



MEETING OF THE

COMMUNITY, ECONOMIC & HUMAN DEVELOPMENT COMMITTEE

Main Office

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Human Development
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Transportation
Alan Wapner, San Bernardino
Associated Governments

Thursday, July 2, 2015
10:00 a.m. – 12:00 p.m.

SCAG Main Office
818 W. 7th Street, 12th Floor
Policy Committee Room B
Los Angeles, CA 90017
(213) 236-1800

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Tess Rey-Chaput at (213) 236-1908 or via email at REY@scag.ca.gov. In addition, regular meetings of the Community, Economic, and Human Development (CEHD) Committee may be viewed live or on-demand at <http://www.scag.ca.gov/NewsAndMedia/Pages/SCAGTV.aspx>

Agendas & Minutes for the CEHD Committee are also available at:
<http://www.scag.ca.gov/committees/Pages/default.aspx>

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**Community, Economic, and Human Development Committee
Members – July 2015**

<u>Members</u>		<u>Representing</u>	
Chair*	1. Hon. Bill Jahn	<i>Big Bear Lake</i>	District 11
Vice Chair*	2. Hon. Larry McCallon	<i>Highland</i>	District 7
	3. Hon. Dante Acosta	<i>Santa Clarita</i>	SFVCOG
	4. Hon. Wendy Bucknum	<i>Mission Viejo</i>	OCCOG
	5. Hon. Carol Chen	<i>Cerritos</i>	GCCOG
*	6. Hon. Steven Choi	<i>Irvine</i>	District 14
	7. Hon. Jeffrey Cooper	<i>Culver City</i>	WSCCOG
*	8. Hon. Barbara Delgleize	<i>Huntington Beach</i>	District 64
	9. Hon. Rose Espinoza	<i>La Habra</i>	OCCOG
	10. Hon. Kerry Ferguson	<i>San Juan Capistrano</i>	OCCOG
*	11. Hon. Margaret Finlay	<i>Duarte</i>	District 35
	12. Hon. Debbie Franklin	<i>Banning</i>	WRCOG
*	13. Hon. James Gazeley	<i>Lomita</i>	District 39
	14. Hon. Julie Hackbarth-McIntyre	<i>Barstow</i>	SANBAG
	15. Hon. Tom Hansen	<i>Paramount</i>	GCCOG
	16. Hon. Robert Joe	<i>South Pasadena</i>	Arroyo Verdugo Cities
*	17. Hon. Barbara Kogerman	<i>Laguna Hills</i>	District 13
	18. Hon. Paula Lantz	<i>Pomona</i>	SGVCOG
	19. Hon. Joe Lyons	<i>Claremont</i>	SGVCOG
*	20. Hon. Victor Manalo	<i>Artesia</i>	District 23
	21. Hon. Charles Martin		Morongo Band of Mission Indians
	22. Hon. Joseph McKee	<i>Desert Hot Springs</i>	CVAG
	23. Hon. Susan McSweeney	<i>Westlake Village</i>	LVMCOG
*	24. Hon. Carl Morehouse	<i>Ventura</i>	District 47
	25. Hon. Ray Musser	<i>Upland</i>	SANBAG
*	26. Hon. Steve Nagel	<i>Fountain Valley</i>	District 15
*	27. Hon. John Nielsen	<i>Tustin</i>	District 17
	28. Hon. Edward Paget	<i>Needles</i>	SANBAG
	29. Hon. Jim Predmore	<i>Holtville</i>	ICTC
	30. Hon. John Procter	<i>Santa Paula</i>	VCOG
*	31. Hon. Rex Richardson	<i>Long Beach</i>	District 29
	32. Hon. Sonny R. Santa Ines	<i>Bellflower</i>	GCCOG
*	33. Hon. Andrew Sarega	<i>La Mirada</i>	District 31
	34. Hon. Becky Shevlin	<i>Monrovia</i>	SGVCOG
*	35. Hon. Tri Ta	<i>Westminster</i>	District 20
	36. Hon. Ray Torres		Torres Martinez Band of Cahuilla Indians
	37. Hon. Frank Zerunyan	<i>Rolling Hills Estates</i>	SBCCOG

*Regional Council Member

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COMMUNITY, ECONOMIC AND HUMAN DEVELOPMENT COMMITTEE AGENDA JULY 2, 2015

The Community, Economic and Human Development (CEHD) Committee may consider and act upon any of the items listed on the agenda regardless of whether they are listed as Information or Action Items.

CALL TO ORDER & PLEDGE OF ALLEGIANCE

(Hon. Bill Jahn, Chair)

PUBLIC COMMENT PERIOD – Members of the public desiring to speak on items on the agenda, or items not on the agenda, but within the purview of the Committee, must fill out and present a speaker's card to the Assistant prior to speaking. Comments will be limited to three (3) minutes. The Chair may limit the total time for all comments to twenty (20) minutes.

REVIEW AND PRIORITIZE AGENDA ITEMS

ACTION ITEMS

	<u>Time</u>	<u>Page No.</u>
1. <u>Minutes of the June 4, 2015 Meeting</u>	Attachment	1
2. <u>Cap-and-Trade Greenhouse Gas Reduction Fund: Affordable Housing & Sustainable Communities (AHSC) Program and State Expenditure Plan Update</u> <i>(Huasha Liu, Director, Land Use and Environmental Planning)</i>	Attachment 30 mins.	6

Recommended Action: Approve the Affordable Housing & Sustainable Communities (AHSC) Action Plan.

CONSENT CALENDAR

Receive and File

3. <u>2015 Regional Council and Policy Committees Meeting Schedule</u>	Attachment	9
4. <u>SCAG Sustainability Planning Grants Program – Monthly Update</u>	Attachment	10

INFORMATION ITEM

5. <u>SCAG Planning Studio – Environmental Justice and Geographic Information System (GIS) Application</u> <i>(Huasha Liu, Director, Land Use and Environmental Planning)</i>	Attachment 45 mins.	18
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CHAIR'S REPORT

(Hon. Bill Jahn, Chair)

STAFF REPORT

(Frank Wen, SCAG Staff)

FUTURE AGENDA ITEM/S

ANNOUNCEMENTS

ADJOURNMENT

There will be no meeting in August (dark). The next regular meeting will be held on Thursday, September 3, 2015 at the SCAG Los Angeles Office.

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**COMMUNITY, ECONOMIC & HUMAN DEVELOPMENT COMMITTEE
of the
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS**

**June 4, 2015
Minutes**

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE COMMUNITY, ECONOMIC & HUMAN DEVELOPMENT COMMITTEE. AN AUDIO RECORDING OF THE ACTUAL MEETING IS AVAILABLE FOR LISTENING.

The Community, Economic & Human Development Committee held its meeting at SCAG's downtown Los Angeles office.

Members Present

Hon. Dante Acosta, Santa Clarita	SFVCOG
Hon. Wendy Bucknum, Mission Viejo	OCCOG
Hon. Carol Chen, Cerritos	GCCOG
Hon. Jeffrey Cooper, Culver City	WSCCOG
Hon. Barbara Delgleize, Huntington Beach	District 64
Hon. Kerry Ferguson, San Juan Capistrano	OCCOG
Hon. Margaret Finlay, Duarte	District 35
Hon. Debbie Franklin, Banning	WRCOG
Hon. James Gazeley, Lomita	District 39
Hon. Bill Jahn, Big Bear Lake (Chair)	District 11
Hon. Robert Joe, South Pasadena	Arroyo Verdugo Cities
Hon. Barbara Kogerman, Laguna Hills	District 13
Hon. Paula Lantz, Pomona	District 38
Hon. Joe Lyons, City of Claremont	SGVCOG
Hon. Victor Manalo, Artesia	District 23
Hon. Larry McCallon, Highland (Vice-Chair)	District 7
Hon. Joe McKee, City of Desert Hot Springs	CVAG
Hon. Carl Morehouse, San Buenaventura	District 47
Hon. Ray Musser, Upland	SANBAG
Hon. Steve Nagel, City of Fountain Valley	OCCOG
Hon. John Nielsen, Tustin	District 17
Hon. Jim Predmore, Holtville	ICTC
Hon. John Procter, Santa Paula	VCOG
Hon. Rex Richardson, Long Beach	District 29
Hon. Sonny Santa Ines, Bellflower	GCCOG
Hon. Tri Ta, Westminster	District 20

Members Not Present

Hon. Steven Choi, City of Irvine	District 14
Hon. Rose Espinoza, City of La Habra	OCCOG
Hon. Tom Hansen, City of Paramount	GCCOG

Members Not Present (Cont'd)

Hon. Charles Martin	Morongo Band of Mission Indians
Hon. Julie Hackbarth-McIntyre, Barstow	SANBAG
Hon. Susan McSweeney, Westlake Village	LVMCOG
Hon. Gene Murabito, Glendora	SGVCOG
Hon. Ed Paget , Needles	SANBAG
Hon. Andrew Sarega, City of LaMirada	District 31
Hon. Becky Shevlin, Monrovia	SGVCOG
Hon. Ray Torres	Torres-Martinez Desert Cahuilla Indians
Hon. Frank Zerunyan, Rolling Hills Estates	SBCCOG

CALL TO ORDER & PLEDGE OF ALLEGIANCE

Hon. Bill Jahn, Chair, called the meeting to order at 10:05 AM. Hon. Carol Chen led the Committee in the Pledge of Allegiance.

