as follows:

I. The SPONSORS and CONTRIBUTING PARTNERS will fund the CDR for the next three years, subject to an annual review and two one-year options by the SPONSORS and CONTRIBUTING PARTNERS, for an annual total fee as set forth in Item IV below and Attachment 1.

II. Process and Structure

A. Orange County Projections

The Orange County Council of Governments (“OCCOG”) will be responsible for the approval of the Orange County Projections at the Regional Statistical Area level and subsequent to that action the County of Orange will approve the Orange County Projections. The OCCOG will work with CDR staff to integrate the Orange County Projections as approved into the Southern California Association of Governments (“SCAG”) Regional Growth Forecast. Sponsors will make good faith efforts to use the Orange County Projections data in all future forecasting and planning efforts.

B. Management Oversight

The Management Oversight Committee (“MOC”) shall meet at least four (4) times each year to (1) consider policy matters associated with the operations of the Center for Demographic Research, (2) review products status and activities which are part of the core Work Program, (3) review the Center for Demographic Research’s financial status and status of annual MOU signatures, (4) set CDR budget and modify staff salaries funded by this MOU (5) consider requests from additional agencies wishing to become sponsors or contributing partners, (6) modify budget and work program upon addition or termination of a sponsor or contributing partner, (7) address other matters vital to the function of the Center for Demographic Research, and (8) undertake additional tasks as requested by the SPONSORS.

The Management Oversight Committee will be comprised of staff representing the SPONSORS, CONTRIBUTING PARTNERS and CSUF. Each SPONSOR will have one voting member of equal standing on the Management Oversight Committee including one member jointly representing the Municipal Water District of Orange County and the Orange County Water District; each CONTRIBUTING PARTNER will have one non-voting Ex-Officio member. The designees from each SPONSOR, CONTRIBUTING PARTNER, and the university shall be named by

July 1 of each year. An organization may also designate an individual(s) to serve as an alternate member of the Management Oversight Committee. The committee chair and vice-chair will be elected for a three-year term.

C. Technical Oversight:

The Technical Advisory Committee (“TAC”) provides technical guidance and input into the development of each product produced under this MOU before they are reviewed by the Management Oversight Committee. The Technical Advisory Committee advises the Director of the Center for Demographic Research, as well as reports to the Management Oversight Committee. The Committee will include one voting representative from each SPONSOR including a member representing the Municipal Water District of Orange County and the Orange County Water District; each CONTRIBUTING PARTNER will have one non-voting Ex-Officio member. University participation on the Technical Advisory Committee will include at least one voting member from CSUF, and one voting member each from the University of California, Irvine and Chapman University. The Director of the Center for Demographic Research will coordinate with research centers at these universities to ensure data consistency. The designees from each SPONSOR, CONTRIBUTING PARTNER, and agency shall be named by July 1 of each year. The committee chair and vice-chair will be elected for a three-year term.

The Technical Advisory Committee shall schedule at least four (4) meetings each year. It will (1) provide a report to the Management Oversight Committee summarizing its meetings, (2) provide advice on the approach, techniques, data sources and methods used to develop new products, (3) facilitate the acquisition of data necessary to produce products, (4) provide suggestions on the interpretation and analysis incorporated into deliverables, (5) provide input on assumptions for the development of the growth projections, (6) provide review of deliverables prior to approval by the Management Oversight Committee and (7) undertake other tasks as identified by the Management Oversight Committee.

D. Transportation Modeling Data

The Orange County Transportation Authority (“OCTA”) will be responsible for the approval of all transportation modeling variables used in the Orange County Transportation Analysis Model (“OCTAM”) at the Traffic Analysis Zone level. The transportation modeling variables shall be consistent with the Orange County Projections, as approved by the Orange County Council of Governments and the County of Orange at the Regional Statistical Area Level. The OCTA and SCAG will exercise user agreements for their consultants to access the transportation modeling variables.

III. Duration and Terminations

This agreement will become effective upon execution and ends on June 30, 2023. A review of the performance of the Center for Demographic Research in meeting its obligations under this MOU will be conducted by the Management Oversight Committee throughout the term July 2020 through June 2023. This MOU may be extended and/or amended by mutual agreement of all signatories.

A party may terminate its participation under this MOU by giving each of the other parties sixty (60) days written notice thereof. Upon said notice of termination, the SPONSOR or CONTRIBUTING PARTNER terminating its participation shall pay the balance of fees owed by the SPONSOR or CONTRIBUTING PARTNER for that given fiscal year. Each fiscal year, the SPONSORS and CONTRIBUTING PARTNERS shall review and approve in writing the MOU, work program, and funding arrangement. Such written approval shall constitute a SPONSOR'S or CONTRIBUTING PARTNER'S agreement to participate in this Agreement. In the event that ASC wishes to terminate its participation, it shall reimburse the SPONSORS and CONTRIBUTING PARTNERS any advance payments, less an amount to cover expenses related to work in progress and less costs reasonably necessary to effect such termination. If a party wishes to withdraw from the agreement, said notice shall be affected by delivery of such notice in person or by depositing said notice in the United States mail, registered or certified mail, return receipt required, postage prepaid.

IV. Funding and Schedule

Respective fees shall be as follows for the following fiscal year:

Payment Schedule for 2020-2023	2020-2021	2021-2022	2022-2023	Three-Year Total
Orange County Transportation Authority	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
County of Orange	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
Orange County Council of Governments	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
Orange County Sanitation District	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
Transportation Corridor Agencies	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
Southern California Association of Governments	\$106,200.64	\$110,378.62	\$114,924.00	\$331,503.26
Municipal Water District of Orange County	\$53,100.32	\$55,189.31	\$57,462.00	\$165,751.63
Orange County Water District	\$53,100.32	\$55,189.31	\$57,462.00	\$165,751.63
Orange County Local Agency Formation Commission	\$17,000.00	\$17,000.00	\$17,000.00	\$51,000.00
NON-CSUF TOTAL	\$760,404.48	\$789,650.34	\$821,468.00	\$2,371,522.82
California State University, Fullerton	\$97,213.96	\$98,782.60	\$98,782.60	\$294,779.16
TOTAL	\$857,618.44	\$888,432.94	\$920,250.60	\$2,666,301.98

Payments shall be made in accordance with invoicing policies of the ASC according to the schedule below. SPONSORS and CONTRIBUTING PARTNERS will be invoiced at the beginning of each quarter. Quarterly payments equal to 25% of the annual fees shall follow invoices submitted according to the calendar below:

Fiscal Year 2020/2021: July 2020, October 2020, January 2021, April 2021
Fiscal Year 2021/2022: July 2021, October 2021, January 2022, April 2022
Fiscal Year 2022/2023: July 2022, October 2022, January 2023, April 2023

SPONSORS and CONTRIBUTING PARTNERS shall pay one-quarter of their annual fees upon receipt of said invoices or may prepay for an entire fiscal year. Prepayment does not imply a discounted rate.

V. Administrative Representatives

A. The Principal Investigator for the operations and management of the Center for Demographic Research and the conduct of this MOU is Deborah Diep, Director. The Assistant Director, Rubaiya Zaman, will serve as the Principal Investigator in the Director's absence. They are authorized to negotiate supplemental services with the SPONSORS, CONTRIBUTING PARTNERS, and Non-sponsors as noted in Section VII. Sydney Dawes, Director, ASC Office of Sponsored Programs is designated as the administrative representative for the ASC. Should the Principal Investigators become unavailable for any reason, no other Principal Investigator shall be chosen by CSUF or the ASC without the approval of the SPONSORS. Furthermore, the ASC agrees that the Management Oversight Committee shall make the recommendation on the selection of the Director or interim Director of the Center for Demographic Research and no Director or interim Director shall be appointed without approval of the Management Oversight Committee. The Management Oversight Committee will serve as the search committee if a search committee for the Director is required by the ASC.

B. Equipment and furniture purchased by ASC under the terms of this MOU shall remain the property of the SPONSORS. In the event that the Center for Demographic Research is disbanded, the equipment remains the property of the SPONSORS and the Management Oversight Committee shall determine its disposition.

C. Databases and applications developed and maintained for the Center for Demographic Research purposes shall remain under control of the SPONSORS. In the event that Center for Demographic Research is relocated from CSUF, all Center for Demographic Research functions and designations shall accompany the Center for Demographic Research.

VI. Additional Sponsorships and Revenues

Other agencies and entities can become sponsors or contributing partners of the Center for Demographic Research with unanimous agreement among the SPONSORS as determined by a vote of the Management Oversight Committee. Adjustments in sponsor fees found necessary resulting from the addition of sponsors shall be determined by the Management Oversight Committee with consultation from the Center for Demographic Research Principal Investigators.

The disposition of additional revenues generated through additional sponsors, and the sale of products and services to non-sponsors shall be determined by the Management Oversight Committee. The additional funds shall be prorated according to the respective sponsor fee. SPONSORS shall have the option of expending their share of the additional funds on CDR activities, products or equipment or having the funds returned to the SPONSORS at the end of the fiscal year.

VII. Products and Deliverables

- A. The Center for Demographic Research will produce the identified core Demographic Products and Services as described in Attachment 2 and listed in Attachment 3. Each SPONSOR will receive ten (10) copies in printed form and one (1) copy of estimates and projections in electronic form.
- B. The SPONSORS and CONTRIBUTING PARTNERS have the right to request supplemental products and support services from the Center for Demographic Research through a purchase order. Projects above the amount of \$25,000 shall be approved by the ASC. Such purchases may be entered into if the SPONSOR or CONTRIBUTING PARTNER agrees to pay ASC all additional costs resulting from the additional products or services, including an indirect cost of 22%, and if the activities do not interfere with the normal functioning of the CDR. If requests for additional products or services require interference with the normal functioning of the CDR as determined by the Management Oversight Committee or additional resources from the CDR's basic budget the proposal for such products and services will be forwarded to the Management Oversight Committee for their advice and consent prior to finalization of the agreement. In all cases, supplemental work for SPONSORS and CONTRIBUTING PARTNERS shall be assessed indirect costs of 22%.
- C. Non-sponsors can contract with the Center for Demographic Research through the ASC for its services or obtain supplemental products and support services from the Center for Demographic Research through a Non-sponsor purchase order. A list of these projects will be submitted to the MOC on a quarterly basis. If the Director assesses a proposed project contains a conflict of interest, conflict of time commitment, or interference with the normal functioning of CDR, the Management Oversight Committee will be informed of the request for services and will review it for any potential conflicts. The Director shall notify the Management Oversight Committee of any such proposed agreement and provide the committee with draft text and budget, before the intended start of work. The Management Oversight Committee shall review the proposed project for possible conflicts of interests, conflicts of time commitment, and budgetary adequacy. The Management Oversight Committee may at its discretion impose a surcharge of funds to be used at its discretion. Action on these matters may be taken only with the concurrence of a majority of the members of the Management Oversight Committee and all such supplemental work for Non-sponsors shall be assessed normal indirect costs of 22%.

- D. Use of revenues generated by the sale of products produced by the Center for Demographic Research shall be determined by the Management Oversight Committee. A quarterly report on product sales will be presented to the Management Oversight Committee.
- E. Additional projects should not adversely affect the schedule of deliverables unless otherwise agreed to by the Management Oversight Committee.

VIII. Sponsorship

This Agreement shall be signed by all SPONSORS and CONTRIBUTING PARTNERS by June 30, 2020 with the exception of the Southern California Association of Governments. The Southern California Association of Governments shall sign this Agreement by September 30, 2020. If all SPONSORS and CONTRIBUTING PARTNERS listed in Section XVIII do not sign by September 30, 2020, the work program and budget will be modified to reflect the committed funding. If any SPONSOR or CONTRIBUTING PARTNER does not sign this Agreement, the funding amounts of the remaining SPONSORS and CONTRIBUTING PARTNERS will not change. The remaining SPONSORS and CONTRIBUTING PARTNERS are not required to make up the difference in the reduced budget. Any SPONSOR or CONTRIBUTING PARTNER listed as an ORANGE COUNTY INTEREST that does not sign this Agreement forfeits all rights, services, and privileges as a CDR SPONSOR or CONTRIBUTING PARTNER unless otherwise negotiated. A formal status report on execution will be delivered at each Management Oversight Committee meeting until all SPONSORS and CONTRIBUTING PARTNERS sign this Agreement.

IX. Liability and Insurance

Each party to this MOU hereby assumes any and all risks for personal injury and property damage attributable to the negligent acts or omissions of that party and the officers, employees, and agents thereof. ASC warrants that it has adequate Worker's Compensation Insurance and liability insurance for its own employees. The ASC, the SPONSORS (the County of Orange, Transportation Corridor Agencies, Orange County Sanitation District, Orange County Transportation Authority, Municipal Water District of Orange County, Orange County Water District, Orange County Council of Governments, and Southern California Association of Governments), and the CONTRIBUTING PARTNERS (the Orange County Local Agency Formation Commission) agree to indemnify and hold each other, their respective officers, employees, students, agents, harmless from and against all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from negligent or intentional acts or omissions of the indemnifying party, its officers, employees, students or agents.

X. Independent Contractor

In the performance of all services and obligations under this agreement, SPONSORS, CONTRIBUTING PARTNERS, and ASC shall act as independent contractors. None shall be considered an employee or agent of the other.

XI. Use of Names

SPONSORS and CONTRIBUTING PARTNERS agree not to use the names of the ASC or CSUF in any commercial connection with work performed under this Agreement without prior written permission from the ASC. SPONSORS and CONTRIBUTING PARTNERS may use said names in ordinary internal business reports concerning this Agreement and may use the names of the Center for Demographic Research and the Principal Investigators in non-commercial publicity announcing the results of the project.

ASC agrees not to use the names of SPONSORS and/or CONTRIBUTING PARTNERS in any commercial connection with this work without prior written permission from SPONSORS and/or CONTRIBUTING PARTNERS. ASC may use SPONSORS' and/or CONTRIBUTING PARTNERS' name in ordinary internal business reports concerning this agreement and in non-commercial publicity announcing the awarding of the contract.

The provisions of this Section of the Agreement shall survive for two (2) years beyond any termination date specified in Section III or any extension thereof.

XII. Force Majeure

SPONSORS, CONTRIBUTING PARTNERS, and ASC shall not be liable or deemed to be in default for any delay or failure in performance under this Agreement or interruption of services resulting, directly or indirectly, from acts of God, civil or military authority, acts of public enemy, strikes, labor disputes, or any similar cause beyond the reasonable control of SPONSORS, CONTRIBUTING PARTNERS, or ASC, provided the affected party notifies the other party of the delay in writing within ten days of the onset of the delay.

XIII. Assignment

This Agreement shall inure to the benefit of and be binding upon and enforceable by the parties and their successors and permitted assigns. However, neither party may assign any of its rights or obligations under this Agreement without the prior written consent of the other.

XIV. Modification and Waiver

None of the terms of the Agreement may be waived or modified except by an express agreement in writing signed by SPONSORS, CONTRIBUTING PARTNERS, and ASC. Modifications not documented in writing cannot be enforced. The failure or delay of either party in enforcing any of its rights under this Agreement shall not be deemed a continuing waiver or a modification by such party of such right.

XV. Governing Law

The validity and interpretation of this Agreement shall be governed by the laws of the State of California.

XVI. Federal Statutes Relating to Nondiscrimination

ASC will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S. C. sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S. C. section 794), which prohibits discrimination on the basis of handicaps; (d) Age discrimination Act of 1975, as amended (42 U.S.C. sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment, and Rehabilitation Act of 1970 (P.O. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-d and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. section 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (I) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirement of any other federal nondiscrimination statute(s) which may apply to the application.

XVII. Notices

Notices under this agreement shall be considered to be given if delivered by first class mail to the following addresses:

For SPONSORS:

Jessica Witt
County of Orange
10 Civic Center Plaza, 3rd Floor
Santa Ana, CA 92701

Marnie O'Brien Primmer
Orange County Council of Governments
3972 Barranca Pkwy, Suite J-127
Irvine, CA 92606

James D. Herberg
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92738-8127

Kurt Brotcke
Orange County Transportation Authority
550 S. Main Street
2nd Floor
Orange, CA 92868

Kome Ajise
Southern California Association of Governments
c/o Justine Block, SCAG Acting Chief Counsel
900 Wilshire Blvd., Suite 1700
Los Angeles, CA 90017

Valarie McFall
Transportation Corridor Agencies
125 Pacifica, Suite 100
Irvine, CA 92618-3304

Robert Hunter
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92728

Michael R. Markus
Orange County Water District
18700 Ward Street
Fountain Valley, CA 92728-8300

Danny C. Kim
Administration and Finance, California State University, Fullerton
800 N. State College Blvd., LH-802
Fullerton, CA 92831-3599

For CONTRIBUTING PARTNERS:

Carolyn Emery
Orange County Local Agency Formation Commission
2677 N. Main Street, Suite 1050
Santa Ana, CA 92705

For CSU FULLERTON AUXILIARY SERVICES CORPORATION

Sydney Dawes, Director, ASC Office of Sponsored Programs
CSU Fullerton Auxiliary Services Corporation
1121 N. State College Blvd.
Fullerton, CA 92831-3014

XVIII. Execution

IN WITNESS THEREOF, the SPONSORS, CONTRIBUTING PARTNERS, and the ASC have executed this Agreement on the date first herein written. This Agreement is to be signed in counter parts.

For the CSU Fullerton Auxiliary Services Corporation:

Charles D. Kissel, Executive Director

Date

For the County of Orange:

Frank Kim, County Executive Officer

Date

For the Orange County Council of Governments:

Marnie O’Brien Primmer, Executive Director

Date

For the Orange County Sanitation District:

James D. Herberg, General Manager

Date

For the Orange County Transportation Authority:

Darrell Johnson, Chief Executive Officer

Date

For the Southern California Association of Governments:

Kome Ajise, Executive Director

Date

For the Foothill/Eastern Transportation Corridor Agency:

Michael Kraman, Chief Executive Officer

Date

For the San Joaquin Hills Transportation Corridor Agency:

Michael Kraman, Chief Executive Officer

Date

For the Municipal Water District of Orange County:

Sat Tamaribuchi, President of the Board

Date

Robert Hunter, General Manager

Date

For the Orange County Water District:

Vincent Sarmiento, President

Date

Michael R. Markus, General Manager

Date

For the Orange County Local Agency Formation Commission:

Carolyn Emery, Executive Officer

Date

For California State University, Fullerton:

Danny C. Kim, Vice President for
Administration & Finance/CFO

Date

**Attachment 1: Center for Demographic Research
Annual Budget: July 1, 2020 through June 30, 2023**

		<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>	
1	Salaries	\$434,339.26	\$446,889.06	\$467,736.62	
2	Benefits	\$184,459.49	\$191,881.70	\$201,114.20	
3	Supplies	\$7,000.00	\$7,000.00	\$7,000.00	
4	Printing & Publications	\$8,500.00	\$12,500.00	\$8,500.00	
5	Meetings, Mileage, & Training	\$1,950.00	\$1,950.00	\$1,950.00	
6	Equipment	\$500.00	\$500.00	\$500.00	
7	Expenses	\$636,748.75	\$660,720.77	\$686,800.82	
8	Federally-negotiated Indirect Cost (IDC) / Overhead: 37%	\$235,597.04	\$244,466.68	\$254,116.30	
9	Office space rent (not subject to IDC)	\$80,784.96	\$82,353.60	\$82,353.60	
10	(A) Gross Total Program Costs	\$953,130.75	\$987,541.05	\$1,023,270.72	
11	Contributions toward IDC				
12	Non-CSUF SPONSORS/Contributing Partner (22.0%)	\$140,084.73	\$145,358.57	\$151,096.18	
13	CSUF contribution (IDC reduction from 37% to 22%)	\$95,512.31	\$99,108.11	\$103,020.12	
14	Total Indirect Cost (IDC) / Overhead	\$235,597.04	\$244,466.68	\$254,116.30	
15	CSUF Contribution Summary				
16	Office space rent: 100% ¹	\$80,784.96	\$82,353.60	\$82,353.60	
17	Administrative Asst. salary support from HSS Dean ¹	\$16,429.00	\$16,429.00	\$16,429.00	
18	Subtotal of CSUF Monetary Contributions	\$97,213.96	\$98,782.60	\$98,782.60	
19	IDC / Overhead (Rate reduction from 37% to 22%) ²	\$95,512.31	\$99,108.11	\$103,020.12	
20	(B) Total CSUF Contribution	\$192,726.27	\$197,890.71	\$201,802.72	
21	NET CDR BUDGET TOTAL: (A) - (B)	\$760,404.48	\$789,650.34	\$821,468.00	
22	Contributing Partner (no seat): LAFCO	\$17,000.00	\$17,000.00	\$17,000.00	
23	Cost per Sponsorship Seat= (Net Budget – LAFCO)/ 7 remaining seats	\$106,200.64	\$110,378.62	\$114,924.00	
	Number of Voting Seats				
24	OCTA	1	\$106,200.64	\$110,378.62	\$114,924.00
25	COUNTY	1	\$106,200.64	\$110,378.62	\$114,924.00
26	OCCOG	1	\$106,200.64	\$110,378.62	\$114,924.00
27	OCSO	1	\$106,200.64	\$110,378.62	\$114,924.00
28	TCA	1	\$106,200.64	\$110,378.62	\$114,924.00
29	SCAG	1	\$106,200.64	\$110,378.62	\$114,924.00
30	MWDOC	0.5	\$53,100.32	\$55,189.31	\$57,462.00
31	OCWD	0.5	\$53,100.32	\$55,189.31	\$57,462.00
32	CSUF	1	see above	see above	see above
33	LAFCO	0	\$17,000.00	\$17,000.00	\$17,000.00
34	TOTAL	8	\$760,404.48	\$789,650.34	\$821,468.00

¹Monetary contribution

²Non-monetary contribution (rate reduction); not included in IV. Funding and Schedule: Payment Schedule for 2020-2023, Page 4.

Attachment 2
Proposed CDR 2020-2023 Services and Products

REPORTS

Orange County Progress Report

Produce an annual Orange County Progress Report. This document presents a unified and a comprehensive picture of Orange County and its 34 cities including its economic health, its demographic status and trends, and other information of interest to those who might wish to relocate to Orange County, do business in the County, or otherwise have an interest in the economic and demographic status and future of Orange County.

Orange County Projections

Preparation and development of OCP-2022 will begin during this three-year MOU. Incorporate 2020 Decennial Census data into OCP-2022 base year dataset. Complete OCP-2022 dataset and adoption. Following the adoption of OCP-2022, produce a report containing assumptions, tables, charts, maps, and methodology. The OCP dataset contains population, housing, and employment projections by 2020 census tract, jurisdiction, Community Analysis Area, and Regional Statistical Area for a 25-year period. This iteration will include agency boundaries for MWDOC, OCSD, & OCWD.

Orange County Facts and Figures

Update quarterly the Orange County Facts and Figures. This document focuses on the most frequently asked questions about Orange County demographics and related information.

Boundary and Annexation Report

Working with information provided by OC LAFCO, CDR staff will produce an annual report of the jurisdictional boundary changes. This multi-page report will contain a map of the year to year boundary changes and a table listing the area change and specific annexations and incorporations for each calendar year. Detailed annexation and vicinity maps from OC LAFCO's approved changes of organization documents will also be included in the report. For ease of reference and to make the information publically available, the report will be posted on OC LAFCO's website.

Housing Activity Report

Using information from the Housing Inventory System (HIS), CDR staff will produce an annual report on the housing construction and demolition activity by jurisdiction. Information will be released in aggregate form at the jurisdiction level in a PDF.

PUBLIC INFORMATION SERVICES

Provide Public Information on Orange County Demographics as Requested

Provide information in response to numerous requests made by government agencies, elected officials, private companies, non-profit organizations, schools, students, and citizens regarding demographic and related information about Orange County.

Maintain CDR Website

Update the information currently on the CDR website on a regular basis and expand as information becomes available.

Provide Information and Analysis to News Media

Provide information, description, interviews, and analysis of demographics to news media to assist them in doing stories where demographics is the focus.

Update RHNA Allocations

Develop allocations of 2020 RHNA for annexations and incorporations as requested. Provide data support to local jurisdictions and SCAG during development of the 2020 RHNA. Monitor RHNA development process to ensure Orange County data is incorporated.

Process Decennial Census and American Community Survey Data

Process Bureau of Census data as it pertains to development of the Orange County Projections and at the request of CDR Sponsors.

State Data Center Affiliate

The CDR will serve as a State Data Center Affiliate to the Demographic Research Unit of the California Department of Finance. As an Affiliate, CDR will assist the SDC and Orange County in disseminating census data and improving public access to census data products consistent with services CDR already provides.

DATA BASES

Housing Inventory System

The Housing Inventory System (HIS) is a data system that includes all changes to each jurisdiction's housing stock, including 2017 and 2019 changes to accessory dwelling units. Data is collected at the address level and converted into a GIS database by geocoding. After geocoding, quality analysis efforts include tying activity to parcels. Depending on the jurisdiction, different documents are used to record added units including certificates of use and occupancy, utility release log, or building final documents. Demolitions and conversions are recorded through other recordation. Changes to the mobile home inventory will be verified with HCD. This project includes an annual review and sign off process by each jurisdiction of their geocoded data to ensure accuracy.

Census Data by Partial TAZ

Update the correspondence tables of 2020 Census blocks to the TAZs after release of Census Bureau data and GIS shapefiles. As the various census files become available, transportation modeling variables and other key variables useful for projecting the modeling variables will be aggregated to TAZ.

Calibrate Age Cohort Component, Shift-Share and Headship Rate Models

Based on data from the Census Bureau, DOF, and EDD data, calibrate the models used to project county-wide population, housing and employment.

Master Polygon File

Update master polygon file based on the 2020 Census block file for use in development of OCP dataset and annual population and housing unit estimates. Allocate Census block data to TAZ, CAA, RSA, MWDOC, OCSD, and OCWD. Working with information from OC LAFCO, the master polygon file will be updated annually to include changes to agency boundaries: jurisdiction, MWDOC, OCSD, and OCWD.

Population and Housing Estimates by TAZ (OCP)

Estimates of population and housing by unit type will be developed using the 2010 Census and American Community Survey data at the split TAZ. From 2014 onwards, housing unit changes will be geocoded and aggregated to the TAZ. Annual estimates of population and housing will be produced by TAZ for maintenance of the OCP base file.

Annual Population and Housing Estimates by Partial Census Tract and Sponsor Agency

Estimates of population and housing units developed using the 2020 Census for each of the special district sponsors will be updated annually. From 2014 onwards, annual estimates (January 1) of population and housing will be produced by partial census tract and for each of the special district sponsor agencies: MWDOC, OCSD, and OCWD.

Project Total County Population, Housing, and Employment

Draft assumptions for OCP-2022 will be developed and reviewed by the CDR TAC. These will then be incorporated into the macro level models used to project population, housing, and employment. The resulting projections will be reviewed by the CDR TAC and MOC and then brought to the OCCOG TAC and Board for approval as the controls totals for OCP-2022.

Projected Population, Housing and Employment by TAZ (OCP)

Preparation and development of OCP-2022 will begin during this MOU cycle. Countywide population, housing, and employment for years 2020 through 2050 will be allocated to Traffic Analysis Zones split by jurisdictions. Following the allocation, extensive review and refinement will occur to assure the accuracy of the projections.

Secondary Variables by TAZ (OCTAM)

The basic projected population, housing, and employment from OCP-2022 will be expanded to the 14 OCTAM variables. These variables will include resident population, group quarters population, employed residents, median income, occupied single family dwelling units, occupied multiple family dwelling units, household size, retail employment, service employment, K-12 public school employment, all other employment, school enrollment, university enrollment, and area. Preparation of the base year OCTAM data for OCP-2026 will begin in this MOU cycle.

Entitlement Dataset & Support Services

Provide support to Orange County jurisdictions in the development of the entitlements database and other data requested by SCAG during the development of the 2020 & 2024 RTP/SCS. Monitor development process to ensure Orange County data is incorporated.

Consolidated Boundary and Annexation Program (CBAS)

CDR staff will report annual jurisdictional boundary and feature changes through a new, voluntary program of the U.S. Census Bureau that allows for a consolidated annual review of jurisdiction boundaries. This review will be done using the official County Surveyor/OC LAFCO jurisdiction GIS boundary file. Orange County jurisdictions will be able to opt in or out of this CDR service annually. CDR will notify each participating jurisdiction and OC LAFCO of the outcome of the BAS review, i.e., whether there were any areas where jurisdiction boundaries needed to be corrected.

COMMITTEES

Participate in Sponsor Technical Advisory Committees as Requested

Participate in appropriate Sponsor technical advisory committees including, OCCOG TAC, County's Demographic Steering Committee, OCTA's Modeling TAC, Orange County Sanitation District's Planning Advisory Committee, Water Use Efficiency Project Advisory Committee, and SCAG's Technical Working Group and other regional working groups.

Coordinate with SCAG and SCAG Committees

This service revolves around the incorporation of OCP into the SCAG growth forecast. This service includes participation in SCAG expert panels and workshops to develop assumptions for their population and employment projections; monitoring the discussions relevant to the development of SCAG's growth forecast at SCAG policy committees and subregional coordinator meetings; and coordinating with relevant SCAG staff on this issue.

Coordinate with University Research Centers

CDR staff will coordinate with UCI and Chapman University research centers to ensure consistency between the CDR's forecast and estimates and those produced by these institutes.

2020-2023 LAFCO FUNDED PROJECT: Sphere of Influence Estimates

CDR will update its master polygon file on an annual basis with changes to the sphere of influence (SOI) boundaries. CDR will produce annual estimate of January 1 population and housing for each of the SOI polygons upon completion of the annual Housing Inventory System to maintain this information in preparation for the 2018-2022 OC LAFCO municipal service review cycle.

Boundary and Annexation Report: Working with OC LAFCO over the three-year MOU cycle, CDR will attempt to build a historical reference collection of these reports going back to 2000 as information is available.

NEW PROJECTS & SERVICES

Modifications to OCTA Traffic Analysis Zones

CDR will work with OCTA on an update to their Orange County Transportation Analysis Model Traffic Analysis Zones (OCTAM TAZs) to align with roads and communities that have been built and future developments which are now formally detailed. Once the 2020 Census block geographic boundaries are available, the CDR will work with OCTA from July to December 2020 to update the OCTAM TAZ boundaries by incorporating any additional changes OCTA has requested and finalize any other requested or suggested changes to the TAZ boundaries in preparation for the OCP-2022. 2020 base year estimates to be reviewed by jurisdictions in summer 2021.

Orange County Projections 2022 Geographies- Tier 3/City TAZ Pilot Program

CDR will complete a pilot program of three cities, which already have comparable data at the Tier 3/city TAZ level, to expand the OCP split OCTAM-TAZ geographies to the city/Tier 3 TAZs for OCP-2022. The city-TAZs nest into the OCTAM TAZs. This data will also be provided to SCAG for use in their modeling efforts at the Tier 3 level. The OCP-2022 working geographic unit would be the split Tier 3 TAZ. The OCTAM modeling dataset would still be developed and provided to OCTA at the OCTAM TAZ (Tier 2) level. The pilot program would potentially be a first-phase effort to incorporate the city/Tier 3 TAZ for the three volunteer cities (Anaheim, Irvine, and Newport Beach) into the CDR minimum planning unit database for OCP.

Special Decennial Census Edition of the Facts & Figures

This multi-page document will include county and city/community data from the 2020 Decennial Census on population and housing. It will also show growth and changes since the 2010 Decennial Census. This document will be electronic and posted online for free download.

Census Bureau Count Question Resolution (CQR) Program Support

CDR staff will provide maps to Orange County jurisdictions to verify 2020 Census jurisdictional boundaries and total population and housing unit counts by census block. CDR staff will assist Orange County jurisdictions in documenting errors found during the review process by providing maps to be used in their responses to the U.S. Census Bureau Count Question Resolution program.

Attachment 3

Proposed Draft Work Program 7/2020 - 6/2023

	07/20	10/20	01/21	04/21	07/21	10/21	01/22	04/22	07/22	10/22	01/23	04/23	07/23
OC Facts and Figures		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Special 2020 Census Profile reports				●	▲								
OC Progress Report					●	—	▲				●	—	▲
Boundary & Annexation Report				▲				▲				▲	
Housing Activity Report		▲				▲				▲			
Modifications to OCTA TAZs	●	—	▲										
OC Projections 2022	●	—								▲			
OCP 2022 - Tier 3 Pilot Program	—	—									▲		
OCP 2022 secondary variables				●	—						▲		
Census Data by TAZ	—	—											
Pop & Housing by TAZ	●	—			▲	—			▲	—			▲
Employment by TAZ	—	—				▲						●	—
Housing Inventory System	—	—			▲	—			▲	—			▲
Pop & Housing by Partial CT	—	—			▲	—			▲	—			▲
Special District Annual Estimates	▲			●	—	▲			●	—	▲		●
Calibrate Demog & Econ Models			●	—			▲						
Consolidated Boundary & Annexation		●	—	▲		●	—	▲		●	—	▲	
Public Information	—	—											
Maintain CDR Homepage	—	—											
Info for Media	—	—											
Process Census Info	—	—											
State Data Center Affiliate support	—	—											
RHNA Allocations	—	—											
2020 Census Geographic Support	—	—											▲
Entitlement Dataset & Support Services	—	—											▲
Census Count Question Resolution Program					●	—							▲

● Startup
▲ Milestone/Completion



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)
From: Art Yoon, Director of Policy and Public Affairs,
(213) 236-1840, ArtYoon@scag.ca.gov
Subject: Legislative Platform Mid-Year Update

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Support

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

EXECUTIVE SUMMARY:

During the June 16, 2020 Legislative/Communications and Membership Committee (LCMC) meeting, staff was directed to evaluate a handful of issues for the possibility of a mid-year update to the adopted 2020 State and Federal Legislative Platform. At the LCMC meeting on July 21, 2020, staff presented four bullet points relating to broadband access, increased educational opportunities, public health, and racial justice for possible inclusion in the platform. After a robust discussion, the LCMC unanimously voted to recommend a “support” position on the inclusion of all four points to the Regional Council.

BACKGROUND:

Discussions on the 2020 Legislative Platform began in earnest at the LCMC’s November 19, 2019 meeting. The 2020 Legislative Platform represented an update, as opposed to extensive rewrite, to the 2019 Legislative Platform, as it was in the middle of a two-year legislative and congressional session. Feedback, ideas, and direction from LCMC Members were incorporated into a second staff report and a proposed final 2020 Legislative Platform was presented at the LCMC’s December 18, 2019 meeting. The LCMC recommended that the 2020 Legislative Platform be adopted at that meeting and the Regional Council subsequently approved it on February 6, 2020.

Current issue areas included in the legislative platform are detailed in the following tables:

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State	
Active Transportation	Affordable Housing & Redevelopment Agencies
Building Resilience	Cap & Trade
Congestion Reduction	Freight & Goods Movement
Government Efficiency	Project Streamlining
Technology & Data	Transportation Development Act
Transportation Funding	Transportation Safety

Federal	
Affordable Housing & Homelessness	Aviation
Environment & Air Quality	Freight & Goods Movement
Project Streamlining	Public Private Partnerships
Public Transit & Mobility	Reauthorization of the FAST Act
Transportation Funding	

Updates to the 2020 Legislative Platform

The COVID-19 pandemic was unforeseen but quickly became the center of attention in Sacramento and Washington, D.C., leading to an abrupt shutdown of workplaces and schools across the country to reduce exposure to the virus. Immediate impacts on public health and emergency preparedness, as well as long-term impacts on the economy, unemployment figures, revenue forecasts, and city, county, and state budgets, continue to be front and center for all levels of government.

In addition, COVID-19 exposed socioeconomic and racial inequalities that existed long before the pandemic began. As a result, staff proposed the inclusion of two bullet points at the June 16, 2020 LCMC meeting: one relating to support for increased broadband access and another expressing support for increased educational opportunities at a proposed California State University, Palm Desert. During the discussions, LCMC Members expressed their general support for these two items. Concerning other potential updates to the legislative platform, LCMC Members directed staff to evaluate the following additional issues areas: California’s “First 5” Commission, economic development, public-private partnerships, and racial equity.

In reviewing the current legislative platform, staff found that the existing bullet points in the Affordable Housing section, expressing support for the “restoration and expansion of tax increment tools,” and the bullet points in the “Public-Private Partnerships” section, provide sufficient support for economic development and public-private partnerships. As such, staff did not propose additional bullet points on these two issues area beyond what is already in the current legislative platform.

Staff does propose bullet points, however, relating to public health to capture the issue of California's "First 5" commissions and a separate bullet point on racial equity. These two issues, along with broadband access and educational opportunity, are discussed below in alphabetical order.

1. Broadband Access.

Proposed bullet point: Support coordinated efforts that would prioritize additional funding and resources for broadband infrastructure, particularly in low-income and rural communities, to bridge the digital divide exacerbated by the COVID-19 pandemic.

The pandemic has exposed the social and racial inequities in our state. The digital divide highlights this inequity in terms of the lack of access to high speed internet in low-income and rural communities.

The inclusion of such a bullet point would be consistent with SCAG's work, along with the California Emerging Technology Fund and the Inland Empire Regional Broadband Consortium, to study broadband planning and deployment as part of transportation projects in the region. Improved broadband deployment, particularly in disadvantaged communities and unserved/underserved rural and urban areas, will support increased use of online learning, telehealth/telemedicine, telecommuting, e-commerce, and e-government, having the effect of a reduction in vehicle miles traveled and associated greenhouse gas emissions.

Given the large discrepancy regarding access to high speed internet, the LCMC was asked to consider updating the legislative platform to express support for efforts that would provide additional funding and resources for broadband infrastructure.

2. Educational Opportunity.

Proposed Bullet Point: Support the establishment of a new California State University (CSU) campus in the City of Palm Desert to increase educational and economic opportunities in the SCAG region.

The CSU system recently contracted with the HOK architectural and planning firm to conduct a \$4 million study to see whether — and where — a potential 24th CSU campus for 8,000 students could be built. Possible locations for a new billion-dollar campus include Stockton in the San Joaquin Valley; Concord, east of Oakland; Chula Vista, south of San Diego; and Palm Desert in the Coachella Valley. No other jurisdiction in the SCAG region is being considered as part of this study. Gov. Gavin Newsom's original focus was just on the Stockton area, but the Legislature approved a broader statewide scope, with a deadline of summer 2020 for a

possible site recommendation, if any. Due to the COVID-19 pandemic, however, this timeframe is now uncertain. Before a final decision is made, the CSU Board of Trustees, the Governor, and the Legislature will weigh in, along with local authorities.

Given the large discrepancy regarding educational opportunities in Riverside County, one of the fastest growing counties in California according to the U.S. Census, the LCMC was asked to consider updating the legislative platform to express support for establishing a CSU campus in the City of Palm Desert.

3. Public Health.

Proposed Bullet Point: Support legislative efforts related to SCAG's core planning activities that facilitate equitable health outcomes for all residents of the SCAG region.

At the June 16, 2020 LCMC meeting, one LCMC member asked staff to consider the inclusion of a bullet point relating to the declining revenue source for California's "First 5" commissions. In 1998, California voters passed Proposition 10, adding a 50-cent tax to each pack of cigarettes sold in the state. The proposition also created First 5 California, also known as the California Children and Families Commission, whose aim is to improve the lives of California's young children and their families through a comprehensive system of education, health services, childcare, and other programs. First 5 California distributes funds to local communities through the state's 58 individual counties, all of which have created their own local First 5 county commissions. The amount of funding provided to each First 5 county commission is based upon the county's birth rate.

While SCAG has not traditionally worked in the space that creates and implements programs related to prenatal or toddlerhood specifically, Assembly Bill (AB) 441 (Chapter 365, Statutes of 2012) does provide guidance for Metropolitan Planning Organizations developing regional transportation plans that include programs, policies and practices that promote health and guidelines supporting analysis of aging populations, climate change and health equity.

For SCAG, efforts envisioned under AB 441 are included in SCAG's existing Public Health Working Group, and the products of this group's meetings are reflected in the Public Health Technical Report, an appendix to the Connect SoCal plan. This appendix presents an overview of health outcomes in the SCAG region as they relate to the built environment and the plan's impacts.

The multimodal transportation and land use strategies of Connect SoCal include many co-benefits for improving health outcomes and present opportunities to ensure investments result in equitable health outcomes and benefit all populations in the region. Because of

SCAG's existing work in this space, the LCMC was asked to consider updating the legislative platform to express support for legislative efforts related to SCAG's core planning activities that facilitate equitable health outcomes for all residents of the SCAG region.

4. Racial Justice.

Proposed Bullet Point: Recognizing that systemic racism continues to create barriers to success for people of color, SCAG seeks to lead and join in legislative efforts that reverse the effects of inequitable policies, processes, and practices as it relates to planning decisions in the region.

At its July 2, 2020 meeting, the Regional Council passed a resolution to express SCAG's solidarity with those working toward a fair and just society, and with those calling for systemic change to eliminate all barriers that reduce opportunity and undermine Southern California's shared values and ability to thrive. The Regional Council also affirmed SCAG's commitment to meaningfully advance justice, equity, diversity, and inclusion, and declared SCAG's intent to end racial and social disparities internal to the agency, strengthen the way it engages and convenes to protect and expand community voice and power, and work in partnership with others to close the gap of racial injustice and better serve our communities of color, and in so doing, serve all the people of the region.

In addition, the Regional Council's resolution included support for the adoption of an ad hoc Special Committee on Equity and Social Justice to further develop SCAG's response to advancing social justice throughout the agency's activities, and to advise the RC on policies and practices to advance the statements made above.

Because of SCAG's current work on these issues, including the establishment of a new ad hoc committee, the LCMC was asked to consider updating the legislative platform to recognize that systemic racism continues to create barriers to success for people of color, and expresses support for legislative efforts that reverse the effects of inequitable policies, processes, and practices as it relates to planning decisions in the region.