The Chair introduced three (3) new members to the Committee, as follows: Hon. Dante Acosta, from the City of Santa Clarita, representing SFVCOG, Hon. Victor Manalo, from the City of Artesia, representing District 23, and Hon. Wendy Bucknum, from the City of Mission Viejo, representing OCCOG.

PUBLIC COMMENT PERIOD

There were no public comments presented.

REVIEW AND PRIORITIZE AGENDA ITEMS

There was no reprioritization of the agenda.

ACTION ITEMS

1. Minutes of the April 2, 2015 Meeting

A MOTION was made (Finlay) to approve the Minutes of the April 2, 2015 meeting. The MOTION was SECONDED (Morehouse) and APPROVED by the following vote:

AYES: Chen, Cooper, Ferguson, Finlay, Franklin, Gazeley, Jahn, Joe, Kogerman, Lantz, Lyons, Manalo, McCallon, McKee, Morehouse, Musser, Nagel, Nielsen, Predmore, Procter, Santa Ines

NOES: None

ABSTAIN: Acosta, Ta

CONSENT CALENDAR

Receive and File

2. 2015 Regional Council and Policy Committees Meeting Schedule

4. SCAG Sustainability Planning Grants Program – Monthly Update

A MOTION was made (Finlay) to Receive and File Items 2 & 4. The MOTION was SECONDED (Musser) and APPROVED by the following vote:

AYES: Acosta, Chen, Cooper, Ferguson, Finlay, Franklin, Gazeley, Jahn, Joe, Kogerman, Lantz, Lyons, Manalo, McCallon, McKee, Morehouse, Musser, Nagel, Nielsen, Predmore, Procter, Richardson, Santa Ines, Ta

NOES: None

ABSTAIN: None

Receive and File

3. Cap-and-Trade Greenhouse Gas Reduction Fund: Affordable Housing & Sustainable Communities (AHSC) Program and State Expenditure Plan Update

Huasha Liu, Director of Land Use and Environmental Planning, stated that staff is putting all its efforts into making this legislative fix with the statewide budget to ensure a fair allocation of the cap-and-trade money to the SCAG region. Ms. Liu further stated that staff is preparing an action program, including a staff work plan, to get the region mobilized and ready with good projects in order to compete with other parts of the state. Ms. Liu encouraged the Committee members to get the word out that a regional conference will be held sometime in July to provide more assistance with the project proponent.

A MOTION was made (Lyons) to Receive and File Item 3. The MOTION was SECONDED (Morehouse) and APPROVED by the following vote:

AYES: Acosta, Bucknum, Chen, Cooper, Ferguson, Finlay, Franklin, Gazeley, Jahn, Joe, Kogerman, Lantz, Lyons, Manalo, McCallon, McKee, Morehouse, Musser, Nagel, Nielsen, Predmore, Procter, Richardson, Santa Ines, Ta

NOES: None

ABSTAIN: None

INFORMATION ITEMS

5. California State Polytechnic University, Pomona, College of Environmental Design Pilot Program in Developing Sustainability Projects for the City of Claremont

Michael Woo, Dean of Cal Poly Pomona School of Environmental Design, presented a pilot program in collaboration with the City of Claremont, on a number of sustainability projects developed by Cal Poly students for the City of Claremont. Dean Woo emphasized that this model could be replicated by other SCAG member cities interested in promoting local sustainability projects tailored to their cities.

6. 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS) – Environmental Justice Workshops Update

Ma’Ayn Johnson, Housing and Land Use Planner, stated that SCAG is required to conduct an environmental justice analysis as part of the 2016-2040 RTP/SCS development process. SCAG has conducted three (3) public workshops, and will offer additional workshops and other opportunities for input on the environmental justice process and analysis.

7. Recap of 26th Annual SCAG/USC Demographic Workshop – June 1, 2015

Simon Choi, Chief of Research and Forecasting, provided an overview of the program and key topics discussed at the 26th Annual Demographic Workshop, which was jointly held with the University of Southern California (USC) Sol Price School of Public Policy, on June 1, 2015 at the California Science Center.

CHAIR’S REPORT

There was no Chair’s Report presented.

STAFF REPORT

There was no Staff Report presented.

FUTURE AGENDA ITEMS

There were no future agenda items presented.

ANNOUNCEMENTS

There were no announcements presented.

ADJOURNMENT

The Chair adjourned the meeting at approximately 12:00 PM.

Minutes Reviewed By:


Frank Wen, Manager
Research & Analysis

Community, Economic & Human Development Committee Attendance Report

2015

Member (including Ex-Officio) LastName, FirstName	Representing	X = County Represented						X = Attended = No Meeting NM = New Member EA = Excused Absence											
		IC	LA	OC	RC	SB	VC	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Acosta, Dante	SFVCOG		X							X				NM					
Bucknum, Wendy	OCCOG			X										NM					
Chen, Carol	Gateway Cities		X							X	X			X					
Choi, Steven	City of Irvine (District 14)			X						X	X								
Cooper, Jeffrey	WSCCOG		X							X				X					
Delgleize, Barbara	Huntington Beach			X										NM					
Espinoza, Rose	OCCOG			X							X								
Ferguson, Kerry	OCCOG			X							X			X					
Finlay, Margaret*	Duarte (District 35)		X							X	X			X					
Franklin, Debbie	WRCOG				X					X	X			X					
Gazeley, James*	Lomita (District 39)		X							X	X			X					
Hansen, Tom	Gateway Cities									X	X								
Jahn, Bill* (Chair)	SANBAG (District 11)					X				X	X			X					
Joe, Robert	Arroyo Verdugo		X							X	X			X					
Kogerman, Barbara	District 13			X						NM	X			X					
Lantz, Paula	Pomona (District 38)		X							X	X			X					
Lyons, Joe	SGVCOG		X							X	X			X					
Manalo, Victor	District 23		X											NM					
Martin, Charles	Morongo Indians				X						X								
McCallon, Larry* (Vice-Chair)	Highland (District 7)					X				X	X			X					
Hackbarth-McIntyre, Julie	SANBAG																		
McKee, Joe	CVAG				X					X	X			X					
McSweeney, Susan	Las Virgenes/Malibu COG		X																
Morehouse, Carl*	VCOG (District 47)						X			X	X			X					
Murabito, Gene*	SGVCOG		X																
Musser, Ray	SANBAG					X				X	X			X					
Nagel, Steve	OCCOG			X						X				X					
Nielsen, John*	Tustin (District 17)			X						X	X			X					
Paget, Ed	SANBAG					X				X	X								
Predmore, Jim	ICTC	X								NM	X			X					
Procter, John	VCOG						X			NM	X			X					
Richardson, Rex	District 29		X							NM				X					
Santa Ines, Sonny	GCCOG		X							X	X			X					
Sarega, Andrew	District 31		X																
Shevlin, Becky	SGVCOG		X								X								
Ta, Tri*	District 20			X						X				X					
Torres, Ray	Torres Martinez				X														
Zerunyan, Frank	SBCCOG		X							X	X								
Regional Council Member*																			

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DATE: July 2, 2015

TO: Regional Council (RC)
Community, Economic and Human Development Committee (CEHD)
Energy and Environment Committee (EEC)
Executive Administration Committee (EAC)
Transportation Committee (TC)

FROM: Huasha Liu, Land Use & Environmental Planning Director, (213) 236-1838,
liu@scag.ca.gov

SUBJECT: Cap-and-Trade Greenhouse Gas Reduction Fund: Affordable Housing & Sustainable Communities (AHSC) Program and State Expenditure Plan Update

EXECUTIVE DIRECTOR'S APPROVAL: 

RECOMMENDED ACTION FOR EAC, CEHD AND RC:

Approve the Affordable Housing & Sustainable Communities (AHSC) Action Plan.

RECOMMENDED ACTION FOR EEC AND TC:

For Information Only - No Action Required.

EXECUTIVE SUMMARY:

On June 30, 2015, the Strategic Growth Council (SGC) is scheduled to finalize awards for the 2014-2015 Affordable Housing & Sustainable Communities (AHSC) Program. Per SGC staff's recommendation released on June 19, 2015, only 9 projects in the SCAG region are to be awarded for Round One, totaling \$27,475,736 million. This represents only 22.5% of the total funding statewide, compared to 50% of the state's population and 67% of the state's Disadvantaged Communities. SCAG's elected leadership will attend the June 30 meeting and request that SGC fully fund the remaining projects in the SCAG region and ensure that SGC regards greater regional equity in future rounds.

In addition to seeking legislative revisions to the program and working with SGC to revise program guidelines for future rounds, SCAG has developed an AHSC Action Plan as part of an overarching strategy to secure the region's fair share of Cap and Trade Funding. The Action Plan outlines specific goals and strategies such as collaboration, technical assistance, and outreach to bolster the performance of the SCAG region in this competitive grant program for Round Two and future rounds. The 2015-2016 State Budget outlines a Cap-and-Trade Expenditure Plan for Fiscal Year 2015-2016 with an increase of \$270 million for the AHSC program, totaling \$400 million. The entire Greenhouse Gas Reduction Fund (GGRF) will reach at least \$2.2 billion for Fiscal Year 2015-2016 and is expected to grow in future years.

STRATEGIC PLAN:

This item supports SCAG's Strategic Plan, Goal 1: Improve Regional Decision Making by Providing Leadership and Consensus Building on Key Plans and Policies; Objective a) Create and facilitate a collaborative and cooperative environment to produce forward thinking regional plans.

REPORT

BACKGROUND:

The AHSC Program is a statewide competitive program to provide grants and loans for affordable housing, infill and compact transit-oriented development, and infrastructure connecting these projects to transit. The Strategic Growth Council and Department of Housing and Community Development (HCD) administer the program, including project evaluation and the approval of funding awards. This year, shortly after SGC approved final guidelines for the 2014-15 AHSC Program, 50 proposals from the SCAG region were submitted among the 147 proposals submitted statewide. Of these, 13 are from the SCAG region out of the 54 concept proposals from around the state were invited by SGC to submit full applications for funding consideration. This number from the SCAG region represents just 24% of the total number of statewide projects invited to apply.

Per SGC staff's recommendation released on June 19, 2015, only 9 projects in the SCAG region are to be awarded funding for Round One, totaling \$27,475,736 million. This represents only 22.5% of the total funding statewide. With the SCAG region representing 50% of the state's population and 67% of the state's Disadvantaged Communities, this is far below the region's fair share.

On June 30, SCAG's elected leadership will testify at the SGC meeting to request that SGC fully fund the remaining projects in the SCAG region and that SGC makes revisions to forthcoming program guidelines to ensure that regional equity is achieved.

Next Steps and Actions Plan

While the SGC will be hosting a "Lessons Learned: Round One" Workshop on July 20, 2015 at Caltrans District 7 Headquarters, SCAG is seeking legislative revisions to the program and working with SGC to revise the program guidelines for future rounds, SCAG is simultaneously developing a comprehensive "Action Plan" to competitively position applications from the SCAG region for all Cap-and-Trade funding.

The goals of the Action Plan are:

- Strengthen statewide competitiveness of all Cap-and-Trade applications from the SCAG region
- Strengthen Affordable Housing Sustainable Communities (AHSC) applications throughout the SCAG region
- Increase number of AHSC applications throughout the SCAG region
- Improve statewide competitiveness of all SCAG AHSC applications
- Increase outreach to cities, housing developers, and transportation agencies

Proposed Actions:

- In August 2015, host Regional Kick-Off Workshop for Cap-and-Trade Funding in partnership with a diverse group of foundations, advocacy groups, business organizations, and member cities, counties and transportation commissions.
- Host follow-up Workshops as needed
- Create a Regional AHSC Working Group for information sharing/problem solving
- Continue to develop internal Cap-and-Trade Assistance Team and secure resources to strengthen staff's expertise in grant writing and applicant assistance
- Provide SCAG technical assistance to all Cap-and-Trade applicants, including AHSC

REPORT

The Action Plan will further engage potential project applicants for next year's round of funding and as well as for future rounds. It will also outline specific goals and strategies such as collaboration, technical assistance, and robust outreach to bolster the performance of the SCAG region in this competitive AHSC grant program for up to \$400 million for next fiscal year (Round Two). The SCAG region is incredibly diverse, so the plan considers the need to engage rural, suburban, and urban communities to take advantage of the AHSC funds.

An integral part of the AHSC Action Plan includes bringing together local government, foundations, advocacy groups, businesses—including the GLUE Council, as well as government, transportation, housing, and university partners to spark a regionwide conversation and innovative approaches to developing AHSC projects. SCAG proposes hosting regional workshops and ongoing dialogue to both inform AHSC guidelines development and support the region's applications. Future dates for such dialogue will be announced.

FISCAL IMPACT:

Work associated with this item is included in the current FY2014/15 Overall Work Program (15-020.SCG00161.04: Regulatory Compliance; 15-065.SCG00137: Sustainability Program; and 15-070.SCG00147: Modeling Application and Analysis)

ATTACHMENT:

None.

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2015 MEETING SCHEDULE

REGIONAL COUNCIL AND POLICY COMMITTEES

Main Office
 818 West Seventh Street
 12th Floor
 Los Angeles, California
 90017-3435
 t (213) 236-1800
 f (213) 236-1825
 www.scag.ca.gov

All Regular Meetings are scheduled on the 1st Thursday of each month; except for the month of October*	
Executive/Administration Committee (EAC)	9:00 AM – 10:00 AM
Community, Economic and Human Development Committee (CEHD)	10:00 AM – 12:00 PM
Energy and Environment Committee (EEC)	10:00 AM – 12:00 PM
Transportation Committee (TC)	10:00 AM – 12:00 PM
Regional Council (RC)	12:15 PM – 2:00 PM

Officers
 President
 Cheryl Viegas-Walker, El Centro

 First Vice President
 Michele Martinez, Santa Ana

 Second Vice President
 Margaret Finlay, Duarte

 Immediate Past President
 Carl Morehouse, San Buenaventura

**Executive/Administration
 Committee Chair**
 Cheryl Viegas-Walker, El Centro

Policy Committee Chairs
 Community, Economic and
 Human Development
 Bill Jahn, Big Bear

 Energy & Environment
 Deborah Robertson, Rialto

 Transportation
 Alan Wapner, San Bernardino
 Associated Governments

January 1, 2015 (DARK)

February 5, 2015

March 5, 2015

April 2, 2015

**May 7 – 8, 2015
 (2015 SCAG Regional Conference & General Assembly)**

June 4, 2015

July 2, 2015

August 6, 2015 (DARK)

September 3, 2015

October 8, 2015*

(Note: League of California Cities Annual Conference, San Jose, CA, on Sept. 30 – Oct. 2)

November 5, 2015

December 3, 2015

The Regional Council consists of 86 elected officials representing 191 cities, six counties, six County Transportation Commissions, one representative from the Transportation Corridor Agencies, one Tribal Government representative and one representative for the Air Districts within Southern California.

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DATE: July 2, 2015

TO: Regional Council (RC)
Executive/Administration Committee (EAC)
Community, Economic, and Human Development (CEHD) Committee
Energy and Environment Committee (EEC)
Transportation Committee (TC)

FROM: Huasha Liu, Director, Land Use and Environmental Planning, liu@scag.ca.gov, 213-236-1838

SUBJECT: SCAG Sustainability Planning Grants Program – Monthly Update

EXECUTIVE DIRECTOR'S APPROVAL: 

RECOMMENDED ACTION:
Receive and File.

EXECUTIVE SUMMARY:

SCAG is providing a monthly update regarding successful implementation of (75) Sustainability Grants to member agencies. Forty-four (44) of the seventy-five (75) approved SCAG Sustainability Planning Grants were funded in the fall of 2013. An additional fifteen (15) projects were funded in the summer of 2014. Six of these projects will be funded by an award to SCAG from the California Strategic Growth Council. The remaining projects were funded in the fall of 2014. At the time this report was distributed, seventy (70) grant projects have had Scopes of Work developed and finalized, sixty-nine (69) grant projects have had Request for Proposals (RFPs) released, sixty-seven (67) grant projects have selected consultants, and fifty-two (52) grant projects have had contracts executed (this includes contracts resulting from Memoranda of Understanding between SCAG and the following Cities and funding contributions: West Covina - \$200,000; Indio - \$175,000; Westminster - \$200,000; and Fountain Valley - \$200,000. These funding contributions are consistent with the Sustainability Grant amount the Regional Council previously authorized).

STRATEGIC PLAN:

This item supports SCAG's Strategic Plan Goal 1: Improve Regional Decision Making by Providing Leadership and Consensus Building on Key Plans and Policies; and Goal 4: Develop, Maintain and Promote the Utilization of State of the Art Models, Information Systems and Communication Technologies.

BACKGROUND:

On September 12, 2013, the Regional Council approved seventy-three (73) Sustainability Planning Grant projects and directed staff to proceed with funding projects with available funds for Phases I and Phase II projects (total of 44 projects). The remaining projects comprised Phase III and are proceeding as additional funds have become available in FY 2014/2015. An additional fifteen (15) projects were funded in the summer of 2014. On August 7, 2014 the Regional Council approved adding two (2) Sustainability Planning Grant projects to the approved list for a new total of seventy-five (75) projects. On October 2, 2014 the Regional Council approved funding for the remaining projects on the list.

REPORT

SCAG staff is providing monthly updates to the Board regarding implementation of the seventy-five (75) grants. At the time this report was distributed, seventy (70) grant projects have had Scopes of Work developed and finalized, sixty-nine (69) grant projects have had Request for Proposals (RFPs) released, sixty-seven (67) grant projects have selected consultants, and fifty-two (52) grant projects have had contracts executed (this includes contracts resulting from Memoranda of Understanding between SCAG and the following Cities and funding contributions: West Covina - \$200,000; Indio - \$175,000; Westminster - \$200,000; and Fountain Valley - \$200,000. These funding contributions are consistent with the Sustainability Grant amount the Regional Council previously authorized).

FISCAL IMPACT:

Funding is included in SCAG's FY 2014-15 Overall Work Program (OWP) Budget. Staff's work budget for the current fiscal year are included in FY 2014-15 OWP 065.SCG02663.02.