Prior Committee Action

At the July 21, 2020 meeting of the LCMC, staff presented four new bullet points relating to broadband access, increased educational opportunities at a proposed CSU campus in the City of Palm Desert, equitable public health outcomes, and racial justice for possible inclusion in the platform. During deliberation, LCMC Members pointed out the need to include "coordinated" and "prioritize" to the first bullet point on broadband access because there is a need to coordinate across multiple levels of governments to deploy broadband infrastructure across the region.

After a thoughtful discussion, the LCMC voted to recommend a “support” position to the Regional Council on the inclusion of all four bullet points to the adopted 2020 State and Federal Legislative Platform. The proposed language to the Regional Council is:

1. Support coordinated efforts that would prioritize additional funding and resources for broadband infrastructure, particularly in low-income and rural communities, to bridge the digital divide exacerbated by the COVID-19 pandemic.
2. Support the establishment of a new California State University (CSU) campus in the City of Palm Desert to increase educational and economic opportunities in the SCAG region.
3. Support legislative efforts related to SCAG’s core planning activities that facilitate equitable health outcomes for all residents of the SCAG region.
4. Recognizing that systemic racism continues to create barriers to success for people of color, SCAG seeks to lead and join in legislative efforts that reverse the effects of inequitable policies, processes, and practices as it relates to planning decisions in the region.

FISCAL IMPACT:

Work associated with the Legislative Platform Discussion & Update staff report is contained in the Indirect Cost budget, Legislation 810-0120.10.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract Nos. 19-052-C1
through 19-052-C10, Information Technology (IT) Technical
Project Resources

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

For FY21 staff request the Regional Council (RC) to authorize staff to continue to:

- 1) Provide project-based technical resources and approve funding contracts to be referenced as 19-052-C01 through 19-052-C10 and 16-040B-C2 and 16-040B-C4, retroactive to July 1, 2020, with the various firms in an amount not to exceed \$980,000 beginning with FY21 and continuing beyond in to future fiscal years until staff fully expends the \$980,000, (this means staff will only return to the RC to approve additional funding when the \$980,000 is fully expended) and to;
- 2) Exceed the \$200,000 contract limit per procurement procedures for each individual contract for IT resources, when an individual resource is retained for project support for the purpose of maintaining consistency and effectiveness for each project's duration, up to the 5-year Term of the bench contract. This includes amending a contract beyond \$75,000 or 30% of its original value or beyond the normal \$200,000 RC approval threshold.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 3: Be the foremost data information hub for the region.

EXECUTIVE SUMMARY:

On December 5, 2019, at a special meeting of the Executive/Administration Committee (EAC - Agenda Item No. 5), the EAC, on behalf of the Regional Council authorized staff to enter into fiscal year 2019-20 (FY20) contracts using ten (10) qualified firms selected through SCAG's competitive procurement 19-052). For FY21 (7/1/20 – 6/30/21), staff plans to continue to use the existing ten (10) firms by sending a Request for Offer (RFO) for each IT project or system-related scope of work to the ten (10) firms. This item will not exceed the total \$980,000 as budgeted and approved by the Regional Council unless otherwise approved through the budget amendment process.

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Using contracted resources gives SCAG the ability to quickly increase or decrease specialized and skilled IT resources or meet project demands. This facilitates SCAG’s ability to have more flexibility in technical direction and to implement emerging technologies on an expedited basis.

Staff shall only return to the Regional Council to request additional funding on an as-needed. As in the past, staff also requests to exceed the \$200,000 contract limit per procurement procedures for each individual contract for IT resources, when an individual resource is retained for project support to maintain consistency and effectiveness for up to 5 years. This includes amending a contract beyond \$75,000 or 30% of its original value or beyond the normal \$200,000 RC approval threshold.

BACKGROUND:

Staff recommends executing the following contracts \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
Various IT firms (19-052-C01 through 19-052-C10) and 16-040B-C2 & 16-040B-C4	The various IT firms shall provide technical project resources to complete defined scopes of work for the approved FY21 IT work plan, including some multi-year projects, under contracts 19-052-C01 through 19-052-C10 as well as 16-040B-C2 & 16-040B-C4.	\$980,000

FISCAL IMPACT:

Funding for various IT contracts is available in the FY 2020-21 Overall Work Program Budget and Indirect Cost Budget.

ATTACHMENT(S):

1. Contract Summary 19-052-C01 thru C10 and 16-040B-C2 & 16-040B-C4
2. Contract Summary 19-052-C01 thru C10 and 16-040B-C2 & 16-040B-C4 COI

**CONSULTANT CONTRACT NOS. 19-052-C1 THROUGH 19-052-C10 &
16-040B-C2 and 16-040B-C4**

**Recommended
Consultants:**

22nd Century Technologies, Inc.;
AgreeYa Solutions, Inc.;
Computer Aid, Inc.;
Commercial Programming Systems, Inc.;
Coolsoft, LLC;
Global IT Services, Inc.;
Infojini, Inc.;
Radgov, Inc.;
SATWIC, Inc.; and
Sierra Cybernetics, Inc.
BGBS, Inc.
iBusiness Solution, Inc.

**Background &
Scope of Work:**

Since 2012 SCAG's Information Technology (IT) Division has required project based technical resources to implement the IT work plan in support of SCAG's mission. Since that time the Regional Council (RC) has authorized staff to use these technical resources and return to the RC annually for continued authorization. Staff received the most recent authorization on December 5, 2019, at a special meeting of the Executive/Administration Committee (EAC - Addenda Item No. 5) which authorized staff to enter into fiscal year 2020-21 (FY21) contracts with ten (10) firms (mentioned below) that were competitively procured under contracts 19-052-C01 through 19-052-C10. To ensure that SCAG has sufficient transition time on CRM and GIS related projects, SCAG has extended the terms of two contracts (16-40B-C2 and 16-040B-C4) from the previous 16-040 series IT Bench Contract. For FY21, staff will extend the terms of these ten 19-052 contracts (10 existing contracts, add funds as appropriate based on project needs, and compete for new IT services by issuing Requests for Offer (RFOs) to the ten (10).

Leveraging project-based contracted resources gives SCAG the ability to quickly increase or decrease staffing resources with specialized technical skills. This continues to help expedite project priorities and augments SCAG IT staff as organization needs and technologies evolve. Staff shall continue to return each year to the Regional Council (as it has done since 2012) to request additional funding for future fiscal years. As in the past, staff also requests to exceed the \$200,000 contract limit per procurement procedures for each individual contract for IT resources, when an individual resource is retained for project support to maintain consistency and effectiveness for up to 5 years. This includes amending a contract beyond \$75,000 or 30% of its original value or beyond the normal \$200,000 RC approval threshold.

The approved FY21 IT work plan includes, but is not limited to system development and support related to:

- Enterprise Geographic Information System (EGIS) geodatabases used by SCAG planners, city staff and the public, accessible through SCAG's websites.
- Planning applications, including Inter Governmental Review (IGR), Local Profiles, and others.
- Websites, external and internal, used by staff, partners and the public.

- Administrative systems, such as Financial Management System (FMS), Customer Relationship Management (CRM), and others.
- Scenario Planning Model (SPM) systems used by SCAG staff, and regional partners and the public.

Project’s Benefits & Key Deliverables:

Using IT resources on a contract-by-contract basis gives SCAG the agility to acquire specialized skills to meet varying demands and workloads. This increases SCAG’s effectiveness in deploying new technology, broadens the qualified resource pool, and shortens project delivery time. The work of each IT firm is tied to a specific scope related to a particular system, including agreed deliverables and rates, estimated hours, and schedules.

Strategic Plan:

This item supports SCAG’s Strategic Plan Goal 4: Develop, Maintain and Promote the Utilization of State of the Art Models, Information Systems and Communication Technologies; Objective d: Integrate Advanced Information and Communication Technologies.

Contract Amount:

Total not to exceed \$980,000

To be awarded to eligible firms competitively procured under RFP 19-052 and previously approved by the December 5, 2019, special meeting of the Executive/Administration Committee (EAC - Addenda Item No. 5), for various scopes of work related to IT projects. This procurement action requires as-needed services with firms to be paid a set hourly rate for their services. As such, there is no specific award amount to each firm, nor does SCAG guarantee any specific amount of work to a firm. Therefore, no award amounts are shown below.

- | | |
|---|-----------|
| 1. 22 nd Century Technologies, Inc.; | As Needed |
| 2. AgreeYa Solutions, Inc.; | As Needed |
| 3. Computer Aid, Inc.; | As Needed |
| 4. Commercial Programming Systems, Inc.; | As Needed |
| 5. Coolsoft, LLC; | As Needed |
| 6. Global IT Services, Inc.; | As Needed |
| 7. Infojini, Inc.; | As Needed |
| 8. Radgov, Inc.; | As Needed |
| 9. SATWIC, Inc.; | As Needed |
| 10. Sierra Cybernetics, Inc. | As Needed |

Contract Period:

December 5, 2019 through June 30, 2024

Funding:

Funding for various IT contracts is available in the FY 2020-21 Overall Work Program Budget and Indirect Cost Budget.

Request for Proposal (RFP):

To recap the original solicitation process staff used to procure the ten (10) firms under contracts 19-052-C01 through 19-052-C10, staff originally notified 1,417 firms of the release of RFP 19-052 via SCAG’s Solicitation Management System. A total of 69 firms downloaded the RFP. SCAG received 29 proposals in response to the solicitation. Additional information about the original RFP 19-052 is contained in the December 5, 2019, special meeting of the Executive/Administration Committee (EAC - Agenda Item No. 5)

Selection Process: The Proposal Review Committee (PRC) evaluated each of the proposals originally received in accordance with the criteria set forth in the original RFP 19-052, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations and interviewed the highest ranked offerors. Staff will continue to use this methodology if awarding any new contacts.

Basis for Selection: The PRC recommended each of the ten (10) firms listed above for the contract award based on technical qualifications, breadth and quality of resources, company stability and viability, price and customer references. Any new awards will be based on this same criteria.

**Conflict of Interest Form - Attachment
For September 3, 2020 Regional Council Approval**

For FY21 staff request the Regional Council (RC) to authorize staff to continue to:

- 1) Provide project-based technical resources and approve funding contracts to be referenced as 19-052-C01 through 19-052-C10 and 16-040B-C2 and 16-040B-C4, retroactive to July 1, 2020, with the various firms in an amount not to exceed \$980,000 beginning with FY21 and continuing beyond in to future fiscal years until staff fully expends the \$980,000, (this means staff will only return to the RC to approve additional funding when the \$980,000 is fully expended) and to;
- 2) Exceed the \$200,000 contract limit per procurement procedures for each individual contract for IT resources, when an individual resource is retained for project support for the purpose of maintaining consistency and effectiveness for each project’s duration, up to the 5-year Term of the bench contract. This includes amending a contract beyond \$75,000 or 30% of its original value or beyond the normal \$200,000 RC approval threshold.

The firms for procurement action 19-052-C01 through 19-052-C10 as well as 16-040B-C1 and 16-040B-C4 include:

Firm Name	Did the firm disclose conflict in the Conflict Form they submitted with their original proposal (Yes or No)?
22 nd Century Technologies, Inc.;	No - form attached
AgreeYa Solutions, Inc.;	No - form attached
Computer Aid, Inc.;	No - form attached
Commercial Programing Systems, Inc.;	No - form attached
Coolsoft, LLC;	No - form attached
Global IT Services, Inc.;	No - form attached
Infojini, Inc.;	No - form attached
Radgov, Inc.	No - form attached
SATWIC, Inc.;	No - form attached
Sierra Cybernetics, Inc. Eckersall, LLC	No - forms attached
BGBS, Inc.	No - form attached
iBusiness Solution, Inc.	No - form attached

Attachment: Contract Summary 19-052-C01 thru C10 and 16-040B-C2 & 16-040B-C4 (Contracts \$200,000 or Greater: Contract Nos. 19-052-C1

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: 22nd Century Technologies, Inc.

Name of Preparer: Eva Gaddis-McKnight

Project Title: Administrator

RFP Number: 19-052 Date Submitted: June 24, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Eva Gaddis-McKnight, hereby declare that I am the (position or title) Administrator of (firm name) 22nd Century Technologies, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 24, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

Eva Gaddis-McKnight

Signature of Person Certifying for Proposer
(original signature required)

June 24, 2019

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

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Name of Firm: AgreeYa Solutions, Inc.
Name of Preparer: Ajay Kaul
Project Title: IT Application Development and Support
RFP Number: 19-052 Date Submitted: Jun 24, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

Yes No

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
<hr/>	<hr/>
<hr/>	<hr/>

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

Yes No

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

Yes No

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

Yes No

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

Yes No

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, Ajay Kaul, hereby declare that I am the Managing Partner of AgreeYa Solutions, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 24, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

Jun 24, 2019

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Computer Aid, Inc.

Name of Preparer: Frank Ury

Project Title: Information Technology Application Development Support

RFP Number: 19-052 **Date Submitted:** June 24, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Thomas C. Weaver, hereby declare that I am the (position or title) Executive Vice President of (firm name) Computer Aid, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 6/24/19 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

 _____ Signature of Person Certifying for Proposer (original signature required)	_____ June 24, 2019 Date
--	--------------------------------

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SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

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Name of Firm: Commercial Programming Systems, Inc.
Name of Preparer: Philip Sawyer
Project Title: IT Application Development and Support
RFP Number: RFP No. 19-052 Date Submitted: June 10, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

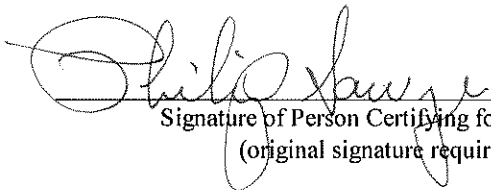
Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Philip Sawyer, hereby declare that I am the (position or title) President/CEO of (firm name) Commercial Programming Systems and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 10, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


June, 10, 2019

 Signature of Person Certifying for Proposer Date
 (original signature required)

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SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

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Name of Firm: COOLSOF LLC

Name of Preparer: Anand Krishnamurthy

Project Title: Information Technology (IT) Application Development and Support

RFP Number: 19-052 Date Submitted: 6/10/2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Anand Krishnamurthy, hereby declare that I am the (position or title) Chief Executive Officer of (firm name) COOLSOFT LLC, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 6/21/2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

6/10/2019

Date

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SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Global IT Services
Name of Preparer: Shavinder Phagura
Project Title: Information Technology (IT) Application Development and Support
RFP Number: (RFP) No. 19-052 **Date Submitted:** June 24, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Shavinder Phagura, hereby declare that I am the (position or title) President of (firm name) Global IT Services, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 24, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

June 24, 2019

Date

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SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal.

Name of Firm: Infojini Inc.
Name of Preparer: Sandeep Harjani
Project Title: Information Technology (IT) Application Development and Support
RFP Number: 19-052 Date Submitted: June 21, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest.

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Sandeep Harjani, hereby declare that I am the (position or title) Director of (firm name) Infojini Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 21, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

June 21, 2019

Date

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SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

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In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: RADgov, Inc.
Name of Preparer: Clarisey Lee
Project Title: Information Technology (IT) Application Development and Support
RFP Number: 19-052 **Date Submitted:** 06/04/2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

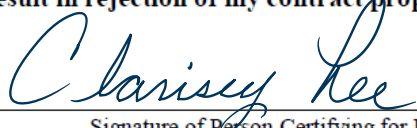
Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Clarisey Lee, hereby declare that I am the (position or title) Contracts Administrator of (firm name) RADgov, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 06/04/2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ 06/04/2019
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Satwic Inc

Name of Preparer: Subbaiah Cherumandanda

Project Title: Information Technology (IT) Application Development and Support.

RFP Number: 19-052 Date Submitted: Jun 24, 2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Subbaiah Cherumandanda, hereby declare that I am the (position or title) President of (firm name) Satwic Inc, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 06/24/2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



June, 24, 2019

Signature of Person Certifying for Proposer
(original signature required)

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Sierra Cybernetics, Inc.
Name of Preparer: Carl LaPlante
Project Title: IT Application Development and Support
RFP Number: 19-052 Date Submitted: 6/24/2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Carl Dean LaPlante, hereby declare that I am the (position or title) President of (firm name) Sierra Cybernetics, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 6/18/2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

Carl LaPlante
Signature of Person Certifying for Proposer
(original signature required)

6/18/2019
Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 19-052

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: ECKERSALL, LLC

Name of Preparer: Scott Eckersall

Project Title: Enterprise GIS Development

RFP Number: 19-052

Date 6/18/2019

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

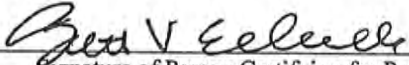
Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Scott Vincent Eckersall, hereby declare that I am the President of ECKERSALL, LLC and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 18, 2019 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 Signature of Person Certifying for Proposer
 (original signature required)

6/18/2019
 Date

NOTICE

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SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 16-040B-C2

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: BGBS, Inc.
Name of Preparer: Arie Levin
Project Title: Microsoft Dynamics CRM Consulting
Date Submitted: 8/21/2020

SECTION II: QUESTIONS

3. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

4. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

9. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering our proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Arie Levin, hereby declare that I am the (position or title) Principal Architect of (firm name) BGBS, Inc., and that I am duly authorized to execute this Validation Statement on behalf of (half of this entity. I hereby state that this SCAG Conflict of Interest Form dated 8/21/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

8/21/2020

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 16-040B-C4

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: iBusiness Solution, LLC

Name of Preparer: Pramod Srivastava

Project Title: Information Technology (IT) Application Support & Maintenance

Date Submitted: 8/20/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO Type text here

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
<u>N/A</u>	<u></u>
<u></u>	<u></u>
<u></u>	<u></u>
<u></u>	<u></u>

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
N/A		

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Pramod Srivastava, hereby declare that I am the (position or title) President of (firm name) iBusiness Solution, LLC, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated _____ is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

Pramod Srivastava 08/20/2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

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Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 19-066-C02,
Aerial Imagery and Related Products and Services - County of
Los Angeles

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 19-066-C02 in an amount not to exceed \$250,000 with County of Los Angeles to provide access to aerial imagery data of its geography, and related products and services for SCAG.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

Under this Contract No. 19-066-C02, the County of Los Angeles shall provide access to aerial imagery data and related products and services to SCAG. This regional imagery acquisition effort is consistent with SCAG's evolving role as a regional data clearinghouse. Access to an aerial imagery and associated data are part of the development of an authoritative regional data resource to support regional and local planning and other related activities.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Vendor/Requisition #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
County of Los Angeles (19-066-C02)	The County of Los Angeles would provide access to aerial imagery data and related products and services to SCAG.	\$250,000

FISCAL IMPACT:

Funding of \$250,000 is available in the FY 2020-21 Overall Work Program (OWP) budget in project

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



number 280-4859.01.

ATTACHMENT(S):

1. Contract Summary 19-066-C02

Consultant Contract No. 19-066-C02

Recommended Vendor:	County of Los Angeles
Background & Scope of Work:	<p>Under this Contract No. 19-066-C02, the County of Los Angeles would provide access to aerial imagery data of its geography, and related products and services to SCAG. This regional imagery acquisition effort is consistent with SCAG’s evolving role as a regional data clearinghouse. Access to an aerial imagery and associated data are part of the development of an authoritative regional data resource to support regional and local planning and other related activities. Under this purchase agreement, the County of Los Angeles will provide aerial imagery and related products and services. SCAG along with other Los Angeles County agencies will benefit from bulk purchasing of 4” aerial/ortho imagery, obliques, infrared imagery, and building outlines.</p>
Project’s Benefits & Key Deliverables:	<p>The project’s benefits consist of base data for the 2020 Decennial Census and Regional Transportation Plan (RTP) 2024 base year. Key deliverables include, but are not limited to:</p> <ul style="list-style-type: none">• Aerial imagery flown in early 2020;• 4” aerial/ortho imagery with infrared for all Los Angeles County (tiff, ecw);• Obliques;• Building Footprints;• Ability to download and retain local copies of above data to use in geographic information systems (GIS) and/or Computer Aided Design (CAD) systems software;• Vendor-hosted online software application for non-GIS users to view data listed above and perform data analysis; and• Training for all participants.
Strategic Plan:	<p>This item supports the following Strategic Plan Goal 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.</p>
Contract Amount:	Total not to exceed \$250,000
Contract Period:	Notice to Proceed through February 28, 2022
Project Number(s):	280-4859.01
	<p>Funding source(s): Senate Bill (SB) 1 Sustainable Communities Formula Grant funds allocated to SCAG under the Caltrans Sustainable Transportation Planning Grant Program. Funding of \$250,000 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 280-4859.01.</p>
Basis for Selection:	<p>In accordance with SCAG’s Contract Manual Section 7.5, dated 04/17/20, and with the Caltrans Local Assistance Procedures Manual, Agreements with Other Governmental Agencies, intergovernmental or inter-entity agreements are encouraged if appropriate if another governmental agency is requested to do work</p>

or provide services. Staff is using this method to gain access to aerial imagery data and related products for Los Angeles County.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 19-066-C02 in an amount not to exceed \$250,000 with the County of Los Angeles to provide access to aerial imagery data of its geography, and related products and services for SCAG.

The vendor for this requisition includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
County of Los Angeles	N/A – governmental entity



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 19-066-C03,
Aerial Imagery and Related Products and Services – County of
Riverside

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 19-066-C03 in an amount not to exceed \$270,000 with the County of Riverside to provide access to aerial imagery data of its geography, and related products and services for SCAG.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

Under this Contract No. 19-066-C03, the County of Riverside would provide access to aerial imagery data of its geography, and related products and services to SCAG. This regional imagery acquisition effort is consistent with SCAG's evolving role as a regional data clearinghouse. Access to an aerial imagery and associated data are part of the development of an authoritative regional data resource to support regional and local planning and other related activities.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
County of Riverside (19-066-C03)	The County of Riverside would provide access to aerial imagery data and related products and services to SCAG.	\$270,000

FISCAL IMPACT:

Funding of \$270,000 is available in the Fiscal Year (FY) 2020-21 Overall Work Program budget in

OUR MISSION

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project number 280-4859.01.

ATTACHMENT(S):

1. Contract Summary 19-066-C03

CONSULTANT CONTRACT NO. 19-066-C03

Recommended Vendor:

County of Riverside

Background & Scope of Work:

Under this Contract No. 19-066-C03, the County of Riverside would provide access to aerial imagery data of its geography, and related products and services to SCAG. This regional imagery acquisition effort is consistent with SCAG’s evolving role as a regional data clearinghouse. Access to an aerial imagery and associated data are part of the development of an authoritative regional data resource to support regional and local planning and other related activities. Under this purchase agreement, the County of Riverside will provide aerial imagery and related products and services. SCAG along with other Los Angeles County agencies will benefit from bulk purchasing of 3” and 6” aerial/ortho imagery, infrared imagery, and building outlines.

Project’s Benefits & Key Deliverables:

The project’s benefits consist of base data for the 2020 Decennial Census and Regional Transportation Plan (RTP) 2024 base year. Key deliverables include, but are not limited to:

- Aerial imagery flown in early summer 2020;
- 3” and 6” aerial/ortho imagery with infrared for Riverside County (tiff, ecw);
- Building Footprints;
- Ability to download and retain local copies of above data to use in geographic information systems (GIS) and/or Computer Aided Design (CAD) systems software;
- Vendor-hosted online software application for non-GIS users to view data listed above and perform data analysis; and
- Training for all participants.

Strategic Plan:

This item supports the following Strategic Plan Goal 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

Contract Amount:

Total not to exceed

\$270,000

Contract Period:

Notice to Proceed through February 28, 2022

Project Number(s):

280-4859.01

Funding source(s): Senate Bill (SB) 1 Sustainable Communities Formula Grant funds allocated to SCAG under the Caltrans Sustainable Transportation Planning Grant Program. Funding of \$270,000 will be available in the FY 2020-21 OWP budget.

Basis for Selection:

In accordance with SCAG’s Contract Manual Section 7.5, dated 04/17/20, and with the Caltrans Local Assistance Procedures Manual, Agreements with Other Governmental Agencies, intergovernmental or inter-entity agreements are encouraged if appropriate if another governmental agency is requested to do work or provide services. Staff is using this method to gain access to aerial imagery data and related products for Los Angeles County.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 19-066-C03 in an amount not to exceed \$270,000 with the County of Riverside to provide access to aerial imagery data of its geography, and related products and services for SCAG.

The vendor for this requisition includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
County of Riverside	N/A – governmental entity



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 20-050-C01, El
Monte Vision Zero Action Plan

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 20-050-C01 in an amount not to exceed \$232,784 with KTU&A to develop a Vision Zero Action Plan (VZAP) for the City of El Monte, that will define, develop, and recommend implementation activities supporting a Vision Zero approach to multimodal transportation systems planning, policy and programs.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The consultant will establish community goals for the City of El Monte’s transportation system, including context sensitive designs and traffic speeds appropriate for enhancing safety and mobility for all system users. The consultant will review current conditions and practices, and work with community stakeholders to establish clear goals, objectives, and action steps to achieve the shared goal of zero fatalities and serious injuries on the City’s transportation system.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u> <u>(not to exceed)</u>
KTU&A (20-050-C01)	The consultant shall develop a Vision Zero Action Plan (VZAP) for the City of El Monte.	\$232,784

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FISCAL IMPACT:

Funding of \$232,784 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

ATTACHMENT(S):

1. Contract Summary 20-050-C01
2. Contract Summary 20-050-C01 COI

CONSULTANT CONTRACT NO. 20-050-C01

Recommended Consultant:

KTU&A

Background & Scope of Work:

The consultant shall provide services as part of the Sustainability Community Program for the City of El Monte (City). The consultant shall develop a Vision Zero Action Plan (VZAP) that will define, develop, and recommend implementation activities supporting a Vision Zero approach to multimodal transportation systems planning, policy and programs. Vision Zero acknowledges that transportation system fatalities and severe injuries are preventable and providing accessibility for all is imperative. The planning process shall establish community goals for the City’s transportation system, including context sensitive designs and traffic speeds appropriate for enhancing safety and mobility for all system users. The consultant will review current conditions and practices, and work with community stakeholders to establish clear goals, objectives, and action steps to achieve the shared goal of zero fatalities and serious injuries on the City’s transportation system.

The consultant will prepare a Vision Zero Action Plan (VZAP) that advances the City’s established goal of eliminating traffic fatalities and serious injuries on City streets by the year 2027. This specific goal was adopted by City Council in February 2017. The goal’s corresponding objectives include: (1) adopting a Vision Zero Plan to reduce traffic fatalities to zero by 2027, (2) establishing a Vision Zero Advisory Committee, and (3) engaging with school officials to encourage their participation in City’s Vision Zero Advisory Committee.

Project’s Benefits & Key Deliverables:

The project’s benefits and key deliverables include, but are not limited to:

- Considering Vision Zero best practices including policies, programs and strategies that are successful in other jurisdictions and applicable to the City of El Monte;
- Coordinating with existing road safety efforts underway in the City and Vision Zero initiatives throughout the SCAG region;
- Engaging community stakeholders in setting the priorities for investment in Vision Zero strategies;
- Identifying partnership opportunities with public, private and non-profit organizations to advance Vision Zero strategies in the City; and
- Refining existing and propose new metrics to track VZAP progress towards Vision Zero.

Strategic Plan:

This item supports SCAG’s Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

Contract Amount:

Total not to exceed	\$232,784
KTU&A (prime consultant)	\$150,541
Circulate Planning (subconsultant)	\$49,115
Evari GIS Consulting, Inc. (subconsultant)	\$33,128

Note: KTU&A originally proposed \$249,447, but staff negotiated the price down to \$232,784 without reducing the scope of work.

Contract Period: Notice to Proceed through June 30, 2022

Project Number(s): 275-4823U7.05 \$206,084
275-4823E.05 \$26,700

Funding source(s): Senate Bill 1 (FY20 SB1 Formula Funds) and Transportation Development Act (TDA).

Funding of \$232,784 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

Request for Proposal (RFP): SCAG staff notified 1,956 firms of the release of RFP 20-050 via SCAG’s Solicitation Management System website. A total of 43 firms downloaded the RFP. SCAG received the following five (5) proposals in response to the solicitation:

KTU&A (2 subconsultants)	\$249,447
TJKM Transportation (1 subconsultant)	\$98,720
Nelson/Nygaard (no subconsultants)	\$127,374
Alta Planning + Design, Inc. (2 subconsultants)	\$249,789
KOA Corporation (1 subconsultant)	\$249,955

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the three (3) highest ranked offerors.

The PRC consisted of the following individuals:

Courtney Aguirre, Program Manager II, SCAG
Leonardo Torres, City Engineer, City of El Monte
Sarah Zadok, Transportation Operations Manager, City of El Monte

Basis for Selection: The PRC recommended KTU&A for the contract award because the consultant:

- Demonstrated the best understanding of the project, specifically the need to address improving transportation safety via infrastructure and non-infrastructure projects and programs, with sensitivity to engaging disadvantaged community members;
- Recognized that a potential digital divide may make community engagement more challenging at this time and identified strategies for overcoming this challenge (e.g., radio ads, phone calls, direct mailers, and collaboration with trusted community-based organizations);
- Demonstrated the best understanding of local context, including existing transportation safety and active transportation plans, projects, and efforts (e.g., sidewalk inventory), and noted that safety may require a more expansive definition if community members are concerned about personal safety;

- Demonstrated significant experience working on transportation safety plans (e.g., Vision Zero Action Plans, and Systemic Safety Analysis Reports); and
- Recognized the importance of providing City staff with resources (e.g., Vision Zero dashboard) to facilitate analysis of data.

Although other firms proposed lower prices, the PRC did not recommend these firms for contract award because, these firms did not clearly demonstrate a sufficient level of effort, primarily in the form of staff hours (and especially in the area of outreach), to satisfactorily complete the tasks in the Scope of Work

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 20-050-C01 in an amount not to exceed \$232,784 with KTU&A to develop a Vision Zero Action Plan (VZAP) that will define, develop, and recommend implementation activities supporting a Vision Zero approach to multimodal transportation systems planning, policy and programs.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
KTU&A (prime consultant)	No - form attached
Circulate Planning (sub consultant)	No - form attached
Evari GIS Consulting, Inc. (sub consultant)	No – form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-050

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: KTU&A
Name of Preparer: Joe Punsalan
Project Title: City of El Monte Vision Zero Action Plan
RFP Number: 20-050 **Date Submitted:** 5/6/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If “yes,” please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If “yes,” please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If “yes,” please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Joe Punsalan, hereby declare that I am the (position or title) Principal of (firm name) KTU&A, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 4/27/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ Date 4/27/2020
 Signature of Person Certifying for Proposer (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-050

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Evri GIS Consulting, Inc.

Name of Preparer: Ari Isaak

Project Title: City of El Monte Vision Zero Action Plan

RFP Number: 20-050 Date Submitted: 04/20/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Ari Isaak, hereby declare that I am the (position or title) Chief Executive Officer / Founder of (firm name) Evari GIS Consulting, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 04/20/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


04/20/2020

 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-050

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Circulate San Diego
Name of Preparer: Colin Parent
Project Title: City of El Monte Vision Zero Action Plan
RFP Number: 20-050 Date Submitted: 5/6/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Colin Parent, hereby declare that I am the (position or title) Executive Director of (firm name) Circulate San Diego, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 4/30/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


4/30/2020

 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 20-052-C01, La
Puente Safe Routes to School Master Plan

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 20-052-C01 in an amount not to exceed \$239,946 with Alta Planning + Design, Inc. to develop a citywide Safe Routes to School (SRTS) Master Plan for the City of La Puente.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The consultant will develop a citywide Safe Routes to School (SRTS) Master Plan. The SRTS Master Plan (Plan) will encourage and promote students to walk or bike to school, resulting in the prioritization of safety and improvements required to be planned to increase the use of active transportation. The Plan will reference local and regional active transportation and Safe Routes to School plans and will serve as a model for other planning efforts in the region.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount (not to exceed)</u>
Alta Planning (20-052-C01)	The consultant shall develop a citywide SRTS Plan for the City of La Puente.	\$239,946

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To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

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FISCAL IMPACT:

Funding of \$239,946 is available in the FY 2020-21 Overall Work Program budget in project number 225-4837.01.

ATTACHMENT(S):

1. Contract Summary 20-052-C01
2. Contract Summary 20-052-C01 COI

CONSULTANT CONTRACT NO. 20-052-C01

Recommended Consultant: Alta Planning + Design, Inc. (Alta Planning)

Background & Scope of Work: The consultant shall provide services for a Sustainability Planning Grant for the City of La Puente (City). Specifically, the consultant shall develop a citywide Safe Routes to School (SRTS) Master Plan. The SRTS Master Plan (Plan) will encourage and promote students to walk or bike to school, resulting in the prioritization of safety and improvements required to be planned to increase the use of active transportation. The Plan will reference local and regional active transportation and Safe Routes to School plans and will serve as a model for other planning efforts in the region.

Project's Benefits & Key Deliverables: The project's benefits and key deliverables include, but are not limited to:

- Improving mobility for parents, school-age students and the school community walking and biking in and around the City by providing a comprehensive Safe Routes to School Plan;
- Improving access to walking and bicycling for recreation or commuting and infrastructure for non-motorized transportation to schools, while decreasing the City's high levels of obesity and diabetes;
- Providing a variety of safety improvements and connectivity to transit facilities, points of interest, and parks within the school boundary limits; and
- Providing multilingual inclusive community engagement, using traditional and non-traditional approaches, by determining and identifying solutions that meet the needs of pedestrians and bicyclists connecting to the surrounding region.

Strategic Plan: This item supports SCAG's Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

Contract Amount:	Total not to exceed	\$239,946
	Alta Planning (prime consultant)	\$148,717
	ActiveSGV (subconsultant)	\$91,229

Note: Alta Planning originally proposed \$249,939, but staff negotiated the price down to \$239,946 without reducing the scope of work.

Contract Period: Notice to Proceed through June 30, 2022

Project Number(s): 225-4837X3.01 \$189,946
225-4837V5.01 \$50,000

Funding source(s): SCAG 2017 Active Transportation Local Planning Initiative (FY19 ATP Formula Funds) and City Cash Match.

Funding of \$239,946 is available in the FY 2020-21 Overall Work Program budget in project number 225-4837.01.

Request for Proposal (RFP):

SCAG staff notified 1,946 firms of the release of RFP 20-052 via SCAG’s Solicitation Management System website. A total of 38 firms downloaded the RFP. SCAG received the following five (5) proposals in response to the solicitation:

Alta Planning (1 subconsultant)	\$249,939
Nelson/Nygaard Consulting Associates, Inc (1 subconsultant)	\$199,899
KOA Corporation (2 subconsultants)	\$232,294
Toole Design Group, LLC (3 subconsultants)	\$252,590
MGT of America Consulting, LLC (1 subconsultant)	\$445,435

Selection Process:

The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the three (3) highest ranked offerors.

The PRC consisted of the following individuals:

Dorothy Le Suchkova, Senior Regional Planner, SCAG
John DiMario, Director of Development Services, City of La Puente
Vanessa Munoz, Traffic Engineer, City of La Puente

Basis for Selection:

The PRC recommended Alta Planning for the contract award because the consultant:

- Demonstrated the best understanding of the project, specifically the City of La Puente’s history, background, and strategies in hard to reach populations and creating Safe Routes to School champions; regional transportation context specifically supporting smaller cities in obtaining funding and ultimately supporting regional transportation;
- Has the most relevant work experience on projects of similar size and scope, specifically the San Gabriel Valley Regional Bicycle Master Plan, Santa Ana Safe Routes to School Program, and Pico Rivera non-infrastructure programming;
- Demonstrated the best technical approach, their Project Team and culturally competent community and stakeholder engagement strategy;
- Demonstrated the most efficient project management processes, utilizing a collaborative project management software program; and
- Provided the best overall value for the level of effort proposed. While the overall proposed budget is higher than two other proposers, the cost per hour is significantly lower. This means that significantly more time will be dedicated to this project at a better per-hour value.

Although two other firms proposed a lower price, the PRC did not recommend these firms for contract award since these firms:

- Did not demonstrate the same level of creativity and innovation within their proposed technical approach. The lower-priced proposals lacked the more context-sensitive and graphical communications of Alta’s proposal; and

- Did not demonstrate the level of familiarity, breadth of experience, especially with projects of similar scope and size, with the project type as did the selected consultant.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 20-052-C01 in an amount not to exceed \$239,946 with Alta Planning + Design, Inc. (Alta Planning) to develop a citywide Safe Routes to School (SRTS) Master Plan.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
Alta Planning (prime consultant)	No - form attached
ActiveSGV (sub consultant)	No - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-052

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Alta Planning + Design, Inc.
Name of Preparer: Greg Maher, Vice President
Project Title: La Puente Safe Routes to School Master Plan
RFP Number: 20-052 **Date Submitted:** 4/9/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Greg Maher, hereby declare that I am the (position or title) Vice President of (firm name) Alta Planning + Design, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 4/9/20 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ Date 4/9/20
 Signature of Person Certifying for Proposer (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-052

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Community Partners
Name of Preparer: Angelina Gonzalez, Sr. Contracts and Grants Associate
Project Title: La Puente Safe Routes to School Master Plan
RFP Number: 20-052 **Date Submitted:** _____

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Mamie Funahashi, hereby declare that I am the (position or title) Chief Financial Officer of (firm name) Community Partners, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 04/02/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

DocuSigned by:

 0FC813CB842F408...
 _____ 4/2/2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 20-074-C01,
Palmdale Avenue Q from Sierra Highway to 20th Street East
Complete Streets Project

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 20-074-C01 in an amount not to exceed \$224,753 with Toole Design Group, LLC (Toole Design) to develop a regional corridor plan to improve the state of active transportation infrastructure in the City of Palmdale.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The consultant will develop a multi-modal preliminary corridor plan that can be made ready to be merged into a Project Initiation Document (PID) to enhance pedestrian and bicycle flow on Avenue Q and consider planning level shade recommendations throughout the corridor. The Project will provide a framework for potential roadway widening and sidewalk improvements that will promote walking as a viable form of safe and active transportation. This plan will allow for continuous bike lanes and sidewalk along the entire stretch of the project area.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
Toole Design (20-074-C01)	The consultant shall develop a regional corridor plan in the City of Palmdale.	\$224,753

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



FISCAL IMPACT:

Funding of \$224,753 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

ATTACHMENT(S):

1. Contract Summary 20-074-C01
2. Contract Summary 20-074-C01 COI

CONSULTANT CONTRACT NO. 20-074-C01

Recommended Consultant:

Toole Design Group, LLC

Background & Scope of Work:

The consultant will develop a multi-modal preliminary corridor plan that can be made ready to be merged into a Project Initiation Document (PID) to enhance pedestrian and bicycle flow on Avenue Q and consider planning level shade recommendations throughout the corridor. The Project will provide a framework for potential roadway widening and sidewalk improvements that will promote walking as a viable form of safe and active transportation. This plan will allow for continuous bike lanes and sidewalk along the entire stretch of the project area.

Although most of the corridor is within the City of Palmdale, it will require multijurisdictional and regional coordination between several different agencies including: The County of Los Angeles, the Los Angeles Sheriff's Department, and the Antelope Valley Transit Authority. Portions of Avenue Q are within County of Los Angeles unincorporated areas, which will require a regional partnership effort. In addition, important regional planning, implementation and other regional considerations are the Palmdale Transportation Center (future High Speed Rail station), High Desert Corridor (13-mile bike trail corridor) and the Palmdale Regional Airport.

Avenue Q is a major arterial street in the City of Palmdale. The project is designed to meet the needs of the surrounding community and visitors to the region and will serve as model for other cities in the region seeking to improve active transportation. The close proximity of the Palmdale Transportation Center generates a significant amount of traffic from the nearby residences and visitors. With the proposed planning of bike lanes and the addition of sidewalks planned by this project, both pedestrian and bicycle traffic will be encouraged and facilitated.

Project's Benefits & Key Deliverables:

The project's benefits and key deliverables include, but are not limited to:

- Improving multimodal connection via Avenue Q in the City of Palmdale to major destinations and activity centers, with regional significance, including the Palmdale Transportation Center (future High Speed Rail station), High Desert Corridor (13-mile bike trail corridor) and the Palmdale Regional Airport;
- Improving economic development opportunities and land-use recommendations to support a multimodal transportation hub;
- Improving access to walking and bicycling for recreation or commuting, through context sensitive shade, safety, and connectivity assessments and analysis; and
- Through multilingual inclusive community engagement, using traditional and non-traditional approaches, the project will determine and identify solutions to meet the multi-mobility needs for people in the City and connecting to the surrounding region.

Strategic Plan:

This item supports SCAG's Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4: Provide innovative information and

value-added services to enhance member agencies' planning and operations and promote regional collaboration.

Contract Amount:	Total not to exceed	\$224,753
	Toole Design Group, LLC (prime consultant)	\$127,775
	Raimi + Associates (subconsultant)	\$41,119
	Arellano Associates (subconsultant)	\$55,859

Note: Toole Design originally proposed \$238,483, but staff negotiated the price down to not to exceed \$224,753 without reducing the scope of work.

Contract Period: Notice to Proceed through December 31, 2021

Project Number(s):	275-4823U7.05	\$198,974
	275-4823E.05	\$25,779

Funding source(s): Senate Bill 1 (FY20 SB1 Formula Funds) and Transportation Development Act (TDA).

Funding of \$224,753 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

Request for Proposal (RFP): SCAG staff notified 3,612 firms of the release of RFP 20-074 via SCAG's Solicitation Management System website. A total of 71 firms downloaded the RFP. SCAG received the following eleven (11) proposals in response to the solicitation:

Toole Design Group, LLC (1 subconsultant)	\$238,483
David Evans & Associates, Inc. (1 subconsultant)	\$186,126
ARUP North America (2 subconsultants)	\$195,877
Iteris, Inc. (2 subconsultants)	\$198,127
Kimley-Horn (1 subconsultant)	\$199,843
KTUA (1 subconsultant)	\$199,989
Kritzinger + RAO (2 subconsultants)	\$248,012
KOA (2 subconsultants)	\$249,420
Chen Ryan Associates (2 subconsultants)	\$249,976
Alta Planning & Design, Inc. (2 subconsultants)	\$299,359
Forma Design, Inc. (2 subconsultants)	\$310,433

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the four (4) highest ranked offerors.