ATTACHMENT:

Summary Progress Chart

SCAG Sustainability Planning Grants

June 18, 2015

Regional Council Progress Update

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
Phase 1 (Available funds FY 13-14)							
1	San Bernardino County	Bloomington Area Valley Blvd. Specific Plan Health and Wellness Element - Public health; Active transportation; Livability; Open space	x	x	x	x	x
2	Los Angeles - Department of City Planning	Van Nuys & Boyle Heights Modified Parking Requirements - Economic development; TOD; Livability	x	x	x	x	x
3	Los Angeles - Department of City Planning	Bicycle Plan Performance Evaluation - Active transportation; performance measures	x	x	x	x	x
4	Western Riverside Council of Governments	Public Health: Implementing the Sustainability Framework - Public health; Multi-jurisdiction coordination; Sustainability	x	x	x	x	x
5	Santa Ana	Complete Streets Plan - Complete streets; Active transportation; Livability	x	x	x	x	x
6	San Bernardino Associated Governments	Climate Action Plan Implementation Tools - GHG reduction; Multi-jurisdiction coordination; Implementation	x	x	x	x	x
7	Riverside	Restorative Growthprint Riverside - GHG reduction; Infrastructure investment; Economic development	x	x	x	x	x
8	Orange County Parks	Orange County Bicycle Loop - Active transportation; Multi-jurisdictional; Public health	x	x	x	x	x
9	Ventura County	Connecting Newbury Park - Multi-Use Pathway Plan - Active transportation; Public health; Adaptive re-use	x	x	x	x	x
10	Imperial County Transportation Commission	Safe Routes to School Plan - Multi-modal; Active transportation	x	x	x	x	x
11	Yucaipa	College Village/Greater Dunlap Neighborhood Sustainable Community - Complete Streets; TOD	x	x	x	x	x

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
12	Las Virgenes-Malibu Council of Governments	Multi-Jurisdictional Regional Bicycle Master Plan - Active transportation; Public health; Adaptive re-use	x	x	x	x	x
13	Eastvale	Bicycle & Pedestrian Master Plan - Active Transportation	x	x	x	x	x
14	West Covina	Downtown Central Business District - Multi-modal; Active transportation	x	x	x	x	x
15	Placentia	General Plan/Sustainability Element & Development Code Assistance - General Plan Update; Sustainability Plan	x	x	x	x	x
16	Paramount/Bellflower	Regional Bicycle Connectivity - West Santa Ana Branch Corridor - Active transportation; multi-jurisdiction	x	x	x	x	x
17	Costa Mesa	Implementation Plan for Multi-Purpose Trails - Active Transportation	x	x	x	x	x
Phase 2 (Available funds)							
18	Fullerton	East Wilshire Avenue Bicycle Boulevard - Active transportation; Livability; Demonstration project	x	x	x	x	x
19	Beaumont	Climate Action Plan - GHG reduction	x	x	x	x	x
20	Palm Springs	Sustainability Master Plan Update - Leverages larger effort; commitment to implement	x	x	x	x	x
21	Big Bear Lake	Rathbun Corridor Sustainability Plan - Multi-modal; Economic development; Open space	x	x	x	x	x
22	Western Riverside Council of Governments	Land Use, Transportation, and Water Quality Planning Framework - Integrated planning, Sustainability	x	x	x	x	x
23	Anaheim	Bicycle Master Plan Update - Active transportation	x	x	x	x	x
24	Ontario	Ontario Airport Metro Center - Multi-modal; Visualization; Integrated planning	N/A				
25	Coachella Valley Association of Governments	CV Link Health Impact Assessment - Active transportation; Public health; Multi-jurisdiction	x	x	x	x	x

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
26	San Bernardino Associated Governments	San Bernardino Countywide Complete Streets Strategy - Multi-modal; Livability; Multi-jurisdiction	x	x	x	x	x
27	Chino Hills	Climate Action Plan and Implementation Strategy - GHG reduction; Implementation; Sustainability	x	x	x	x	x
28	Coachella	La Plaza East Urban Development Plan - Mixed-use, TOD, Infill	x	x	x	x	x
29	South Bay Bicycle Coalition/Hermosa, Manhattan, Redondo	Bicycle Mini-Corral Plan - Active transportation; implementable; good value	x	x	x	x	x
30	Hawthorne	Crenshaw Station Area Active Transportation Plan and Overlay Zone - Multi-modal; Active transportation; GHG reduction	x	x	x	x	x
31	Chino	Bicycle & Pedestrian Master Plan - Multi-modal; Active transportation	x	x	x	x	x
32	Stanton	Green Planning Academy - Innovative; Sustainability; Education & outreach	x	x	x	x	x
33	Hermosa Beach	Carbon Neutral Plan - GHG reduction; Sustainability	x	x	x	x	x
34	Palm Springs	Urban Forestry Initiative - Sustainability; Unique; Resource protection	x	x	x	x	x
35	Orange County	"From Orange to Green" - County of Orange Zoning Code Update - Sustainability; implementation	x	x	x	x	x
36	Calimesa	Wildwood and Calimesa Creek Trail Master Plan Study - Active transportation; Resource protection	x	x	x	x	x
37	Western Riverside Council of Governments	Climate Action Plan Implementation - GHG Reduction; Multi-jurisdiction; implementation	x	x	x	x	x
38	Lynwood	Safe and Healthy Community Element - Public health & safety, General Plan update	x	x	x	x	x

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
39	Palmdale	Avenue Q Feasibility Study - Mixed-use; Integrated planning	x	x	x	x	x
40	Long Beach	Willow Springs Wetland Habitat Creation Plan - Open Space; Resource protection	x	x	x	x	x
41	Indio	General Plan Sustainability and Mobility Elements - Sustainability; Multi-modal, General Plan update	x	x	x	x	x
42	Glendale	Space 134 - Open space/Freeway cap; Multi-modal	x	x	x	x	x
43	Rancho Palos Verdes/City of Los Angeles	Western Avenue Corridor Design Implementation Guidelines - Urban Infill; Mixed-use; Multi-modal	x	x	x	x	x
44	Moreno Valley	Nason Street Corridor Plan - Multi-modal; Economic development	x	x	x	x	x
Phase 3 (Pending additional funds)							
45	Park 101/City of Los Angeles	Park 101 District - Open space/Freeway cap; Multi-modal	x	x	x	x	
46	Los Angeles/San Fernando	Northeast San Fernando Valley Sustainability & Prosperity Strategy - Multi-jurisdiction; Economic development; Sustainability	x	x	x	x	x
47	San Dimas	Downtown Specific Plan - Mixed use; Infill	x	x	x	x	
48	Los Angeles - Department of City Planning	CEQA Streamlining: Implementing the SCS Through New Incentives - CEQA streamlining	x	x	x	x	
49	Pico Rivera	Kruse Road Open Space Study - Open space; Active transportation	x	x	x	x	x
50	South Bay Cities Council of Governments	Neighborhood-Oriented Development Graphics - public outreach	x	x	x	x	x
51	San Bernardino Associated Governments	Safe Routes to School Inventory - Active transportation; Public health	x	x	x	x	x
52	Burbank	Mixed-Use Development Standards - Mixed use; Urban infill	x	x	x	x	

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
53	San Bernardino Associated Governments	Countywide Habitat Preservation/Conservation Framework - Open Space; Active Transportation	N/A				
54	Rancho Cucamonga	Healthy RC Sustainability Action Plan - Public health; implementation	x	x	x	x	
55	Pasadena	Form-Based Street Design Guidelines - Complete Streets; Multi-modal; Livability	x	x	x	x	
56	South Gate	Gateway District/Eco Rapid Transit Station Specific Plan - Land Use Design; Mixed Use; Active Transportation	x	x	x		
57	Lancaster	Complete Streets Master Plan - Complete Streets Plan	x	x	x	x	
58	Rancho Cucamonga	Feasibility Study for Relocation of Metrolink Station - Transit Access	x	x	x	x	
59	Santa Clarita	Soledad Canyon Road Corridor Plan - Land Use Design; Mixed Use Plan	N/A				
60	Seal Beach	Climate Action Plan - Climate Action Plan	x	x	x	x	
61	La Mirada	Industrial Area Specific Plan - Land Use Design	N/A				
62	Hemet	Downtown Hemet Specific Plan - Land Use Design; Mixed Use Plan	x	x	x	x	
63	Hollywood Central Park/City of Los Angeles	Hollywood Central Park EIR - Open Space/Freeway Cap; Multi-modal	x	x	x		
64	Desert Hot Springs	Bicycle/Pedestrian Beltway Planning Project - Active Transportation	N/A				
65	Cathedral City	General Plan Update - Sustainability - General Plan Update; Sustainability Plan	x	x	x	x	x
66	Westminster	General Plan Update - Circulation Element - General Plan Update; Complete Streets	x	x	x	x	x
67	La Canada Flintridge	Climate Action Plan - Climate Action Plan	x	x	x	x	
68	Huntington Beach	Neighborhood Electric Vehicle Plan - Electric Vehicle	x	x	x	x	
69	Pasadena	Green House Gas (GHG) Emission Reduction Evaluation Protocol - Climate Action Plan	x	x	x	x	x

Rank	Applicant	Project	Working /				
			Last Contact	Scope	RFP	Selection	Contract
70	San Bernardino Associated Governments	Countywide Bicycle Route Mobile Application - Active Transportation	x	x	x	x	
71	Dana Point	General Plan Update - General Plan Update	x				
72	Garden Grove	RE:IMAGINE Downtown - Pedals & Feet - Active Transportation; Infill	x	x	x	x	
73	Barstow	Housing Element and Specific Plan Update - Housing; Land Use Design	x	x	x	x	
74	Bell	General Plan Update - General Plan Update	x	x	x	x	x
75	Fountain Valley	Euclid/I-405 Overlay Zone - Mixed use; Urban infill	x	x	x	x	x

DATE: July 2, 2015

TO: Community, Economic and Human Development (CEHD) Committee

FROM: Kimberly S. Clark, Senior Regional Planner; 213-236-1844; clark@scag.ca.gov

SUBJECT: SCAG Planning Studio - Environmental Justice and Geographic Information Systems (GIS) Application

EXECUTIVE DIRECTOR'S APPROVAL: 

RECOMMENDED ACTION:

For Information Only – No Action Required.