The PRC consisted of the following individuals:

Dorothy Le Suchkova, Senior Regional Planner, SCAG
Megan Taggart, Senior Planner, City of Palmdale
Clarence "Skip" Smith, Jr., Assistant Planner, City of Palmdale
Cuong Phu Trinh, Senior Transportation Planner, Caltrans District 7

Basis for Selection:

The PRC recommended Toole Design Group, LLC for the contract award because the consultant:

- Demonstrated the best understanding of the project, specifically strategies for underserved and Spanish-speaking populations with lower access or comfort level to internet and digital devices (fully bilingual engagement program, translation of concept designs into Spanish), and regional transportation context specifically approaching the potential recommendations and associated trade-offs with phasing, and ultimately supporting regional transportation;
- Demonstrated the best technical approach, in particular their strong understanding land-use, zoning and development and relationship to transportation, accessible, visually appealing and user-friendly graphics, and culturally competent, flexible and adaptable community and stakeholder engagement strategy using a mix of digital, in-person, and low-tech strategies, and;
- Demonstrated the most effective project management, quality assurance and quality control, and budgeting processes, utilizing a real time accounting and cost software program, clear and functional project team roles, collaborative communication structure, and adaptable schedule within scope and budget.

Although other firms proposed a lower price, the PRC did not recommend these firms for contract award since the lower priced firms:

- Lacked the combination and balance of technical expertise and culturally competent community engagement (ie. not as thorough demographic analysis or accommodations for a breadth of digital, phone, paper-based and interactive engagement to be effective during COVID-19 public health guidance) as did Toole's proposal; and
- Lacked technical expertise and understanding of project trade-offs and potential challenges within the project scope.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 20-074-C01 in an amount not to exceed \$224,753 with Toole Design Group, LLC (Toole Design) to develop a regional corridor plan to improve the state of active transportation infrastructure in the City of Palmdale.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
Toole Design Group, LLC (prime consultant)	Yes - form attached
Arellano Associates (subconsultant)	No – form attached
Raimi + Associates (subconsultant)	No – form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-074

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Toole Design Group, LLC
Name of Preparer: Angela Nelson
Project Title: City of Palmdale: Avenue Q from Sierra Highway to 20th Street East Complete Streets Project.
RFP Number: No. 20-074 **Date Submitted:** 6/9/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
<hr/>	<hr/>
<hr/>	<hr/>

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
Hon. Mike Bonin	2017	\$100
Hon. Eric Garcetti	2017	\$200
*A hired manager of a local office made these contributions prior to employment with Toole Design.		

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Jennifer Toole, AICP, ASLA, hereby declare that I am the (position or title) President of (firm name) Toole Design Group, LLC, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated _____ is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



6/9/2020

Signature of Person Certifying for Proposer
(original signature required)

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-074

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Raimi + Associates
Name of Preparer: Matt Raimi, Principal/CEO
Project Title: City of Palmdale: Ave Q from Sierra HWY to 20th St East Complete Streets Project
RFP Number: No. 20-074 **Date Submitted:** 6/9/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
N/A		

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
N/A	

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
N/A	

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
N/A		

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Matt Raimi, hereby declare that I am the (position or title) President/CEO of (firm name) Raimi + Associates, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 5/27/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer (original signature required) 5/27/2020 _____
Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-074

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Arellano Associates

Name of Preparer: Genoveva L. Arellano

Project Title: City of Palmdale: Avenue Q from Sierra Highway to 20th Street East Complete Streets Project.

RFP Number: No. 20-074 Date Submitted: 6/9/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Genoveva L. Arellano, hereby declare that I am the (position or title) Principal of (firm name) Arellano Associates, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 9, 2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

June 9, 2020

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 20-076-C01,
Cities of Pasadena and Azusa Pedestrian Master Plans

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 20-076-C01 in an amount not to exceed \$336,684 with Toole Design Group, LLC (Toole Design) to develop a comprehensive Pedestrian Master Plan (Plan) for the cities of Pasadena and Azusa (Cities).

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The consultant will develop Plans that will include robust technical analysis to develop a safe and comfortable walkable network within each City, engage historically underrepresented and non-traditional stakeholders, and analyze connections to key destinations and access to regional economic opportunities and essential services. The Plans will contribute to regional goals to increase the percentage of local trips made by walking, reduce GHG emissions and vehicle miles traveled (VMT) in each of the Cities, increase awareness for active transportation, and plan for safe connections between essential destinations in the Cities.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
Toole Design (20-076-C01)	The consultant shall develop a comprehensive Pedestrian Master Plan in each of the Cities.	\$336,684

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



FISCAL IMPACT:

Funding of \$336,684 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

ATTACHMENT(S):

1. Contract Summary 20-076-C01
2. Contract Summary 20-076-C01 COI

CONSULTANT CONTRACT NO. 20-076-C01

Recommended Consultant: Toole Design Group, LLC

Background & Scope of Work: The consultant shall develop a comprehensive Pedestrian Master Plan (Plan) for the cities of Pasadena and Azusa (Cities). The consultant shall develop a Plan that provides a safe, comfortable, and walkable pedestrian network within each city, engage historically underrepresented and non-traditional stakeholders, and analyze connections to key destinations and access to regional opportunities and services. The Plans will contribute to regional goals to increase the percentage of local trips made by walking, reduce GHG emissions and vehicle miles traveled (VMT) in each of the Cities, increase awareness for active transportation, and plan for safe connections between essential destinations in the Cities.

Project’s Benefits & Key Deliverables: The project’s benefits and key deliverables include, but are not limited to:

- Developing a comprehensive Pedestrian Master Plan in each of the Cities to identify a safe, comfortable walking network to support pedestrian safety and active transportation;
- Engaging local community members through robust public engagement and conduct walk audits to identify priority improvement areas in each City; and
- Developing a set of priority recommendations, proposed costs, as well as a funding and implementation strategy to prioritize improvements and identify funding opportunities.

Strategic Plan: This item supports SCAG’s Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

Contract Amount:	Total not to exceed	\$336,684
	Toole Design Group, LLC (prime consultant)	\$147,858
	KOA (subconsultant)	\$66,264
	ActiveSGV (subconsultant)	\$66,357
	Day One (subconsultant)	\$56,205

Note: Toole Design originally proposed \$380,343, but staff negotiated the price down to \$336,684 without reducing the scope of work.

Contract Period: Notice to Proceed through February 28, 2022

Project Number(s): 275-4823U7.05 (FY20 SB1) \$298,066
275-4823E.05 (TDA) \$38,618

Funding source(s): Senate Bill 1 (FY20 SB1 Formula Funds) and Transportation Development Act (TDA).

Funding of \$336,684 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 275-4823.05.

Request for Proposal (RFP): SCAG staff notified 2,939 firms of the release of RFP 20-076 via SCAG’s Solicitation Management System website. A total of 61 firms downloaded the RFP. SCAG received the following seven (7) proposals in response to the solicitation:

Toole Design Group, LLC (1 subconsultant)	\$380,343
Alta Planning & Design, Inc. (1 subconsultant)	\$353,300
Chen Ryan Associates (1 subconsultant)	\$399,988
IBI Group (2 subconsultants)	\$419,982
KTUA (2 subconsultants)	\$463,467
Nelson Nygaard Consulting Associates (3 subconsultants)	\$499,702
M. Arthur Gensler (2 subconsultants)	\$687,402

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the two (2) highest ranked offerors.

The PRC consisted of the following individuals:

Hannah Brunelle, Associate Regional Planner, SCAG
Rich Dilluvio, Principal Planner, City of Pasadena
Matt Marquez, Director of Economic & Community Development, City of Azusa
Cuong Phu Trinh, Senior Transportation Planner, Caltrans District 7

Basis for Selection: The PRC recommended Toole Design Group, LLC for the contract award because the consultant:

- Demonstrated the best understanding and intent of the project, specifically they demonstrated the most relevant experience delivering pedestrian master plans, demonstrating a strong technical analysis coupled with robust community engagement. The team identified data sources, partnered with local organizations on the project team, and researched existing plans and policies in the Cities, demonstrating a readiness to begin the project;
- Demonstrated the strongest integration of sub-consultants and attention to detail in the schedule to complete the project on time and meet the objectives outlined in the RFP by integrating multiple sub-consultants to work on tasks concurrently;
- The team demonstrated the best approach of community engagement and specifically prioritizing underserved and vulnerable populations by describing specific outreach strategies to reach disadvantaged populations, considering COVID-19. The outreach strategies included partnering with existing organizations and co-hosting meetings;
- Specifically stated that an equity framework is essential and the focus on centering people guides their work; and
- Provided the best technical approach by providing specific level of detail in their proposal and interview, and specifically stating the types of data and issues they will analyze for the project.

Although one other firm proposed a lower price, the PRC did not recommend this firm for contract award because this firm:

- Did not demonstrate in as much detail for how they would specifically adjust their outreach strategies for reaching vulnerable populations and people without access to broadband during the project, considering COVID 19;
- Did not propose a comprehensive strategy to the overall project, specifically demonstrating the same focus on developing a plan ready for implementation as Toole; and
- Did not have as comprehensive an integration between the engagement, technical analysis, and project recommendations, and did not sufficiently articulate the feedback loop between engagement and implementation.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 20-076-C01 in an amount not to exceed \$336,684 with Toole Design Group, LLC (Toole Design) to develop comprehensive Pedestrian Master Plans (Plans) for the Cities of Pasadena and Azusa (Cities).

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
Toole Design Group, LLC (prime consultant)	Yes - form attached
UCLA (subconsultant)	No - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-076

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Toole Design Group, LLC

Name of Preparer: Megan Eby, CPSM

Project Title: Cities of Pasadena and Azusa Pedestrian Master Plans

RFP Number: No. 20-076 **Date Submitted:** 06.24.2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
<hr/>	<hr/>
<hr/>	<hr/>

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
Hon. Mike Bonin	2017	\$100
Hon. Eric Garcetti	2017	\$200

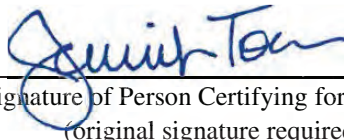
*a hired manager of a local office made these contributions prior to employment at Toole Design.

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Jennifer L. Toole, AICP, ASLA, hereby declare that I am the (position or title) President of (firm name) Toole Design Group, LLC, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 24, 2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.



Signature of Person Certifying for Proposer
(original signature required)

June 24, 2020

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-076

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: KOA Corporation

Name of Preparer: Carlos Velasquez, AICP

Project Title: Cities of Pasadena and Azusa Pedestrian Master Plans

RFP Number: 20-076 **Date Submitted:** June 25, 2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Min Zhou, PE, hereby declare that I am the (position or title) CEO/President of (firm name) KOA Corporation, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated June 25, 2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


June 25, 2020

Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-076

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Community Partners fbo Active San Gabriel Valley

Name of Preparer: Angelina Gonzalez

Project Title: Cities of Pasadena and Azusa Pedestrian Master Plans

RFP Number: 20-076 **Date Submitted:** _____

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Mamie Funahashi, hereby declare that I am the (position or title) Chief Financial Officer of (firm name) Community Partners, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 6/10/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

DocuSigned by:

 0FC813CD842F468...
 _____ 6/10/2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-076

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Day One Inc.
Name of Preparer: Christy Zamani, Day One Executive Director
Project Title: Cities of Pasadena and Azusa Pedestrian Master Plans
RFP Number: No. 20-076 **Date Submitted:** 06.24.2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
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_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
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_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Christy Zamani, hereby declare that I am the (position or title) Executive Director of (firm name) Day One, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 06/16/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


June 16, 2020

Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contract No. 20-082, City of
Cerritos Remote Services Enhancement Project

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 20-082-C01 in an amount not to exceed \$501,209 with HR Green, Inc. to assist in the installation and configuration of the online permitting and licensing software program for the City of Cerritos, subject to final review by Internal Audit.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy. 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The consultant shall install and configure the software and equipment, including a full upgrade to the new software system, for the City of Cerritos to modernize the planning, permitting, business licensing, and code enforcement processes. By integrating this new technology, the project will help achieve greenhouse gas reduction targets, accelerate housing construction, and minimize in-person interactions.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
HR Green, Inc.	The selected consultants shall assist in the installation and configuration of the online permitting and licensing software program.	\$501,209

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



FISCAL IMPACT:

Funding of \$501,209 is available in the FY 2020-21 Overall Work Program (OWP) in projects 280-4824.01, 280-4824.02 and 300-4872.01.

ATTACHMENT(S):

1. Contract Summary 20-082-C01
2. Contract Summary 20-082-C01 COI

CONSULTANT CONTRACT NO. 20-082-C01

Recommended Consultant:	HR Green, Inc.								
Background & Scope of Work:	<p>The City of Cerritos is participating in SCAG’s Future Communities Pilot Program (FCPP) to implement a new online permitting and licensing software program. It will provide online self-service related to planning, permitting, business licensing, and code enforcement, allowing customers to participate in the planning review process remotely and reducing vehicle trips to City Hall, ultimately reducing greenhouse gas emissions (GHG) and vehicle miles traveled (VMT). The Consultant shall install and configure the software and equipment, including a full upgrade to the new software system. This transition will include back office, online, and mobile application work, with major tasks as following:</p> <ol style="list-style-type: none">1. Upgrade existing permitting/planning software (Hansen 7) to the latest version (IPS 11), including data migration.2. Migrate business license data and processes from Knowles-McNiff to IPS 11.3. Configure and launch an online customer portal.								
Project’s Benefits & Key Deliverables:	<p>The project’s benefits and key deliverables include, but are not limited to:</p> <ul style="list-style-type: none">• Reduction of GHG and VMT through the application of new technologies to improve air quality and traffic congestion;• Successful deployment of an online customer portal that can be evaluated and replicated throughout the region;• Implementation of an online system that responds to the COVID-19 pandemic, removing the need for in-person trips to City Hall; and• Significant improvements to the development review process, streamlining housing construction to accelerate housing growth and economic recovery.								
Strategic Plan:	<p>This item supports SCAG’s Strategic Plan Goals: 1. Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2. Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4. Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.</p>								
Contract Amount:	<table border="0" style="width: 100%;"><tr><td style="width: 50%;">Total not to exceed</td><td style="text-align: right;">\$501,209</td></tr><tr><td>HR Green, Inc. (prime consultant)</td><td style="text-align: right;">\$169,437</td></tr><tr><td>Holistic System Integration Solutions (subconsultant)</td><td style="text-align: right;">\$128,701</td></tr><tr><td>SDI Presence LLC (subconsultant)</td><td style="text-align: right;">\$203,071</td></tr></table>	Total not to exceed	\$501,209	HR Green, Inc. (prime consultant)	\$169,437	Holistic System Integration Solutions (subconsultant)	\$128,701	SDI Presence LLC (subconsultant)	\$203,071
Total not to exceed	\$501,209								
HR Green, Inc. (prime consultant)	\$169,437								
Holistic System Integration Solutions (subconsultant)	\$128,701								
SDI Presence LLC (subconsultant)	\$203,071								
Contract Period:	Notice to Proceed through November 30, 2021								

Project Number(s):	280-4824U3.01 (FY18 SB1)	\$84,045
	280-4824E.01 (FY18 SB1)	\$10,889
	280-4824U5.02 (FY19 SB1)	\$75,308
	280-4824E.02 (FY19 SB1)	\$9,758
	280-4824W1.02 (MSRC)	\$31,000
	300-4872Y0.01 (REAP)	\$131,809
	280-4824R8.02 (Cash Match, City)	\$158,400

Funding source(s): Senate Bill 1 (FY18 and FY19 SB1 Formula Funds), Mobile Source Air Pollution Reduction Review Committee (MSRC), California Department of Housing and Community Development (Regional Early Action Planning (REAP) Funds), and City of Cerritos (cash match).

Funding of \$501,209 is available in the FY 2020-21 Overall Work Program (OWP) in projects 280-4824.01, 280-4824.02 and 300-4872.01.

Request for Proposal (RFP): SCAG staff notified 3,098 firms of the release of RFP 20-082-C01 via SCAG’s Solicitation Management System website. A total of 32 firms downloaded the RFP. SCAG received the following two (2) proposals in response to the solicitation:

HR Green, Inc. (2 subconsultants)	\$501,209
The Arcanum Group (1 subconsultant)	\$704,475

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the highest ranked offeror.

The PRC consisted of the following individuals:

- Marisa Laderach, Associate Regional Planner, SCAG
- Aaron Benjamin, Information Technology Manager, City of Cerritos
- Robert A. Lopez, Manager of Current Planning Division, City of Cerritos
- Chao Wei, Senior Transportation Engineer, Caltrans District 7

Basis for Selection: The PRC recommended HR Green, Inc. for the contract award because the consultant:

- Demonstrated an excellent understanding of the project, focusing on the intent of the project and the overall Future Communities Pilot Program;
- Provided the best technical approach, one that integrated change management practices, agile workflows, and an extensive data migration process;
- Demonstrated significant experience on projects of similar size and scope with many municipal agencies;
- Proposed a knowledgeable team of experts to align their broad range of expertise with the scope of work;
- Provided the best overall value for the level of effort proposed; and
- Proposed the lowest price.

**Conflict Of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 20-082-C01 in an amount not to exceed \$501,209 with HR Green, Inc. to assist in the installation and configuration of the online permitting and licensing software program for the City of Cerritos, subject to final review by Internal Audit.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
HR Green, Inc (prime consultant)	No - form attached
Holistic System Integration Solutions (subconsultant)	No - form attached
Solutions (subconsultant) (subconsultant)	No - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-082

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "OPPORTUNITIES", then "Doing Business with SCAG" and scroll down under the "CONTRACTS" tab; whereas the SCAG staff may be found under "ABOUT" then "Employee Directory"; and Regional Council members can be found under "ABOUT", then scroll down to "ELECTED OFFICIALS" on the left side of the page and click on "See the list of SCAG representative and their Districts."

Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: HR Green, Inc.

Name of Preparer: George A. Wentz

Project Title: City of Cerritos Remote Services Enhancement Project

RFP Number: 20-082 Date Submitted: August 3, 2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) George A. Wentz, hereby declare that I am the (position or title) Governmental Svcs. Practice Leader of (firm name) HR Green, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated August 3, 2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ August 3, 2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-082

SECTION I: INSTRUCTIONS

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: Holistic System Integration Solutions
Name of Preparer: Angelica Zarco, Owner/President
Project Title: City of Cerritos Remote Services Enhancement Project
RFP Number: 20-082 **Date Submitted:** 08/03/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

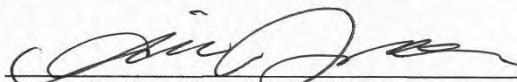
Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Angelica Zarco, hereby declare that I am the (position or title) Owner/President of (firm name) Holistic System Integration Solutions, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 08/03/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


08/03/2020

Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-082

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG's Deputy Legal Counsel, especially if you answer "yes" to any question in this form, as doing so MAY also disqualify your firm from submitting an offer on this proposal

Name of Firm: SDI Presence LLC
Name of Preparer: Linda Petty
Project Title: Remote Services Enhancement Project
RFP Number: 20-082 Date Submitted: _____

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Sharee L. Wolff, hereby declare that I am the (position or title) CFO of (firm name) SDI Presence LLC, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated July 28, 2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.

Sharee L. Wolff

July 28, 2020

Signature of Person Certifying for Proposer
(original signature required)

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contracts \$200,000 or Greater: Contact No. 21-012-C01,
Microsoft Enterprise Software License Agreement

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Contract No. 21-012-C01 with Insight Public Sector, in an amount not to exceed \$290,991, to provide Microsoft Enterprise Agreement (EA) for software licenses and maintenance, for three-years.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 3: Be the foremost data information hub for the region.

EXECUTIVE SUMMARY:

This contract establishes a three-year agreement for the vendor to provide Microsoft software licenses, maintenance and training to support SCAG's ongoing operations.

BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Contract Amount</u>
Insight Public Sector (21-012-C01)	The vendor shall provide a Microsoft Enterprise Agreement (EA) for software licenses and maintenance.	\$290,991

FISCAL IMPACT:

Funding of \$96,997 for the first year of the contract is available in the FY 2020-21 Indirect Cost Budget in project number 811-1163.08. Funding for the second and third year of the contract will be included in future budgets, subject to budget approval.

ATTACHMENT(S):

1. Contract Summary 21-012-C01
2. Contract Summary 21-012-C01 COI

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous

CONSULTANT CONTRACT NO. 21-012-C01

Recommended Consultant:	Insight Public Sector																						
Background & Scope of Work:	In 2017 SCAG procured an Enterprise License Agreement to efficiently consolidate all Microsoft licenses used at SCAG for both staff machines and servers. Staff has a continuing need for these services. Accordingly, this contract includes maintenance fees for existing software licenses plus new licenses, as required.																						
Project's Benefits & Key Deliverables:	The project's benefits and key deliverables include, but are not limited to: <ul style="list-style-type: none">• Providing up-to-date automated platforms to perform mission-critical planning and administrative work;• Increase SCAG staff productivity with the latest Microsoft software;• Ensure legal compliance, consistent budgeting and lower software costs																						
Strategic Plan	This item supports SCAG's Strategic Plan Goal 3: Be the foremost data information hub for the region; Objective: Model best practices by prioritizing continuous improvement and technical innovations through the adoption of interactive, automated, and state-of-the-art information tools and technologies.																						
Contract Amount:	<table border="0" style="width: 100%;"><tr><td style="width: 60%;">Total not to exceed</td><td style="text-align: right;">\$290,991</td></tr><tr><td colspan="2">Annual Expenditures:</td></tr><tr><td colspan="2">Year 1 (10/01/20 – 09/30/21)</td></tr><tr><td>Maintenance, existing licenses</td><td style="text-align: right;">\$86,997</td></tr><tr><td>New licenses, estimated</td><td style="text-align: right;">\$10,000</td></tr><tr><td colspan="2">Year 2 (10/01/21 – 09/30/22)</td></tr><tr><td>Maintenance, existing licenses</td><td style="text-align: right;">\$86,997</td></tr><tr><td>New licenses, estimated</td><td style="text-align: right;">\$10,000</td></tr><tr><td colspan="2">Year 3 (10/01/22 – 09/30/23)</td></tr><tr><td>Maintenance, existing licenses</td><td style="text-align: right;">\$86,997</td></tr><tr><td>New licenses, estimated</td><td style="text-align: right;">\$10,000</td></tr></table>	Total not to exceed	\$290,991	Annual Expenditures:		Year 1 (10/01/20 – 09/30/21)		Maintenance, existing licenses	\$86,997	New licenses, estimated	\$10,000	Year 2 (10/01/21 – 09/30/22)		Maintenance, existing licenses	\$86,997	New licenses, estimated	\$10,000	Year 3 (10/01/22 – 09/30/23)		Maintenance, existing licenses	\$86,997	New licenses, estimated	\$10,000
Total not to exceed	\$290,991																						
Annual Expenditures:																							
Year 1 (10/01/20 – 09/30/21)																							
Maintenance, existing licenses	\$86,997																						
New licenses, estimated	\$10,000																						
Year 2 (10/01/21 – 09/30/22)																							
Maintenance, existing licenses	\$86,997																						
New licenses, estimated	\$10,000																						
Year 3 (10/01/22 – 09/30/23)																							
Maintenance, existing licenses	\$86,997																						
New licenses, estimated	\$10,000																						
Contract Period:	Notice-to Proceed through September 30, 2023																						
Project Number:	811-1163.08 – Indirect Cost Funding of \$96,997 for the first year of the contract is available in the FY 2020-21 Indirect Cost Budget in project number 811-1163.08. Funding for the second and third year of the contract will be included in future budgets, subject to budget approval.																						
Basis for Selection:	In accordance with SCAG's Contract Manual Section 2.5, version 10, to foster greater economy and efficiency, SCAG's federal procurement guidance (49 CFR Part 18, Section 18.36 [b] [5]) authorizes SCAG to procure goods and services by entering into MSA's. SCAG utilized an MSA with the County of Riverside (Participating Agreement RIVCO 20800-013-12/19, Enterprise Agreement No.																						

Attachment: Contract Summary 21-012-C01 (Contracts \$200,000 or Greater: Contract No. 21-012-C01, Microsoft Enterprise Software License

01E73970). This agreement is specifically designed for use by local agencies to leverage combined purchasing power for discounted volume pricing and qualification for programs such as Microsoft EA. Any new licenses added by SCAG are purchased annually at the end of Years 1, 2 and 3 in what is termed a license “true up” program. This once-a-year program reduces the administrative burden and compliance risk of tracking and purchasing licenses for new staff or newly-added applications during the year.

It is of critical importance to SCAG operations that this Enterprise Agreement be renewed. SCAG utilizes Microsoft software on a daily basis for Information Technology (IT) infrastructure (servers and desktops), Customer Relationship Management (CRM) system, phone and web meeting systems, modeling systems, and custom applications that serve our members, including the Federal Transportation Improvement Program (FTIP), Regional Transportation Plan/Sustainable Community Strategies (ConnectSocial) websites and public comments, InterGovernmental Review system (IGR), Finance Division systems, SCAG websites and SCAG employee Intranet portal, SCAGHub. Software includes Visual Studio and Team Foundation Server for software development, Windows Server operating system, Microsoft Office 365, Microsoft Customer Relationship Management (CRM), SQL Server databases, Skype for Business communications software, SharePoint web and collaboration software, and Exchange email suite.

**Conflict Of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Contract No. 21-012-C01 with Insight Public Sector, in an amount not to exceed \$290,991, to provide Microsoft Enterprise Agreement (EA) for software licenses and maintenance, for three-years.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
Insight Public Sector (prime consultant)	No - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 21-012-C01

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Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so **MAY** also disqualify your firm from submitting an offer on this proposal

Name of Firm: Insight Public Sector, Inc.
Name of Preparer: Crystal McBride
Project Title: Microsoft Enterprise Agreement - Government (USD)
Date Submitted: 08/20/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Erica Falchetti, hereby declare that I am the (position or title) Sr. Capture Manager of (firm name) Insight Public Sector, Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 08/20/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


Erica Falchetti (Aug 20, 2020 12:24 PDT)

08/20/2020

Signature of Person Certifying for Proposer
(original signature required)

Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contract Amendment \$75,000 or Greater: Contract No. 18-028-C01, Regional Transportation Plan (RTP) Implementation and Technical Assistance Services, Amendment No. 4

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Amendment No. 4 to Contract No. 18-028-C01 in an amount not to exceed \$200,000 with System Metrics Group, Inc. to enable the consultant to continue to develop critical milestones and documentation of the region's progress in implementing the 2020 Regional Transportation Plan / Sustainable Communities Strategy (2020 RTP/SCS – also known as Connect SoCal) and provide technical support.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians. 3: Be the foremost data information hub for the region. 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

EXECUTIVE SUMMARY:

The project scope of services entails development of critical milestones and documentation of the region's progress in implementing the 2020 RTP/SCS. The scope includes the identification of potential challenges with implementing key initiatives, new opportunity areas, recommended action steps, and potential implications. Consultant services also include providing technical support, focusing on assessment of transportation projects, programs and strategies as well as implementation of performance measures compliant with federal requirements.

Additionally, work is needed to continue to assess COVID 19 financial and economic impacts and any associated revisions to the financial model. Supplemental ad-hoc analyses are also anticipated as SCAG undertakes further work related to the economic and financial impacts of COVID 19 and associated efforts to develop an economic development strategy for the region. Further efforts include development of a framework for expediting implementation and monitoring progress of the transportation investments in Connect SoCal. Finally, efforts will entail continued updates to the Regional Express Lane Concept of Operations (ConOps).

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



BACKGROUND:

Staff recommends executing the following contract \$200,000 or greater:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Amendment Amount</u>
System Metrics Group, Inc. (18-028-C01)	The consultant shall continue to help develop critical milestones and develop a framework for implementing the 2020 RTP/SCS and provide technical support.	\$200,000

FISCAL IMPACT:

Funding of \$200,000 is available in the FY 2020-21 Overall Work Program budget in project numbers: 010.0170.01 (\$50,000); 015.0159.01 (\$50,000); and 265.2125.02 (\$100,000).

ATTACHMENT(S):

1. Contract Summary 18-028-C01 Amendment 4
2. Contract Summary 18-028-C01 Amendment 4 COI

CONTRACT NO. 18-028-C01 AMENDMENT NO. 4

Consultant: System Metric Group, Inc.

Background & Scope of Work: On November 15, 2018, SCAG awarded Contract No. 18-028-C01 to System Metric Group, Inc. to develop critical milestones and document the region’s progress in implementing the 2020 Regional Transportation Plan / Sustainable Communities Strategy (2020 RTP/SCS – also known as Connect SoCal). The scope includes the identification of potential challenges with implementing key initiatives, new opportunity areas, and recommended action steps, as well as providing technical support.

Amendment No. 4 provides additional funding to enable the consultant to provide additional services and increases the contract value from \$683,178 to \$883,178 (\$200,000).

This increase is due to the need for continued COVID 19 financial and economic impact assessment and any associated revisions to the financial model. Supplemental ad-hoc analyses are also anticipated as SCAG undertakes additional work related to the economic and financial impacts of COVID 19 and associated efforts to develop an economic development strategy for the region. Further efforts include development of a framework for expediting implementation and monitoring progress of the transportation investments in Connect SoCal. Finally, efforts will entail continued updates to the Regional Express Lane Concept of Operations (ConOps).

Project’s Benefits & Key Deliverables: Project primary benefit entails development of critical milestones and documentation of the region’s progress in implementing the 2016 RTP/SCS. The key deliverables will include but are not limited to, the identification of potential challenges with implementing key initiatives, new opportunity areas, recommended action steps, and potential implications for the 2020 RTP/SCS.

Strategic Plan: This item supports SCAG’s Strategic Plan, Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians, Goal 3: Be the foremost data information hub for the region, and Goal 4: Provide innovative information and value-added services to enhance member agencies’ planning and operations and promote regional collaboration.

Amendment Amount:	Amendment 4	\$200,000
	Amendment 3 (administrative - no change to contract’s value)	\$0
	Amendment 2 (administrative - no change to contract’s value)	\$0
	Amendment 1 (revised consultant team resulting in net reduction)	-\$4,669
	Original contract value	<u>\$687,847</u>
	Total contract value is not to exceed	\$883,178

This amendment exceeds \$75,000. Therefore, in accordance with the SCAG Procurement Manual (dated 04/17/20) Section 9.3, it requires the Regional Council’s approval.

Contract Period: November 15, 2018 through June 30, 2021

Project Numbers:	015.0159.01	\$50,000
	265.2125.02	\$100,000
	010.0170.01	\$50,000

Funding source: Federal Transit Administration (FTA)

Basis for the Amendment:

Impacts of COVID-19 has exposed many vulnerabilities in our transportation system and at the same time it is exacting disproportionately negative impacts on the most vulnerable of our population. It is now more important than ever to implement the adopted Connect SoCal as expeditiously and efficiently as possible so we can begin the healing process, not just in terms of addressing our most pressing transportation needs, but also reviving the economy through direct investments and efficiency that will be gained through a robust transportation system. To that end, the Consultant team can build upon the technical support they provided in developing Connect SoCal and assist SCAG in developing a framework for expediting implementation and monitoring progress of the transportation investments included in the adopted Connect SoCal. As such, the additional work to be completed through this contract amendment effectively builds upon the work the consultant team has already completed under the original contract. A critical example of this includes completing an update of SCAG’s Regional Express Lane ConOps, which is a critical component of implementing one of Connect SoCal’s core strategies. With the encouragement of both Caltrans and FHWA, SCAG plans to complete an update of its Regional Express Lane ConOps, which was last updated during the 2016 RTP/SCS timeframe. To optimize this process, the Consultant would continue engagement of managed lane stakeholder agencies in the development of the update.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Amendment No. 4 to Contract No. 18-028-C01 in an amount not to exceed \$200,000 with System Metrics Group, Inc. to enable the consultant to continue to develop critical milestones and documentation of the region’s progress in implementing the 2020 Regional Transportation Plan / Sustainable Communities Strategy (2020 RTP/SCS – also known as Connect SoCal) and provide technical support.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
System Metrics Group, Inc. (prime consultant)	No - form attached
CLR Analytics (subconsultant)	No - form attached
Transportation Analytics (subconsultant)	No - form attached
WSP (subconsultant)	Yes - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 18-028-C01

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "Doing Business with SCAG," whereas the SCAG staff and Regional Council members lists can be found under "About SCAG."

Any questions regarding the information required to be disclosed in this form should be directed to Justine Block, SCAG Deputy Legal Counsel.

Name of Firm: System Metrics Group, Inc.

Name of Preparer: Tarek Hatata

Project Title: Regional Transportation Plan (RTP) Implementation and Technical Support

Date Submitted: 08/11/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Tarek Hatata, **hereby declare that I am the (position or title)** President **of (firm name)** System Metrics Group, Inc., **and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 08/11/2020 **is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.****

Tarek Hatata 08/11/2020
Digitally signed by Tarek Hatata
Date: 2020.08.11 14:40:59 -0700'
 Signature of Person Certifying for Proposer (original signature required) Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No. ! "#\$%& \$)" * 18-028-C01

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "Doing Business with SCAG," whereas the SCAG staff and Regional Council members lists can be found under "About SCAG."

Any questions regarding the information required to be disclosed in this form should be directed to Justine Block, SCAG Deputy Legal Counsel.

Name of Firm: CLR Analytics Inc.
Name of Preparer: Lainyu Chu
Project Title: Regional Transportation Plan (RTP) Implementation and Technical Assistance Services
! "#\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~ ! " # \$ % & ' () * + , - . / : ; < = > ? @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` { | } ~ 8/13/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Lianyu Chu, **hereby declare that I am the (position or title)** President **of (firm name)** CLR Analytics Inc., **and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 08/13/2020 **is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.****


 _____ 08/13/2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 18-028-C01

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG's Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG's Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under "Doing Business with SCAG," whereas the SCAG staff and Regional Council members lists can be found under "About SCAG."

Any questions regarding the information required to be disclosed in this form should be directed to Justine Block, SCAG Deputy Legal Counsel.

Name of Firm: Transportation Analytics

Name of Preparer: Diana M. Dorinson, Founder & Principal

Project Title: SCAG Regional Transportation Plan (RTP) Implementation and Technical Assistance Services

Date Submitted: 11-Aug-2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Diana M. Dorinson, **hereby declare that I am the (position or title)** Founder & Principal **of (firm name)** Transportation Analytics, **and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 11-Aug-2020 **is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.****

Diana M. Dorinson Digitally signed by Diana M. Dorinson
Date: 2020.08.11 17:05:55 -07'00' 11-Aug-2020
 Signature of Person Certifying for Proposer (original signature required) Date

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

SCAG CONFLICT OF INTEREST FORM

RFP No./Contract No. 18-028-C01

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

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Any questions regarding the information required to be disclosed in this form should be directed to Justine Block, SCAG Deputy Legal Counsel.

Name of Firm: WSP USA Inc.
Name of Preparer: Laura Unger, U.S. Regulatory Compliance Manager
Project Title: Regional Transportation Plan (RTP) Implementation and Technical Assistance Services (Contract Number 18-028-C01)
Date Submitted: 8/17/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If "yes," please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:

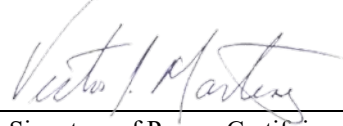
Name	Date	Dollar Value
See Attachment A		

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Vic Martinez, hereby declare that I am the (position or title) Los Angeles Area Manager of (firm name) WSP USA Inc., and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 8/17/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ 8/17/2020 _____
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.

Attachment A

SCAG Regional Council Member	Date	Amount	Made By
Curran Price	4/20/2009	\$ 200.00	WSP USA PAC
Curran Price	7/20/2011	\$ 1,000.00	WSP USA PAC
Miguel Pulido	10/2/2012	\$ 249.00	WSP USA PAC
Curren Price	4/19/2013	\$ 700.00	WSP USA PAC
Dennis Michael	10/21/2013	\$ 500.00	WSP USA PAC
Alan Wapner	6/4/2014	\$ 250.00	WSP USA PAC
Dennis Michael	8/28/2014	\$ 500.00	WSP USA PAC
Alan Wapner	2/15/2015	\$ 1,000.00	WSP USA PAC
Alan Wapner	2/11/2016	\$ 1,000.00	WSP USA PAC
Monica Rodriguez	2/22/2017	\$ 250.00	WSP USA PAC
Karen Spiegel	5/15/2017	\$ 1,000.00	WSP USA PAC
Alan Wapner	7/19/2017	\$ 1,000.00	WSP USA PAC
Jeannine Pearce	6/4/2019	\$ 400.00	WSP USA PAC
Don Wagner	9/12/2019	\$ 500.00	WSP USA PAC
Steve Manos	1/16/2020	\$ 250.00	WSP USA PAC
Don Wagner	1/29/2020	\$ 200.00	WSP USA PAC



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Contract Amendment Greater Than 30% of the Contract's
Original Value: Contract No. 20-037-C01, Go Human
Advertising & Engagement Campaign, Amendment No. 3

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Approve Amendment No. 3 to Contract No. 20-037-C01 in an amount not-to-exceed \$216,450, with Civilian to provide additional advertising and co-branding services to five (5) jurisdictions across the region.

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians.

EXECUTIVE SUMMARY:

On March 24, 2020, SCAG awarded Contract No. 20-037-C01 to Civilian, Inc. to conduct media buys across multiple media markets within the region as part of the Go Human regional safety advertising campaign. The consultant is responsible for conducting message testing, developing graphics, evaluating campaign recognition, and developing co-branded advertisements and materials for partners across the region. The consultant is also responsible for administering SCAG's mini-grant program for local community engagement strategies with non-profit and community-based organizations. The mini-grant program provides funds to non-profits and community-based organizations in local jurisdictions for projects that increase the safety of vulnerable street users, including those who depend on biking and walking, to improve safety locally and across the region.

Additional Active Transportation Program (ATP) funding became available and staff intends on using it to provide additional resources for advertising and co-branding services in support of the following projects: Imperial County Regional Active Transportation Plan; City of Azusa: Pedestrian Master Plan; City of Pasadena Pedestrian Master Plan; City of El Monte Vision Zero Action Plan; and City of Cathedral City Active Transportation Plan.

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This amendment exceeds \$75,000 and when combined with a previous amendment is greater than 30% of the contract's original value. Therefore, in accordance with the SCAG Procurement Manual (dated 04/17/20) Section 9.3, requires the Regional Council's approval.

BACKGROUND:

Staff recommends executing the following Amendment Greater than 30% of its original value:

<u>Consultant/Contract #</u>	<u>Contract Purpose</u>	<u>Amendment Amount</u>
Go Human Advertising & Engagement Campaign (20-037-C01)	The consultant shall provide additional assistance for advertising and co-branding.	\$216,450

FISCAL IMPACT:

Funding in the amount of \$216,450 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 225-3564.14.

ATTACHMENT(S):

1. Contract Summary 20-037-C01 Amendment 3
2. Contract Summary 20-037-C01 Amendment 3 COI

CONTRACT NO. 20-037-C01 AMENDMENT 03

Consultant: Civilian, Inc.

Background & Scope of Work:

On March 24, 2020, SCAG awarded Contract No. 20-037-C01 to Civilian, Inc. to conduct media buys across multiple media markets within the region as part of the Go Human regional safety advertising campaign. The consultant is responsible for conducting message testing, developing graphics, evaluating campaign recognition, and developing co-branded advertisements and materials for partners across the region. The consultant is also responsible for administering SCAG's mini-grant program for local community engagement strategies with non-profit and community-based organizations.

The mini-grant program provides funds to non-profits and community-based organizations in local jurisdictions for projects that increase the safety of vulnerable street users, including those who depend on biking and walking, in an effort to improve safety locally and across the region. Staff awards up to \$10,000 per grant on a competitive basis.

On April 21, 2020 staff amended the contract by \$74,140, from \$747,860 to \$822,000 via Amendment No. 1, to expand the mini-grant program, due to the California Office of Traffic Safety amending its grant to SCAG, in conjunction with staff utilizing additional funds to further expand the mini-grant program to create more opportunities for mini-grant funds to be awarded across the region.

Given staff desire to further expand the mini-grant program to create even more opportunities for mini-grant funds to be awarded across the region; on June 22, 2020, the Regional Council (RC) authorized staff to increase the contract value from \$822,000 to \$942,531 (\$120,531 – the RC actually authorized \$180,000, but staff only required \$120,531).

Additionally, given the availability of additional resources, SCAG will continue to expand its *Go Human* advertising and co-branding to an additional five partners. Amendment No. 3, if approved, will enable the consultant to provide advertising and co-branding services in support of the following projects: Imperial County Regional Active Transportation Plan; City of Azusa: Pedestrian Master Plan; City of Pasadena Pedestrian Master Plan; City of El Monte Vision Zero Action Plan; and City of Cathedral City Active Transportation Plan.

Amendment No. 3 also increases the contract value from \$942,531 to \$1,158,981 (\$216,450), and extends the term from September 30, 2020 to September 30, 2021.

Project's Benefits & Key Deliverables:

The project benefits and key deliverables include, but are not limited to:

- An implementation Plan and Advertising Strategy for six (6) counties (Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura);
- A Creative Brief; Proposed Social Media Messages (9) combinations/posts, social media resources, and Co-Branded Assets (20);
- Media Placements; and
- Draft and Final Report, including summary, next steps and recommendations.

Strategic Plan: This item supports SCAG’s Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians.

Amendment	Amendment 3	\$216,450
Amount:	Amendment 2	\$120,531
	Amendment 1	\$74,140
	Original contract value	<u>\$747,860</u>
	Total contract value is not to exceed	\$1,158,981

This amendment exceeds \$75,000 and when combined with a previous amendment is greater than 30% of the contract’s original value. Therefore, in accordance with the SCAG Procurement Manual (dated 04/17/20) Section 9.3, it requires the Regional Council’s approval.

Contract Period: March 24, 2020 through September 30, 2021

Project Number: 225-3564X4.14 \$216,450 (FY 2020-21)

Funding source(s): Consolidated Planning Grant (CPG) – FTA 5303, and Transportation Development Act (TDA).

Funding in the amount of \$216,450 is available in the FY 2020-21 Overall Work Program (OWP) budget in project number 225-3564.14.

Basis for the Amendment: Additional funding became available through the Active Transportation Program (ATP) to support five jurisdictions with additional co-branding advertising services. These services will extend and leverage the impact of other planning activities for the following projects: Imperial County Regional Active Transportation Plan, City of Azusa: Pedestrian Master Plan, City of Pasadena Pedestrian Master Plan, City of el Monte Vision Zero Action Plan, and City of Cathedral City Active Transportation Plan. To most efficiently and effectively utilize the funding for the additional projects, staff requests the Regional Council’s approval to add \$216,450 to the contract.

**Conflict of Interest (COI) Form - Attachment
For September 3, 2020 Regional Council Approval**

Approve Amendment No. 3 to Contract No. 20-037-C01 in an amount not-to-exceed \$216,450, with Civilian to provide additional advertising and co-branding services to five (5) jurisdictions across the region.

The consultant team for this contract includes:

Consultant Name	Did the consultant disclose a conflict in the Conflict of Interest Form they submitted with its original proposal (Yes or No)?
Civilian, Inc. (prime consultant)	No - form attached

SCAG CONFLICT OF INTEREST FORM

RFP No. 20-037

SECTION I: INSTRUCTIONS

All persons or firms seeking contracts must complete and submit a SCAG Conflict of Interest Form along with the proposal. This requirement also applies to any proposed subconsultant(s). Failure to comply with this requirement may cause your proposal to be declared non-responsive.

In order to answer the questions contained in this form, please review SCAG’s Conflict of Interest Policy, the list of SCAG employees, and the list of SCAG’s Regional Council members. All three documents can be viewed online at www.scag.ca.gov. The SCAG Conflict of Interest Policy is located under “OPPORTUNITIES”, then “Doing Business with SCAG” and scroll down under the “CONTRACTS” tab; whereas the SCAG staff may be found under “ABOUT” then “Employee Directory”; and Regional Council members can be found under “ABOUT”, then scroll down to “ELECTED OFFICIALS” on the left side of the page and click on “See the list of SCAG representative and their Districts.”

Any questions regarding the information required to be disclosed in this form should be directed to SCAG’s Deputy Legal Counsel, especially if you answer “yes” to any question in this form, as doing so **MAY** also disqualify your firm from submitting an offer on this proposal

Name of Firm: Civilian, Inc.
Name of Preparer: Stav P. Stein
Project Title: Go Human Advertising & Engagement Campaign
RFP Number: 20-037 Date Submitted: 1/28/2020

SECTION II: QUESTIONS

1. During the last twelve (12) months, has your firm provided a source of income to employees of SCAG or members of the SCAG Regional Council, or have any employees or Regional Council members held any investment (including real property) in your firm?

YES NO

If “yes,” please list the names of those SCAG employees and/or SCAG Regional Council members and the nature of the financial interest:

Name	Nature of Financial Interest
_____	_____
_____	_____
_____	_____
_____	_____

2. Have you or any members of your firm been an employee of SCAG or served as a member of the SCAG Regional Council within the last twelve (12) months?

YES NO

If "yes," please list name, position, and dates of service:

Name	Position	Dates of Service
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Are you or any managers, partners, or officers of your firm related by blood or marriage/domestic partnership to an employee of SCAG or member of the SCAG Regional Council that is considering your proposal?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

4. Does an employee of SCAG or a member of the SCAG Regional Council hold a position at your firm as a director, officer, partner, trustee, employee, or any position of management?

YES NO

If "yes," please list name and the nature of the relationship:

Name	Relationship
_____	_____
_____	_____
_____	_____
_____	_____

5. Have you or any managers, partners, or officers of your firm ever given (directly or indirectly), or offered to give on behalf of another or through another person, campaign contributions or gifts to any current employee of SCAG or member of the SCAG Regional Council (including contributions to a political committee created by or on behalf of a member/candidate)?

YES NO

If "yes," please list name, date gift or contribution was given/offered, and dollar value:


Name	Date	Dollar Value
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SECTION III: VALIDATION STATEMENT

This Validation Statement must be completed and signed by at least one General Partner, Owner, Principal, or Officer authorized to legally commit the proposer.

DECLARATION

I, (printed full name) Stacey Nelson Smith, hereby declare that I am the (position or title) Founder and CEO of (firm name) Civilian, Inc, and that I am duly authorized to execute this Validation Statement on behalf of this entity. I hereby state that this SCAG Conflict of Interest Form dated 1/27/2020 is correct and current as submitted. I acknowledge that any false, deceptive, or fraudulent statements on this Validation Statement will result in rejection of my contract proposal.


 _____ 1/27/2020
 Signature of Person Certifying for Proposer Date
 (original signature required)

NOTICE

A material false statement, omission, or fraudulent inducement made in connection with this SCAG Conflict of Interest Form is sufficient cause for rejection of the contract proposal or revocation of a prior contract award.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Art Yoon, Director of Policy and Public Affairs,
(213) 236-1840, ArtYoon@scag.ca.gov

Subject: SCAG Memberships and Sponsorships

**EXECUTIVE DIRECTOR'S
APPROVAL**

RECOMMENDED ACTION:

Approve

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

EXECUTIVE SUMMARY:

During its meetings on July 21, 2020 and August 18, 2020, the Legislative/Communications and Membership Committee (LCMC) recommended approval of up to \$44,000 in memberships for the 1) Coalition for America’s Gateways and Trade Corridors (\$6,500); 2) Eno Center for Transportation (\$10,000); and 3) National Association of Regional Councils (\$27,500).

BACKGROUND:

Item 1: Coalition for America’s Gateways and Trade Corridors
Type: Membership **Amount:** \$6,500

The Coalition for America’s Gateways and Trade Corridors (CAGTC) was established to bring national attention to the need to significantly expand U.S. freight transportation capabilities and to work toward solutions for this growing national challenge. CAGTC works with and through its members to raise awareness with the public and Congress on the need for sufficient funding for trade corridors, gateways, intermodal connectors, and freight facilities.

As a founding member, SCAG’s participation in CAGTC was the result of the perennial Board-adopted goal to seek a federal freight funding partnership. As a member of CAGTC, SCAG can help shape national freight policy and legislation with the organization. Regional Council Board Officers regularly traveled to Washington, DC to attend their meetings and conferences. CAGTC is comprised of over sixty representative organizations, including state Departments of Transportations (DOTs),

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MPOs, ports, engineering firms, and freight corridors who work to improve national freight policy. All of the Southern California freight stakeholders are members of CAGTC.

Item 2: Eno Center for Transportation
Type: Membership **Amount:** \$10,000

The Eno Center for Transportation’s mission is to seek continuous improvement in transportation and its public and public private leadership in order to increase the system’s mobility, safety, and sustainability. Eno works across all modes of transportation, with the mission of cultivating creative and visionary leadership for the sector. They pursue this mission by supporting activities in their Center for Transportation Policy (CTP) and their Center for Transportation Leadership (CTL).

Eno Transportation Weekly (ETW), a weekly roundup of transportation and infrastructure related news and analyses, provides valuable information to SCAG staff on policy and legislation making its way through Washington D.C. ETW’s thorough and high-quality analyses cover different topics, including transportation reauthorization bills, competitive grant programs, proposed budgets for federal departments, and discussion of new and emerging technologies in the transportation sector.

SCAG staff recommends that the agency maintain membership at the “Gold Connector” level. Although this level of membership typically costs organizations \$15,000, SCAG receives a discount as a government agency, thus bringing the amount down to \$10,000. This membership provides the agency with the following benefits:

- 15 complimentary subscriptions to ETW;
- Opportunity to participate in an Eno research initiative, such as working groups, that supports research on current issues in transportation policy; and
- Choice of any one optional sponsorship opportunity.

Item 3: National Association of Regional Councils
Type: Membership **Amount:** \$27,500

The National Association of Regional Councils (NARC) is the leading advocate for Metropolitan Planning Organizations (MPO) based out of Washington, DC. NARC serves as the national voice for regionalism by advocating for regional cooperation as the most effective way to address a variety of community planning and development opportunities and issues. NARC’s member organizations are composed of multiple local governments that work together to serve American communities – large and small, urban and rural. They regularly provide solutions that positively impact American communities through effective inter-jurisdictional cooperation.

The annual dues are \$27,500. SCAG has been an active member of NARC throughout the years and recommends continuing to do so as this organization is consistent with SCAG's core responsibilities and Mission. As a national public interest organization, NARC works with and through its members to:

- Shape federal policy that recognizes the increased value of local intergovernmental cooperation;
- Advocate effectively for the role of regional councils in the coordination, planning, and delivery of current and future federal programs;
- Provide research and analysis of key national issues and developments that impact members; and
- Offer high quality learning and networking opportunities for regional organization through events, training, and technical assistance.

FISCAL IMPACT:

\$6,500 for SCAG's membership in CAGTC is included in the approved FY 20-21 General Fund budget, \$10,000 for SCAG's membership with ENO Center for Transportation is included in the approved FY 20-21 Indirect Cost budget, and \$27,500 for SCAG's membership in NARC is included in the approved FY 20-21 General Fund budget.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Joint Policy Committees (CEHD, EEC and TC)
Regional Council (RC)

From: Sarah Jepson, Planning Director,
(213) 236-1955, jepson@scag.ca.gov

Subject: Connect SoCal - Aligning Implementation with Pandemic
Response

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Receive and File

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians.

EXECUTIVE SUMMARY:

At the May 7th meeting the Regional Council adopted Resolution No. 20-621-1 certifying the Connect SoCal Program Environmental Impact Report (PEIR) and approving Connect SoCal for federal conformity purposes only. The Resolution postponed for up to 120 days the date by which the Regional Council would be asked to consider approval of Connect SoCal in its entirety and outlined a series of activities to be undertaken by staff focused on researching how the COVID-19 pandemic could impact Connect SoCal –in both the short term and long term. At the July 2, 2020 Regional Council meeting, staff presented its findings, based on public feedback and analysis, that the best way to address the pandemic’s impacts was to proceed with plan adoption, prepare an emerging issues white paper to identify impacted areas to be monitored and addressed in future Connect SoCal updates, and develop an implementation strategy—as outlined in this report—that considers immediate needs and recovery.

The following report identifies a set of overarching pandemic recovery priorities derived from the pandemic outreach and engagement process and board discussions to guide SCAG’s work to implement the plan. The report further describes opportunities for these priorities to be addressed through the enhancement of SCAG’s existing local technical assistance programs. In addition, examples of regional studies and programs that have been augmented or accelerated to address pandemic recovery priorities through the implementation of the Core Vision and Key Connections of Connect SoCal are presented. Staff anticipates these plan implementation activities will continue to expand and evolve as new partnership opportunities arise and the short- and long-term impacts of the pandemic continue to unfold.

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BACKGROUND:

Every four years SCAG prepares a long-range Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS, Connect SoCal), which charts a course for closely integrating land use and transportation to increase mobility options and achieve a more sustainable growth pattern. Implementation of Connect SoCal depends on partnerships with our local jurisdictions and County Transportation Commissions (CTCs). The land use strategies in Connect SoCal are based on a growth vision that was developed through extensive consultation with local communities, which proposes multiple different types of Priority Growth Areas, as well as identifying regional growth constraints. SCAG provides resources to help local jurisdictions align local plans and programs with the regional growth vision through a series of technical assistance and funding programs. According to data in Connect SoCal, at least 58 jurisdictions have updated one or more elements of their General Plan since 2012. Information from the local input survey indicates that 80 percent of respondents have adopted General Plans that include Connect SoCal strategies. To advance the plan's transportation policies and support project delivery by partner agencies, SCAG pursues regional studies and programs to refine planning concepts and prepares the Federal Transportation Improvement Program (FTIP), as mandated by the federal and state statutes, to provide a basic foundation for implementation of the capital projects (transportation improvements) identified in Connect SoCal.

The COVID-19 pandemic and public health crisis has impacted every aspect of the economy since February/March period and continues to profoundly impact the ways we live, work, and learn. These impacts, and their disproportionate burden on low-income people and communities of color, have revealed gaps and opportunities to achieve a more resilient region, and will undoubtedly influence planning for years to come.

The public outreach and engagement pursued per Resolution No. 20-621-1, and described below, has confirmed the long-term goals, guiding principles and major planning strategies identified in Connect SoCal have retained, and in most cases, become for more relevant in light of the pandemic. However, in the short-term, SCAG can play an even stronger role in addressing both the near and long-term impacts of the pandemic through actions to implement the plan, including local technical assistance programs, regional studies and programs and transportation funding administration, partnerships and advocacy. The following implementation strategy for Connect SoCal outlines opportunities to leverage these existing activities, strengthen partnerships and accelerate programs that serve the immediate needs of communities while also advancing the plan vision and strategies for a more sustainable and resilient region.

OVERARCHING PANDEMIC RECOVERY PRIORITIES

As noted in the report entitled "Connect SoCal - Emerging Issues and Trends for Future Planning," this summer SCAG staff engaged in several outreach efforts to learn more from stakeholders about how their communities had been impacted by the pandemic and to learn how Connect SoCal could

best be positioned as a tool for recovery and regional resilience. Activities included engagement with regional planning working groups, direct outreach to specific stakeholders, focus groups with community-based organizations (CBOs), a public survey,¹ and a public virtual town-hall.² Stakeholders identified several short- and medium-term priorities, including:

- Focus on equity and addressing disparate impacts on affected communities;
- Improve deep, meaningful engagement to understand community needs;
- Provide leadership by advocating for federal and state resources;
- Develop partnerships to collaborate on economic recovery and public health;
- Support local jurisdictions by identifying resources and technical assistance for local planning;
- Continue to support work on housing production, protection and preservation;
- Develop tools to promote a more sustainable and resilient region;
- Provide resources to improve local capacity to advocate and secure resources; and
- Continue the vital work of disseminating data and research on economic, public health and other planning impacts of the pandemic.

Building off this input and survey results more broadly, staff identified five major themes or focus areas that are proposed to serve as overarching pandemic recovery priorities for consideration and incorporation into the design and implementation of SCAG's activities and work program for implementing Connect SoCal. These priorities include: Equity & Engagement, Inclusive Economic Recovery, Regional Resilience, Public Health, Transportation Safety, and Local Capacity Building. A preliminary list of activities to advance these pandemic recovery priorities as a foundation for Connect SoCal implementation are discussed below.

Equity & Engagement

The pandemic has disproportionately impacted low-income and communities of color resulting in vastly different economic and health impacts and exposing structural inequities that limit resilience and prosperity for the region as a whole. In addition to public feedback emphasizing the importance of equity as a cornerstone of plan implementation, on July 2, 2020, SCAG's Regional Council adopted Resolution 20-623-2, affirming its commitment to meaningfully advance justice, equity, diversity, and inclusion, and declaring its intent to end racial and social disparities. The resolution called for the formation of an ad hoc Special Committee on Equity and Social Justice to further develop SCAG's response to advancing social justice throughout the agency's activities and advise the Regional Council on policies and practices. The staff report accompanying the resolution

¹ Summary of survey results:

<http://www.scag.ca.gov/committees/CommitteeDocLibrary/Supplemental%20Report%20-%20Connect%20SoCal%20Update.pdf>

² Summary of town-hall discussions: <https://www.connectsocial.org/Documents/SCAG-Regional-Dialogue-COVID-19-Summary-Report.pdf>

outlined work for the Special Committee, including establishing an agency-wide definition of “equity,” cataloguing the existing equity-related activities throughout SCAG; and establishing an Equity Framework containing quantitative and qualitative indicators of existing inequities and disparities that exist in the region. The work of the Special Committee and recommendations to the Regional Council, expected in March 2021, will guide the consideration and incorporation of equity into all of SCAG’s activities, including efforts to implement the plan.

In the near term, staff recognizes increased engagement with CBOs as an important measure to ensure all voices are heard and considered in regional planning processes and plan implementation. SCAG is pursuing further engagement with CBOs through grant and contracting opportunities, as well as through additional outreach to encourage participation of CBOs in SCAG’s working groups and advisory committees. In addition, data available on existing disparities as reflected the Public Health and Environmental Justice Technical Reports in Connect SoCal will serve as a resource for designing plan implementation programs and studies and for the Regional Council’s consideration in prioritizing resources across SCAG’s work program. Connect SoCal also includes an Environmental Justice (EJ) Toolbox within the EJ Technical Report that staff will promote through plan implementation activities. The toolbox includes recommended strategies and resources to address potential impacts to EJ Areas, Disadvantaged Communities, Communities of Concern, and other EJ related communities, and it presents optional policy recommendations that may be effective in addressing EJ impacts after a comprehensive review of impacts and consultation with all stakeholders.

Inclusive Economic Recovery

A preliminary analysis of economic impacts of the COVID-19 pandemic on the SCAG region³ was provided to the Regional Council and Stakeholders in May as data was still being collected. Some of the recommendations from the report include:

- Reviewing data in order to provide a clearer picture of evolve economic conditions;
- Researching changes in tax revenues, that municipalities, counties and CTCs will face;
- Analyzing the different impacts across jurisdictions, specifically on low resource areas; and
- Monitoring the nature and extent of federal policy intervention.

Staff will continue to collect third quarter economic indicators and statistics to update the “Potential Economic Impacts of COVID-19 in the SCAG Region” Report in November and present the results at the 11th Annual SCAG Economic Summit in December. SCAG will work with member cities and counties, public and private sector leaders, labor leaders, and a team of independent economic advisors to develop the Southern California Economic Recovery & Job Creation Strategy. The strategy will be centered around opportunities to leverage the implementation of the land-use

³ The complete report is available at http://www.scag.ca.gov/Documents/scag-COVID-19-White-Paper_FINAL_2020-0514.pdf

vision and transportation projects in Connect SoCal to help businesses, public agencies, and communities improve their economic viability with immediate and long-term recommendations. As it did after the 2008 recession SCAG will focus on economic recovery, and how the region can come together to secure funding for job creating transportation and housing.

Regional Resilience

The challenges our region will face in meeting ambitious near- and long-term regional goals are increasingly difficult to predict, as the COVID-19 pandemic has proven. As part of plan implementation and to prepare for future plan updates, Connect SoCal called for the creation of a Regional Resilience Framework. The framework will include a collaborative exploratory scenario planning process to explore pressing issues and potential disruptions to Southern California, such as pandemics, earthquakes, extreme weather, and economic shocks. SCAG's ongoing Climate Adaptation Framework project will identify pathways for developing future regional and local plans, and investments that support resilience given our region's heightened vulnerability to extreme heat, wildfires, drought and rising sea levels. SCAG is also developing a "SoCal Greenprint" that will be designed to serve as a strategic web-based conservation tool to provide the best available scientific data and visualizations to help stakeholders make better-informed land use and transportation infrastructure decisions that recognize the multiple benefits of conserving natural and working lands. These planning resources will inform SCAG's programs as well as serve as a resource for local jurisdictions and transportation agencies as they pursue activities to implement the growth vision and transportation strategies in Connect SoCal.

Public Health

SCAG is active in state, regional, and local conversations on how to embed public health into land use and transportation planning. Specifically, at the statewide level, SCAG staff currently serves on California's APA Planners 4 Health Steering Committee, which aims to increase local capacity for creating stronger, healthier communities, and promote greater coordination between planners and public health professionals at the state, regional, and local levels. The pandemic has re-enforced and expanded the lens with which public health needs to be considered and addressed in the planning process to prevent the spread of disease and ensure communities are starting at a healthier baseline (i.e., built environment is not contributing to chronic disease disparities). Although healthcare is often the first thing people think of when it comes to health, it only drives about 10-20 percent of health outcomes.⁴ Connect SoCal, includes a Public Health Technical Report which is grounded in the Social Determinants of Health (SDOH), a public health framework which is centered on the circumstances in which we live, work, play and age. We know that the SDOH contribute to disparate health outcomes from one census tract to the next, and that the incidence of asthma, diabetes, and other chronic diseases in communities of color is greater than those for the region as a whole. We now see elevated numbers of cases and deaths in communities of color

⁴ Tara O'Neill Hayes and Rosie Delk, "Understanding the Social Determinants of Health," American Action Forum, September 2018.

in our region due to COVID-19, in part, resulting from deficiencies in the built environment, including overcrowded housing. SCAG intends to continue to support jurisdictions as they take steps to advance public health and health equity through land-use and transportation planning, including by providing access to resources such as SCAG’s COVID-19 Vulnerability Indicators Dashboard,⁵ a tool that local jurisdictions can use to identify areas of need. SCAG will also continue its work on testing the local level analysis of the California Public Health Assessment Model (C-PHAM), which we currently use to evaluate the health-related impacts of Connect SoCal. SCAG will also assemble and share best practices for improving travel safety, including through measures to limit disease exposure, to inform transportation planning. In addition to providing access to useful research and tools and best practices, SCAG intends to continue to fund the work of up to 15 Public Health & Policy Fellows throughout the region to help support local jurisdictions and organizations as they take on public health-related issues and policy changes resulting in healthier built environments. We anticipate that several Fellows in this year’s class will be supporting work on health equity-related efforts. The research and learnings from these activities continue to further SCAG’s “health in all policies” approach including informing Connect SoCal implementation activities.

Transportation Safety

Since the start of the pandemic, transportation safety has become an even higher priority for many communities, where traffic reduction resulted in increases in unsafe speeds. Moreover, many communities have reconsidered how public space is allocated and several have prioritized opening up streets to pedestrians and bicyclists in order to make it easier to physically distance from others while traveling to essential businesses and work, and engaging in recreation.⁶ SCAG will continue to support the development of local safety plans and the identification of High Injury Networks (HINs) through the Sustainable Communities Program (SCP). We will also continue to further refine the regional HIN and work with others through the Strategic Highway Safety Plan Steering Committee on the development of statewide guidance. In the spring/summer 2020, we will hold a series of subregional safety peer exchanges that will explore local safety issues, along with the policy and implementation tools for addressing them.

Local Capacity Building

The budget impacts of the pandemic on local jurisdictions and transportation partners vary significantly across the SCAG region with many agencies struggling in the near-term to fund plans, projects and staff to implement Connect SoCal and foster economic recovery. Providing planning resources to implement Connect SoCal, identifying grants to support regional studies, and deploying technical assistance to augment local resources will be essential to supporting local partners in addressing transportation and housing needs identified in Connect SoCal and positioning local agencies and partners to successfully compete for local, state and federal funds. SCAG will also

⁵ Follow the link to access “Vulnerability Indicators:” <https://arcg.is/Gfrzr>

⁶<https://e360.yale.edu/features/the-pandemic-has-taken-cars-off-urban-streets.-will-it-last>

explore opportunities to streamline processes and increase access to SCAG's local assistance programs and resources recognizing the increased constraints on staff capacity across many public agencies.

LOCAL TECHNICAL ASSISTANCE RESOURCES

In addition to the stand-alone efforts described above to advance the overarching pandemic recovery priorities, SCAG's Local Technical Assistance Resources provide another immediate opportunity to address recovery in concert with activities to support Connect SoCal implementation. Since 2005, the Southern California Association of Governments (SCAG) has provided resources and direct technical assistance to local jurisdictions to complete important local planning efforts and enable implementation of Connect SoCal. The following are some, but not all, of the ways in which SCAG funds technical assistance for local planning and engagement and some examples for integrating pandemic recovery priorities into program design.

Sustainable Communities Program

The 2020/21 Sustainable Communities Program (SCP) will provide local jurisdictions with multiple opportunities to seek funding and resources to meet the needs of their communities, address recovery and resiliency strategies considering COVID-19, and support regional goals. SCAG will release multiple Calls for Application throughout the year to select projects within different program areas and funding categories. The total amount of funding available to support the SCP is expected to be nearly \$15 million, a 50% increase in funds available following the adoption of the 2016 RTP/SCS. The first calls will focus on active transportation, safety and supporting housing production and preservation. They will be released in September and October/November respectively. Subsequent supplemental calls will be announced focused on Smart Cities & New Mobility and Green Region & Resilience. The SCP aims to prioritize resources where there is a demonstrated need. Opportunities to incorporate the overarching priorities for pandemic recovery will be considered as program guidelines are developed and resources are allocated to support local planning. While the SCP provides technical assistance to local jurisdictions, a growing number of projects have aimed to enhance meaningful engagement by local communities through partnerships with CBOs. Staff is continuing to explore means to encourage and facilitate greater participation by CBOs in SCP projects to advance equity goals.

SCAG Housing Program Development and Implementation

Based on AB 101 passed in 2019, SCAG will receive approximately \$47 million from the Regional Early Action Program (REAP) administered by the California Department of Housing and Community Development (HCD). The overarching objectives of the REAP Program include planning to accelerate housing production throughout the SCAG region, increasing housing supply to meet the sixth cycle regional housing needs assessment (RHNA), and supporting the regional priorities as reflected in Connect SoCal. To meet those objectives, SCAG is developing and implementing a Regional Housing Program through various approaches including sub regional partnerships, local housing element assistance, Sustainability grants to local jurisdictions, policy research, outreach and

engagement. Increasing housing production to improve housing affordability, and combat homelessness, is an important part of SCAG’s equity work, a significant opportunity to accelerate progress toward the Connect SoCal growth vision, and essential means to address many of the pandemic recovery priorities.

Call for Collaboration

Complementary to SCAG President’s priorities and as part of its broader Housing Program, the Regional Council set aside \$1 million out of the \$11 million allocation of the region’s early application for the REAP grant to establish the Call for Collaboration partnership program with the intent to support new partnership models and engage a wider range of stakeholders to advance the region’s housing goals. SCAG has the unique opportunity to partner with the California Community Foundation (CCF) and other non-profit entities to implement the partnership program, leveraging SCAG’s resources 1:1 with other funds, to increase the reach and impact of the program. The Call for Collaboration would fund projects that go beyond traditional planning tools and promote collaborative partnerships, particularly with CBOs, and to also elevate local conversations on racial equity and justice in housing need and economic recovery.

Go Human Campaign

With grant funding, SCAG’s Go Human program, a strategic initiative to implement the region’s walking, biking and safety goals, has deployed three programs focusing on equity and local engagement. Go Human developed a mini-grant program to support bicycle and pedestrian safety across the region. As a result of stakeholder feedback, staff retooled the program to expand the concept of safety to be more responsive to the reality and impacts of the pandemic on local communities. The Go Human Kit of parts is used to support planning efforts by showcasing potential and planned street design treatments that support public space, improve equity, and enhance community resiliency. The Kit program is designed to center community need, engage communities and promote public space access, especially with historically disinvested communities such as Black, Indigenous and People of Color communities. The Kit of Parts is available at no cost to jurisdictions in the SCAG region. The Go Human Resilient Streets Technical Assistance program, which includes webinars and one to one coaching with jurisdictions that support strategies to utilize street space for community resiliency, recovery and resource delivery that centers safety and equity, and responds to barriers to relying on technology as a tool for outreach (i.e. broadband access) by prioritizing low-tech/no-tech strategies.

REGIONAL STUDIES AND PROGRAMS

Regional studies and programs administered by SCAG provide another critical means to implement Connect SoCal while also advancing recovery priorities identified through the pandemic outreach and engagement process and board discussions. Several examples are provided below of ways in which planning studies to advance Connect SoCal’s primary strategy areas—the Core Vision and Key Connections—align with recovery priorities. In addition, staff is developing more detailed work programs for each of the plan’s Key Connections, recognizing this critical window of opportunity to

accelerate adoption of the plan's technology-based strategies (like Smart Cities) that have gained traction during the pandemic, while also refining the scope of plan implementation activities to address gaps (like the digital divide) that have become more apparent and urgent over the last six months and are also essential to ensuring the universal benefit of technology-based strategies.

System Preservation & Resilience

Our transportation system is maturing rapidly, particularly as it relates to our roadway network. We are at a juncture where it is more important to prioritize system preservation and system management over system expansion to ensure we are preserving what we have and ensuring that it is performing at the highest productivity level. Connect SoCal also places special emphasis on ensuring we have a resilient transportation system that can endure and adapt to climate changes and natural disasters brought about in greater frequencies by changing climate. Specific actions to ensure transportation system resiliency could mean more focused and greater investments in long lasting and weather resistant pavements, prioritizing retrofitting of our most vulnerable elements of our transportation infrastructure (such as bridges), strengthening auxiliary improvements such as levies, retaining walls, storm drains etc.

SB 1, passed by the voters in 2017, provides significant additional sources for preservation and protection of our transportation system. While this infusion of funding narrows the gap between our needs and available funding, significant gaps in our funding needs for system preservation remains. Therefore, supportive actions to materialize new funding sources presented in the Connect SoCal must be part of our implementation strategy. SCAG will continue to monitor the economic impacts of the pandemic and work with partners to address any changes in projected revenues.

Transit Backbone

The pandemic has brought back into the spotlight the role that public transportation plays in the region as a lifeline service for those who cannot afford access to an automobile, including essential and frontline workers. According to the California Transit Association (CTA), today 56 percent of transit riders are female, most transit riders are Black and Latino, 20% work in health care services and almost the same in food preparation. Transit agencies led by organizations such as CTA and the American Public Transportation Association (APTA) are seeking ways to reposition their role as mobility providers in a post-pandemic world, including the use of technology such as contactless payment systems and new mobility options (such as micro-transit) where they are more cost-effective. SCAG has assembled an on-line platform for transit operators to share COVID-19 actions, including allowing each operator to update the data for their own agency in real time. SCAG will continue to seek ways to facilitate regional inter-agency coordination and information sharing as the situation evolves.

Strategies such as dedicated bus lanes and traffic signal prioritization to maximize frequency and reliability in high ridership corridors will also be critical when demand increases, to accommodate

the reduction in vehicle capacity that is necessary to support physical distancing. To that end, the City of Los Angeles continues to support LA Metro with NextGen implementation. NextGen is Mero's plan to redesign its bus network to better meet the needs of current and future riders. The Metro Board in Jan. 2020 approved of \$1 billion in transit supportive capital infrastructure to improve speed and reliability, including dedicated bus lanes. Additionally, SCAG will embark on a regional study of dedicated lanes to further support this strategy, for consideration in the next RTP/SCS update.

Complete Streets

Complete Streets strategies are about reimagining the public space to accommodate all users. By incorporating considerations for walking, biking, new-mobility, transit, and curbside management we can promote increased safety, reductions in VMT, and economic resiliency. Anecdotally, during the pandemic we have seen an increase in recreational walking and biking in our neighborhoods throughout the region. Further, the bicycling industry has reported difficulty in meeting growing demand particularly for entry-level and commuter bikes. Communities in the region have expanded public space through the closing of underutilized roadways to create outdoor dining and socially distant recreation. Reimagining roadways supports the health, wellness, and safety of our communities throughout the region. Partnerships with and capacity building within CBOs will be a clear step towards the equitable implementation of complete streets policies outlined in Connect SoCal.

Goods Movement: Last Mile Delivery

Last mile freight has witnessed exponential growth in demand as a result of COVID-19 impacts, and this trend of acceleration is poised to continue. SCAG, through Connect SoCal, identifies opportunities for the region to deploy the most cutting-edge technologies to reduce emissions in the last-mile freight market. This is particularly critical for vulnerable communities in our region that have been disproportionately impacted by freight activities. Improving air quality is a priority for better public health. Accordingly, SCAG, in partnership with the Mobile Source Air Pollution Reduction Review Committee (MSRC) will establish a Last Mile Freight Program, to allocate funding for the commercial deployment of clean vehicle technologies and broader innovative technologies in e-commerce use-cases. The focus on last-mile freight operations is particularly significant as internal truck trips (regional distribution) constitute nearly 90 percent of total truck trips in the region. Through the Last Mile Freight Program, there is a great opportunity to scale efforts more broadly to achieve long-term implementation of emissions reductions.

Smart Cities & Job Centers

SCAG is collaborating with the California Emerging Technology Fund, the Inland Empire Regional Broadband Consortium, and others on a Caltrans funded grant to study the feasibility and effectiveness of building broadband conduits as part of road construction projects that are already occurring, and to assess the VMT and GHG reduction benefits from these dig-once strategies. SCAG

is also assessing ways to support and encourage improved access to and quality of broadband service in the region, including development of a model policy or ordinance that local jurisdictions can consider adopting to support broadband deployment and streamline local permitting processes. SCAG will be addressing teleworking as part of two studies to implement its recently completed Transportation Demand Management (TDM) Strategic Plan, including the provision of TDM trainings regionwide and the development of a regional TDM data clearinghouse to disseminate information and best practices about TDM.

Accelerated Electrification

Connect So Cal includes a technology advancement plan for the regional goods movement system, focusing on the long-term goal of a zero emission system where technically feasible and economically viable, while also integrating near-zero emissions technologies that serve as bridging options to continue to reduce emissions below current levels. To achieve this vision, work is still needed to economically produce these vehicles at scale and bring the costs down so that they are commercially viable. As vehicle technology advances, new infrastructure must be planned and built to support the needs of these technologies. SCAG will support the development of this infrastructure by helping to better understand what is needed, where, how to go about it, the roles of critical stakeholders, and to create a regional action plan to develop it. SCAG is intending to help envision a regional network of zero emission charging and fueling infrastructure for medium- and heavy-duty trucks.

Electrifying the light duty passenger fleet in the region is another a critical goal to reduce air pollution and GHG emissions from transportation. A major barrier to electric vehicles (EV) is the lack of sufficient public charging infrastructure to support charging, especially in disadvantaged communities. SCAG is working to promote more EV charging by conducting an EV Charging Station Study. The study will provide knowledge and resources to support deployment of EV chargers in 18 jurisdictions, most of which have considerable amounts of residents living in disadvantaged communities. An additional component of the study will be an educational campaign directed toward disadvantaged communities and multi-unit dwellings that will encourage purchase of EVs and provide information on programs that help make purchasing an EV more affordable.

Go Zones

A “Mobility Go Zone” Program is a geographically defined area that has a suite of mobility options for commuters, visitors, and residents to encourage reduced dependency on personal automobiles. The Mobility Go Zone concept focuses on addressing traffic hot spots with a range of tools and incubating what can work to relieve local congestion problems. Connect SoCal emphasizes the use of congestion pricing to more holistically manage demand on our roadways. Although the region has witnessed sharp declines in VMT during the early part of April as a result of stay-at-home orders, daily VMT has risen steadily since the low point. As travelers switch from transit or other shared modes to personal vehicles due to health concerns, this could mean even greater VMT

growth and congestion on our roadways. SCAG will continue to collaborate with local jurisdictions, CBOs, business, and other key stakeholders to explore Mobility Go Zones. Current efforts have focused on working with CBOs to conduct community engagement, hosting a series of listening sessions to surface equity issues.

Shared Mobility & Mobility as a Service

Reluctance to use shared modes during the pandemic due to health and safety concerns, coupled with increasing automobile travel, vehicle miles traveled, and associated congestion and air quality issues, could potentially lead the region away from the mobility and sustainability goals in Connect SoCal. SCAG will continue to support shared mobility and mobility as a service (MaaS) including through a forthcoming MaaS White Paper to identify the key building blocks necessary for successful implementation in the SCAG region. SCAG will seek ways to support related local and state efforts, such as the California Integrated Travel Project (Cal-ITP), that seek to ensure the benefits of shared mobility and MaaS that are enabled by new technology and innovation are accessible to all travelers.

CONCLUSION

As noted at the beginning of this report, implementation of Connect SoCal depends on partnerships with our local jurisdictions and County Transportation Commissions (CTCs). There are numerous policies and strategies enumerated in Connect SoCal that, if adopted and implemented, will ensure outcomes that are consistent with the goals and objectives approved by the Regional Council. However, SCAG would be remiss if strategies were not aligned with the very different circumstances our region has encountered since the outbreak of the COVID-19 pandemic, and the unrest prompted by social and racial injustices present across our nation. The strategies identified in this report were already planned as part of Connect SoCal, however as demonstrated above, the implementation efforts will focus on addressing community concerns regarding the disparate experiences from the pandemic, crafting an inclusive economic recovery, and reaffirming the Regional Council's commitment to addressing equity in all of SCAG's practices.

FISCAL IMPACT:

Funding for the various programs described in this report is included in the FY 2020-21 Overall Work Program.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Joint Policy Committees (CEHD, EEC and TC)
Regional Council (RC)
From: Sarah Jepson, Planning Director,
(213) 236-1955, jepson@scag.ca.gov
Subject: Connect SoCal - Emerging Issues and Trends for Future
Planning

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:
Receive and File

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 2: Advance Southern California’s policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

EXECUTIVE SUMMARY:

On May 7, 2020, the Regional Council adopted Resolution No. 20-621-1 certifying the Connect SoCal Program Environmental Impact Report (PEIR) and approving Connect SoCal for federal conformity purposes only. The Resolution postponed for up to 120 days the date by which the Regional Council would be asked to consider approval of Connect SoCal in its entirety and outlined a series of activities to be undertaken by staff to analyze the impacts of the COVID-19 pandemic on the plan and its implementation. At the July 2, 2020 Regional Council meeting staff presented its findings, based on public feedback and analysis, that the best way to address impacts related to the pandemic was to proceed with plan adoption, prepare an implementation strategy that considers immediate needs and recovery, and prepare an emerging issues white paper to identify impacted areas. The following report identifies the emerging issues related to trends, impacts to date and areas to be addressed in future Connect SoCal updates.

BACKGROUND:

Every four years SCAG prepares a long-range Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS, Connect SoCal), which provides a vision for closely integrating land use and transportation so that the region can increase mobility options and achieve a more sustainable growth pattern. With each planning cycle come new challenges and opportunities to be addressed, including legislative requirements (e.g., Senate Bill 375) and emerging trends (e.g., micro-mobility). The COVID-19 pandemic presents a multitude of challenges that the next plan will need to take into account, as the pandemic continues to profoundly impact the ways we live, work,

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California’s Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous

and learn, in largely uneven ways, and will undoubtedly influence planning for years to come.

This summer SCAG staff engaged in several outreach efforts to learn more from stakeholders about how their communities had been impacted by the pandemic and to learn how Connect SoCal could best be positioned as a tool for recovery and regional resilience. Activities included engagement with regional planning working groups, direct outreach to specific stakeholders, focus groups with community-based organizations (see Attachment 1 for feedback memo), a public survey,¹ and a public virtual town-hall.² Feedback from these outreach efforts reaffirmed some of the known challenges in the region, such as housing affordability, but also raised new concerns such as declines in forecasted revenues and the persistence of unaddressed inequities. Many stakeholders highlighted data and trends related to the development of Connect SoCal that had been disrupted by the pandemic.

The report below outlines the Connect SoCal data and trends that we anticipate will be impacted by the pandemic and then describes emerging issues that were not deeply discussed in Connect SoCal, but which will be relevant areas to explore in the next plan.

Impacted Data and Trends in Connect SoCal

The long-range planning process, which is regulated by federal and state agencies, requires robust data and research. Though updated data on impacts from the pandemic is limited and the longer-term trajectory of recent trends is yet to be determined, SCAG staff have identified multiple areas of input and analysis in Connect SoCal that may shift for the 2024 RTP/SCS. SCAG anticipates needing to reassess several trends, including those described below. We will continue to work on reviewing research and acquiring data to understand the trajectory of these trends, so that in the future we can share findings on the anticipated long-term impacts.

Demographics and Growth Forecast: Connect SoCal determines who we are planning for by developing a regional growth forecast for future employment, population and households. This forecast reflects anticipated growth between now-2016 base year and 2045 based on observed trends, demographic and economic assumptions, and local, regional, state, and national policy. Regional and county growth forecasts will be one of the first pieces to be developed for the 2024 RTP/SCS and this process will begin in 2021, with a Panel of Experts meeting to evaluate forecasts. In addition, SCAG will provide updates in November 2020 to its initial assessment of the economic impacts of the pandemic (first released in May 2020), which evaluated potential impacts to taxable

¹ Summary of survey results:

<http://www.scag.ca.gov/committees/CommitteeDocLibrary/Supplemental%20Report%20-%20Connect%20SoCal%20Update.pdf>

² Summary of town-hall discussions: <https://www.connectsocial.org/Documents/SCAG-Regional-Dialogue-COVID-19-Summary-Report.pdf>

sales and unemployment in the region.³ Most economic impact assessments do not anticipate job losses from the pandemic to continue beyond the 2020-2022 period; furthermore, long-range regional economic forecasts depend heavily on how the SCAG region is expected to perform relative to the rest of the nation, which is a measure of relative strength rather than a measure of the overall impacts of the pandemic. While all demographic components such as death, fertility, migration (both domestic and international), and household formation, will be evaluated, specific attention will be paid to future expected migration levels in the context of the pandemic.

Transportation Finance: Our region relies heavily on local sources of revenue to fund transportation projects included in Connect SoCal. Local sources comprise 60 percent of core revenues for transportation improvements in the SCAG region, the majority of which comes from local sales taxes. Federal and state transportation sources are mostly based on excise taxes on gasoline and diesel fuels, which depend on fuel consumption. All of these sources are currently impacted by the pandemic. The largest source of concern for a potential transportation funding crisis in the SCAG region is the likelihood of a prolonged economic recession resulting from the pandemic, which would have the greatest impact on sales tax revenue resulting from a reduction in general consumer spending. As part of the CARES Act, the federal government provided \$25 billion in emergency funding for public transit agencies nationwide. The SCAG region is estimated to receive a total of \$1.612 billion, to be used for transit capital and operations, as well as safety and sanitation, and staff expenses. Even with this funding, SCAG anticipates that transportation funding will continue to be greatly impacted. SCAG will continue to monitor potential fiscal impacts and work with agency partners to understand enduring long-term impacts on the region. Once the long-term impacts are fully understood, working with our agency partners, SCAG can amend the adopted Connect SoCal, if and as needed, to reflect the new fiscal realities and investment priorities.