EXECUTIVE SUMMARY:

Dr. Do Kim, Associate Professor and Graduate Coordinator of the Department of Urban and Regional Planning and students from Cal Poly Pomona Department of Urban and Regional Planning will present research results on SCAG planning studio - environmental justice and GIS application.

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 b: Develop, maintain and enhance data and information to support planning and decision making in a timely and effective manner.

BACKGROUND:

SCAG and Cal Poly Pomona Department of Urban and Regional Planning jointly developed and completed a two-quarter (Winter/Spring 2015) SCAG planning studio - Environmental Justice (EJ) and GIS application through SCAG's University Partnership Program. The SCAG planning studio class is designed to conduct advanced research on EJ related topics through an empirical analysis in the class environment. The research results and dataset would be included in EJ analysis as part of the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS).

SCAG planning studio's EJ research included, not limited to: (1) the identification of the communities with EJ issues in Los Angeles County using a wide range of indicators with spatial analysis of the positive and negative impacts of transportation on the communities; (2) analysis on how the project can further benefit SCAG or its member cities in EJ related topics; (3) review of a variety of Environmental Justice theories; (4) identification of communities with EJ issues using Census Tract in Los Angeles County; (5) analysis of the relationship between Environmental Justice and transportation employing advanced GIS analysis; and (6) quantification of both negative and positive impacts of the transportation system on EJ.

FISCAL IMPACT:

Work associated with this item was included in the FY 2014-15 and 2015-16 Budgets under 055.SCG00133.05

ATTACHMENT:

PowerPoint Presentation: Environmental Justice (EJ) Analysis Using Advanced GIS Applications

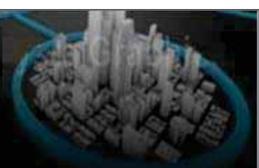
A 3D rendering of a city skyline with several circular blue highlights around different clusters of buildings, set against a dark background.

Environmental Justice (EJ) Analysis Using Advanced GIS Applications

SCAG Studio

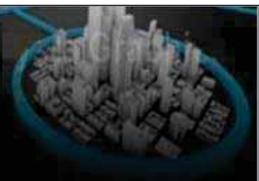
Department of Urban and Regional Planning

Cal Poly Pomona

A smaller version of the 3D city model seen in the top section, located in the upper right corner of the slide.

INTRODUCTION

Goals of The Studio



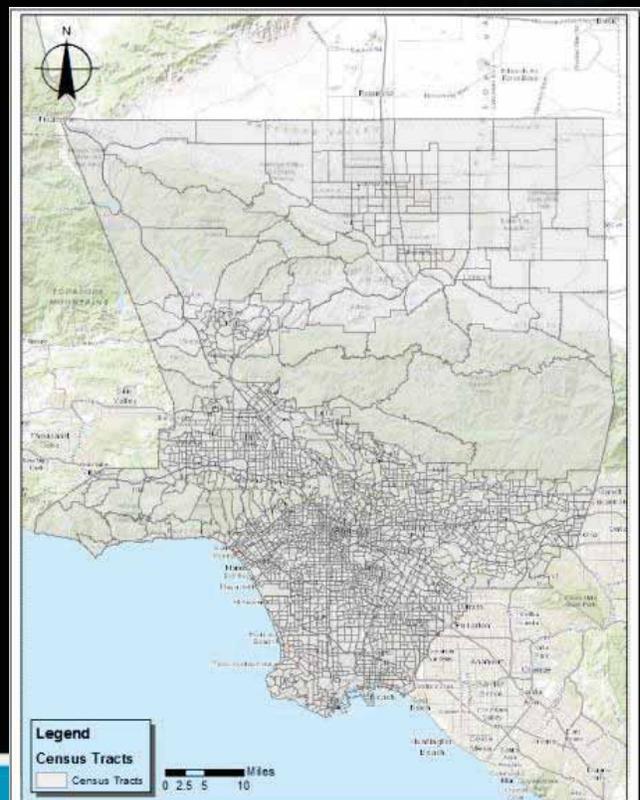
- Identification of areas with Environmental Justice (EJ) concerns
 - Focusing on air quality
 - Spatial analysis
- Analysis on contributing factors to the EJ areas
 - Physical and socio-demographical factors
 - Spatial & statistical analysis

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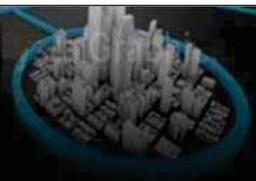
Project Context



- Project area = Los Angeles County
- Unit of analysis = Census Tract



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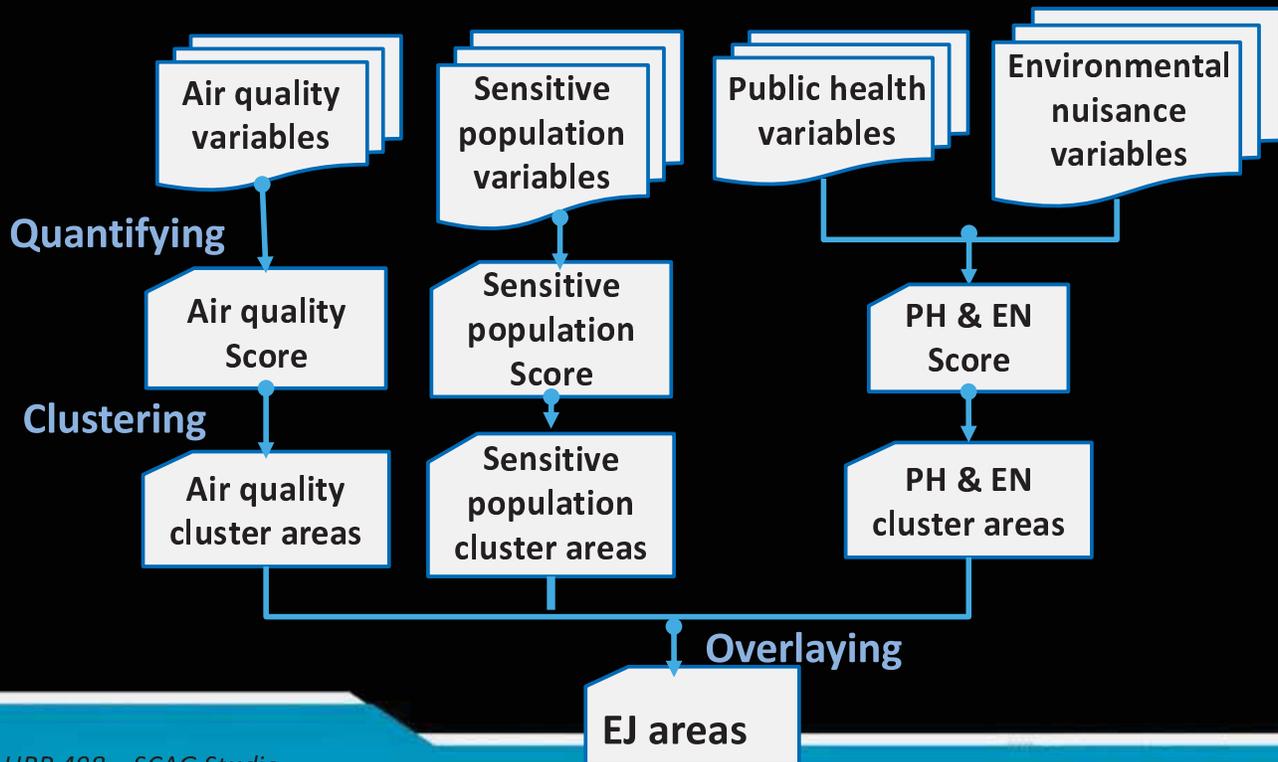
IDENTIFYING EJ AREAS

Identification of EJ Areas



- Quantifying and aggregating 4 aspects of EJ by Census Tract
 - Air quality
 - Sensitive population
 - Public health
 - Environmental nuisance
- Identifying the areas with the concentration of high score by conducting spatial cluster analysis (Getis-Ord G_i^*)