Congestion and Mode Share Changes: Since the start of the pandemic, transit ridership has declined significantly, with initial drops in March, more dramatic losses in April, and some recovery in May. Data from the National Transit Database suggests that regionwide, bus ridership fell by over 71 percent in April 2020 compared to April 2019, and by 66.5 percent in May 2020 compared to May 2019. At the county level, Imperial and Orange saw the steepest declines in bus ridership — 77 percent in April. This pattern held steady in May, while the other counties experienced some recovery.

On the rail side, Metro reported a 68 percent decline in April and 63 percent decline in May, year-over-year, while Metrolink reported a 90 percent decline for both months. Transit agencies adapted quickly to new travel needs by consolidating service, shifting operations, and increasing sanitation on vehicles. But these measures are not enough — the long-term viability of transit is at risk as service needs continue to outpace revenue. Protecting and enhancing transit remains a priority.

³ http://www.scag.ca.gov/Documents/scag-COVID-19-White-Paper_FINAL_2020-0514.pdf

Throughout the pandemic, transit has remained critical to response and recovery by providing mobility to essential and frontline workers and those without other transportation options.

According to the California Transit Association (CTA), today 56 percent of transit riders are female, most transit riders are Black and Latinx, 20 percent work in health care services and almost the same in food preparation. As the stay-at-home orders are lifted and the economy begins to reopen, safety and physical distancing requirements present a challenge to operators already facing funding shortfalls. Not only will transit agencies be confronted with increased costs due to cleaning and disinfecting, but they may need to operate more vehicles at greater frequencies to meet demand while still allowing for a 6-foot separation between passengers. Transit agencies led by organizations such as CTA and the American Public Transportation Association (APTA) are seeking ways to reposition their role as mobility providers in a post-pandemic world, including the use of technology such as contactless payment systems and new mobility options where they are more cost-effective. Strategies such as dedicated bus lanes and traffic signal prioritization will also be critical to maximize frequency and reliability in high ridership corridors when demand increases, to accommodate the reduction in vehicle capacity that is necessary to support physical distancing.

In terms of automobile travel, stay-at-home orders issued in March led to huge short-term reductions in vehicle miles traveled (VMT) in the SCAG region, reaching the lowest point in early April of nearly 80 percent compared to the average daily VMT for January 2020 based on StreetLight data. The most significant declines were seen in Los Angeles, Orange, and Ventura Counties. Daily VMT has risen steadily since the low point, growing around 2.9 percent per week with the reopening of some public spaces and businesses. Longer-term forecasts of VMT depend on several factors. Historically, VMT has decreased in the short-term during past economic recessions but increased in the long term in the SCAG region. Although increases in telework, either on a short-term or permanent basis could lead to a decrease in VMT, travelers switching modes from transit to personal car due to health concerns, and possible service reductions, could put upward pressure on VMT. These behavior shifts could increase congestion even more so than what we faced before the pandemic, and contrary to the mobility and sustainability goals of Connect SoCal. This very possible scenario suggests that the land use and transportation strategies of Connect SoCal are even more important than ever before.

Goods Movement: The pandemic has had varying impacts on different freight modes and components of the global supply chain. This has presented significant issues as freight supply chains have been dealing with pandemic-related impacts as early as February, stemming from China's earlier lock-down period, which led to reduced container volumes at the Ports of Los Angeles and Long Beach for the year. At the same time, air cargo facilities have witnessed increasing freight volumes as essential goods and e-commerce online ordering has intensified with major freight integrators such as Amazon, FedEx, and UPS leading the way. Trucking has also witnessed volatility as early spikes in freight were driven by the lock-down in California and essential goods deliveries,

which has conversely led to weaker demand afterward. Railroads have correspondingly witnessed intermodal container declines, with automotive freight seeing the worst low points throughout the lock-down period. Border crossing activity has also fallen off substantially as a result. These trends only reflect the initial circumstances as the impacts from the pandemic continue to evolve.

The supply chain has proven resilient in how it has managed the challenges thus far. However, longer term implications such as more e-commerce online ordering, and shifting uses of space at current retail locations throughout the region will have impacts on the development of facilities and the flow of goods. Considerations of industrial, commercial, and retail square footage shifts will be highly important to analyze, especially as industrial uses add more capacity for fulfillment, sortation, and local delivery facilities to meet increasing online order demand. Other issues will continue to consider the dynamics between off-shoring, near-shoring, and re-shoring, which will also impact manufacturing and distribution systems. As these shifts occur holistically over time, each freight mode will be impacted differently, as will the infrastructure that they rely upon.

Aviation Forecasts: Similar to other transportation modes, air travel suffered immediate and significant impacts. Air passenger traffic in the SCAG region was down by almost 60 percent in March 2020 compared to March 2019 and by 96 percent in April 2020 compared to April 2019. While air travel demand has seen dramatic declines, aircraft operations in the region have not declined proportionately, most likely because the airlines are operating significantly below capacity. Overall, aircraft operations were down by about 60 percent in April 2020 compared to April 2019. For the 2024 RTP/SCS development, SCAG will need to reassess these changes to air and passenger cargo activity in order to update the Aviation and Airport Ground Access Technical Report which examines how the traffic coming and going from the airports affects the region's roads, highways, and transit system.

Housing Production Challenges: Although many current projects throughout the region are maintaining momentum through the entitlement and construction process, concerns remain about the long-term impacts of the current pandemic and economic downturn on housing production, in particular the affordable housing funding and production. Many city and county budget cuts are reducing staffing capacity and extending timelines for permitting, review, and approvals. Local affordable housing funds are at-risk as cities and counties shift resources to cover anticipated budget gaps. Economic uncertainty is leading to delays and/or reductions in financing for new projects, and physical distancing requirements are affecting construction timelines. Despite these challenges, many jurisdictions have successfully transitioned to online systems for document submittals, payments, and inspections that will likely remain in practice for the long-term. Although approval processes are slower, projects in the pipeline are still moving. In terms of housing finance, lending institutions and investors are becoming more conservative in funding new projects, and potential non-payment of rent threatens operating incomes for developers and local housing authorities that manage properties, which is a particular challenge for affordable housing

developers. SCAG will continue to monitor housing production and reflect any changes in longer term trends in the 2024 RTP/SCS.

Emerging Issues in the Region

We do not yet know how the pandemic will reshape our communities, at least not in the long term, and though we still may be in the early days, some profound changes have occurred in our daily habits, the way we live, work, and learn.¹ In the face of uncertainties, many communities are dedicating time to contemplating the kind of future they want. Together, as a region, we can plan for this future. To that end, SCAG staff have identified multiple emerging issues that will likely need to be addressed in the 2024 RTP/SCS.

Overarching Issues

Equity: In July SCAG's Regional Council made a commitment to advancing justice, equity, diversity, and inclusion throughout Southern California. If our region is going to be healthy, livable, sustainable, and resilient, we need to dramatically improve outcomes for low income families and communities of color. A range of economic and social impacts such as health outcomes, education, employment, housing conditions, the likelihood of incarceration, and life expectancy, vary vastly in the region based on race, income and places. While transportation and land use decisions are shaping neighborhoods, they are also influencing health outcomes, access to education and employment, housing conditions, and life expectancies. Low income communities of color, people with disabilities, and other marginalized communities continue to bear the greatest burdens related to the transportation system and housing, while facing the most limited access to jobs, goods, and services. The pandemic has exacerbated these inequities, as Black and Latinx Southern Californians are more likely to hold essential jobs, commute on crowded buses, and live in multigenerational households — all of which have led to higher rates of exposure and transmission. To address persistent inequities, SCAG has initiated internal work on an equity effort, which will include development of an equity framework that will inform many areas of planning, including inclusive economic recovery, development and job creation, active transportation, goods movement, housing, performance, programming, public health, public participation, sustainability, transit/rail, transportation finance, and transportation safety.

Resilience: The pandemic has strengthened the imperative to build regional resilience to weather sudden and unexpected shocks to our systems such as wildfires, earthquakes, and pandemics, and to address chronic stresses to our systems such as economic security, climate change, and aging infrastructure. Regional resilience prepares communities to utilize available resources to respond to, withstand, and recover from disruptions. The impact of these disruptions will vary considerably across the region by the degree to which they impact public health, economy, built environment, transportation systems, goods movement, housing and water supplies, and natural resources. The current pandemic has confirmed that building a more resilient region will require addressing the

needs of vulnerable populations and neighborhoods that are least equipped to handle the impacts of unexpected shocks that may exacerbate chronic stresses (e.g., unaffordable housing, food insecurity, etc.). We will need to work to address our risks and chronic stresses and reduce our vulnerabilities so that we can lessen the impacts of shocks and shorten the road to full recovery. This work will necessitate strengthening existing partnerships and forming new ones, and fortifying our collective resources to generate a regional resilience framework, strategies, and tools and resources for our communities.

Economic Issues

Digital Divide: High-speed internet access, referred to generically as “broadband” and including both wired and wireless technologies, is considered as essential as electricity for daily life during the pandemic. Schooling, jobs, government services, medical care, and grocery shopping and many other consumer purchases, activities that once were performed in person, have transferred to the internet. Even outreach on community plans and projects has migrated to the internet. We depend on the internet more than ever to conduct these essential activities as well as to keep informed and entertained, and to maintain social connections. This dependence on the internet for core functions is exposing a digital divide.⁴

Though internet usage and broadband access are at all-time highs, only 74 percent of households have broadband subscriptions at home — the type of internet speed people need to effectively engage in online activities such as school. Gaps in access to broadband persist for low-income, less educated, rural, Black, and Latinx households. Between 54 percent and 67 percent of these households had broadband subscriptions in 2017, compared to 74 percent for all households, and among low-income households without broadband, 25 percent cited affordability as a key barrier. These households were more likely to rely on cellphones to access the internet.⁵ Cellphones as well as slower speed internet connections cannot be depended upon for online schooling and other critical activities. In the past few months there have been multiple news reports of people stationed in parking lots outside of libraries, schools, coffee shops, and fast food restaurants to find a reliable signal.⁶ Locating sources of free internet may become even harder as coffee shops and other retailers whose business models cannot adapt, may close for business permanently. In the current pandemic, lack of high-speed internet access has serious ramifications – it limits the opportunities for schooling instruction⁷ and increases the likelihood that people risk exposure to the coronavirus because they cannot conduct more of their business online (e.g., medical care, grocery and supplies

⁴ <https://www.brookings.edu/blog/education-plus-development/2020/06/22/unequally-disconnected-access-to-online-learning-in-the-us/>

⁵ <https://www.ppic.org/publication/californias-digital-divide/>

⁶ <https://www.nytimes.com/2020/07/18/opinion/sunday/broadband-internet-access-civil-rights.html>

⁷ <https://edsources.org/2020/more-california-students-are-online-but-digital-divide-runs-deep-with-distance-learning/630456>

shopping, etc.). More information and analysis are needed on where broadband access gaps exist as it clearly impacts the ability of our region to thrive.

Tele-Everything:

- Telework: Connect SoCal includes a discussion on teleworking in the region, which prior to the pandemic, was not significant — only around 6 percent of employees were teleworking. These figures necessarily surged as a result of the pandemic. At the national level, it is estimated that 35.2 percent of workers who were employed in early March switched to working at home by the first week of April.⁸ Some maintain that higher levels of teleworking are unlikely to persist post-pandemic. They point to past events such as earthquakes and transit stoppages that have not resulted in sustained changes, and they note that there are clear benefits to in-person work, such as face-to-face interactions and communication, and limitations to telework such as home/internal constraints.⁹ Others assert that this sustained experience (i.e., not a short-term event, with a clear beginning and end) is different from past work disruptions and cannot be considered a temporary aberration. They argue that the experience this time has been different because in many organizations, everyone has been required to telework (i.e., there is not opt out) and all staff have strived to figure out how to overcome the challenges. Further, reverting to prior norms might not be possible, considering some significantly sized organizations have already offered to allow their employees to work remotely permanently and in doing so, they have established terms for what future employment will be and what employees will seek as a benefit. To adapt, some organizations are conceptualizing their future office space as an add-on to virtual work, as opposed to the default for where people work. To the extent that teleworking levels may remain elevated once the pandemic is contained, this could have a multitude of implications for planning, including reconsidering land use needs (e.g., less demand for office space and repurposing old office space), and transportation (e.g., reduced congestion).

It is important to recognize that most jobs (at least 63 percent¹⁰) cannot be performed entirely at home and require that workers be physically present at their worksites. Recent research from the US Bureau of Labor Statistics has found that workers with less education tend to be in jobs in which working at home is not feasible, as is the case for workers who are younger than 25, not married, or Latinx. Teleworking is also less feasible in part-time jobs. Teleworking is generally feasible in management, professional, and administrative support jobs, but not in most service, construction, transportation, and production jobs. Similarly, while telework feasibility is high in the information, financial activities, professional and business services, and public administration industries, it is low in the

⁸ <https://www.nber.org/papers/w27344.pdf>

⁹ <https://uttri.utoronto.ca/files/2020/06/Mokhtarian-iCity-CATTS-symp-Wkg-from-home-will-it-be-different-this-time.pdf>

¹⁰ https://bfi.uchicago.edu/wp-content/uploads/BFI_White-Paper_Dingel_Neiman_3.2020.pdf

leisure and hospitality, agriculture, and construction industries.¹¹ Teleworking can help to reduce VMT and related emissions, for every 10 percent of workers who telework, the average VMT per day is expected to decrease by 3.4 percent. Though teleworking is unlikely to affect the multitude of jobs that cannot be performed from home, the increased participation rates of those who can telework may push the digitalization of our economies and society even further and potentially alter our transportation and land use needs.

- **Telehealth:** Since the start of the pandemic there have been changes in the way that health care is delivered to reduce exposure to ill persons, preserve personal protective equipment, and minimize the impact of patient surges on facilities. Using technology that already exists and devices that many people have in their homes, medical practice over the internet can result in faster diagnoses and treatments, increase the efficiency of care and reduce patient stress. While telehealth technology and its use are not new, widespread adoption among health care providers and patients beyond simple telephone correspondence has been relatively slow.¹²¹³ Before the pandemic, trends showed some increased interest in use of telehealth services by both health care providers and patients.¹⁴¹⁵ However, recent policy changes during the pandemic have reduced barriers to telehealth access and have promoted the use of telehealth as a way to deliver acute, chronic, primary, and specialty care.¹⁶ More widespread use of telehealth, similar to telework and distance learning will have impacts on traffic congestion, and perhaps even the physical space required for medical practices.
- **Distance Learning:** This spring the pandemic disrupted educational systems without notice, and educators at all levels had to scramble to respond. This summer Governor Newsom announced that all K-12 schools in California counties with rising COVID-19 infections should close for in-person instruction. As a result, 90 percent of California’s more than 6 million students could start the school year with distance learning.¹⁷ Distance learning, particularly for K-12 students has significant impacts beyond the quality of the education students are

¹¹ <https://www.bls.gov/opub/mlr/2020/article/demographics-earnings-and-family-characteristics-of-workers-in-sectors-initially-affected-by-covid-19-shutdowns.htm>, https://www.bls.gov/opub/mlr/2020/article/ability-to-work-from-home.htm#_edn2

¹² Tuckson RV, Edmunds M, Hodgkins ML. Telehealth. *N Engl J Med* 2017;377:1585-92.

¹³ Harvey JB, Valenta S, Simpson K, Lyles M, McElligott J. Utilization of outpatient telehealth services in parity and nonparity states 2010–2015. *Telemedicine and e-Health*. 2019 Feb 1;25(2):132-6.

¹⁴ <https://www.ama-assn.org/system/files/2020-02/ama-digital-health-study.pdf>

¹⁵ Martinez KA, Rood M, Jhangiani N, Kou L, Rose S, Boissy A, Rothberg MB. Patterns of use and correlates of patient satisfaction with a large nationwide direct to consumer telemedicine service. *Journal of General Internal Medicine*. 2018 Oct 1;33(10):1768-73.

¹⁶ <https://www.liebertpub.com/doi/10.1089/tmj.2020.29040.rb>

¹⁷ <https://calmatters.org/commentary/my-turn/2020/07/students-can-learn-during-school-closures-but-a-new-approach-is-needed-for-distance-learning/>

receiving, and that is assuming students have the appropriate equipment, internet access, and caregiver support. Distance learning has implications for caregivers who may not be able to telework and caregivers who cannot balance work and assisting with distance learning. It could result in more unemployment or reduced family earnings. There are also food security issues for those who participate in free or reduced-price lunch programs. Distance learning for those in college also presents issues, including economic impacts to college communities (e.g., potential retail/commercial closures, reduced sales tax revenues, etc.). Overall, distance learning will have impacts on congestion. Prior to the pandemic, distance learning had already grown to represent a substantial share of postsecondary education with 16.6 percent of national university students pursuing completely online degree programs and 35.3 percent taking at least one long-distance course in fall 2018.¹⁸ While similar challenges have been experienced in transitioning a wide range of college courses online, it is likely that a higher share of postsecondary students will be online following the pandemic.

E-Commerce: E-commerce sales continue to grow in their share of total U.S. retail sales, now making up almost 15 percent of total annual US retail sales. This trend has accelerated in 2020 due to the pandemic, with some goods seeing exponentially greater demand. Concurrently, newer e-commerce business models including used car sales have begun scaling rapidly, continuing to expand online penetration across retail sales industries. The resiliency and importance of e-commerce and the delivery of goods throughout the pandemic cannot be underscored enough. E-commerce demand has transcended the supply chain as stresses on the system have related to the high priority of essential goods (leading to inventory and stocking challenges) which has led major companies such as Amazon to only allow for purchase and delivery of certain items at times. The future shift for e-commerce growth is poised to further accelerate over the long-term. Additionally, continued growth in online sales has many implications for long-term regional planning. First, retail is a key generator of nonwork travel¹⁹ therefore changes in physical retail establishments or shifts in consumer behavior have implications for transportation more broadly such as the length and frequency of shopping trips, including trips generated from the return of online purchases, have considerable implications for regional planning. Second, retail is an integral element of urban design and can help promote areas that are walkable, bike and pedestrian friendly, and have a strong sense of community and place.²⁰ Finally, retail is an important component of economic development, particularly in California where property tax is fixed and sales tax is a crucial element of both municipal finances and transportation funding. Research has begun to explore what e-commerce and changing retail dynamics may mean for personal travel and goods movement, as

¹⁸ <https://nces.ed.gov/fastfacts/display.asp?id=80>

¹⁹ Handy, S. (1993). Regional versus local accessibility: Implications for nonwork travel. *Transportation Research Record: Journal of the Transportation Research Board*, 1400, 58-66.

²⁰ Chapple, K., & Jacobus, R. (2009). Retail trade as a route to neighborhood revitalization. In N. Pindus, H. Wial & H. Wolman (Eds.), *Urban and Regional Policy and Its Effects (Vol. 1)*: Brookings Institution Press.

well as potential implications for both municipal finance and the built environment. Nevertheless, more information is needed to understand how e-commerce is impacting sales in local businesses and what those changes may mean for when and where retail establishments flourish. Though researchers note that the “death of retail” is highly exaggerated, the retail sector is seeing shifts in how firms operate in terms scale, location, and concentration of establishments.²¹ These shifts have implications for how communities in our region use or repurpose land for other uses, such as housing.

Repurposing Land Uses: Related to the trend of growing e-commerce is the question of what to do with the land that was formerly used for retail. In 2018, SCAG and the Orange County Business Council explored this question in a joint white paper.²² One key finding from this study was that commercial and retail land has more than five times the infill and refill potential of other land-use types and much of this land was located in high quality transit areas. While this study provides evidence of the overall promise of such opportunities especially as locations for additional housing, local and site-specific analysis and engagement will be needed. Over the next year, local jurisdictions in the SCAG region will look to accommodate their Regional Housing Needs Assessment (RHNA) targets as they update their 6th cycle housing element updates and opportunities such as these may hold promise in many places. Besides the potential for additional housing, land uses may be repurposed as fulfillment centers to facilitate e-commerce goods distribution, or retail locations may function — as they were even before the pandemic — as a bridge between the online shopping and in-person experiences. In general, the repurposing of land use will depend on many factors such as the square footage size of retail locations which may lead to the transition to other surviving retail establishments instead of repurposing to other uses. During outreach SCAG conducted this summer, many stakeholders noted the permanent closure of many small businesses within their communities and expressed concern over vacancies as well as requests that SCAG research ways to redevelop underperforming commercial areas. Additionally, if the trend of increased telework persists, this may reduce demand for office space and lead to a repurposing of these land uses. More information and time are needed to track how this trend will evolve in the SCAG region.

Healthy Communities

Connectivity, Not Density: Healthy communities are the basis for creating and maintaining economic activity. Since the start of the pandemic many have been debating whether this experience will motivate departures from urban centers. At the beginning, New York City appeared to be the cautionary tale of how urban life could encourage the transmission of the coronavirus. However, now suburban counties and cities, even those within our region, are reporting worse coronavirus

²¹ Hortaçsu, Ali, and Chad Syverson. 2015. "The Ongoing Evolution of US Retail: A Format Tug-of-War." *Journal of Economic Perspectives*, 29(4): 89-112

²² <http://scag.ca.gov/Documents/RetailLandUseReportInOC.pdf>

case rates per capita than the densest cities,²³ and recent research of more than 900 metropolitan counties shows no direct relationship between density and COVID-19 infection and mortality rates. The research found that death rates were lower in denser counties and higher in less dense counties, “at a high level of statistical significance.”²⁴ They concluded this was because residents in densely populated counties had more access to better hospitals and health care systems (i.e., greater ability to seek and receive quality care) and services such as food delivery, which make it easier to maintain physical distance, thereby reducing exposures, and enabling shelter in place. The research pointed to the role “connectivity” — rather than density — plays in the spread of COVID-19. It appears that large metropolitan areas and megaregions, like SCAG, with a higher number of counties tightly linked together through economic, social and commuting relationships are the most vulnerable to the pandemic outbreak. Because regional connectivity is integral to our functioning and ability to thrive, it is even more critical to work towards regional resilience so that when these types of public health shocks occur, they can be handled effectively. These findings suggest that sprawling areas are no more immune to the pandemic than areas with density, and that it remains important to plan for compact places because of the evidence-based environmental, transportation, health, and economic benefits. Connect SoCal includes data in the Performance Measures, Active Transportation, and Public Health Technical Reports which detail the health benefits of a more compact, sustainable, and integrated region such as increased physical activity and a reduction in asthma rates and other chronic diseases, contributing to regional resilience. SCAG will continue to track health performance across the region to confirm that these trends hold consistent in the face of the pandemic.

Housing: Overcrowding, Affordability, and Displacement: The pandemic has also exposed the health issues that come with overcrowded housing. In Connect SoCal we noted that 15.3 percent of all renter-occupied housing is overcrowded in our region, which is higher than the statewide figure of 13.4 percent or more than 5 million Californians living in overcrowded housing. Recent research has found that many of the people living in these homes are essential workers live with at least one essential worker, and health experts say this creates a perfect storm for the coronavirus: People bunched together at night and on the frontlines during the day, exposed to a lot of people both at work and at home.²⁵ These conditions were concerning before the pandemic, too, due to other communicable diseases that thrive in overcrowded housing (e.g., tuberculosis, fungal infections, etc.).²⁶ This issue of overcrowded housing is inextricably tied to housing affordability. The aftermath of the pandemic is projected to lead to significant housing disruptions, such as displacement once local eviction moratoriums are lifted. This may then lead to homelessness or even more overcrowding as households double up. The affordability and homelessness crisis is not new to

²³ <https://www.latimes.com/california/story/2020-07-17/coronavirus-is-now-spreading-faster-in-the-suburbs-than-in-la-county>

²⁴ <https://www.tandfonline.com/doi/full/10.1080/01944363.2020.1777891?nav=b0002&>

²⁵ <https://calmatters.org/projects/overcrowded-housing-california-coronavirus-essential-worker/>

²⁶ <https://calmatters.org/projects/californias-housing-crisis-causes-illnesses/>

Southern California. During the public outreach conducted for Connect SoCal, this was one of the primary concerns of residents across the region. SCAG will continue to strengthen and promote the utilization of the Environmental Justice Toolbox (contained in the Connect SoCal Environmental Justice Technical Report) as related to healthy and safe housing and tenant protection particularly for low income renters. In addition, through new state funding made available in 2020, SCAG is developing additional programs to promote the acceleration of housing production, with a focus on providing tools for subregions to develop solutions that work well in different parts of Southern California.

Public Spaces and Short Trips: Staying closer to home because of the coronavirus has shown many people what their communities can be like with less traffic, noise, congestion, and pollution. Numerous communities are reconsidering how public space is allocated and several have prioritized opening up streets to pedestrians and bicyclists in order to make it easier to physically distance from others while traveling to essential businesses and work, and engaging in recreation.²⁷ Others have closed streets to allow expanded space for outdoor dining.²⁸ If people continue to telework or remain inclined to avoid modes that involve interfacing with others, it is possible to imagine that more people could choose to make more trips, particularly short trips, on foot or by bike, if it is made convenient. This may be an opportunity to provide more pedestrian and bicycling facilities.²⁹ Considering the recent funding impacts to local jurisdictions, it could be helpful to explore how to improve access to the necessities of life within easier reach of residents, both existing and new, without having to build a lot of costly new infrastructure. However, concerns have been raised regarding whether public space is being allocated in a way that is serving community needs. More specifically, some have highlighted the importance of involving Black, Latinx and Asian communities, groups that have historically been excluded in discussions and decision-making regarding public spaces.³⁰

These emerging issues cannot be considered in isolation — there are interdependencies across them all. For example, increased teleworking may reduce VMT for some workers, but for the larger share of workers unable to telework, reduced transit frequencies or public health concerns associated with group travel may lead to increased driving and negate any regional reductions due to teleworking. And those teleworking will still be making short trips, which could result in increased VMT, if transportation and land uses are not conducive for non-auto trips. The emerging issues identified today can be disrupted by national or global events — those well beyond our ability to forecast — as we have seen since early 2020. In the near term, SCAG intends to either continue to research or initiate new research on these emerging trends and issues, in partnership

²⁷<https://e360.yale.edu/features/the-pandemic-has-taken-cars-off-urban-streets.-will-it-last>

²⁸<https://www.ocregister.com/2020/07/09/orange-closes-glassell-street-in-old-towne-orange-to-make-room-for-outdoor-dining/>

²⁹<https://www.vtpi.org/PRCP.pdf>

³⁰<https://www.bloomberg.com/news/articles/2020-06-08/-safe-streets-are-not-safe-for-black-lives>

with other organizations and institutions, to better evaluate the long-term impacts to the region. As SCAG begins the development of the next RTP/SCS, it will be critical that we reexamine emerging issues and trends in order to better conduct the analysis necessary to put forth a plan that addresses the region's needs.

FISCAL IMPACT:

Work associated with this item is included in the current Fiscal Year 2020/2021 Overall Work Program (310.4874.01 Connect SoCal Development).

ATTACHMENT(S):

1. CBO Connect SoCal Focus Group Feedback Memo
-

SCAG Scenario Outreach Services
Connect SoCal Focus Group Feedback Memo

I. BACKGROUND AND CONTEXT

As part of the continued engagement for the development of *Connect SoCal*, the 2020 Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS), SCAG retained Estolano Advisors and Investing in Place to implement a Community Partner Program to seek input from diverse constituencies across Southern California. In particular, this outreach focused on populations that have traditionally been underrepresented in formal planning processes, including the following groups: (1) children and youth, (2) individuals with access and functional needs, (3) low-income communities of color, (4) older adults or retired persons, (5) populations with limited English proficiency, and (6) women and female-headed households.¹ This memo provides an overview of the virtual engagements that took place amidst a global pandemic and mass civil uprisings; summarizes focus group feedback and outcomes; and recommends a set of action items for SCAG to leverage its role as a policy think tank and convener, grantmaker, and data clearinghouse.

Impacts of the Global Pandemic and Nationwide Civil Unrest

In March 2020, while the final *Connect SoCal* Plan was in development, the World Health Organization (WHO) declared the coronavirus disease (COVID-19) outbreak a global pandemic.² Throughout the SCAG region, the impacts of the pandemic and the accompanying Stay at Home orders across the state of California have exacerbated many long-standing inequities, challenges, and concerns that SCAG's community partners brought to light during the initial engagement process in spring 2019. COVID-19 has especially amplified concerns around housing affordability, evictions, displacement, limited transportation options that allow for safe social distancing, and environmental justice.³ As a result, SCAG is considering how *Connect SoCal* can best be positioned as a tool for recovery and regional resilience.

In the midst of the pandemic, we are also witnessing mass uprisings, protests, and a collective reckoning with persistent legacies of white supremacy, discriminatory policing, and racial injustice. Although this movement is not new, the deaths of Ahmaud Arbery, Breonna Taylor, George Floyd, and countless other Black Americans at the hands of police and civilians alike have catapulted these issues to the forefront. The unprecedented social and economic impacts of the pandemic stacked with the personal safety concerns of Black, Indigenous, and People of Color has refocused the dialogue about regional planning needs and priorities. This includes reexamining how conventional policymaking perpetuates systemic racism and other

¹ In addition to these groups that have been traditionally underrepresented in formal planning processes, future SCAG outreach should also specifically target rural and tribal communities.

² World Health Organization (2020, March 11), <https://www.who.int/dg/speeches/detail/who-director-general-s-opening-remarks-at-the-media-briefing-on-covid-19---11-march-2020>.

³ Connect SoCal Feedback Memo (2019, July 19), <https://www.dropbox.com/s/h9o5507vp21u0bm/071919%20SCAG%20Scenario%20Outreach%20Feedback%20Memo.pdf?dl=0>

socioeconomic inequities, while also articulating interventions that advance equity, inclusion, and justice.

As a long-range visioning plan, *Connect SoCal* builds upon and expands land use and transportation strategies to increase access to mobility options by making connections between transportation networks, planning strategies, and collaborative partnerships to improve the quality of life for all Southern Californians. The combined impacts of the pandemic, public health, personal safety concerns, and calls to fundamentally reconceptualize law enforcement practices emphasize the need for sustainable, inclusive, and equitable engagement processes. These processes will help ensure that transportation and land use policies genuinely reflect regional and community priorities, concerns, and disparities.

Delayed Adoption of the Connect SoCal Plan

On May 7, 2020, the SCAG Regional Council adopted Resolution No. 20-621-1, which certified the *Connect SoCal* Program Environmental Impact Report (PEIR) and approved the plan for federal transportation conformity purposes only.⁴ The Resolution gives the Council more time to review the plan and consider its implications given short and long-term impacts of the pandemic as requested by stakeholders. The Regional Council will consider approval of the plan in its entirety and for all other purposes within 120 days from May 7, 2020.

II. VIRTUAL ENGAGEMENTS OVERVIEW

In May and June 2020, SCAG, Estolano Advisors, and Investing in Place invited non-profit partners, who were previously engaged during the *Connect SoCal* plan development and feedback phase, to participate in a series of virtual engagements. The goal of these engagements was to (1) use *Connect SoCal's* “[Key Connections](#)” as a touchstone to expand conversations with community partners, and (2) foster discussion to assist with near-term COVID-19 response efforts while supporting longer-term policy goals. SCAG also emphasized that the virtual engagements provide an opportunity to examine what planning and research can be done now in preparation for the next RTP/SCS process to ensure more inclusive data and policy development.

Scope of Work

The additional scope of work included (1) up to 10 executed MOUs with community partners, (2) attendance for up to two staff from each organization to a series of two 2-hour listening sessions hosted by the consultant team. These virtual sessions provided an opportunity to compensate community partners to give feedback and insight to SCAG about the proposed final plan, as well as impacts to each organization and community in relation to COVID-19.

⁴ SCAG Regional Council Meeting Report (2020, July 2), <https://www.connectsocial.org/Documents/Agendas/rc070220agn04.pdf>.

Focus Group Participants

Community Partner participants included seven (7) non-profit organizations: (1) Abundant Housing LA, (2) People for Mobility Justice/Ride in Living Color, (3) Strategic Actions for a Just Economy, (4) TRUST South LA, (5) Kennedy Commission, (6) Santa Ana Active Streets, and (7) Alianza Coachella Valley. These entities represent constituents in Los Angeles, Orange, and Riverside Counties.⁵

Discussion Topics

Suggested topics of discussion included how community needs and transportation priorities have shifted, *Connect SoCal* Key Connections, upcoming guideline development for SCAG’s Sustainable Communities Program, and additional themes that emerged from the first focus group. The final group formats shifted to prioritize top-of-mind concerns and considerations in light of the pandemic and civil unrest. Participants were given the opportunity to voice these priorities and guide the direction of the discussion. The final objectives for each focus group session included:

Focus Group #1 Objectives	May 27, 2020
<ol style="list-style-type: none"> 1. Offer feedback to SCAG on the adopted <i>Connect SoCal</i> plan; 2. Discuss community needs and priorities related to the plan; and 3. Strategize on implementation amid pandemic response and recovery efforts 	
Focus Group #2 Objectives	June 9, 2020
<ol style="list-style-type: none"> 1. Review existing equity elements within RTP/SCS plan; 2. Discuss how regional planning for transportation, housing, and land use can center racial equity and social justice; and 3. Gather additional input on Key Connections in the context of public safety, enforcement, and transportation safety for the adopted <i>Connect SoCal</i> plan 	

In advance of the first Focus Group, participants received a brief survey to provide input on their priorities for discussion topics. During the second Focus Group, the agenda shifted to reflect current conversations around race, justice, and equity issues, while still aligning with the original goals regarding *Connect SoCal* and immediate pandemic response strategies. Participants completed a poll during the session and were split into breakout groups for a more targeted discussion. Final discussion topics included:

Focus Group #1 Discussion Topics
<ol style="list-style-type: none"> 1. Shifting Community Needs and Transportation Priorities 2. Affordable Housing, Gentrification, and Displacement 3. Impacts on Environmental Justice and BIPOC Communities

⁵ Organizational background information can be found in the Connect SoCal Feedback Memo (2019, July 19), <https://www.dropbox.com/s/h9o5507vp21u0bm/071919%20SCAG%20Scenario%20Outreach%20Feedback%20Memo.pdf?dl=0>

Focus Group #2 Discussion Topics

1. Redefining Transportation Safety to Focus on Equity and Enforcement Concerns
2. Connecting COVID-19 Recovery Strategies to Address BIPOC Personal Safety Concerns
3. SCAG's Potential Role in Facilitating a Just Recovery

The next section provides a summary of the discussion and feedback received.

III. FEEDBACK SUMMARY

In both focus groups, community partners reemphasized issues initially raised during the spring 2019 outreach process, while also expressing additional concerns amidst the pandemic, civil unrest, and other recent events. Communities across the SCAG region maintain the need to set forth a visionary plan that promotes progressive land use and transportation policies that meet regional climate adaptation and resilience goals. Current events have amplified community concerns about public safety and enforcement, public health, housing availability and affordability, evictions, limited alternative transportation options, and displacement. *Connect SoCal*, along with future regional plans, can more explicitly raise these concerns and identify specific interventions that reduce inequities.

Focus Group #1 Outcomes – Prioritizing Immediate Pandemic Response

The discussion centered around immediate pandemic response needs related to shifting community priorities and how *Connect SoCal* can begin to address these key points through implementation in a post-pandemic context. Three (3) major themes emerged from the discussion: (1) Housing and food insecurity, (2) transportation access and equity, and (3) regional recovery and stability. Participants also identified key priorities SCAG should focus on during *Connect SoCal* implementation in a post-pandemic world.

1. Housing, Food, and Basic Needs Insecurity

As a direct pandemic response, focus group participants shared pressing community concerns related to housing, food, and economic insecurity across rural communities in the Coachella Valley, and low-income communities and unhoused individuals throughout Los Angeles and Orange Counties. These concerns include access to basic resources for healthy, quality, and affordable food (e.g. walk-up food pantries); reliable broadband and internet service; providing rent relief and expanding eviction moratoriums; as well as offering financial assistance (e.g. cash relief, small business loans, and unemployment support).

Implementation Priorities

- a. Evaluate RHNA targets to expand housing supply in denser urban centers with reliable access to high-quality transit and proximity to job centers, especially in high-income, high-opportunity neighborhoods and cities;
- b. Address stark differences between housing and resource needs in urban and rural areas (e.g. quality and lack of basic infrastructure to expand farmworker and rural housing; lack of affordable housing in proximity to jobs);
- c. Target affordable housing development in areas where exclusionary zoning predominates, with an emphasis on expanding housing options in high-income and high-opportunity areas to help reduce impacts of gentrification and displacement in low-income and historically disinvested communities;
- d. Support local jurisdictions and advocacy efforts to expand and strengthen tenant protections;
- e. Pursue policies that preserve existing affordable housing / naturally occurring affordable housing (NOAH) units and incentivize affordable housing construction as part of regional recovery efforts;
- f. Leverage resources for community-based housing acquisition and/or establishment of community land trusts as an anti-displacement strategy
- g. Expand data gathering methodology to monitor displacement impacts from new real estate developments and land use policies;
- h. Specify land use interventions that foster community resilience to help address food insecurity issues.

2. Transportation Access and Equity

Participants expressed concerns about the needs of “essential” and “frontline” workers and ensuring these workers have equitable transportation options to access jobs and other necessary resources. Even at the height of the public health crisis, Los Angeles Metro remains one of the few regional transit systems that did not experience drastic drop-offs to daily bus ridership, highlighting that reliable and frequent bus service is a lifeline for so many residents who live and work in the region.

In urban areas, there has also been a marked increase in active transportation, recreation, and usage of public space and right of ways. Rural areas, in stark contrast, are experiencing higher dependence on cars and vehicles due to deferred road and other public infrastructure maintenance and lack of frequent and reliable transportation services (e.g. bus, rail, vanpool, etc.). Many of these families often only own one car, if any, so must rely on neighbors and other networks to run essential errands, go to medical appointments, do laundry, etc.

Implementation Priorities

- a. Support existing advocacy efforts to reexamine policing and enforcement practices to transform regional transit systems into sanctuaries for low-income workers and vulnerable communities; (
- b. Enhance programs and services provided by transit agencies, including free and/or subsidized fares and increased frequency of bus service;
- c. Invest in improving and upgrading bus stop shelters, sanitation, maintenance, and safety measures (e.g. hand sanitizer, lighting, shade structures, real-time info);
- d. Connect to larger Safe Routes to Schools initiatives and support advocacy for new bus shelters and traffic lights near schools;
- e. Prioritize rural infrastructure improvements.

3. Regional Recovery and Stability

Across the region, there are larger concerns about the path towards economic recovery and stability as we emerge from the pandemic. While *Connect SoCal* is primarily concerned with housing, transportation, and land use, community partners expressed support for positing the RTP/SCS as a holistic strategy for regional resilience. Additional considerations include the vastly different realities between urban and rural areas and the unique social and economic impacts on affordable housing, transportation access, job quality, and environmental degradation.

Implementation Priorities

- a. Support housing, transportation, and land use policies that prioritize the needs of essential workers and small entrepreneurs;
- b. Collaborate with community-level networks to uplift existing human infrastructure assets (e.g. neighborhood councils, mutual aid networks, food pantries, inter-generational networks);
- c. Engage in dialogue about the local and regional (urban vs. rural) impacts of gentrification and displacement;
- d. Invest in clear, consistent, and dynamic communication and messaging for hard-to-reach populations about public health risks and resources;
- e. Continue to facilitate conversations centering the needs and priorities of low-income communities of color.

Focus Group #2 Outcomes – Addressing Long-Term Systemic Inequities

The first focus group occurred shortly after George Floyd was killed and national protests for racial justice were starting to emerge. Giving the community partners time and space to process those events, we shifted this focus group to reflect current and topical conversations around race, justice, and systemic inequities amidst the turbulence of the continued impacts of the pandemic and civil unrest. Participants were asked to discuss how to redefine transportation safety with a focus on equity

and enforcement concerns; reframe pandemic recovery strategies to address personal safety concerns of BIPOC; and center racial equity and justice throughout SCAG's internal and external roles. Focus group participants discussed the following concerns and implementation priorities to ensure better data and policy development in preparation for the next RTP/SCS process.

1. Healthy Budgeting Processes

Participants are seeing increased community interest in steering public budget processes, especially relating to defunding the police and reinvesting in community-led, holistic approaches to care, health, and personal safety. These engagement practices involve deciphering complex budgets, dense policy documents, and opaque decision-making processes at various agencies. Participants emphasize that increased police budgets divert resources that can be used to invest in physical improvements that serve communities, such as infrastructure maintenance, public facilities and amenities, and other services and resources.

Implementation Priorities

- a. Support local and regional approaches to participatory budgeting processes to critically examine community-serving priorities fundamentally redefine policing and the role of law enforcement;
- b. Reduce barriers to entry for community-based organizations and advocacy groups to access funding sources and agency partnership opportunities.

2. Consistent Public Engagement, Data Access, and Messaging

Participants expressed an urgent need for continued public engagement (virtual and non-virtual), access to data, and consistent communication and messaging about public health and public safety issues, particularly geared towards low-income communities of color. Participants acknowledge the important role that data, both quantitative and qualitative, plays in enhancing outreach processes to help visualize complex concepts and break down funding resources.

Implementation Priorities

- a. Develop communications materials and protocols, in partnership with community partners, that can be widely distributed with messaging about moving safely in public spaces and what that means for different populations;
- b. Provide monetary compensation for people who provide data for research and for participation for in-person or virtual engagement meetings;
- c. Continue targeted outreach and engagement efforts to accommodate both virtual and non-virtual platforms (e.g. phonebanking, surveys).

3. Redefining Public Safety and Enforcement

Participants expressed how the criminalization of poverty and uneven enforcement of rules govern how BIPOC experience personal safety in public spaces and on transit. Within the RTP/SCS, participants raised the question

about Enforcement being included as part of the “5 Es” and why it continues to serve as a key component to achieve the safety goals. Participants discussed alternatives to enforcement, including the impacts of high fees for fare evasion and the financial barriers for purchasing a transit ticket or day pass; poorly lit and designed bus shelters and infrequent bus service; and conflating pedestrian safety with increased police presence to monitor drivers.

Implementation Priorities

- a. Invest in interventions and alternatives to traditional enforcement practices that will make vulnerable communities feel safer in public spaces and on transit;
- b. Highlight transportation equity recommendations in [Connect SoCal Appendix 2](#) to reframe the notion of transportation safety and better match resources to community needs (e.g. diverting funding for law enforcement to social workers on transit systems).
- c. Increase investments in safety improvements and crime prevention design elements for transportation infrastructure (e.g. lighting, bike/pedestrian amenities, traffic control and signaling, speed humps)

Final Takeaways

Both focus groups emphasized that the *Connect SoCal* plan must explicitly address regional differences between urban and rural communities; affordable housing linked to flexible transit options and access to jobs; transit improvements that prioritize access and mobility for low-income riders; specific and measurable anti-displacement policies; and strategies that ensure personal safety for Black Indigenous People of Color (BIPOC) bodies moving through public spaces. The following section proposes recommendations for SCAG to leverage its many roles as a metropolitan planning organization and invest in resources to better position the *Connect SoCal* plan and RTP/SCS process as a tool for regional resilience.

IV. RECOMMENDATIONS

SCAG serves a multidisciplinary role as a policy think tank, convener, grantmaker, and data clearinghouse. In keeping with the board’s recent [resolution](#) around equity and inclusion, the agency should actively invest resources to center racial equity and social justice throughout agency policies and practices both internally and externally. While there are existing equity elements within the RTP/SCS, the document can do more to embed equity, inclusion, and justice into the agency’s regional planning efforts.

Amidst the pandemic and civil unrest, many agencies, businesses, and organizations are making commitments to advance racial and economic justice through external efforts, but few are dedicating adequate resources looking internally to examine how existing policies and practices may create and contribute to cultural norms that silence, harm, and further marginalize people.

As the SCAG Regional Council considers final adoption of the *Connect SoCal* Plan and determines how to incorporate the feedback and outcomes from community partners and other stakeholders, there are several recommended actions that the

agency can explore now and in preparation for the next RTP/SCS update. These recommendations focus on how SCAG can leverage its various roles and decision-making power to set a precedent for advancing regional resilience strategies related to climate change, the current economic downturn, food and housing insecurity, public health crises, racial injustice, and other systemic inequalities through a truly holistic approach.

1) Policy Think Tank and Convener

As a policy think tank, SCAG can use its influence and reputation to recalibrate conversations around regional policies to actively address equity, inclusion, and justice. Currently, SCAG is developing an Equity Framework as a priority for the upcoming fiscal year and the focus group feedback may help inform how this framework takes shape. In addition, SCAG can use its existing platform to further policy research and development to center racial justice and social equity to encourage regional alignment, while also investing in additional resources to examine internal policies and practices.

a. Transportation Safety Symposium

SCAG is developing equity-focused transportation recommendations from the Transportation Safety Symposium [technical report](#), however in the current version of the *Connect SoCal Plan*, the technical report is deeply embedded in the Appendix and not considered a primary component of the plan. Given the focus group outcomes and community partners' feedback, SCAG can reposition future symposia to focus on how different communities (e.g. urban and rural, low-income, communities of color) define public safety among themselves and how to ensure that enforcement policies do not exacerbate personal safety concerns of marginalized populations. As a result, the next round of RTP/SCS policy goals could require each jurisdiction to establish benchmarks for racial equity and justice to address transportation safety issues that center historically marginalized populations.

i. Transportation Safety Working Group

SCAG should consider amending the scope and purpose of the current Transportation Safety Working Group, similar to the existing Environmental Justice Working Group, and continue to engage community partners on safety-related discussion topics and policy recommendations. The outcomes of this working group can directly inform the framework of future Transportation Safety Symposia.

ii. Regional Alignment on Transportation Equity Work

SCAG can begin coordinating its emerging equity work with local and County transportation agencies (e.g. LADOT, LA Metro, Metrolink, OCTA, Riverside Transit Agency, San Bernardino County Transportation Authority, Sunline Transit Agency) to

encourage regional alignment, set a groundbreaking precedent, and further support under-resourced agencies who are making strides to do the work within their own agencies while also bringing along agencies who are much further behind in their efforts.

b. Organizational Assessment and Anti-Racist Training

For SCAG to operationalize anti-racism and social justice as part of its external functions, the agency must also commit to internal reforms to ensure that policies and practices reflect the agency’s vision and priorities.

i. Internal Agency Training

To conduct internal assessment and training, SCAG should engage with organizations that have specialized expertise in working with elected officials and public agencies to address systemic racism and other issues within the agency’s policies and procedures and among Board Members, Executive Leadership, and Staff. Organizations, such as the Government Alliance on Race and Equity (GARE), can provide professional services, training and facilitation, and communication tools that will help SCAG determine an action plan within the agency that will strengthen the agency’s commitment to center anti-racist polices and social equity both internally and externally.

ii. Professional Services Bench

SCAG can be a leader in the region by working with partners to identify individual experts, organizations, and professional firms that can serve on an on-call professional services bench. The professional services would include equity-focused strategic planning, anti-racist and implicit bias training, restorative justice coaching and facilitation. The bench would be convened and managed by SCAG, but open for local and County agencies to tap into these tools and resources.

2) Grantmaker

As a funder, SCAG is currently engaging with disadvantaged communities to develop active transportation plans. The agency is also reviewing the next funding cycle for the Sustainable Communities Program and using public health and environmental justice data to inform scoring criteria to prioritize funding for marginalized communities. In this role, SCAG can also direct grant funding towards participatory budgeting processes and community data gathering efforts to address focus group feedback and community concerns about regional resilience.

a. Participatory Budgeting Community Grants

SCAG should consider developing a program grant, perhaps an extension of the Sustainable Communities Program, focused on funding community-based organizations to gather community-level data on priorities and needs for resource allocation; to build organizational capacity and experience; and to work collaboratively with public agencies and departments on implementing participatory budgeting processes across the region. These grants should also allow for additional stipends as incentives for participation.

3) **Data Clearinghouse**

As a data clearinghouse, SCAG can gather resources on regional data, track and monitor real estate and land use policies, and be transparent with local jurisdictions and community partners who need access to data for organizing, planning, and budgeting purposes.

a. Identifying Additional Vulnerability Indicators

SCAG is currently conducting research and data collection on a set of [performance indicators](#). These metrics will help assess how the RTP/SCS plan affects certain communities through an environmental justice lens. In addition, SCAG should identify additional indicators of vulnerability, including identifying existing geographic areas of high need. This may involve analyzing metrics such as food and housing insecurity, travel patterns of low-income communities, and the ongoing impacts of the economic recession.

b. Community-Sourced Data

SCAG should invest in community-sourced data collection, both quantitative and qualitative, on safety, mental health, and cultural competency needs to help inform additional vulnerability indicators, anti-racist policies, and future grant priorities.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Community
Economic & Human Development Committee (CEHD)
Regional Council (RC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Kevin Kane, Senior Regional Planner,
(213) 236-1828, kane@scag.ca.gov

Subject: Draft Regional Housing Needs Assessment (RHNA) Allocations

RECOMMENDED ACTION:

Receive and File

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians.

EXECUTIVE SUMMARY:

Pursuant to Government Code Section 65584.04 et seq., SCAG is issuing a Draft 6th Cycle RHNA Allocation to each local jurisdiction following the adoption of the RHNA Methodology by the Regional Council on March 5, 2020. As the RHNA Methodology relies upon final Connect SoCal plan data, these allocations will be issued pending complete plan adoption scheduled for September 3, 2020. Each jurisdiction will receive an electronically-delivered letter containing their new housing unit need for very-low, low, moderate, and above-moderate income housing for the 6th Housing Element Cycle, which runs from 2021 to 2029. Receipt of this letter, which shall be considered received on September 11, 2020, marks the beginning of the RHNA Appeals Process, procedures for which were approved by the Regional Council on May 7, 2020. Following this process, Final 6th Cycle RHNA Allocations are anticipated to be issued to local jurisdictions in February 2021 and local housing element updates are due to the California Department of Housing and Community Development (HCD) in October 2021.

BACKGROUND:

Pursuant to Government Code Section 65584 et seq., SCAG is required to allocate the region's housing need as determined by the California Department of Housing and Community Development (HCD) to all local jurisdictions in the SCAG region. For the 6th Cycle of RHNA (2021 – 2029), HCD has determined the regional housing need to be 1,341,827 units. After extensive public input and review by HCD, on March 5th, 2020 SCAG's Regional Council adopted the Final RHNA Methodology.

As the RHNA Methodology relies upon final Connect SoCal plan data, the Regional Council's May 7,

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2020 decision to delay complete plan adoption by 120 days has also resulted in a delay of the issuance of draft RHNA allocations, which will be issued pending complete plan adoption. Each jurisdiction will receive an electronically-delivered letter containing their new unit need for very-low, low, moderate, and above-moderate income housing for the 6th Housing Element Cycle, which runs from 2021-2029. Receipt of this letter, which shall be considered received on September 11, 2020, marks the beginning of the RHNA Appeals Process, procedures for which were adopted by the Regional Council on May 7, 2020.

There are extremely minor differences between the estimated RHNA allocations provided at the time of the adoption of the Final RHNA methodology and the Draft RHNA Allocations. No jurisdiction's RHNA allocation has changed by more than thirteen units, and only four jurisdictions experience a change of more than ten units. The average jurisdiction would see a +/- 1.27 housing unit difference between its March 5, 2020 estimated RHNA allocation and the draft RHNA allocation being issued now.

These differences can be attributable to two sources. First, final rounding was conducted to ensure that both the regional and income-specific housing unit totals specified in HCD's final regional determination are precisely met without allocating any more than the minimum of 1,341,827 total units specified. Secondly, minor revisions were made during the requested 120-day delay of the full adoption of Connect SoCal. As detailed under separate cover, these changes resulted in revised small-area (TAZ, or transportation analysis zone) forecasts of population, households, or employment in six jurisdictions. The jurisdiction-level forecast of population, households, and employment in Connect SoCal was not changed. However, the RHNA methodology relies on these small-area data in order to develop measures for each jurisdiction's share of the region's population in a High Quality Transit Area (HQT) in 2045 and its level of accessibility to future jobs. The impact of these minor changes in six jurisdictions has resulted in updated model outputs for these two measures, which in some cases may marginally impact local jurisdictions' RHNA allocations including jurisdictions whose small-area data was not modified.

Following the conclusion of the appeals process, Final RHNA Allocations are anticipated to be issued in February 2021 and local jurisdictions' housing element updates are due to HCD by October 2021 (see HCD's guidelines on this process at: www.hcd.ca.gov/community-development/housing-element/).

FISCAL IMPACT:

Current work on the Regional Housing Needs Assessment is included in the current FY 20-21 budget (800.0160.03: RHNA). There is no immediate fiscal impact for the tasks proposed under these funds.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Transportation Committee (TC)
Regional Council (RC)

From: Cory Wilkerson, Program Manager II,
(213) 236-1992, wilkerson@scag.ca.gov

Subject: 2021 Active Transportation Program Regional Guidelines
Schedule Update

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:
Receive and File

STRATEGIC PLAN:
This item supports the following Strategic Plan Goal 7: Secure funding to support agency priorities to effectively and efficiently deliver work products.

EXECUTIVE SUMMARY:
The California Transportation Commission (CTC) adopted the 2021 Active Transportation Program (ATP) Statewide Guidelines and announced the 2021 ATP call for projects on March 25, 2020. Subsequently, the CTC amended the ATP schedule in response to growing concerns regarding the COVID-19 pandemic. To meet this amended schedule, staff has revised the 2021 Active Transportation Program Regional Guidelines.

BACKGROUND:
The ATP was created in 2013 by Senate Bill 99 (Chapter 359, Statutes 2013) and Assembly Bill 101 (Chapter 354, Statutes 2013), to encourage increased use of active modes of transportation, such as biking and walking, as well as to ensure compliance with the federal transportation authorization Moving Ahead for Progress in the 21st Century (MAP-21). The 2021 ATP is the fifth cycle of the program.

On March 25, 2018, the CTC adopted the 2021 ATP Statewide Guidelines and announced the 2021 ATP call for projects. At that time project applications were due on June 15, 2020. CTC staff recognized that as response to the COVID-19 pandemic changes, there may be a need to revisit the application schedule at a future meeting.

The 2021 ATP budget is estimated to be approximately \$445 million and will cover fiscal years 2021/2022 through 2024/25. Approximately sixty percent (60%) of the total funding awards will be recommended by the CTC through the Statewide Program and Small Urban/Rural Program

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components. Forty percent (40%) of the total funding awards will be recommended by Metropolitan Planning Organizations (MPOs) and included in Regional Programs. SCAG's share of the MPO component (SCAG's Regional Program) is approximately \$93 million, fifty-three percent (53%) of the MPO component.

On April 2, 2020, the SCAG Regional Council adopted Resolution No. 20-620-3 approving the 2021 Active Transportation Program Regional Guidelines. The 2021 ATP Regional Guidelines outline the process by which SCAG, in collaboration with the CTC and the county transportation commissions within the SCAG region, will recommend funding awards for the 2021 ATP Regional Program.

On April 29, 2020, the CTC amended the ATP schedule in response to growing concerns from local jurisdictions unable to meet the adopted schedule during the COVID-19 pandemic. The amended schedule included extending the deadlines for all Cycle 5 applications. Quickbuild project applications would be due July 15, 2020 and all other applications would be due September 15, 2020. Additional changes included moving the date statewide recommendations would be published, decreasing the amount of time for the MPO component recommendation to be submitted, and delaying the adoptions of both the statewide component and the MPO component. CTC staff has expressed a willingness to be flexible with MPOs on the new schedule given the circumstances.

To meet this amended schedule, staff has revised the 2021 Active Transportation Program Regional Guidelines (Attachment 1).

FISCAL IMPACT:

Funding is included in SCAG's FY 2020-21 Overall Work Program (OWP) Budget. Staff's work budget is included in task 050-0169.06: Active Transportation

ATTACHMENT(S):

1. 2021 ATP Regional Guidelines Update

2021 Active Transportation Program Regional Guidelines

Final

September 2020

Southern California Association of Governments
Imperial County Transportation Commission
Los Angeles County Metropolitan Authority
Orange County Transportation Authority
Riverside County Transportation Commission
San Bernardino County Transportation Authority
Ventura County Transportation Commission

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS
2021 ACTIVE TRANSPORTATION PROGRAM REGIONAL GUIDELINES

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Introduction

Purpose

The intent of this document is to successfully implement the Metropolitan Planning Organization (MPO) component of the California Active Transportation Program (ATP). The following 2021 ATP Regional Guidelines (Regional Guidelines) outline the roles, responsibilities and processes for selecting projects to receive funding from the SCAG region's dedicated share of the 2021 ATP. The Regional Guidelines also outline the requirements for programming, allocation, project delivery, project reporting, project administration and program evaluation related to the 2021 Regional Active Transportation Program (Regional Program). The Regional Guidelines may be revisited and modified for future rounds of funding in order to remain consistent with the 2021 ATP Statewide Guidelines (Statewide Guidelines), and to consider innovative concepts and best practices to improve the Regional Program's efficiency and effectiveness.

Background

- The goals of the ATP are to:
 - Increase the proportion of trips accomplished by biking and walking;
 - Increase the safety and mobility of non-motorized users;
 - Advance the active transportation efforts of regional agencies to achieve greenhouse gas reductions goals as established pursuant to SB 375;
 - Enhance public health, including reduction of childhood obesity through the use of programs including, but not limited to, projects eligible for Safe Routes to School Program funding;
 - Ensure that disadvantaged communities (DAC) fully share in the benefits of the program; and
 - Provide a broad spectrum of projects to benefit many types of active transportation users.
- The 2021 Statewide Guidelines, adopted by the California Transportation Commission (CTC) on March 25, 2020, describe the policy, standards, criteria and procedures for the development, adoption and management of the ATP Statewide Program.
- Per the 2021 Statewide Guidelines, 40% of the funds for the ATP must be distributed by MPOs in urban areas with populations greater than 200,000, with funds distributed to each MPO based on total MPO population.
- The funds distributed by the MPOs must be programmed and allocated to projects selected through a competitive process in accordance with the ATP Statewide Guidelines.
- A MPO choosing to use the same project selection criteria and weighting, minimum project size, match requirement, and definition of DAC as used by the CTC for the statewide competition may defer its project selection to the CTC.
- MPOs may also issue a separate, supplemental call for projects. If a call for projects is initiated, it will require development and approval of guidelines and applications. In administering a competitive selection process, a MPO must use a multidisciplinary advisory group to assist in evaluating project applications.
- 25% of the regional funds must benefit DAC.

- The Statewide Guidelines allow for a large MPO to make up to 2% of its 2021 ATP funding available for active transportation plans in DACs.
- The Statewide Guidelines establish four eligible project types:
 - Infrastructure Projects: Capital improvements that will further the goals of this program. This typically includes the environmental, design, right-of-way, and construction phases of a capital (facilities) project. A new infrastructure project will not be programmed without a complete project study report (PSR) or PSR equivalent. The application will be considered a PSR equivalent if it defines and justifies the project scope, cost and schedule. Though the PSR or equivalent may focus on the project components proposed for programming, it must provide at least a preliminary estimate of costs for all components. PSR guidelines are posted on the CTC website: <http://www.catc.ca.gov/programs/ATP.htm>. *A capital improvement that is required as a condition for private development approval or permits is not eligible for funding from the Active Transportation Program.*
 - Plans: The development of a community wide bicycle, pedestrian, safe routes to school, or active transportation plan in a DAC.
 - Non-infrastructure Projects: Education, encouragement, and enforcement activities that further the goals of this program. The CTC intends to focus funding for non-infrastructure on start-up projects. A project is considered to be a start-up when no program currently exists. Start-up projects must demonstrate how the program is sustainable after ATP funding is exhausted. ATP funds cannot fund ongoing program operations. Non-infrastructure projects are not limited to those benefiting school students. Program expansions or new components of existing programs are eligible for ATP funds as long as the applicant can demonstrate that the existing program will be continued with non-ATP funds.
 - Infrastructure projects with non-infrastructure components.
- Per Statewide Guidelines, and based on SB 99, the following requirements apply specifically to SCAG:
 - SCAG must consult with the county transportation commissions, the CTC, and Caltrans in the development of the competitive project selection criteria. The criteria should include consideration of geographic equity consistent with program objectives;
 - SCAG must place priority on projects that are consistent with plans adopted by local and regional governments within the county where the project is located; and
 - SCAG must obtain concurrence from the county transportation commissions.
- The SCAG Regional Program will be developed through coordination of the ATP Subcommittee. The ATP Subcommittee is a subcommittee of the SCAG Sustainability Committee. The ATP Subcommittee is comprised of SCAG staff and representatives from each of the six (6) county transportation commissions. The Subcommittee drafts the Regional Program Guidelines, the Regional Program and administers tasks associated with project delivery. The County Transportation Commissions approve the Regional Program as it pertains to each respective county. SCAG's Regional Council approves the Regional Program Guidelines and Regional Program. The California Transportation Commission approves the Regional Program Guidelines and Regional Program.

Fund Estimates for 2021 Regional ATP

The 2021 ATP total funding estimate is \$445.5M. Per the 2021 ATP Statewide Guidelines, the MPO share is 40% of the total budget and the SCAG share is 50% of the MPO amount.

The SCAG region’s share of the 2021 ATP is approximately \$93.4M, which includes funding in Fiscal Years 2021/22, 2022/23, 2023/24, and 2024/2025 to be programmed as follows:

Year (Fiscal)	Funds (\$1000s)
FY 21/22	20,310
FY 22/23	21,157
FY 23/24	25,976
FY 24/25	25,976
Total	93,419

Eligibility

SCAG intends to apply the eligibility requirements as adopted in the 2021 Statewide Guidelines to the Regional Program. These requirements include an option for SCAG to provide a Regional Definition of Disadvantaged Communities. As part the 2016 Regional Transportation Plan (RTP)/ Sustainable Communities Strategy (SCS), SCAG established “environmental justice areas” and “communities of concern” as disadvantaged communities through a robust public outreach process that included the input of community stakeholders. These disadvantaged communities criteria are intended to complement existing definitions established through SB 535 and the ATP Statewide Guidelines.

Regional Disadvantaged Communities Definitions

Per the Statewide Guidelines, MPOs have the option to use different criteria for determining which projects benefit disadvantaged communities. This additional criteria includes Environmental Justice Areas and Communities of Concern. This criteria can be used in addition to the existing SB 535 criteria.

- Environmental Justice Areas: Environmental Justice Areas are reflected in Transportation Analysis Zones that show a higher share of minority population or households in poverty than is seen in the great region as a whole.
- Communities of Concern: Communities of Concern are Census Designated Places or city of Los Angeles Community Planning Ares that fall in the upper third for their concentration of minority population households in poverty. This designation is significant in severity due to the degree of poverty.

Project Selection Process

SCAG intends to award funding to projects in two program categories. These categories include: Implementation projects, and Planning & Capacity Building projects.

Implementation Projects Category

Implementation projects include infrastructure, non-Infrastructure, infrastructure projects with non-infrastructure components, and plans as defined by the Statewide Guidelines and included in the Background (above). No less than 95% of the total regional funds shall be dedicated to funding Implementation projects in the 2021 Regional ATP. Implementation funds shall be allocated to projects in each county using population-based funding targets.

Implementation Projects Category: Funding Targets

County	Pop %	Funding Amount
Imperial	1%	\$882
Los Angeles	54%	\$47,506
Orange	17%	\$14,930
Riverside	12%	\$11,305
San Bernardino	11%	\$10,157
Ventura	5%	\$3,969
Total	100%	\$88,748

In this category, and consistent with previous ATP cycles, SCAG will select Implementation projects utilizing the CTC statewide applications, scoring and ranking process. SCAG will only fund Implementation projects submitted through the statewide application process. However, SCAG and its member counties will reserve the option to establish an evaluation committee and issue a supplemental call for proposals for Implementation projects in future ATP cycles.

The selection process shall occur as follows:

- Prior to scoring by the CTC, SCAG shall coordinate with each county to ensure that all Implementation project applications submitted through the statewide call for proposals have been submitted to the county and SCAG.
- The county transportation commissions shall review the Implementation project applications and determine which projects are “consistent with plans adopted by local and regional governments within the county” per the requirements of SB 99. When projects are determined to be consistent, the county shall authorize up to twenty (20) points to consistent projects.
- If a county transportation commission assigns additional points (up to 20, as noted above) to a project for which they are the lead applicant, an explanation shall be provided to SCAG of how the scoring process resulted in an unbiased evaluation of the project.

- The Board of each respective county transportation commission shall approve the scoring methodology/guidelines and point assignments, and submit the scores to SCAG for inclusion in the preliminary ranking of regional projects by January 11, 2021
- SCAG shall establish a preliminary regional Implementation projects list based on the county's submissions that programs no less than 95% of the total regional funds and rely on population-based funding targets to achieve geographic equity.
- The county may also recommend funding for projects to be included on the Regional Program contingency list. Projects included on the contingency list shall be included in the program reflecting the project score as detailed in the Fund Balance and Contingency List section below.

Planning & Capacity Building Projects Category

Planning & Capacity Building projects may include the development of non-infrastructure projects and plans, as defined by the Statewide Guidelines and included in the Background section of the Regional Guidelines (above). The Regional Guidelines call for no more than 5% (\$4.7M) of the total regional funds be allocated in this category with a maximum of 2% (\$1.9M) being dedicated to Planning projects.

As in previous cycles, the pool of projects considered for funding in this category shall include projects that are submitted through the CTC's Statewide ATP Call for Projects using the state's planning application, as well as, planning and non-infrastructure projects submitted through the supplemental call for Planning & Capacity Building projects issued by SCAG. The supplemental call for projects is integrated with SCAG's Sustainable Communities Program (SCP) program and aims to better align planning and capacity building resources with regional planning priorities and opportunities. The SCP call for projects provides a more seamless, consolidated process for local jurisdictions and eligible applicants to secure resources from the ATP, as well as other regional funds programmed by SCAG.

Planning Applications Submitted Through the Statewide Call for Projects

- SCAG is required to consider funding proposals that are submitted, but unsuccessful in securing funds, through the statewide call for proposals.
- Within the Planning & Capacity Building projects category, SCAG will consider funding all unsuccessful planning, non-infrastructure, and quick build applications submitted at the statewide level.
- The planning, non-infrastructure, and quick build applications will not be re-scored by SCAG. The initial score provided by the CTC shall be used in ranking the project against projects submitted through the supplemental call for projects.
- Planning project awards will be capped at \$500,000. If the funding request exceeds \$500,000, the project applicant will be required to provide matching funds to fully fund the project.
- Non-infrastructure and quick build projects awards will be capped at \$900k. If the funding request exceeds the \$900k cap, the project applicant will be required to provide matching funds to fully fund the project or the project balance could be awarded through the Implementation Projects Category. Alternatively, the county transportation commission may fully fund the project as part

of the Implementation Projects Category, if the project merits award through the process outlined above.

Supplemental (Sustainable Communities Program) Call for Projects

- SCAG will develop SCP Guidelines, consistent with the parameters established by the Regional Guidelines, as described below.
- The SCP Guidelines will include the same match requirement and definition of DAC as used by the CTC in the statewide planning selection process.
- All Planning projects funded by ATP shall satisfy the CTC’s requirements for the use of planning funds, including DAC requirements.
- To increase the reach and impact of the Regional Program, SCAG will cap funding requests to \$900,000 for all non-infrastructure and quick build applications and \$500,000 for planning applications.
- The Scoring Criteria and associated points available for all project and application types will be as follows:
 - Mobility Benefit—Potential to increase walking/biking (0-25 points)
 - Safety Benefit—Potential to reduce the number and risk of pedestrian and bicycle fatalities and injury (0-35 points)
 - Public Health (0-10 points)
 - Disadvantaged Communities (0-10 points)
 - Public Participation (0-15 points)
 - Cost Effectiveness (0-5 points)
- In consultation with the counties and a multi-disciplinary working group, SCAG will develop applications for planning and non-infrastructure project types. Each application will be closely aligned with and aim to focus resources on the implementation of regional active transportation programs and strategies.

To establish a preliminary Planning & Capacity Building project list, applications from the supplemental call for projects and statewide call for projects will be ranked by county and prioritized by score. Funds will then be recommended to projects in consideration of the following principles:

- The total funding recommended in this category will not exceed 5% of the total Regional Program. Planning projects funding shall not exceed 2% of the total Regional Program.
- Geographic equity, informed by population-based funding targets, shall be pursued and assessed programmatically across all funding sources programmed through the Active Transportation component of the SCP.

Recommended Regional Program

SCAG shall create a draft Regional Program that incorporates the preliminary project lists from the Implementation and Planning & Capacity Building project categories.

SCAG will analyze the draft Regional Program to ensure it meets the DAC requirements by allocating at least 25% to projects benefiting DAC (as defined by the Statewide Guidelines).

If the total is less than 25%, SCAG will modify the preliminary regional project list to ensure the 25% mark is achieved, as follows:

- The lowest scoring project in the region may be replaced with the highest scoring DAC within the same County. If the county has no other eligible DAC projects, the lowest scoring project shall be replaced with the highest scoring DAC project(s) from the region.
- This process will be repeated until the 25% target is met.
- This process may lead to an outcome where a county receives less than its population-based share of the funding, but is necessary to ensure the DAC requirements for the Regional Program are met.

For ease of administration, SCAG may, with the project sponsor's permission, consolidate one or more of the projects on the Planning & Capacity project list into a Regional Planning & Capacity Building project to be administered by SCAG on behalf of the sponsoring agencies. If sponsoring agencies choose to be part of the consolidated project, a five percent (5%) fee for administrative service will be included as a task in the project. In order to provide the data contained in the Caltrans applications, SCAG will transfer the relative data fields to Caltrans for incorporation into ATP data set.

The final recommended Regional Program will be reviewed by the county transportation commission staff, Caltrans and CTC staff to make any final adjustments and achieve consensus prior to submitting the Regional Program recommendations to the Chief Executive Officers (CEO) of the county transportation commissions and Boards, SCAG's Regional Council and CTC for approval.

With consensus from the County Transportation Commission CEOs or their designees, SCAG's Executive Director may make technical changes to the program as needed to ensure the timely delivery of the regionally-selected projects.

Programming

Fund Assignments

SCAG is required to recommend the funding assignments for all projects proposed for funding in the Regional Program. The programming years for the 2021 ATP are State Fiscal Years 2021/22 to 2024/25. Per the Statewide Guidelines, the ATP must be developed consistent with the fund estimate and the amount programmed by fiscal year must not exceed the amount identified in the fund estimate. SCAG will aim to program in a constrained manner. SCAG is also required to recommend the funding source for each project, such that the program as a whole aligns with the fund estimate for each programming year. In meeting these requirements, SCAG will adhere to the following process and guiding principles:

- Funding assignments will be made by SCAG and the county transportation commissions through a collaborative decision-making process.
- Funding in fiscal years 2021/22 and 2022/23 will be state funding only. Funding in fiscal years 2023/24 and 2024/25 will include both state and federal funding.

- Funding assignments will be made to best align the funding source with the project type, size, and sponsors' capacity for obligating federal funds; therefore, federal and state funds will not be equally distributed in each county.
- State funds will be programmed to address the following regional objectives, listed in order of priority:
 - Satisfy match requirements for federally funded projects. Projects that provide some but not all of the 11.47% match may need assistance in satisfying the match. State funding is eligible to bridge the gap in any match funding deficit. State funding shall not exceed 11.47% of total project funding;
 - Reduce administrative burden for Planning and Non-infrastructure projects and projects requesting less than \$2M; and
 - Expedite delivery of pre-construction phases of projects to ensure timely delivery of projects funded for multiple phases.

Partial Awards

- County transportation commissions will be responsible for recommending partial awards for Implementation projects.
- SCAG and the county transportation commissions will only consider partial awards if the project sponsor meets one of the following requirements:
 - The applicant provides funds through additional sources to fully fund the project;
 - The applicant demonstrates the means by which it intends to fund the construction of a useable segment, consistent with the Regional Transportation Plan (RTP).
 - The applicant downsizes the project scope in a manner such that the "new" project would receive the same scores or ranking as the originally proposed project. The ATP Subcommittee will determine the eligibility of a downsized project scope based on the representative county transportation commission's request. The request shall include:
 - An explanation of the proposed scope change;
 - The reason for the proposed scope change;
 - The impact which the proposed scope change would have on the overall cost of the project;
 - An estimate of the impact the proposed scope change would have on the potential of the project to increase walking and bicycling as compared to the benefits identified in the project application (increase or decrease in benefit);
 - An estimate of the impact the proposed scope change would have on the potential of the project to increase the safety of pedestrians and bicyclists as compared to the benefits identified in the project application (increase or decrease in benefit); and
 - An explanation of the methodology used to develop the aforementioned estimates.

- For projects that fall into the Large Infrastructure category as defined in Statewide Guidelines, the applicant must demonstrate the means by which it intends to fund the construction of a useable segment, consistent with the RTP.
 - Uncommitted funds may only be from ATP or the Local Partnership Program (formulaic or competitive). The applicant must indicate its plan for securing a funding commitment; explain the risk of not securing that commitment, and its plan for securing an alternate source of funding should the commitment not be obtained. If a project with uncommitted funds is programmed, all funding commitments for that phase must be secured prior to July 1 of the fiscal year in which the project is programmed or the project will be removed from the program.
- If funding is made available (i.e. due to an ineligible project determination), the available funding will be prioritized for a threshold project receiving a partial award within the county where the funding was awarded initially. If the available funding exceeds the amount needed for fully funding the partial award, the surplus shall be made to the highest scoring project on the contingency list within the county where the funding was initially awarded. The surplus may also be made available for a partial award in another county, pending approval of the ATP Subcommittee.

Fund Balance & Contingency List

Any funds that are not assigned by SCAG to projects in the Regional Program will be returned to the state and incorporated into the fund estimate for subsequent ATP cycles. To maximize funds available in the region, the following steps will be pursued:

- The initial recommended Regional Program to the CTC will identify projects that program 100% of the region's share of ATP funds. If a balance exists after each county has exhausted to the greatest extent possible its funding target and SCAG has exhausted to the greatest extent possible the Planning & Capacity Building funds, SCAG in consultation with the counties, will recommend the fund balance be awarded to fully or partially fund the highest scoring and/or shovel ready "contingency" project(s) (see below) across all counties.
- If the final project on a county's list exceeds the county's ATP funding target, the county may work with the project sponsor to explore the feasibility of a partial award, as noted above. If a partial award is determined to be insufficient and infeasible, the county may recommend fully or partially funding to the subsequent highest scoring projects on the county's list.
- The recommended Regional Program will include a contingency list of Implementation and Planning and Capacity Building projects that will be in place until the next cycle of ATP funding. Implementation projects will be ranked in priority order based on the county transportation commission's evaluation scoring. Planning & Capacity Building projects will be ranked in priority order based on the project's statewide evaluation score. Projects may be included in both rankings depending on project type. SCAG intends to fund projects on the contingency list should there be any project failures or savings in the Regional Program. When a

contingency project is advanced for funding due to project failure from the Implementation list of projects, SCAG – in consultation with the counties – will strive to replace the failed project with a project from the same county from the Implementation list. When a contingency project is advanced for funding due to project failure from the Planning and Capacity Building list of projects, SCAG – in consultation with the counties – will strive to replace the failed project with a project from the same county from the Planning and Capacity Building list. In recommending replacement projects, SCAG and the county transportation commission may consider both project ranking and project readiness. If contingency projects are not amended into the program, they will remain unfunded and project sponsors may resubmit them for future ATP cycles.

- SCAG and/or the county transportation commissions are encouraged to pursue one or more of the following project management strategies:
 - Review the initial work schedule to determine timeline feasibility and propose revisions where necessary.

Program Amendments

The Regional Guidelines allow SCAG to amend the Regional Program to remove and advance projects. An annual report will be provided to the Regional Council on program amendments. Amendments to the Regional Program may occur under the following conditions and in the following manner:

- If project design, right-of-way or construction are programmed before the implementing agency completes the environmental process, and following completion of the environmental process updated information indicates that a project is expected to accomplish fewer benefits or is less cost effective as compared with the initial project application, then future funding for the project may be deleted from the program. It is the responsibility of the county transportation commission to recommend to SCAG that the project be deleted from the program if warranted. The county transportation commission that recommends project deletion may, in a reasonable timeframe, recommend replacing the deleted project with a project on the Contingency List.
- If the project is a Planning & Capacity Building Project and funds have not been allocated by May 1st of the year the funds are programmed, or the project sponsor has requested that the project be removed from the Regional Program, then SCAG may recommend deletion of the project and fund a project on the contingency list, considering project ranking, readiness and the county from which the deleted project originated.
- If a county transportation commission recommends deletion of a project and has not identified a replacement project for the contingency list in a reasonable timeframe, then SCAG will collaborate with the counties to identify a suitable replacement project from the region-wide contingency list and amend the project into the Regional Program.
- In order to ensure the timely use of all program funds, the CTC will, in the last quarter of the fiscal year, allocate funds to projects programmed in a future fiscal year on a first-come, first-served basis. SCAG will recommend approval of an advancement request if the project is:

- A Planning project and SCAG deems the project ready for allocation (see Allocation, below); or
- An Implementation project, and the county transportation commission recommends advancement of the project.

FTIP Amendments

All projects funded by the 2021 Regional Program must be amended into the Federal Transportation Improvement Program (FTIP).

- The county transportation commissions will be responsible for programming all Implementation projects into the FTIP.
 - Projects that are regionally significant and Transportation Control Measures (TCM) must be individually listed in the FTIP by the county transportation commission.
 - Projects that are not regionally significant or TCMs may be entered as a group listing by project function, using the applicable classifications under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93 (See www.dot.ca.gov/hq/transprog/federal/fedfiles/res_publications/grouped_pjt_listings.pdf)
- SCAG shall be responsible for programming Planning and Non-Infrastructure projects into the FTIP.
- The county transportation commissions and SCAG shall aim to program all 2021 ATP projects, regardless of programming year, in the 2021 FTIP amendment cycle.

Allocation

The Regional Guidelines require allocation requests for a project in the Regional Program to include a recommendation from SCAG. SCAG shall defer this responsibility to the county transportation commissions for all Implementation projects and provide a concurrence letter to the county which notes that the project allocation request is consistent with the project as programmed in the FTIP or is being processed into the FTIP through an amendment or modification that is underway.

The CTC will consider approval of a Letter of No Prejudice (LONP) to advance a project programmed in the ATP. Approval of the LONP will allow the agency to begin work and incur eligible expenses prior to allocation. The Amended LONP Guidelines were adopted in October 2017 and are on the CTC's website, <http://www.catc.ca.gov/programs/atp/>.

Project Delivery

Per the Statewide Guidelines, ATP allocations must be requested in the fiscal year of project programming and are valid for award for six (6) months from the date of allocation, unless the CTC approves an extension. The Commission may extend the deadline only once for each allocation phase and only if it finds that unforeseen and extraordinary circumstance beyond the control of the responsible agency has occurred that justifies the extension. The CTC and Caltrans require that the extension will not exceed the period of delay directly attributed to the extraordinary circumstance and cannot exceed twelve months.

If extraordinary issues exist that require a longer extension, the implementer may request up to 20 months for allocation only. Refer to the ATP Statewide Guidelines for complete project delivery requirements.

Extension requests for a project in the SCAG Regional Program must include a recommendation by SCAG. Extension requests will be approved by SCAG under the following conditions:

- If the project is an Implementation project, the county transportation commission has recommended that the project be extended.
- If the project is a Planning project, SCAG staff has reviewed the project status and determined that:
 - The project sponsor has made a good faith effort to meet programming deadlines and that there is a high likelihood that a project extension will result in project allocation; and/or
 - The justification for the extension indicates a reason that was unforeseen by the project sponsor and beyond the control of the project sponsor.

Caltrans will track the delivery of ATP projects and submit to the CTC a semiannual report showing the delivery of each project phase. SCAG will analyze these reports to identify project delivery issues in the SCAG region and work with the county transportation commissions and the project sponsor to resolve any issues.

Project Scope Change

In the event that a project requires a scope change, the project sponsor shall submit a request for scope change to SCAG and the responsible County Transportation Commission for review and approval. The request for scope change shall include:

- An explanation of the proposed scope change;
- The reason for the proposed scope change. If the request incorporates a change that alters original designs, the project sponsor shall provide the steps taken to retain the initial design and the extenuating circumstances that necessitate the design change. Extenuating circumstances are defined as those which make the project undeliverable due to costs and/or safety issues;
- The impact the proposed scope change would have on the overall cost of the project;
- An estimate of the impact the proposed scope change would have on the potential of the project to increase walking and bicycling as compared to the benefits identified in the project application (increase or decrease in benefit);
- An estimate of the impact the proposed scope change would have on the potential of the project to increase the safety of pedestrians and bicyclists as compared to the benefits identified in the project application (increase or decrease in benefit); and
- An explanation of the methodology used to develop the aforementioned estimates.

Project Reporting

As a condition of the project allocation, the CTC will require the implementing agency to submit semi-annual reports (unless the agency is subject to the Baseline Agreement requirement outlined in the 2019 ATP Statewide Guidelines) on the activities and progress made toward implementation of the project and a final delivery report. An agency implementing a project selected in the SCAG Regional Program must also submit copies of its semi-annual reports and s final delivery report to the county and SCAG. The purpose of the reports is to ensure that the project is executed in a timely fashion and is within the scope and budget identified when the decision was made to fund the project. Project reporting forms can be found at <http://www.dot.ca.gov/hq/LocalPrograms/lam/forms/lapgforms.htm>.

Schedule

Action	Date
CTC adopts ATP Guidelines	March 26, 2020
Call for projects	March 26, 2020
RC Approves ATP Regional Program Guidelines	April 2, 2020
Commission approves or rejects MPO Guidelines	May 14, 2020
Project applications to Caltrans (postmark date)	September 15, 2020
Staff recommendation for statewide and small urban and rural portions of the program	February 15, 2020
County 20 point scoring methodology submitted to SCAG	January 30, 2021
Commission adopts statewide and small urban and rural portions of the program	March 2021
Counties submit recommended project lists to SCAG	April 1, 2021
Project PPRs Due to SCAG	April 1, 2021
Deadline for MPO DRAFT project programming recommendations to the Commission	April 15, 2021
CEOs Approval	April 15, 2021
RC Adopts SCAG Regional Program Approval	May 6, 2021
Deadline for MPO FINAL project programming recommendations to the Commission	May 14, 2021
Commission adopts MPO selected projects	June 2021



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Art Yoon, Director of Policy and Public Affairs,
(213) 236-1840, ArtYoon@scag.ca.gov

Subject: September State and Federal Legislative Update

RECOMMENDED ACTION:

Receive and File

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy.

STATE

California Transportation Commission Appointment

On August 14, 2020, Governor Gavin Newsom announced the appointment of Michele Martinez to the California Transportation Commission. SCAG is especially proud of this selection because Commissioner Martinez served as a member of the Santa Ana City Council from 2006 to 2018 and President of SCAG from 2016 to 2017. During her tenure, Commissioner Martinez was a steadfast advocate for active transportation through SCAG's *Go Human* campaign, which aims to reduce traffic collisions in Southern California and encourage people to walk and bike. Commissioner Martinez volunteers as a special master at the Office of U.S. District Court Judge David O. Carter and teaches as a part-time adjunct professor at Santiago Canyon College.

The Commission consists of eleven voting members and two non-voting ex-officio members. It is responsible for programming and allocating funds for the construction of highway, passenger rail, transit and active transportation improvements throughout California. The Commission also advises and assists the Secretary of the California State Transportation Agency and the Legislature in formulating and evaluating state policies and plans for California's transportation programs.