Identification Process



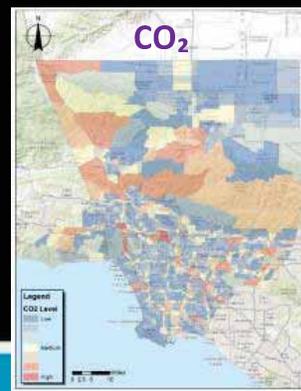
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Air Quality Score

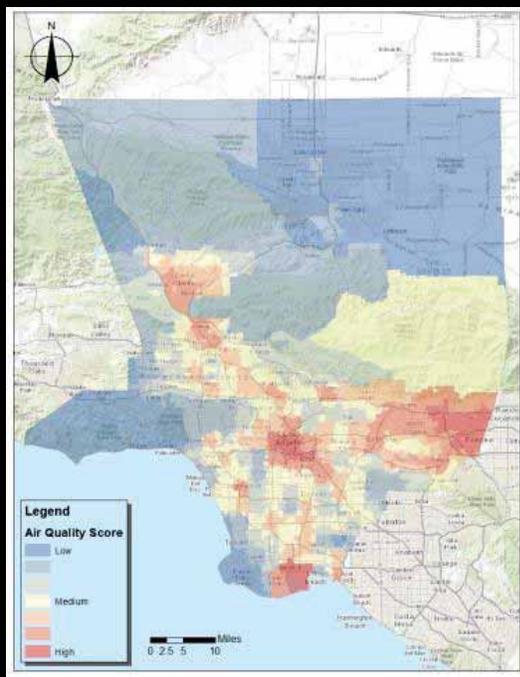
- 6 Variables within the Air Quality Score
 - Particulate Matter 2.5 (PM 2.5)
 - Diesel Particulate Matter (DPM)
 - Ozone
 - CO₁
 - CO₂
 - Nitrogen
- Source of Data
 - CalEnviroScreen (PM 2.5, DPM, & Ozone)
 - SCAG (PM 2.5 , CO₁ , CO₂ , & Nitrogen)

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Air Quality Variables



Spatial Cluster Analysis

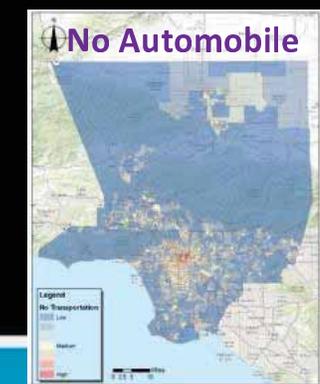
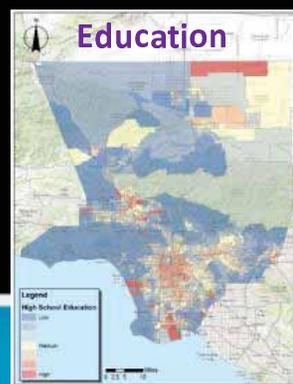
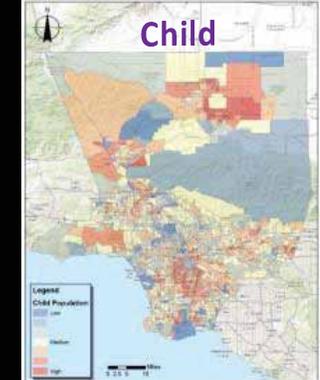
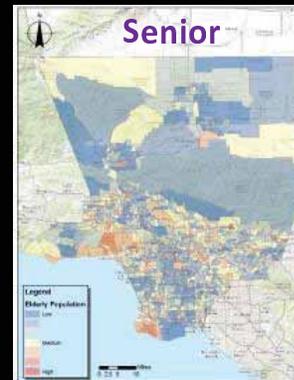
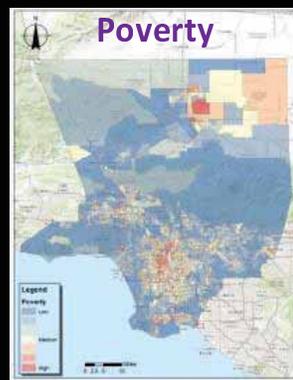
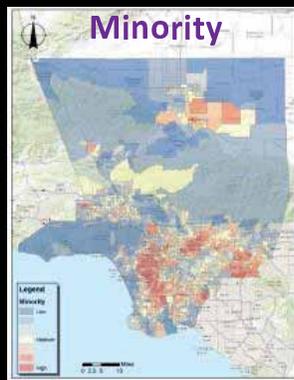


Sensitive Population Score

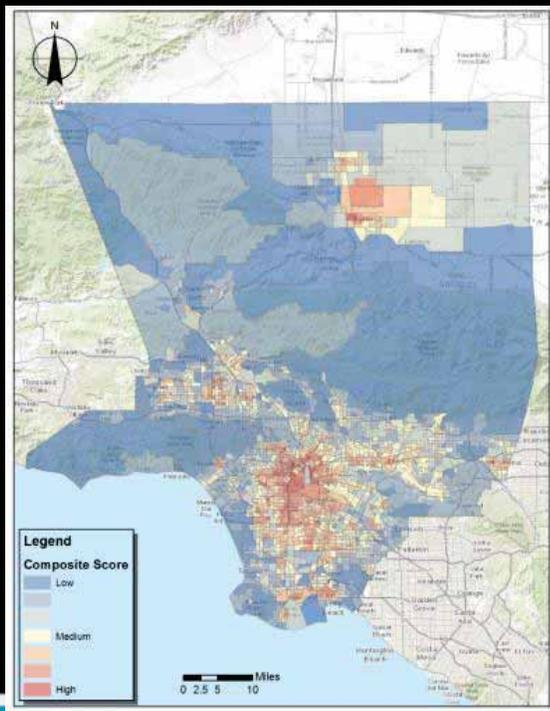
- Variables
 - Minority Population
 - Persons below Poverty
 - Senior Population
 - Child Population
 - Renters
 - Educational Attainment
 - Unemployed Population
 - Population without an Automobile
- Source of Data
 - U.S. Census (2013 ACS 5-yr. Est.)

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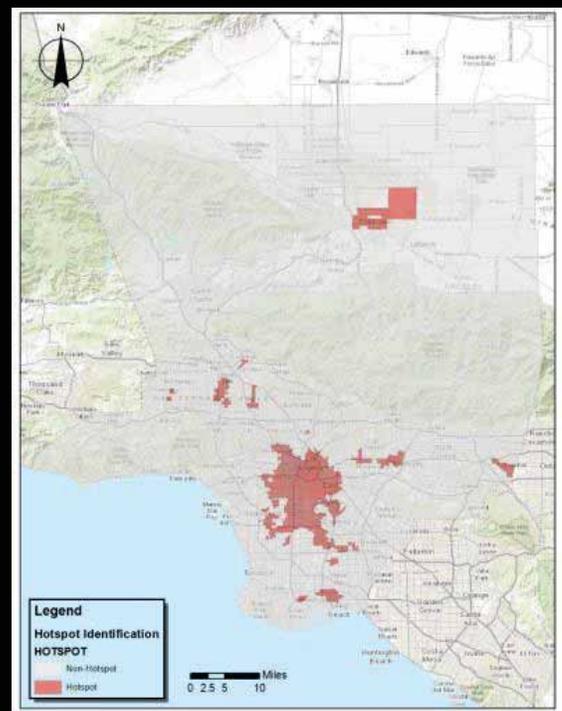
Sensitive Population Variables



Spatial Cluster Analysis



Significant level of 0.1



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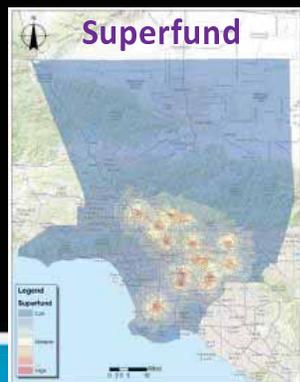
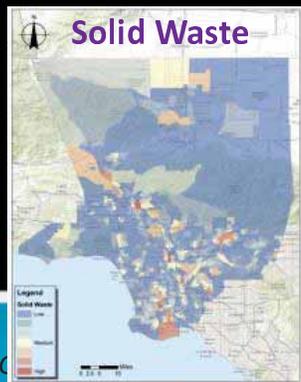
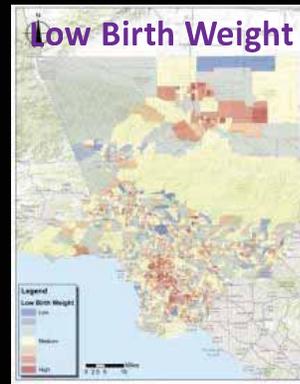
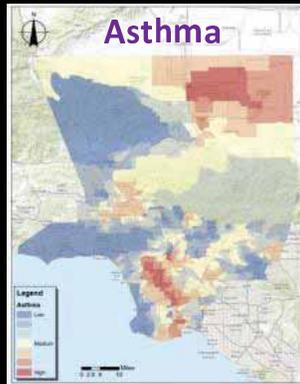
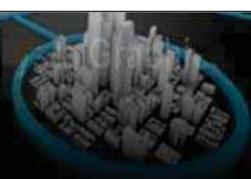
Identified Tracts = 566 out of 2,343