State Budget Update

On June 29, 2020, Governor Gavin Newsom signed the budget agreement and nearly all the trailer bills into law. The 2020-21 Budget provides for a \$202 billion spending plan that addresses a \$54

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billion deficit caused by the COVID-19 recession. During budget negotiations between legislative leaders and Governor Newsom, the Senate led the efforts in developing an alternative budget. Disagreements centered on when spending reductions would be triggered, as well as the amount of potential cuts to specific programs. The final budget makes \$11.1 billion in reductions and deferrals that can be restored if at least \$14 billion in federal funds is received by October 15, 2020. If the state receives between \$2 and \$14 billion, only partial reductions and deferrals will be restored. The triggered reductions include:

- \$6.6 billion in K-12 education;
- \$970 million in funding for the University of California and California State University systems;
- \$2.8 billion in state employee compensation;
- \$150 million in the state judicial system;
- \$250 million for county programs to backfill revenue losses; and
- \$203 million from the Infill Infrastructure Grant Program.

The final budget deal suspends net operating loss deductions for medium and large businesses and limits business incentive tax credits to \$5 million generating \$4.4 billion in new revenues. The final budget also draws down \$8.8 billion in reserves from the Budget Stabilization Account (Rainy Day Fund; \$7.8 billion), the Safety Net Reserve (\$450 million), and all the funds in the Public School System Stabilization Account.

The Governor also signed numerous budget trailer bills, including Assembly Bill (AB) 90 on transportation. Some highlights include:

- Instituting a hold harmless provision for calculation and allocation of State Transit Assistance Program, Low Carbon Transit Operations Program, and STA-State of Good Repair allocations;
- Temporarily suspending the financial penalties associated with the Transportation Development Act's requirements that transit agencies obtain specified fixed percentages of their operating budgets from passenger fares; and
- Temporarily suspending the financial penalties associated with the State Transit Assistance Program's requirement that transit agencies' operating cost per revenue vehicle hour may not exceed operating cost per revenue vehicle hour adjusted by regional consumer price index, year over year.

SCAG's state advocacy has focused its efforts on increasing flexibility for cities and counties in updating their respective housing elements due to pandemic's unexpected impacts to the local governments' budgets, staffing capacity, and ability to perform public outreach. The State

Legislature is scheduled to adjourn on August 31, 2020 and Governor Newsom will have until September 30, 2020 to sign or veto legislation passed by the Legislature.

FEDERAL

Fiscal Year (FY) 2021 Appropriations Update

October 1, 2020 marks the beginning of FY 2021 for the federal government. Thus far, the House has passed 10 of the 12 spending bills for FY 2021 through two separate spending packages, H.R. 7608 and H.R. 7617. The Transportation, Housing, and Urban Development (THUD) appropriations bill would fund the Department of Transportation (DOT) at \$107.2 billion, which is about \$18 billion more than President Donald Trump’s original budget request. The Federal Transit Administration (FTA) would receive a total of \$18.9 billion, which is substantially more than the FY 2020 enacted level of \$12.91 billion. It would also boost transit formula funding by more than 50 percent to \$15.9 billion. The table below summarizes funding for agencies and programs within DOT:

Department of Transportation	\$107.2 B
Better Utilizing Investments to Leverage Development (BUILD) Grants	\$1 B
Federal Aviation Administration (FAA)	\$18.1 B
• Airport Improvement Program (AIP)	\$500 M
Federal-Aid Highways	\$61.13 B
Federal Railroad Administration (FRA)	\$2.99 B
• Amtrak – Northeast Corridor	\$750 M
• Amtrak – National Network	\$1.3 B
• Magnetic Levitation Technology Deployment (MAGLEV) Program	\$5 M
• Federal-State Partnership for State of Good Repair	\$200 M
• Consolidated Rail Infrastructure Safety (CRISI) Grants	\$500 M
Federal Transit Administration (FTA)	\$18.9 B
• Transit Formula Grants	\$15.9 B
• Transit Infrastructure	\$510 M
• Capital Investment Grants	\$2.175 B
MARAD Port Infrastructure Grants	\$300 M

The THUD appropriations bill would also provide an additional \$75 billion in emergency coronavirus-related funding for infrastructure, including \$26 billion for DOT:

- \$3 billion for BUILD grants;
- \$2.5 billion for discretionary airport grants;
- \$5 billion for CRISI grants;

- \$8 billion for Amtrak, including \$5 billion for the Northeast Corridor and \$3 billion for the National Network; and
- \$5 billion for the CIG program.

The Senate has yet to introduce its own set of 2021 appropriations measures or announce plans for committee action. Senate Republicans and Democrats are at loggerheads over whether to include emergency coronavirus aid or police reform provisions as part of the appropriations process. Since the nation is only a few weeks away from the new fiscal year, Congress is likely to pass a short-term Continuing Resolution (CR) that maintains current funding levels past Election Day and possibly into early 2021.

The table below lists the 12 appropriations bills and their location in the appropriations process:

Appropriations Bills (12)	U.S. House Action	U.S. Senate Action	President's Desk
<u>H.R. 7608</u> 1. Agriculture 2. Interior and Environment 3. Military Construction and Veteran Affairs 4. State and Foreign Operations	House passed H.R. 7608 (Y: 224 N: 189) on July 24, 2020.		
<u>H.R. 7617</u> 5. Commerce, Justice, Science 6. Defense 7. Energy and Water Development 8. Financial Services and General Government 9. Labor, HHS, Education 10. Transportation, Housing, and Urban Development	House passed H.R. 7617 (Y: 217 N: 197) on July 31, 2020.		
11. Legislative Branch			
12. Homeland Security			

COVID-19 Federal Aid Package

The COVID-19 pandemic has had deep impacts to public health and local economies prompted by an abrupt shutdown of workplaces across the country to reduce exposure to the virus. In response, Congress quickly approved four emergency funding packages (H.R. 6074; H.R. 6201; H.R. 748; and H.R. 266) in March and April. On May 15, 2020, the House passed the Health and Economic Recovery Omnibus Emergency Solutions (HEROES) Act (H.R. 6800), which would provide \$3 trillion in emergency funding to help with the coronavirus response effort. SCAG is supportive of this legislation as it provides \$915 billion in direct and flexible aid to state and local governments of all sizes to be used for the COVID-19 response or to backfill lost tax revenue. The bill would also

allocate an additional \$15.75 billion for local mass transit agencies and \$15 billion in highway formula funds for state departments of transportation.

Senate Republican Leader Mitch McConnell opted to wait to develop an alternative response to the HEROES Act to see how the implementation of the CARES Act (P.L. 116-136) unfolded before deciding how a new proposal would be structured. On July 27, 2020, Senate Republican leadership introduced the Health, Economic Assistance, Liability Protection, and Schools Act (HEALS Act), which would provide \$1 trillion in COVID-19 relief funding. The proposal includes another round of \$1,200 stimulus checks, \$10 billion for the Airport Improvement Program, \$105 billion to reopen schools and colleges, continues the Paycheck Protection Program (PPP) through December 31, extends supplemental unemployment benefits at a reduced level of \$200, and provides five-year liability protections for small businesses, schools, hospitals, and universities. Notably, the proposal fails to include any new funding for state and local governments.

With the release of the HEALS Act, negotiations between Congressional Democrats and the White House formally began over the fifth COVID-19 aid package. Negotiations then completely stalled. Although the two sides have reportedly reached consensus on areas like small business assistance, funding for personal protective equipment and testing, and additional stimulus checks for individuals, they remain far apart on issues like state and local aid and an extension of pandemic unemployment benefits. Since negotiators reached an impasse, Congress adjourned for the August recess. In a rare interruption, Speaker Pelosi announced that the House will return for just one day on Saturday, August 22, to vote on a bill that provides relief funding for the U.S. Postal Service. The Senate and House will come back into session after Labor Day.

In response to the impasse, on August 8, 2020, President Trump acted via one executive order and three presidential memoranda to federal agencies. The actions consist of deferring student loan payments and payroll taxes for those earning less than \$100,000 through the end of the year. It also directs the Department of Health and Human Services and the Centers for Disease Control to “consider whether any measures temporarily halting residential evictions” are necessary to prevent the spread of COVID-19. Lastly, it would extend supplemental federal unemployment benefits at a reduced rate of \$400 payments each week by diverting \$44 billion from the Federal Emergency Management Agency. The federal government would cover \$300 of the payment, with the states providing the remaining \$100. In response, Governor Gavin Newsom stated that California does not have the capacity to cover any portion of the new federal extension of unemployment benefits and estimated it would cost the state \$700 million per week to cover those unemployment claims.

On August 18, 2020, Senate Republicans introduced a “skinny” coronavirus relief bill, the Delivering Immediate Relief to America’s Families, Schools and Small Businesses Act, and is similar to the July Republican proposal. It includes \$10 billion for USPS, unemployment benefits at a reduced level of \$300, another round of the Payroll Protection Program, and liability protections.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Art Yoon, Director of Policy and Public Affairs,
(213) 236-1840, ArtYoon@scag.ca.gov

Subject: September State and Federal Legislative Update

**EXECUTIVE DIRECTOR'S
APPROVAL**

RECOMMENDED ACTION:

Receive and File

STRATEGIC PLAN:

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Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)

From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov

Subject: Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 -
\$199,999 and Amendments \$5,000 - \$74,999

EXECUTIVE DIRECTOR'S
APPROVAL

RECOMMENDED ACTION:

Information Only - No Action Required

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 7: Secure funding to support agency priorities to effectively and efficiently deliver work products.

BACKGROUND:

SCAG executed the following Purchase Orders (PO's) more than \$5,000 but less than \$200,000

<u>Vendor</u>	<u>PO Purpose</u>	<u>PO Amount</u>
Caliper Corporation	FY21 Caliper Transcad Support	\$66,825
Office Depot Business Services Div.	FY21 Office Supplies	\$30,000
Law Offices Of Jim Kahng	FY21 Law Offices Of Jim Kahng	\$30,000
Saba Software Canada Inc	FY21 Saba Software Licenses	\$24,481
SAS Institute, Inc.	FY21 SAS Software Renewal	\$21,960
Staples Contract & Commercial, Inc.	FY21 Coffee Supplies	\$20,000
Staples Contract & Commercial, Inc.	FY21 Office Supplies	\$20,000
Southern California Leadership Council	FY21 SCAG Membership	\$20,000
Calif. Joint Powers Insurance Authority	FY21 Property Insurance	\$18,920
U.S. Postal Service	FY21 Postage	\$10,000
Southern Calif Leadership Network	FY21 Dues	\$10,000
IBM Corporation	FY21 IBM Renewal	\$6,800
Solid Surface Care Inc.	FY21 Carpet Cleaning	\$6,200
Domtar Paper Co, LLC	FY21 Copier/Printer Paper	\$6,000

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SCAG executed the following Purchase Orders (PO's) more than \$5,000 but less than \$200,000

<u>Vendor</u>	<u>PO Purpose</u>	<u>PO Amount</u>
American Public Transp Association	FY21 SCAG Membership	\$5,772
C-1 Construction	FY21 Minor Office Repairs	\$5,000
L.A. Plant Co.	FY21 Office Plants & Maintenance	\$5,000
Duggan And Associates, Inc.	FY21 Minor Office Painting	\$5,000
Mailfinance	FY21 Mail Machine Lease	\$5,000
United Imaging	FY21 Plotter Cartridges & Tone	\$5,000
United Parcel Service(UPS)	FY21 Courier Service	\$5,000
Pacific Office Interiors	FY21 Office Furniture & Signs	\$5,000
Fedex	FY21 Courier Service	\$5,000

SCAG executed the following Contracts more than \$25,000 but less than \$200,000

<u>Consultant/Contract #</u>	<u>Contract's Purpose</u>	<u>Contract Amount</u>
1. Resource Development Associates (RDA - 20-064-C01)	Over the years, SCAG has placed a number of internal staff members into management positions and there is a growing recognition of the need to build the capacity of the SCAG's management team with consultant assistance, on an as-needed basis, in a variety of areas.	\$195,000
2. Ralph Andersen & Associates (20-067-C01)	SCAG requires a full service, experienced executive search firm to conduct the recruitment for executive level recruitments, most immediately including, but not limited to, Chief Counsel and Chief Financial Officer.	\$175,000
3. John Kaliski Architects, Inc. (JKA) (20-063-C01)	The consultant shall develop the Fullerton Rail District Specific Plan (Specific Plan). The Specific Plan will assist in redevelopment of a 35-acre underutilized legacy industrial area with public land, located within Downtown Fullerton. The project area includes several historic fruit-packing	\$174,999



SCAG executed the following Contracts more than \$25,000 but less than \$200,000

<u>Consultant/Contract #</u>	<u>Contract's Purpose</u>	<u>Contract Amount</u>
4. Benefits Financial Services Group (BFSG - 20-063-C01)	houses ideally suited for adaptive reuse as well as the planned terminus of a comprehensive backbone trail and class I bike path connecting the Downtown vicinity to west and north Fullerton. This project will provide a model for other cities across the region, of similar characteristics, to follow in combining land use, transit, and active transportation planning to revitalize an arterial corridor.	\$163,925
5. Alta Planning + Design, Inc. (20-028-C01)	The consultant shall provide advisory services, including compliance and administration consulting services for SCAG's 457 Deferred Compensation Plan for a base period of three (3) years, plus 2 additional 12-month options. In addition, the consultant shall provide fiduciary best practices, including fiduciary education and training, plan governance policy assistance, asset allocation model creation, and compliance consulting	\$149,977



SCAG executed the following Contracts more than \$25,000 but less than \$200,000

<u>Consultant/Contract #</u>	<u>Contract's Purpose</u>	<u>Contract Amount</u>
	2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) in the Active Transportation Appendix, and the upcoming 2020 RTP/SCS.	
6. CoStar Group (20-051-C01)	Staff requires various types of data to conduct analyses for SCAG's Goods Movement Comprehensive Study including regional commodity flow analysis for rail, maritime, air cargo, and trucking modes.	\$68,688

SCAG executed the following Amendments more than \$5,000 but less than \$75,000

<u>Consultant/Contract #</u>	<u>Amendment's Purpose</u>	<u>Amendment Amount</u>
1. Carahsoft Technology Group (18-046-C01)	Staff had the need for additional IT Service Management system support licenses to be assigned to the agency's newly selected Managed IT Services Provider and as a result of the shift from the previous Managed IT Services had a need to obtain 15 additional software licenses.	\$26,377
2. Rincon Consultants (18-001-B14A)	The consultant shall conduct five (5) additional City Council meetings as requested by City of South Pasadena to help educate the City's decision makers and community about the development of the Climate Action Plan that is underway. This will also give the public more opportunities to voice their comments on the plan, especially since Covid-19 orders have greatly affected the City's outreach and public participation efforts.	\$7,313

ATTACHMENT(S):

1. Contract Summary 20-064-C01



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2. Contract Summary 20-067-C01
 3. Contract Summary 20-063-C01
 4. Contract Summary 20-039-C01
 5. Contract Summary 20-028-C01
 6. Contract Summary 20-051-C01
 7. Contract Summary 18-046-C01 Amendments 2 and 3
 8. Contract Summary 18-001-B14A Amendment 3

CONSULTANT CONTRACT NO. 20-064-C01

Recommended Consultant:

Resource Development Associates (RDA)

Background & Scope of Work:

Over the years, SCAG has placed a number of internal staff members into management positions and there is a growing recognition of the need to build the capacity of the SCAG's management team with consultant assistance, on an as-needed basis, in a variety of areas. SCAG has already initiated management training programs and coaching. An identified need to aid in SCAG's continuing workforce development is to provide organizational consulting services for management staff members and their subordinates/peers, as needed.

There is an ongoing need to ensure that SCAG has a cadre of knowledgeable and experienced management professionals leading the agency. This is a key in succession planning and to the successful future functioning of this organization. It is important that SCAG provides this type of consulting assistance for managers to be as effective and successful as possible.

The consultant shall provide the following services which may include, but are not limited to:

- Assistance with strategic and organization alignment;
- Review and analysis of processes, procedures and organization structure for individual departments and/or divisions;
- Development of cross functional teams;
- Group coaching;
- Assistance with defining roles, goals and responsibilities;
- Assistance in running of productive meetings;
- Assistance with effective group decision making;
- Conflict resolution between groups and/or individuals;
- Consensus building among disparate groups; and
- Effective use of staff

Project's Benefits & Key Deliverables:

The project's benefits and key deliverables include, but are not limited to:

- A working environment focused on results, strategic plan alignment, cross functional teamwork, accountability, and open and honest communication and feedback, mentoring and learning, and appropriate and thoughtful risk taking;
- Developing strong partnerships with various departmental teams where support and challenge are mutual, strong, and balanced;
- More focus on strategic issues and the ability to better see the "whole playing field";
- Methods to identify and overcome self-limiting and counter-productive behaviors that erode trust, respect, loyalty, and undermine productivity and performance;
- Strategies that build the thinking and behaviors that contribute to sustainable success; and
- More balance and satisfaction from a normally intense work week without loss of productivity.

Strategic Plan: This item supports SCAG’s Strategic Plan Goal 5: Optimize Organizational Efficiency and Cultivate an Engaged Workforce which includes investing in the employee development process by providing tools, resources, and support for employees.

Contract Amount: **Total not to exceed** **\$195,000**
Resource Development Associates

Contract Period: Notice to Proceed through June 30, 2025

Project Number(s): 810.0120.04 \$195,000
Funding source: Indirect Cost
Funding of \$195,000 is available in the FY 2020-21 Overall Work Program (OWP) in Project Number 810.0120.04.

Request for Proposal (RFP): SCAG staff notified 625 firms of the release of RFP 20-064-C01 via SCAG’s Solicitation Management System website. A total of 43 firms downloaded the RFP. SCAG received the following 20 proposals in response to the solicitation:

Resource Development Associates (2 subconsultants)	\$270.00/Hour
MCG & Associates	\$100.00/Hour
Tremblay & McLoughlin Seminars & Coaching	\$150.00/Hour
Center for Nonprofit Management (CNM)	\$175.00/Hour
Propeller, Inc.	\$180.00/Hour
Cooperative Personnel Services (CPS HR Consulting)	\$185.00/Hour
Strategic Results Group (2 subconsultants)	\$200.00/Hour
Municipal Resource Group LLC (2 subconsultants)	\$225.00/Hour
Culture of Speak LLC	\$225.00/Hour
Deloitte Consulting LLP	\$235.68/Hour
Left Lane Advisors	\$275.00/Hour
Estolano Advisors (1 subconsultant)	\$300.00/Hour
Organization Effectiveness Consultants (OEC)	\$300.00/Hour
The Praxis Group	\$300.00/Hour
Le Transformations LLC (2 subconsultants)	\$320.00/Hour
Praxsys Leadership, Inc.	\$350.00/Hour
The Champion Services Group, Inc. (CSG)	\$350.00/Hour
NewGen Strategies & Solutions, LLC	\$440.00/Hour
Ideal Coaching Global	\$550.00/Hour
Boyer Communications Group	Disqualified (Non-Responsive)

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the six (6) highest ranked offerors.

The PRC consisted of the following individuals:

- Nicole Katz, Human Resources Analyst II, SCAG
- Carmen Flores, Human Resources Manager, SCAG
- Erika Bustamante, Manager of Budget & Grants, SCAG

Basis for Selection:

The PRC recommended Resource Development Associates for the contract award because the consultant:

- Provided the most detailed and thorough technical approach, by demonstrating their expertise in both coaching and learning development, understanding the importance of a needs assessment to identify root causes, and the ability to utilize data in the workplace to tell stories and impact change.
- Integrated change management and change readiness into their approach along with creative solutions, such as developing tools and customizable learning activities for the Agency to add value and ensure success of the project;
- Demonstrated they understand the needs of SCAG in their approach by ensuring learning objectives are reflected in performance management to ensure successful implementation;
- Gathered a thoughtful and multi-disciplinary team that provided a versatile and long-standing history of demonstrated experience, both in the technical elements required to satisfy the needs of this contract and the level of support and capacity necessary to accomplish the work;
- Demonstrated the firm’s growth mindset philosophy as it related to coaching and leadership development is in alignment with SCAG.

Although other firm(s) proposed a lower price(s), the PRC did not recommend this/these firm(s) for contract award because this firm(s):

- Did not clearly explain their rate structure and what factors go into determining the true cost, leading the rates to appear much more affordable than they would be;
- Did not develop and create customized tools and trainings for SCAG, but instead repackaged previously used trainings from other organizations to fit SCAG’s needs.

CONSULTANT CONTRACT 20-067-C01

Recommended Consultant:	Ralph Andersen & Associates				
Background & Scope of Work:	<p>SCAG requires a full service, experienced executive search firm to conduct the recruitment for executive level recruitments, most immediately including, but not limited to, Chief Counsel and Chief Financial Officer.</p> <p>The consultant will provide expertise through all phases of the recruitment. Services will include: involving and engaging key stakeholders; developing a candidate profile and position announcement; sourcing a pool of qualified candidates for consideration, including a concentrated outreach effort and customized search strategies; preparing recommendations regarding recruitment and selection strategies; gathering input from the Board and various stakeholders groups; conducting an advertising campaign and sourcing candidates; and facilitating the selection of a final candidate, including negotiation of an employment agreement.</p>				
Project's Benefits & Key Deliverables:	<p>The project's benefits and key deliverables include, but are not limited to:</p> <ul style="list-style-type: none">• Recruiting the best qualified and available candidates;• Screening and vetting candidates, including performing thorough background and reference checks;• Creating an ideal candidate profile; and• Recommending best qualified candidates for consideration as finalists for the position.				
Strategic Plan:	<p>This item supports SCAG's Strategic Plan Goal 1: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 5: Recruit, support, and develop a world-class workforce and be the workplace of choice.</p>				
Contract Amount:	<table border="0" style="width: 100%;"><tr><td style="width: 60%;">Total not to exceed</td><td style="text-align: right;">\$175,000</td></tr><tr><td>Ralph Andersen & Associates</td><td style="text-align: right;">Maximum of \$25,000/Recruitment</td></tr></table> <p>Note: Ralph Andersen & Associates originally proposed the following rates:</p> <p>Executive ("Chief") Level \$30,000 - \$34,000, Department ("Non-Chief"), Director \$27,000 - \$29,000, Department Deputy Director \$26,500 - \$28,000</p> <p>Staff negotiated the price down to a maximum of \$25,000/recruitment without reducing the scope of work.</p>	Total not to exceed	\$175,000	Ralph Andersen & Associates	Maximum of \$25,000/Recruitment
Total not to exceed	\$175,000				
Ralph Andersen & Associates	Maximum of \$25,000/Recruitment				
Contract Period:	June 2, 2020 through June 30, 2025				
Project Number(s):	810.0120.04 \$175,000 Funding source: Indirect Cost Funding of \$50,000 is available in the FY 2019-20 Overall Work Program (OWP) in Project Number 810.0120.04. Services will be requested on an as needed basis and funding will be obtained for the applicable fiscal year.				

Attachment: Contract Summary 20-067-C01 (Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 -

Request for Proposal (RFP):

SCAG staff notified 389 firms of the release of RFP 20-067-C01 via SCAG’s Solicitation Management System website. A total of 19 firms downloaded the RFP. SCAG received the following six (6) proposals in response to the solicitation:

Ralph Andersen & Associates – Executive (“Chief”) Level \$30,000 - \$34,000, Department (“Non-Chief”), Director \$27,000 - \$29,000, Department Deputy Director \$26,500 - \$28,000

Angels Recruiting Agency – Flat Fee of \$21,000

David Gomez Partners – 25% of Hired First Year Base Compensation, with Exclusions

JCS Recruitment – Retainer Fee (One-Third of First Year Annual Compensation)

Koff & Associates (K&A Recruiting) – \$25,000 per recruitment or 25% of the first-year base salary upon a successful hire of an executive level recruitment

Zilo International Group – 20% of the full time salary of the executive hired.

Advertisement of the position and background checks will be billed at cost

Cost varies depending on the consultant’s fee. Using an assumption of \$200,000 for an executive position at a flat fee of \$21,000 proposed was the lowest, and \$66,660 (one-third of first year annual compensation) was the highest amount proposed.

Selection Process:

The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the two (2) highest ranked offerors.

The PRC consisted of the following individuals:

- Negin Afarinesh, Human Resources Analyst I, SCAG
- Carmen Flores, Human Resources Manager, SCAG
- Nicole Katz, Human Resources Analyst II, SCAG

Basis for Selection:

The PRC recommended Ralph Andersen & Associates for the contract award because the consultant:

- Has extensive experience and has completed the most executive public sector recruitments in comparison to similar firms;
- Successfully recruited for similar positions with comparable agencies, partnered with SCAG in the past and understands SCAG’s internal structure;
- Utilizes competency based recruiting and conducts a tailored recruitment strategy to ensure ideal candidate with right skillset is hired;
- Has a large network, both in and out of California, that can be utilized to ensure diversity and outreach is a priority for SCAG’s recruitments;
- Has a high placement success rate and is rare their placements do not succeed; and
- Has a realistic and quick timeline for completing recruitments.

Although other firm(s) proposed a lower price(s), the PRC did not recommend this/these firm(s) for contract award because these firm(s):

- Provided a very standard, transactional approach, without mentioning any type of creative strategy for recruiting the best pool of candidates;
- Did not mention anything about providing equal employment opportunity in recruiting for the position, or barely mentioned diversity;
- Did not have the desired public sector experience, lacked the qualifications, and did not mention any successful placements; and/or
- Did not pass the feedback received from the reference checks.

CONSULTANT CONTRACT NO. 20-063-C01

Recommended Consultant: John Kaliski Architects, Inc. (JKA)

Background & Scope of Work: The consultant shall develop the Fullerton Rail District Specific Plan (Specific Plan). The Specific Plan will assist in redevelopment of a 35-acre underutilized legacy industrial area with public land, located within Downtown Fullerton. The project area includes several historic fruit-packing houses ideally suited for adaptive reuse as well as the planned terminus of a comprehensive backbone trail and class I bike path connecting the Downtown vicinity to west and north Fullerton. This project will provide a model for other cities across the region, of similar characteristics, to follow in combining land use, transit, and active transportation planning to revitalize an arterial corridor.

In 2010, the City adopted the Fullerton Transportation Center Specific Plan to rezone the approximately 40 acres surrounding the Fullerton Transportation Center east of S. Harbor Boulevard (including the Amtrak/Metrolink Station and OCTA Depot) to provide the opportunity for the private development of an urban mixed-use transit oriented district. The Fullerton Transportation Center is a regionally significant passenger train station in that it is a stop for one Amtrak and two Metrolink commuter rail lines. The Specific Plan is focused on creating Fullerton's most sustainable neighborhood promoting the development of green buildings, streets, and public spaces in a compact, walkable community located near public transit. As the study area is located adjacent to a regionally significant train station, growth in new residents and employees will impact both north Orange County, as well as southern Los Angeles County, and contribute to regional vehicle miles travelled (VMT) reductions due to an increase in transit usage.

Project's Benefits & Key Deliverables: The project's benefits and key deliverables include, but are not limited to:

- Memo on proposed Zoning Code and General Plan amendments;
- Neighborhood Development Standards;
- Neighborhood Design Guidelines/Manual; and
- Final adopted (or final draft) Defensible Regulatory Document (specific plan, zoning overlay, General Plan or specific plan amendment, or any other tools approved by SCAG staff.

Strategic Plan: This item supports SCAG's Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Goal 2: Advance Southern California's policy interests and planning priorities through regional, statewide, and national engagement and advocacy; and Goal 4: Provide innovative information and value-added services to enhance member agencies' planning and operations and promote regional collaboration.

Contract Amount:	Total not to exceed	\$174,999
	JKA (prime consultant)	\$57,884
	Economic & Planning Systems (subconsultant)	\$34,976
	Kimley-Horn and Associates, Inc. (subconsultant)	\$38,265
	Arellano Associates (subconsultant)	\$43,874

Attachment: Contract Summary 20-063-C01 (Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 -

Note: JKA originally proposed \$199,968, but staff negotiated the price down to \$174,999 without reducing the scope of work.

Contract Period: August 4, 2020 through February 28, 2021

Project Number(s): 275-4823U5.03 \$132,794
275-4823E.03 \$17,205
275-4823V7.03 \$25,000
Funding source(s): Sustainable Communities Program, FY19 SB1 Formula, Transportation Development Act (TDA), and City Cash Match.

Funding of \$174,999 is available in the FY 2020-21 budget.

Request for Proposal (RFP): SCAG staff notified 2,741 firms of the release of RFP 20-063 via SCAG’s Solicitation Management System website. A total of 58 firms downloaded the RFP. SCAG received the following seven (7) proposals in response to the solicitation:

JKA (3 subconsultants)	\$199,968
Dudek (2 subconsultants)	\$249,003
PlaceWorks (2 subconsultants)	\$280,305
IBI Group (2 subconsultants)	\$284,912
Studio One Eleven (4 subconsultants)	\$323,084
Gensler (4 subconsultants)	\$339,869
Mithun/Hodgetts & Fung (4 subconsultants)	\$596,918

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP, and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC did not conduct interviews because the proposals contained sufficient information on which to base a contract award.

The PRC consisted of the following individuals:

Lorianne Esturas, Assistant Regional Planner, SCAG
Heather Allen, Planning Consultant, City of Fullerton
Matt Foulkes, Planning Manager, City of Fullerton
Irene Hou, Associate Planner, Caltrans District 12

Basis for Selection: The PRC recommended JKA for the contract award because the consultant:

- Demonstrated the best understanding of the project, specifically sensitivity to and inclusion of infrastructure and transportation-focused analyses to inform development of the project site. The consultant’s focus on active transportation and infrastructure analysis also demonstrates an understanding of the project intent to develop a transit-oriented node and improve connectivity between the project site and nearby urban and recreational areas of the city;
- Provided the best technical approach, for example details on stakeholder and community outreach such as a list of proposed topics for each of the project’s eight Technical Working Group (TWG) meetings. The consultant also identified project challenges and presents solutions, such as a focus on digital and direct mail

- outreach in light of recent COVID-19 pandemic impacts to future project outreach;
- Demonstrated similar and relevant experience through work with the City of Los Angeles and City of Santa Monica on urban design plans and guidelines with a focus on incentivizing the adaptive reuse of existing industrial buildings through a community-supported approach; and
- Proposed the lowest price.

CONSULTANT CONTRACT NO. 20-039-C01

Recommended Consultant: Benefits Financial Services Group (BFSG)

Background & Scope of Work: The consultant shall provide advisory services, including compliance and administration consulting services for SCAG’s 457 Deferred Compensation Plan for a base period of three (3) years, plus 2 additional 12-month options. In addition, the consultant shall provide fiduciary best practices, including fiduciary education and training, plan governance policy assistance, asset allocation model creation, and compliance consulting.

Project’s Benefits & Key Deliverables: The project’s benefits and key deliverables include, but are not limited to:

- Designing a diversified assortment of Sec. 457 plan investment options to help employees achieve retirement security;
- Conducting periodic fiduciary education sessions;
- Periodic reporting and Plan review with the Committee;
- Providing guidance on fidelity bond and fiduciary insurance policy coverage; and
- Communicating relevant legislative industry changes and providing recommendations to the Committee.

Strategic Plan: This item supports SCAG’s Strategic Plan Goal 5: Recruit, support, and develop a world-class workforce and be the workplace of choice.

Contract Amount: **Total not to exceed** \$163,925
BFSG (prime consultant)
Note: \$163,925 represents the estimated annual cost of \$32,785 for five (5) year period.

Contract Period: July 14, 2020 through July 31, 2023

Project Number(s): 900-0290.01 \$163,925
Funding source(s): Fringe Benefits

Funding of \$32,785 is available in the FY 2020-21 budget, and the remaining years’ funding is expected to be available in subsequent years’ budgets in Project Number 900-0290.01, subject to budget availability.

Request for Proposal (RFP): SCAG staff notified 114 firms of the release of RFP 20-039 via SCAG’s Solicitation Management System website. A total of 22 firms downloaded the RFP. SCAG received the following six (6) proposals in response to the solicitation. Note: the amounts below represent a percentage basis points multiplied by SCAG's 457 Plan Assets balance of \$25,781,783 (as of September 30, 2019)

Attachment: Contract Summary 20-039-C01 (Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 -

Proposer	Base Period (Year 1 - 3)	Option Year 1	Option Year 2	Annual Fee - Year 1*
BFSG	0.10%	0.10%	0.10%	\$25,782
Hyas Group LLC	0.10%	0.10%	0.10%	\$25,782
Milliman Advisors, LLC	0.15%	0.15%	0.15%	\$38,673
NFP Retirement, Inc.	0.12%	0.12%	0.12%	\$30,938
Strategic Retirement Partners Holdings	0.20%	0.15%	0.15%	\$51,564
USI Consulting Group	0.10%	0.10%	0.10%	\$25,782
*based on SCAG's 457 Plan Assets balance listed above				

Selection Process: The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the top four (4) highest ranked offerors.

The PRC consisted of the following individuals:

Basil Panas, CFO, SCAG
 Carmen Flores, Human Resources Manager, SCAG
 Mary Morgan, Deputy Executive Officer, Finance, LA Metro

Basis for Selection: The PRC recommended BFSG for the contract award because the consultant:

- Demonstrated the best understanding of the project in that they demonstrated a clear understanding of SCAG’s fiduciary duties under the California Constitution and California Government Code with respect to its Sec. 457 (b) program. The other proposers did not display the same knowledge of SCAG’s responsibilities; and
- Provided the best technical approach in several respects. They were the most familiar with the safe harbors for governments with respect to Sec. 457 (b) plan administration and they are equally comfortable in providing services to SCAG as a co-fiduciary under ERISA Sec. 3(21) or on a discretionary basis under ERISA Sec. 3(38). They also proposed looking into setting up a 401 (a) plan for SCAG’s deferred compensation match contributions. They were the only firm to propose looking at all fees, e.g., loan fees, not just fees charged to the mutual fund and were the only firm to suggest not offering the institution level funds in order to save fees. They were also the only firm to suggest looking at how effective SCAG’s employer match is for the Sec. 457 plan.

CONSULTANT CONTRACT NO. 20-028-C01

Recommended Consultant:

Alta Planning + Design, Inc.

Background & Scope of Work:

The City of Fullerton (City) Active Transportation Plan (ATP) will provide a plan for open and easy access to and around downtown Fullerton for walking and bicycling for recreation or commuting. The ATP will identify improvements to the active transportation network for non-motorized transportation connecting neighborhoods, activity centers (including schools and parks), employment centers, and transportation hubs (e.g. train stations, bus stops). The ATP will also help to further SCAG’s regional transportation goals and strategies, including those outlined in the 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) in the Active Transportation Appendix, and the upcoming 2020 RTP/SCS.

The consultant shall provide services for a Sustainability Planning Grant for the City of Fullerton (City). Specifically, the consultant shall develop the City’s ATP including a regional active transportation network that will increase the number of short trips taken by walking and biking, encouraging the implementation of complete street policies, and others as outlined in the RTP/SCS. The consultant shall incorporate SCAG’s regional transportation strategies related to active transportation.

Project’s Benefits & Key Deliverables:

The project’s benefits and key deliverables include, but are not limited to:

- Improving mobility for people walking and biking by providing a comprehensive plan for active transportation that includes bicycle elements, pedestrian elements, Safe Routes to School elements, connections to transit and major destinations; and
- Providing an overview of innovative implementation strategies, cost analysis and funding methods.

Strategic Plan:

This item supports SCAG’s Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Create plans that enhance the region’s strength, economy, resilience and adaptability by reducing greenhouse gas emissions and air pollution.

Contract Amount:

Total not to exceed	\$149,977
Alta Planning + Design, Inc. (prime consultant)	\$104,499
Fehr & Peers (subconsultant)	\$45,478

Note: Alta Planning + Design, Inc. originally proposed \$152,399, but staff negotiated the price down to \$149,977 without reducing the scope of work.

Contract Period:

July 28, 2020 through December 31, 2021

Project Number(s):

225-4837X3.02 \$149,977
Funding source(s): ATP Local Planning Initiative

Request for Proposal (RFP):

SCAG staff notified 1,713 firms of the release of RFP 20-028-C01 via SCAG’s Solicitation Management System website. A total of 43 firms downloaded the RFP. SCAG received the following six (6) proposals in response to the solicitation:

Alta Planning + Design (1 subconsultant)	\$152,399
KTUA (2 subconsultants)	\$149,956
Kittelson & Associates, Inc. (1 subconsultant)	\$194,712
Michael Baker (1 subconsultant)	\$198,188
M. Arthur Gensler (1 subconsultant)	\$199,622
KOA Corporation (2 subconsultants)	\$200,008

Selection Process:

The Proposal Review Committee (PRC) evaluated each proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC interviewed the three (3) highest ranked offerors.

The PRC consisted of the following individuals:

- Mariana Pulido, Senior Regional Planner, SCAG
- Heather Allen, Planning Consultant, City of Fullerton
- Jude Miranda, Transportation Planner, Caltrans District 12

Basis for Selection:

The PRC recommended Alta Planning + Design, Inc. for the contract award because the consultant:

- Demonstrated the best understanding of the project by discussing in detail its relationship to other ATP projects in the City;
- Provided the best outreach approach, for example, their outreach approach included nighttime audits and light level recommendations;
- Demonstrated the most extensive experience with projects of similar size and scope including the Fullerton Bike Connection Plan as well as the OCTA Districts 1 and 2 Bikeways Strategy; and
- Proposed the second lowest price.

Although one firm proposed a lower price and more staff hours, the PRC did not recommend this firm for contract award because the firm:

- Lacked an innovative approach for the City to obtain future funding for projects as outlined in Task 5, Funding & Implementation Strategy. The selected consultant’s approach will yield a far superior result in Task 5, which will be more advantageous to the City in applying for any future ATP grants.

CONSULTANT CONTRACT NO. 20-051-C01

Recommended Consultant:	CoStar Group
Background & Scope of Work:	Staff requires various types of data to conduct analyses for SCAG’s Goods Movement Comprehensive Study and regional commodity flow analysis for rail, maritime, air cargo, and trucking modes.
Project’s Benefits & Key Deliverables:	<p>The project’s benefits and key deliverables include, but are not limited to: Updating base year data and providing specific data that is critical to staff’s regional transportation planning efforts such as:</p> <ul style="list-style-type: none">• Location of Warehouses and Distribution centers,• Type of building use and occupancy, vacancy rate,• Building ceiling heights,• Number of truck bay loading doors, and• Amount of floor space used for warehousing activities and others.
Strategic Plan:	This item supports SCAG’s Strategic Plan Goal 3: Be the foremost data information hub for the region.
Contract Amount:	Total not to exceed \$68,688 CoStar Group (prime consultant)
Contract Period:	through June 30, 2023
Project Number(s):	055-0704A.02 \$68,688 Funding source: Consolidated Planning Grant (CPG) – Federal Highway Administration (FHWA). Funding of \$22,896 is available in the FY 2020-21 budget, and the remaining \$45,792 is expected to be available in the FY 21-22, 22-23 budget in Project Number 055-0474A.02, subject to budget availability.
Request for Proposal (RFP):	<p>SCAG staff notified 1817 firms of the release of RFP 20-051 via SCAG’s Solicitation Management System. A total of 16 firms downloaded the RFP. SCAG received the following proposal in response to the solicitation:</p> <p>After receiving only one proposal, staff surveyed 15 firms that downloaded the RFP to determine why each did not submit a proposal. Three (3) firms responded to staff’s inquiry, which disclosed the main reason these firms did not respond was they were unable to meet proposal deadline. Note: Staff advertised the RFP initially for five (5) weeks, a week longer than the four (4) week period staff normally uses. Staff subsequently requested Caltrans approval to move forward with reviewing the single offer received.</p> <p>Staff believes that resoliciting was not likely to yield a different result and needed to maintain the project’s schedule and therefore proceed to evaluate the one offer received.</p>
	CoStar Group (No subconsultants) \$68,688

Attachment: Contract Summary 20-051-C01 (Purchase Orders \$5,000 - \$199,999; Contracts \$25,000 - \$199,999 and Amendments \$5,000 -

Selection Process: The Proposal Review Committee (PRC) evaluated CoStar Group’s proposal in accordance with the criteria set forth in the RFP and conducted the selection process in a manner consistent with all applicable federal and state contracting regulations. After evaluating the proposals, the PRC did not conduct an interview because the proposal contained sufficient information on which to base a contract award.

The PRC consisted of the following individuals:

Stephen Sungsu Yoon, Senior Regional Planner, SCAG
Annie Nam, Manager of Goods Movement and Transportation Finance, SCAG
Scott Strelecki, Senior Regional Planner, SCAG

Basis for Selection: The PRC recommended CoStar Group for the contract award because the consultant:

- The consultant demonstrated excellent capability to provide needed proprietary information which specifically focuses on the commercial real estate property database not only Southern California region but also whole nationwide geographic coverage; and
- As an expert in the commercial real estate market, Costar group provides tremendous amount of accumulated commercial property information through their own analytic platform with essential filtering options which will enable staff to search and collect accurate set of information by the purpose of diverse usages.

CONTRACT NO. 18-046-C01 AMENDMENTS NO. 2 and 3

Consultant: Carahsoft Technology Group

Background & Scope of Work:

In June of 2018, SCAG awarded Contract 18-046-C01 to Carahsoft Technology Group to as part of the Information Technology (IT) Process Improvement project initiated in FY18. The continued efforts of the SCAG IT team have resulted in the implementation of a work management tool, known as ServiceNow, supporting improved IT processes and system support to provide valuable and reliable IT services and solutions to the entire organization.

ServiceNow is a work management and process tool (sold by Carahsoft Technology Group, a licensed reseller) comprised of Project Portfolio Management and IT Service Management to support the IT Process Improvement project and improve overall work and resource management. Staff had a continuing need for the IT Service Management system support to assist staff with making continuous improvements to various IT processes. Consequently, in July of 2019 staff amended contract 18,046-C01 via Amendment 1, increasing its value \$291,216 to \$332,304 (\$41,088), to obtain the later services.

In July of 2020, staff had the need for additional IT Service Management system support licenses to be assigned to E.K. Associates consultants, the new managed services provider. Consequently, in July of 2020 staff amended contract 18,046-C01 via Amendment 2, increasing its value from \$332,304 \$342,576 (\$10,272), to obtain the later services.

Further, in July 2020, SGAG began a new contract, 20-035-C01, with E.K. Associates to provide expert scheduled and on-demand managed information technology services (planning and design, monitoring, troubleshooting and repair, maintenance, and support services). As a result of the shift from SCAG previous Managed IT provider to E.K. Associates, staff had a need to obtain 15 additional licenses to be assigned to E.K. Associates consultants, via Amendment 3 to the contract. Amendment 3 increases the contract value from \$342,576 to \$358,681 (\$16,105).

Project's Benefits & Key Deliverables:

The project's key benefits include centralized work management processes to better identify and track work requests, prioritize work and resources, and accurately estimate necessary resources and timelines. Through metrics and reporting, the organization will also have better visibility into what work has been completed, the status of work that is currently being performed, and what work is planned. Ultimately, having these processes and systems centrally managed is expected to improve budget management, scheduling, work priorities, and resource management, allowing IT efforts to align with SCAG organizational objectives and create continuous improvement to facilitate improved decision making.

Strategic Plan:

This item supports SCAG's Strategic Plan Goal 2: Be the foremost data information hub for the region; Objective F. Model best practices by prioritizing continuous improvement and technical innovations through the adoption of interactive, automated, and state-of-the-art information tools and technologies.

Amendment Amount:

Amendment 3	\$16,105
Amendment 2	\$10,272
Amendment 1	\$41,088
Original contract value	<u>\$291,216</u>
Total contract value is not to exceed	\$358,681

This amendment does not exceed \$75,000 or 30% of the contract’s original value. Therefore, in accordance with the SCAG Procurement Manual (dated 12/01/16) Section 8.3, it does not require the Regional Council’s approval.

Contract Period: June 25, 2018 through June 30, 2023

Project Number(s): 811-1163.14 \$41,088

Funding source: \$26,377 (\$10,272 + \$16,105) is available in the FY 2020-21 budget in Project Number 811-1163.14. Funding for subsequent fiscal years through FY 2022-23 is expected to be available in Project Number 811-1163.14, subject to budget availability.

Basis for Selection: In accordance with SCAG’s Contract Manual Section 7.4, dated 04/17/20, to foster greater economy and efficiency, SCAG’s federal procurement guidance (2 CFR 200.318 [e]) authorizes SCAG to procure goods and services by entering into State and local intergovernmental agreements (Master Service Agreements – MSA’s). The goods and services procured under an MSA were previously competitively procured by another governmental entity (SCAG is essentially “piggy-backing” on the agreement.) As with the original agreement and both previous Amendments, for Amendment 3, SCAG utilized an MSA with the National Intergovernmental Purchasing Alliance (National IPA) Agreement No. TCPN R150402 that was competitively procured. This MSA is specifically designed for use by local agencies to leverage combined purchasing power for discounted volume pricing.

CONTRACT NO. 18-001-B14A AMENDMENT NO. 3

Consultant: Rincon Consultants

Background & Scope of Work: On March 25, 2019, SCAG awarded Contract No. 18-001-B14A to Rincon Consultants to prepare a Climate Action Plan (CAP) that establishes a long-range vision of sustainability while achieving consistency with local economic objectives and state guidance and regional planning efforts for the City of South Pasadena (City).

This amendment also increases the contract value from \$99,915 to \$107,228 (\$7,313) and extends the contract term from 9/30/20 to 12/31/20.

This increase is for Task 2.6, City Council Meetings, to provide five (5) additional City Council meetings to help educate the City's decision makers and community about the Climate Action Plan.

Project's Benefits & Key Deliverables:

- A Climate Action Plan to align with the City's General Plan/Land Use Element;
- Forecast and reduction targets for the City's GHG Emissions for the years 2020, 2020 and 2050; and
- Memorandum on City's climate change impacts and vulnerabilities;

Strategic Plan: This item supports SCAG's Strategic Plan Goal 1: Produce innovative solutions that improve the quality of life for Southern Californians; Create plans that enhance the region's strength, economy, resilience and adaptability by reducing greenhouse gas emissions and air pollution.

Amendment Amount:	Amendment 3	\$7,313
	Amendment 2 (administrative - no change to contract's value)	\$0
	Amendment 1 (administrative – no change to contract's value)	\$0
	Original contract value	<u>\$99,915</u>
	Total contract value is not to exceed	\$107,228

This amendment does not exceed \$75,000 or 30% of the contract's original value. Therefore, in accordance with the SCAG Procurement Manual (dated 04/17/20) Section 9.3, it does not require the Regional Council's approval.

Contract Period: March 25, 2019 through September 30, 2020

Project Number: 275-4823E.04 \$107,228
Funding sources: Transportation Development Act (TDA).

Basis for the Amendment: The City of South Pasadena requested five (5) additional City Council meetings for the South Pasadena Climate Action Plan requesting the Consultant's attendance and participation at the additional meetings to help educate the City's decision makers and community about the development of the Climate Action Plan that is underway. The additional meetings are for both City Council meetings as well as for the City's Natural Resources and Environmental Commission (NREC) meetings. The Council has indicated that they will not consider the plan for adoption unless it has been reviewed and approved by the NREC. Each phase of the plan needs to be expertly presented to the Commission and the Council by the consultants in order

to ensure an efficient and collaborative process. This will also give the public more opportunities to voice their comments on the plan, especially since Covid-19 orders have greatly affected the City's outreach and public participation efforts. Other repercussions from the pandemic, including severe revenue loss, would cause further delays in the development, adoption, and implementation of the plan without additional support.



Southern California Association of Governments
Remote Participation Only
September 3, 2020

To: Executive/Administration Committee (EAC)
Regional Council (RC)
From: Basil Panas, Chief Financial Officer,
(213) 236-1817, panas@scag.ca.gov
Subject: CFO Monthly Report

**EXECUTIVE DIRECTOR'S
APPROVAL**

RECOMMENDED ACTION:

Information Only - No Action Required

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 7: Secure funding to support agency priorities to effectively and efficiently deliver work products.

AUDITS:

Caltrans

On August 12, 2020, SCAG received a final letter of resolution concerning the Caltrans Incurred Cost Audit. The letter stated that:

1. SCAG had provided adequate documentation to demonstrate implementation of the corrective actions required by Caltrans;
2. SCAG had repaid disallowed costs to the Division of Local Assistance in the amount of \$338,986; and
3. SCAG had submitted documentation supporting SCAG's repayment of \$1,809,603 in disallowed costs by cost substitution to the Division of Transportation Planning.

External Financial Audit

Eide Bailly LLP, SCAG's outside independent auditor, will conduct final fieldwork in September.

MEMBERSHIP DUES:

As of August 10, 2020, 104 cities and two counties had renewed their memberships, 57 of whom took advantage of the 20 percent dues waiver. Fifty percent of the assessment has been collected. This leaves 84 cities and 4 counties yet to renew. Three cities are being recruited for membership.

BUDGET & GRANTS (B&G):

On June 30, 2020, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) approved SCAG's Fiscal Year (FY) 2020-2021 (FY21) Overall Work Program (OWP) for FHWA Metropolitan Planning (PL) and FTA Section 5303 and 5304 funding.

OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

OUR VISION

Southern California's Catalyst for a Brighter Future

OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



Additionally, SCAG received its final allocation for the FY21 Senate Bill 1 (SB 1) Sustainable Communities Formula Grant in the amount of \$5,301,609 for transportation planning projects. SCAG staff will work with Caltrans staff to meet the conditions of grant acceptance as outlined in the award letter. This grant ends on February 28, 2023.

On July 30, 2020, SCAG submitted the FY 2019-20 (FY20) OWP 4th Quarter Progress Report with preliminary expenditures to Caltrans. The 4th Quarter Progress Report with final expenditures and the FY20 OWP Final Work Products will be submitted to Caltrans by August 31, 2020.

CONTRACTS:

In July 2020, the Contracts Department issued five (5) Requests for Proposal, awarded four (4) contracts; issued four (4) contract amendments; and processed 222 Purchase Orders to support ongoing business and enterprise operations. Staff also administered 138 consultant contracts. During FY20, Contracts staff negotiated better pricing and reduced costs for services in the cumulative amount of approximately \$298,527.

ATTACHMENT(S):

1. CFO Monthly Status Report



Office of the Chief Financial Officer

Monthly Status Report

JUNE 2020

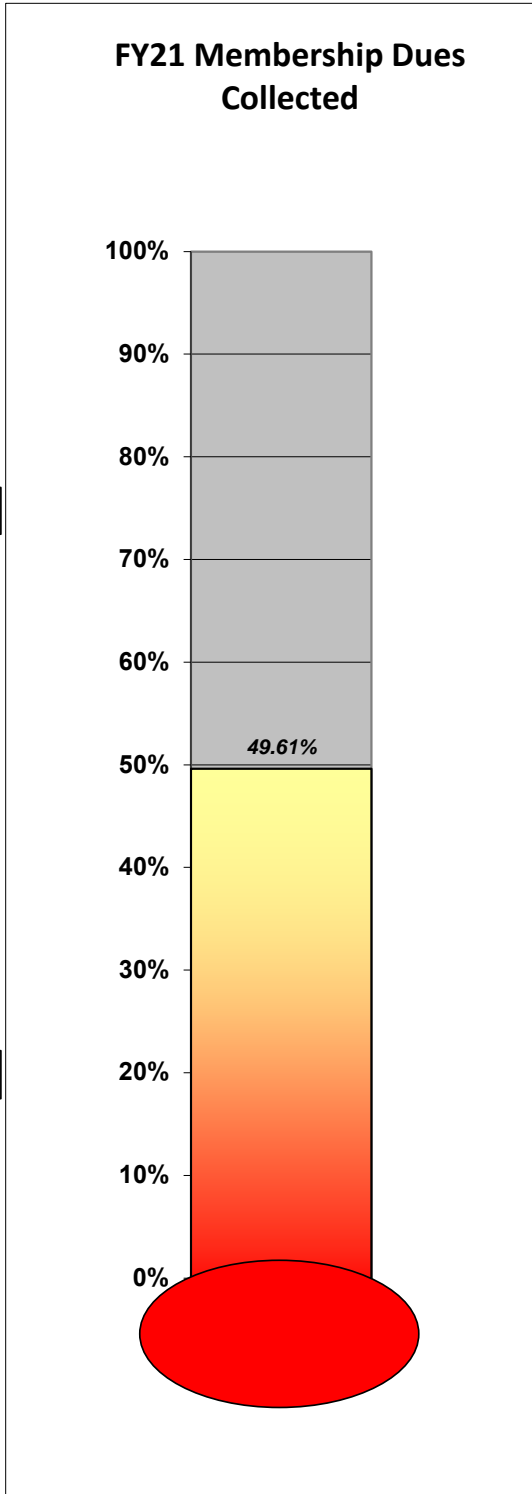


OVERVIEW

As of August 10, 2020, 104 cities and two counties had paid their FY21 dues. This represents 50.0% of the dues assessment. 84 cities and 4 counties had yet to pay their dues. Three cities are being recruited for membership.

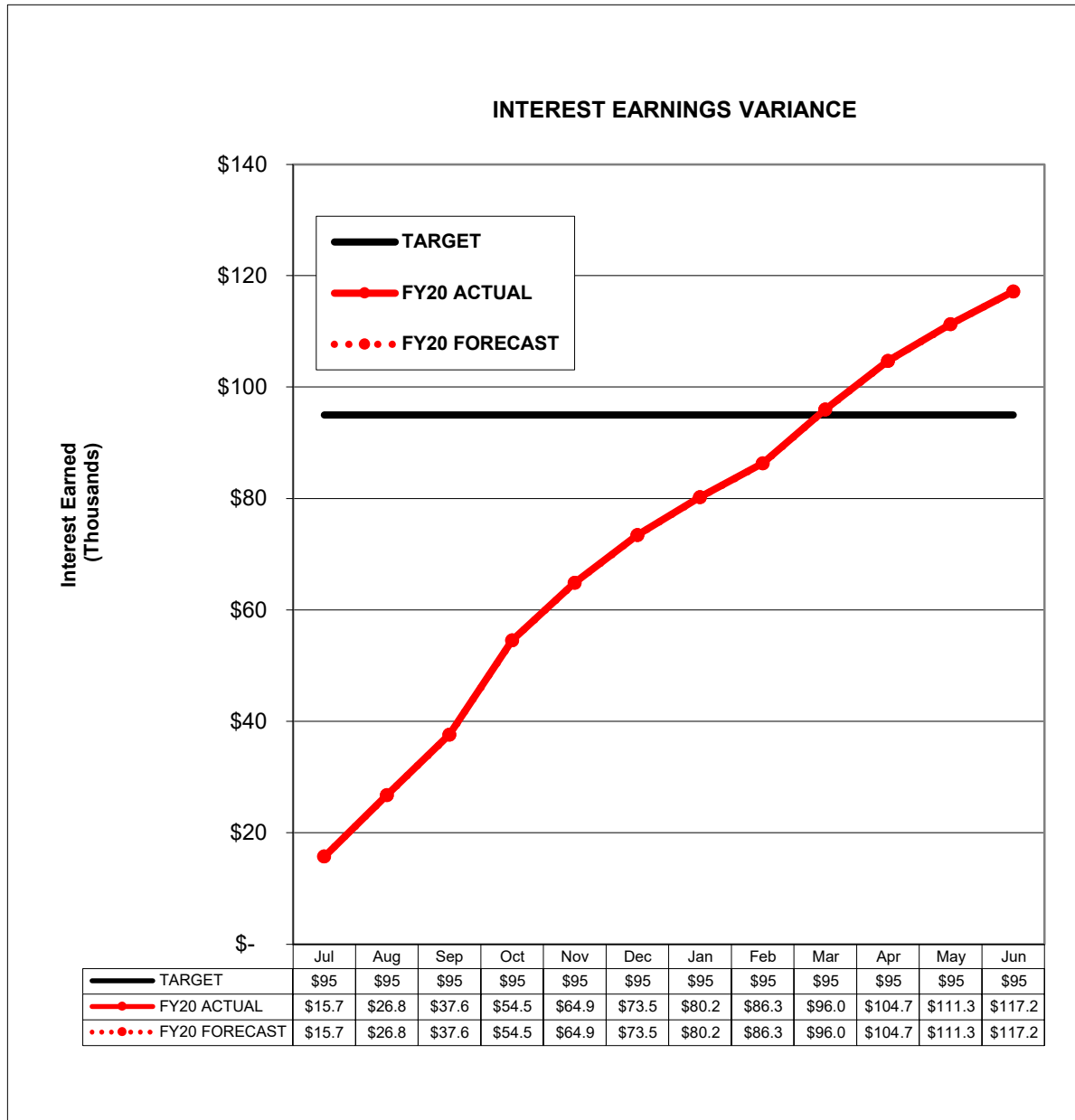
SUMMARY

FY21 Membership Dues	<u>\$ 2,172,297</u>
Total Collected	<u>\$ 1,077,656</u>
Percentage Collected	<u>49.61%</u>





Office of the CFO
Interest Earnings Variance



Attachment: CFO Monthly Status Report (CFO Monthly Report)

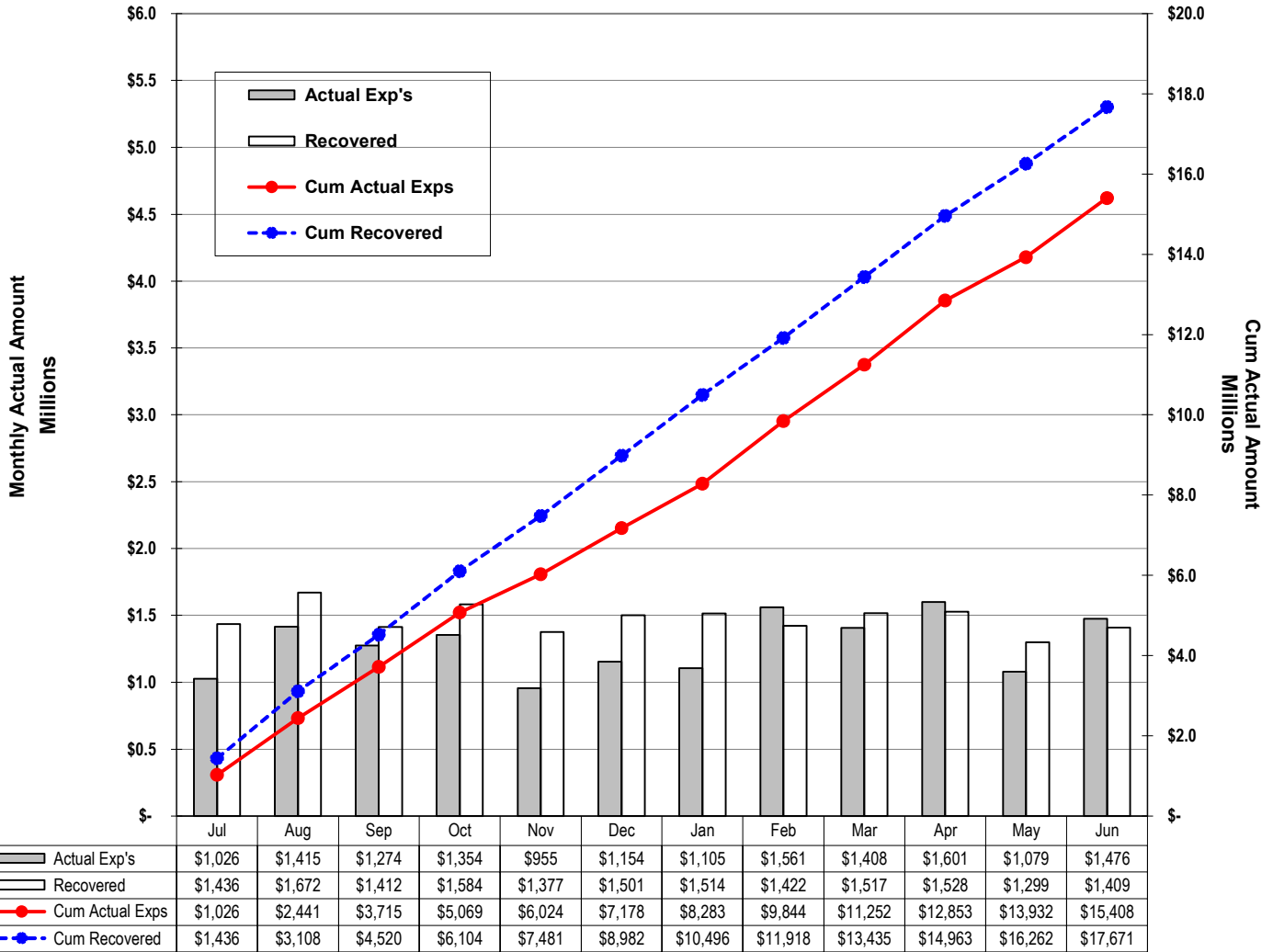
OVERVIEW

Actual interest income is plotted against the target amount. The amount credited to SCAG's account through June was \$117,179. The LA County Pool earned 1.40% in May.

SUMMARY



FY20 INDIRECT COST & RECOVERY



Attachment: CFO Monthly Status Report (CFO Monthly Report)

OVERVIEW

A comparison of Indirect Cost (IC), incurred by SCAG vs. IC recovered from SCAG's grants.

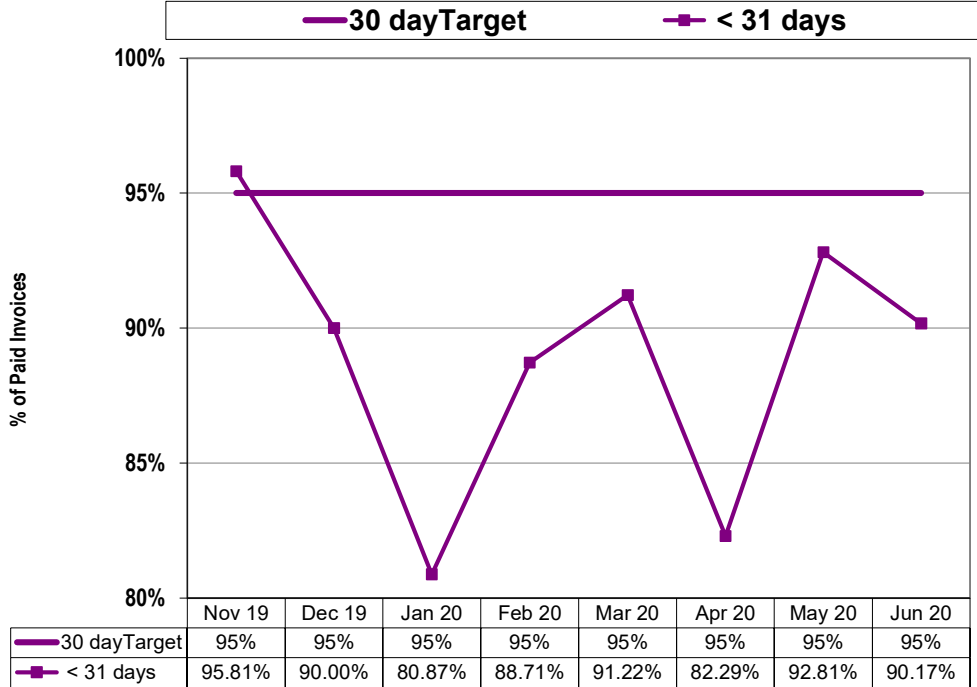
SUMMARY

Through June 2020, SCAG was over-recovered by \$2,263,239.00 due to unspent Indirect Cost budget. This is in line with the over-recovery built in to the FY20 IC rate.

Office of the CFO
Invoice Aging



INVOICE AGING



OVERVIEW

The percent of total invoices paid within 30 days. The target is to pay 95% of all invoices within 30 days. This goal was not met.

SUMMARY

90.17% of June 2020's payments were made within 30 days of invoice receipt.

At month-end, 66 invoices remained unpaid less than 30 days.

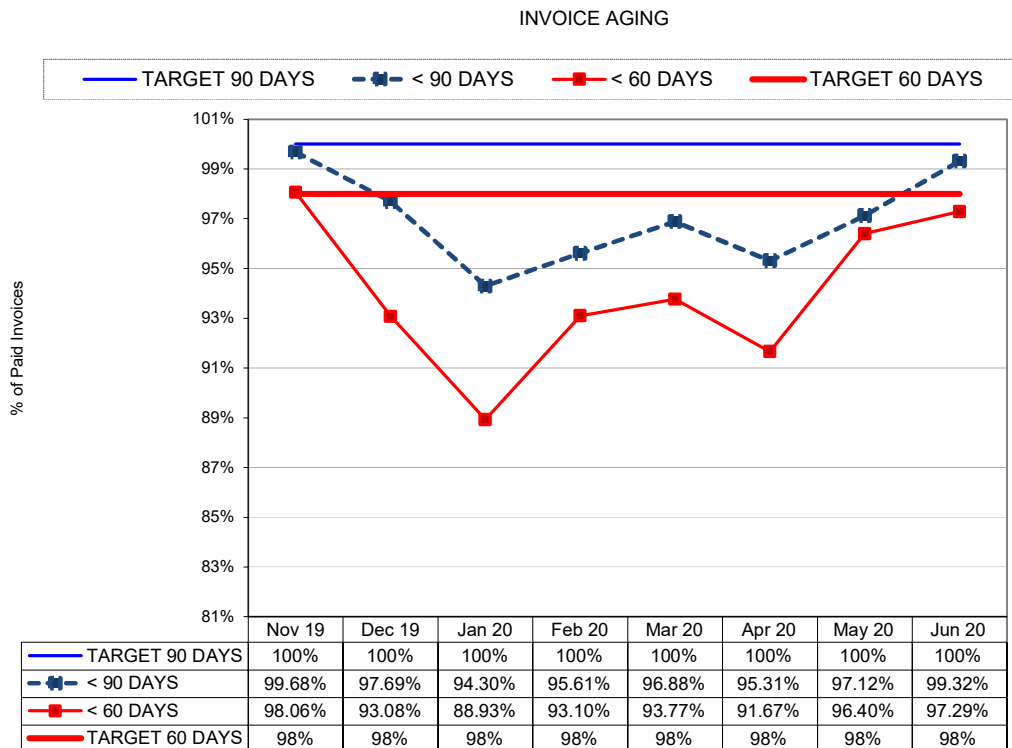
OVERVIEW

The percent of total invoices paid within 60 and 90 days. The target is to pay 98% of invoices within 60 days and 100% within 90 days.

SUMMARY

These goals were not met during this period.

97.29% of June 2020's payments were within 60 days of invoice receipt and 99.32% within 90 days. Invoices unpaid 30-60 days totaled 16; 60-90 days: 7; >90 days: 2.





Office of the CFO
Consolidated Balance Sheet

	5/31/2020	6/30/2020	Incr (decr) to equity	COMMENTS
Cash at Bank of the West	\$ 5,207,195	\$ 7,615,786		
LA County Investment Pool	\$ 2,821,293	\$ 2,886,714		
Cash & Investments	\$ 8,028,489	\$ 10,502,499	\$ 2,474,011	Revenues of \$8.82M and Expenses of 6.35M both on cash basis.
Accounts Receivable	\$ 11,645,474	\$ 8,711,461	\$ (2,934,012)	Payments of \$1.08M from FTA 5303, \$2.06M from FHWA PL, \$431k from SB1 & offset by billings of \$325K to ATP, \$176K to FHWA-PP, \$88K to VCTC & \$74K to FHWA-ATP.
Other Current Assets	\$ 1,823,536	\$ 2,228,256	\$ 404,719	Net additions of \$342K in prepaids expensed plus IC fund under-recovery of \$67K less decreases in A/R Other of \$4K.
Fixed Assets - Net Book Value	\$ 5,957,615	\$ 5,957,615	\$ -	No change.
Total Assets	\$ 27,455,113	\$ 27,399,831	\$ (55,282)	
	\$ (484,873)			
	\$ (4,062,579)			
Accounts Payable	\$ (4,547,452)	\$ (5,453,011)	\$ (905,559)	Receipt of FYE invoices
Employee-related Liabilities	\$ (320,517)	\$ (426,103)	\$ (105,586)	May had 5 unpaid working days while June had 7.
Deferred Revenue	\$ (797,064)	\$ (995,429)	\$ (198,365)	Membership revenue of \$99k, sponsorship revenue of \$45k & cash match revenue of \$55k.
Total Liabilities and Deferred Revenue	\$ (5,665,033)	\$ (6,874,544)	\$ (1,209,510)	
Fund Balance	\$ 21,790,080	\$ 20,525,288	\$ (1,264,792)	
WORKING CAPITAL				
	5/31/2020	6/30/2020	Incr (decr) to working capital	
Cash	\$ 8,028,489	\$ 10,502,499	\$ 2,474,011	
Accounts Receivable	\$ 11,645,474	\$ 8,711,461	\$ (2,934,012)	
Accounts Payable	\$ (4,547,452)	\$ (5,453,011)	\$ (905,559)	
Employee-related Liabilities	\$ (320,517)	\$ (426,103)	\$ (105,586)	
Working Capital	\$ 14,805,993	\$ 13,334,846	\$ (1,471,146)	

Attachment: CFO Monthly Status Report (CFO Monthly Report)



Office of the CFO
Fiscal Year-To-Date Expenditure Report Through June 30, 2020

COMPREHENSIVE BUDGET

		Adopted Budget	Amended Budget	Expenditures	Commitments	Budget Balance	% Budget Spent
1	Staff & Allocated Fringe Benefits	540,920	540,920	456,360	-	84,560	84.4%
2	51001 Allocated Indirect Costs	674,563	674,563	569,081	-	105,482	84.4%
3	54300 SCAG Consultants	291,400	316,602	140,304	62,875	113,423	44.3%
4	54340 Legal costs	120,000	128,200	96,318	31,882	0	75.1%
	54360 Pass-through Payments			140	-	(140)	#DIV/0!
5	55210 Software		74,000	73,851	149	0	99.8%
6	55441 Payroll, bank fees	12,500	12,500	13,573	0	(1,073)	108.6%
7	55600 SCAG Memberships	116,000	116,000	120,259	-	(4,259)	103.7%
8	55610 Professional Membership	11,500	11,500	7,627	556	3,317	66.3%
9	55620 Res mat/sub	2,000	7,500	5,960	-	1,541	79.5%
10	55830 Conference - Registration	1,000	1,500	300	-	1,201	20.0%
11	55860 Scholarships	32,000	36,000	36,000	-	0	100.0%
12	55910 RC/Committee Mtgs	25,000	15,000	-	-	15,000	0.0%
13	55912 RC Retreat	10,000	13,000	12,616	-	384	97.0%
14	55914 RC General Assembly	672,000	672,000	59,115	18,978	593,907	8.8%
15	55915 Demographic Workshop	28,000	28,000	-	8	27,992	0.0%
16	55916 Economic Summit	100,000	86,958	86,957	1	(0)	100.0%
17	55918 Housing Summit	20,000	13,100	-	-	13,100	0.0%
18	55920 Other Meeting Expense	75,000	93,500	62,114	31,386	(0)	66.4%
19	55925 RHNA Subgrl Delegation	500,000	432,000	-	-	432,000	0.0%
20	55xxx Miscellaneous other	101,966	59,866	49,126	0	10,740	82.1%
21	55940 Stipend - RC Meetings	210,485	207,485	198,550	-	8,935	95.7%
22	56100 Printing	30,000	30,000	302	397	29,301	1.0%
23	58100 Travel - outside SCAG region	92,500	93,500	76,324	-	17,176	81.6%
24	58101 Travel - local	36,500	37,000	37,802	-	(802)	102.2%
25	58110 Mileage - local	28,500	30,300	21,482	-	8,818	70.9%
26	58150 Travel Lodging	13,500	13,500	10,114	-	3,386	74.9%
27	58800 RC Sponsorships	200,000	200,000	87,885	34,570	77,545	43.9%
28	Total General Fund	3,945,334	3,945,334	2,222,997	180,803	1,541,534	56.3%
29							
30	Staff & Allocated Fringe Benefits	15,383,005	15,575,557	13,714,623	-	1,860,934	88.1%
31	51001 Allocated Indirect Costs	19,182,124	19,422,229	17,102,135	-	2,320,094	88.1%
32	54300 SCAG Consultants	29,075,454	32,855,561	5,832,386	16,631,639	10,391,536	17.8%
33	54302 Non-Profits/IHL	485,000	549,000	151,568	316,424	81,008	27.6%
34	54303 Consultants TC - FTA 5303	6,265,889	6,265,889	2,283,769	1,066,346	2,915,773	36.4%
35	54340 Legal Services - FTA 5303	200,000	200,000	153,097	32,598	14,305	76.5%
37	54360 Pass-through Payments	4,480,619	8,331,178	1,037,166	6,434,247	859,765	12.4%
38	55210 Software Support	250,000	250,000	155,311	60,710	33,979	62.1%
39	55250 Cloud Services	489,330	489,330	242,841	16,378	230,111	49.6%
40	5528x Third Party Contributions	5,739,013	5,621,011	3,571,526	-	2,049,485	63.5%
41	55284 Toll Credits	718,703	-	-	-	0	#DIV/0!
42	55310 F&F Principal	239,928	239,928	239,928	(20,441)	20,441	100.0%
43	55315 F&F Interest	27,635	27,635	27,636	(1,988)	1,987	100.0%
44	55320 AV Principal	133,703	133,703	133,702	1	(0)	100.0%
45	55325 AV Interest	6,390	6,390	6,390	0	(0)	100.0%
46	55xxx Office Expenses	2,000	2,000	162	-	1,838	8.1%
47	55520 Hardware Supp	5,000	5,000	1,612	-	3,388	32.2%
48	55580 Outreach/Advertisement	50,000	50,000	12,787	37,213	0	25.6%
49	55610 Professional Memberships	2,500	2,500	-	-	2,500	0.0%
50	55620 Resource Materials - subscrib	934,455	934,455	273,500	78,552	582,403	29.3%
51	55730 Capital Outlay	300,000	300,000	5,945	34,160	259,895	2.0%
52	55810 Public Notices	57,000	57,012	57,013	(0)	(0)	100.0%
53	55830 Conf. Registration	3,500	3,500	3,143	357	(0)	89.8%
54	55840 Training Registration		1,200	1,200	-	0	100.0%
55	55920 Other Meeting Expense	54,000	54,000	3,453	-	50,547	6.4%
56	55930 Miscellaneous	294,228	2,476,027	150	233,663	2,242,214	0.0%
57	56100 Printing	15,000	15,000	-	-	15,000	0.0%
58	58xxx Travel	293,750	295,950	78,295	-	217,655	26.5%
59	58800 RC Sponsorships		-	10,000	-	(10,000)	#DIV/0!
60	59090 Exp - Local Other	6,268,529	9,113,397	369,505	-	8,743,892	4.1%
61	Total OWP & TDA Capital	90,956,755	103,277,452	45,468,845	24,919,859	32,888,748	44.0%
62							
63	Comprehensive Budget	94,902,089	107,222,786	47,691,841	25,100,662	34,430,282	44.5%

Attachment: CFO Monthly Status Report (CFO Monthly Report)



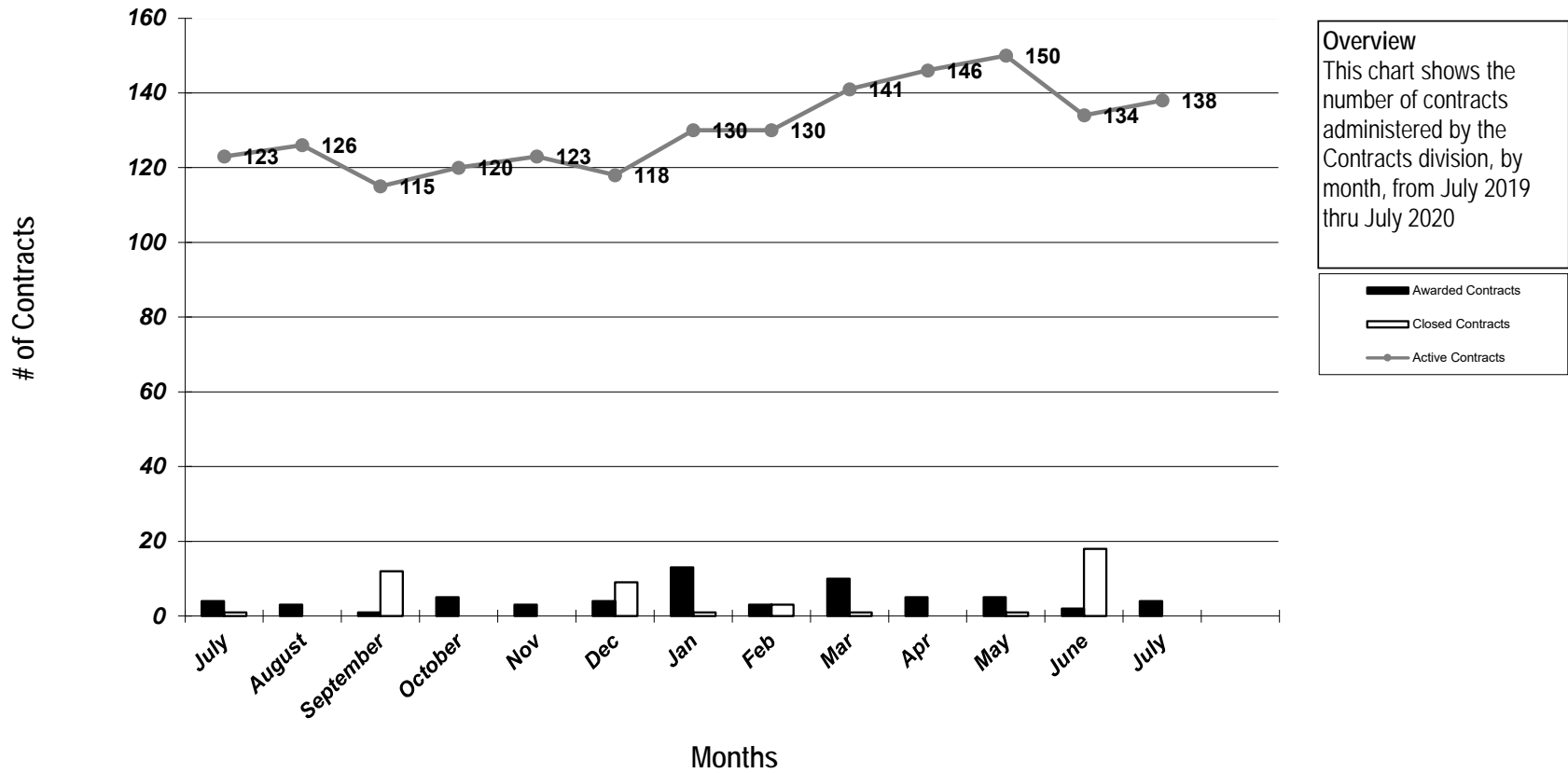
Office of the CFO
Fiscal Year-To-Date Expenditure Report Through June 30, 2020

INDIRECT COST EXPENDITURES

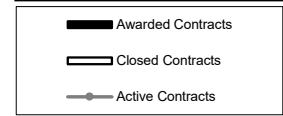
		Adopted Budget	Amended Budget	Expenditures	Commitments	Budget Balance	% Budget Spent
1	50010	5,649,706	5,638,175	6,225,334		(587,159)	110.4%
2	50013	1,000	1,000	1,547		(547)	154.7%
3	50014	75,000	77,500	123,429		(45,929)	159.3%
4	50030	80,000	48,500	88,804		(40,304)	183.1%
5	51xxx	4,507,099	4,498,442	4,406,312	-	92,130	98.0%
6	54300	292,150	302,150	82,918	107,348	111,884	27.4%
7	54301	1,041,600	904,398	488,848	170,188	245,362	54.1%
8	54340	40,000	40,000	40,133	-	(133)	100.3%
9	55210	519,400	531,400	392,696	32,273	106,431	73.9%
10	55220	415,000	750,024	626,401	14,980	108,644	83.5%
11	55230	250,000	-	-	-	0	#DIV/0!
12	55240	26,500	56,500	53,467	3,033	0	94.6%
13	55270		3,600	3,597	-	3	99.9%
14	55315	11,604	11,604	11,603	-	1	100.0%
15	55325	19,745	19,745	19,745	-	0	100.0%
16	55400	1,538,000	1,538,000	1,527,707	10,292	0	99.3%
17	55410	260,000	260,000	182,077	77,924	(0)	70.0%
18	55415	5,000	7,500	3,870	293	3,337	51.6%
19	55420	100,000	100,000	53,327	41,352	5,321	53.3%
20	55430	1,000	3,000	1,690	-	1,311	56.3%
21	55435	100,000	80,000	42,265	24,249	13,486	52.8%
22	55440	238,385	276,927	300,755	-	(23,828)	108.6%
23	55441	15,000	15,000	10,503	4,497	0	70.0%
24	55445	5,000	5,000	805	1,819	2,376	16.1%
25	55460	64,000	52,000	3,718	841	47,440	7.2%
26	55510	73,800	74,400	45,856	28,544	(0)	61.6%
27	55520	2,500	2,036	2,036	-	0	100.0%
28	55530	195,000	195,250	130,524	3,821	60,905	66.8%
29	55540	10,000	10,000	244	9,756	(0)	2.4%
30	55550	5,000	5,000	3,609	1,391	0	72.2%
31	55600	76,200	76,400	57,232	163	19,006	74.9%
32	55610	1,500	1,400	240	-	1,160	17.1%
33	55611	1,350	1,350	759	-	591	56.2%
34	55620	70,800	70,950	43,342	8,860	18,748	61.1%
35	55700	185,000	185,000	170,183	-	14,817	92.0%
36	55715	1,684	1,684	-	-	1,684	0.0%
37	55720	62,500	62,500	74,055	-	(11,555)	118.5%
38	55800	25,000	25,000	11,222	-	13,778	44.9%
39	55801	45,000	65,000	28,296	16,491	20,213	43.5%
40	55810	2,500	2,500	-	-	2,500	0.0%
41	55820	30,000	35,000	22,427	-	12,573	64.1%
42	55830	22,500	18,500	5,758	-	12,742	31.1%
43	55840	65,000	65,000	37,559	-	27,441	57.8%
44	55920	2,500	2,500	25	-	2,475	1.0%
45	55950	105,000	105,000	34,792	-	70,208	33.1%
46	55xxx	6,500	17,688	475	-	17,213	2.7%
47	56100	23,000	23,000	9,400	-	13,600	40.9%
48	58100	82,800	82,100	29,779	-	52,321	36.3%
49	58101	19,500	20,600	3,753	-	16,847	18.2%
50	58110	23,500	25,000	3,067	-	21,933	12.3%
51	58120	3,000	3,000	1,793	-	1,207	59.8%
52	Total Indirect Cost	16,396,323	16,396,323	15,407,977	558,114	430,232	94.0%

Attachment: CFO Monthly Status Report (CFO Monthly Report)

SCAG Contracts (Year to Date)



Overview
This chart shows the number of contracts administered by the Contracts division, by month, from July 2019 thru July 2020



Summary

As illustrated on the chart, the Contracts Department is currently managing a total of 138 contracts. Fifty-nine (59) are Cost Plus Fee contracts; forty (40) are Lump Sum (formerly Fixed Price) contracts, and the remaining thirty-nine (39) are Time and Materials (T&M) contracts (includes Labor Hour and Retainer contracts). The Contracts Department anticipates issuing approximately eighty (80) contracts for FY 2020-21. Note, due to the nature of SCAG's work, the majority of SCAG contracts have a one year term and end on June 30th each year.

Office of the CFO
Staffing Report as of July 1, 2020



GROUPS	Authorized Positions	Filled Positions	Vacant Positions
Executive Office	13	13	0
Legal Services	2	1	1
Finance	23	23	0
Information Technology	23	19	4
Policy & Public Affairs	19	19	0
Planning & Programs	69	66	3
Total	149	141	8

OTHER POSITIONS

GROUPS	Limited Term Positions	Interns or Volunteers	Temp Positions	Agency Temps
Executive Office	0	1	0	0
Finance	0	0	1	0
Policy & Public Affairs	0	1	0	0
Information Technology	2	0	0	0
Planning & Programs	4	7	1	0
Total	6	9	2	0

Attachment: CFO Monthly Status Report (CFO Monthly Report)