Public Health and Environmental Nuisance

- Variables for Public Health (PH)
 - Low Birth Weight
 - Asthma-related Emergency Visits
 - Women, Infant, and Children (WIC) Vendors
- Variables for Environmental Nuisance (EN)
 - Solid Waste Facilities
 - Superfund Sites
 - Clean-Up Sites
- Source of data
 - CalEnviroScreen 2.0
 - California Department of Public Health (CDPH)

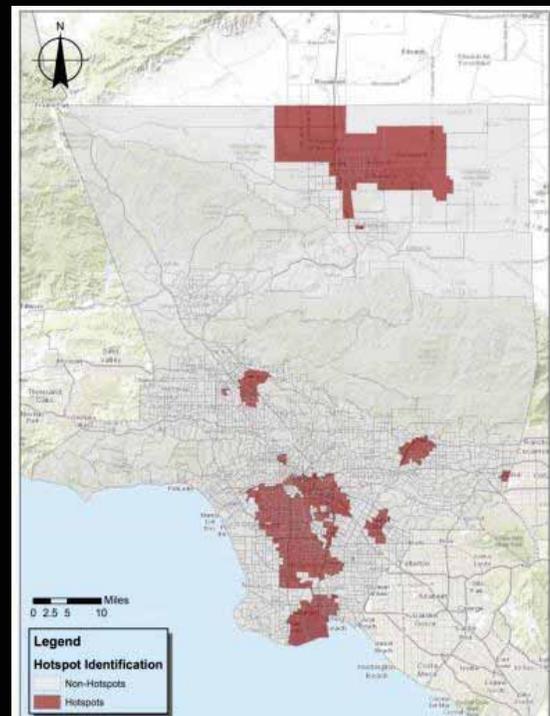
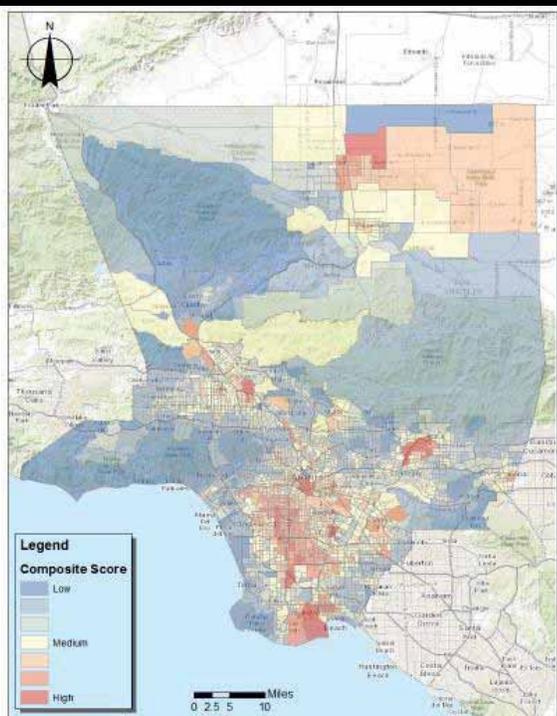
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PH & EN Variables



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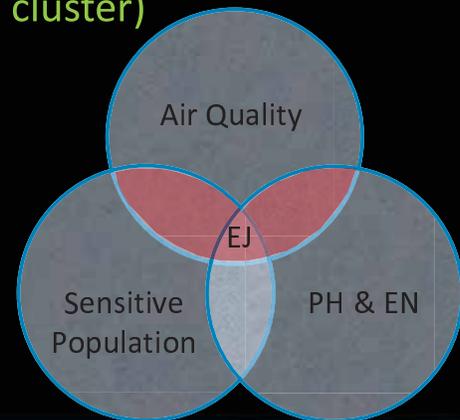
Spatial Cluster Analysis



Significant level of 0.1

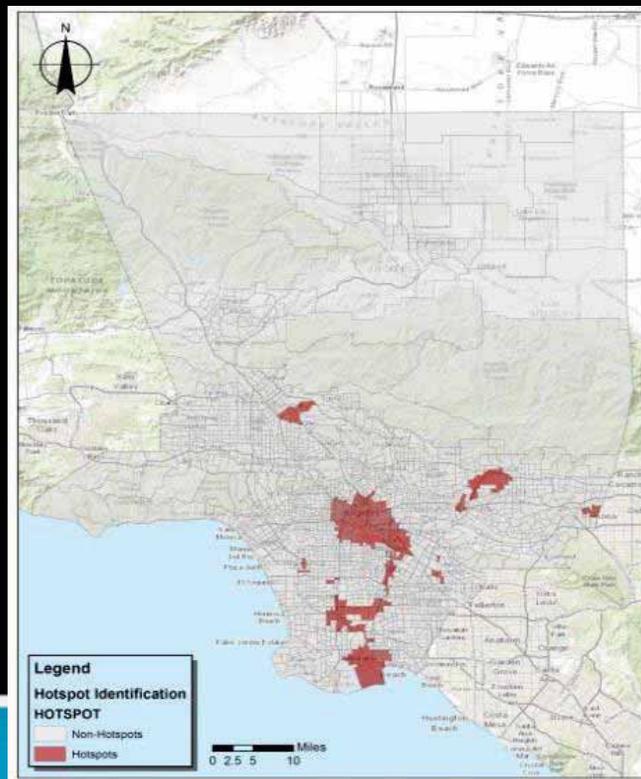
Identification of EJ Areas

- 256 Census Tracts identified as EJ areas =
 - 123 Census Tracts
(Air Quality, Sensitive Population, and PH & EN cluster)
 - + 87 Census Tracts
(Air Quality and Sensitive Population cluster)
 - + 46 Census Tracts
(Air Quality and PH & EN cluster)



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Map of EJ Areas



256 Census Tracts
out of 2,343

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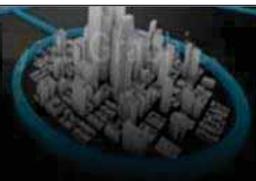


CONTRIBUTING FACTORS TO EJ COMMUNITIES



Analysis of Contributing Factors

- Analysis of factors that potentially associate with EJ areas in 4 general areas
 - Transportation
 - Land Use
 - Gentrification
 - Public health
- Quantifying a variety of variables by Census Tract using GIS analysis
- Identifying the potential contributing factors by conducting statistical analysis



TRANSPORTATION FACTORS

Analysis of Transportation Factors



- Variables analyzed
 - Intersection density
 - TOD stations (Y/N)
 - Transit stations (Y/N)
 - Freight rail distance
 - Bus stop density
 - Bicycle route density
 - Bicycle collision density
 - Roadway lane mile
 - Highway land mile
 - Average automobile speed
- Data sources
 - SCAG
 - LA Metro
 - NTAD

Point Density Analysis

- Point features are counted and normalized by acreages of Census Tracts



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Buffer Analysis

- Identifying Census Tracts within 0.5 miles from stations



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Weighted Distance Analysis

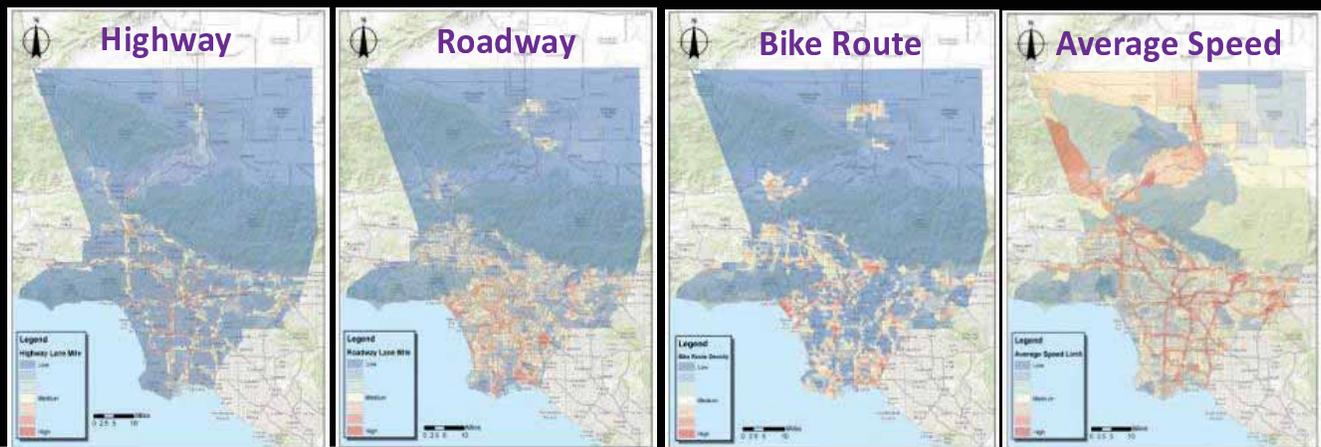
- Measuring distance from linear features and weighting the distance by the length of the linear features



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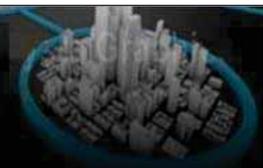
Linear Density Analysis

- Values of linear features are computed and normalized by acreages of Census Tracts



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Regression Outputs



Methods	OLS			Logit		
	Coef.	S.E.	VIF	Coef.	S.E.	Exp(B)
Intercept	**1.863	0.258		-5.840	1.257	0.003
TOD (Y=1, N =0)	-0.037	0.023	1.266	0.369	0.403	1.446
Transit (Y=1, N =0)	***0.095	0.012	1.183	***-1.054	0.180	0.348
Freight Rail	***-0.000	0.000	1.121	***-0.001	0.000	1.000
Bus Stop	***0.000	0.000	1.831	***0.002	0.000	1.002
Bike Route	***-0.012	0.002	1.128	-0.056	0.045	0.946
Bike Crash	***0.515	0.041	1.774	***3.908	0.718	49.822
Highway	***1.623	0.330	3.927	-5.129	6.451	0.006
Roadway	***0.525	0.157	1.372	-2.657	3.800	0.070
Speed Limit	0.001	0.001	4.149	***0.096	0.032	1.100
	Adjusted R ²		0.398	Cox & Snell R ²		0.398

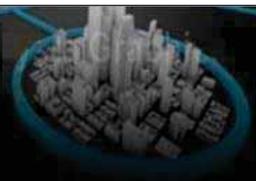
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*, **, *** Correlations are significant at the 0.10, 0.05, and 0.01 levels, respectively (2-tailed)

Summary of Findings



- Logistic regression shows notable differences between bus stops and rail stops.
- OLS regression shows the relationship between lack of bicycle safety and low income neighborhoods.
- TOD's have no relationship with EJ areas.



LAND USE FACTORS

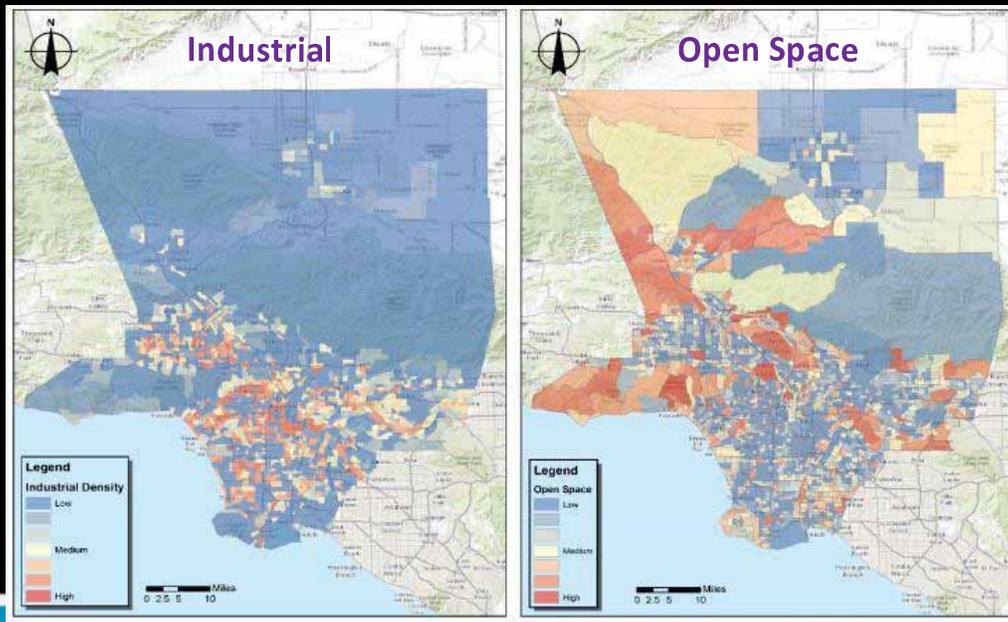
Analysis of Land Use Factors



- Variables analyzed
 - Industrial
 - Multi-family residential
 - Office
 - Open Space
 - Private open space
 - Retail
- Data sources
 - SCAG
 - LA County GIS Portal

Property Density Analysis

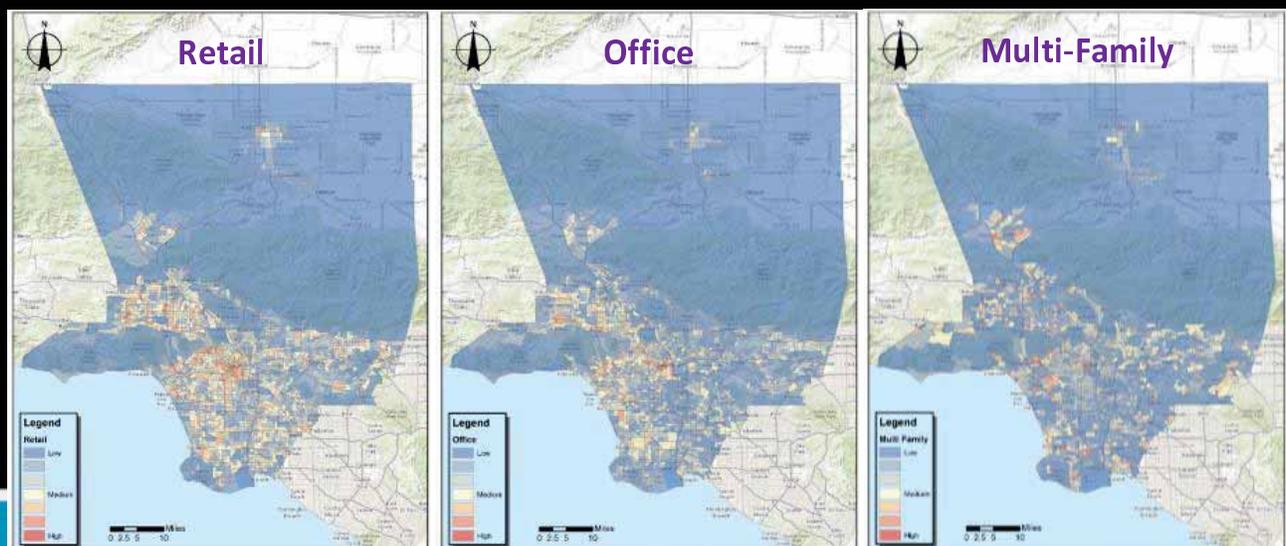
- Total property area / Census Tract area



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Building Density Analysis

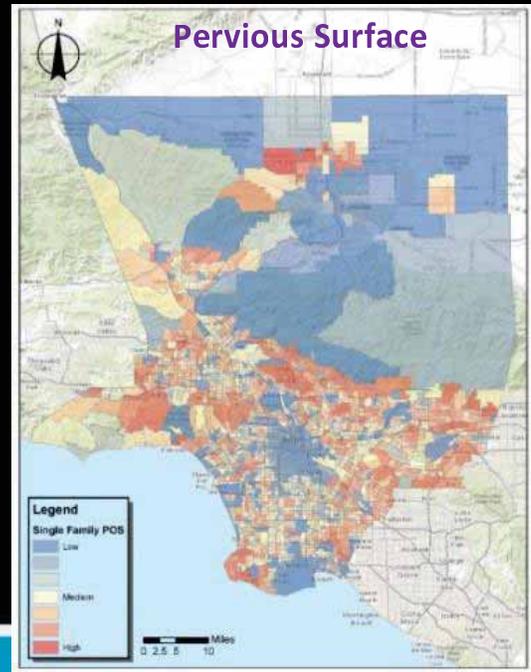
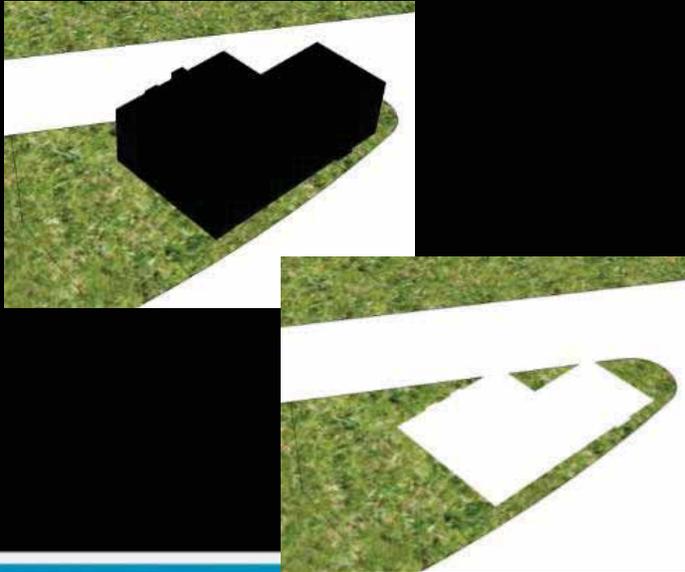
- Total Building area / Census Tract area
– Building area = No. of Story X Building footprint



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Pervious Surface Analysis

- Property area – building footprint



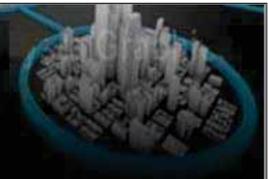
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Regression Outputs

Method	OLS			Logit		
	Coef.	S.E.	VIF	Coef.	S.E.	Exp(B)
Intercept	0.969	0.009		-0.819	0.121	0.441
Industrial	0.062	0.037	1.125	** -1.090	0.545	0.336
Multi-Family	*** -0.010	0.023	1.195	** -0.722	0.328	0.486
Office	*** -0.034	0.015	1.296	0.297	0.185	1.340
Open Space	*** -0.218	0.036	1.051	-0.798	0.654	0.450
Pervious Surface	*** -0.002	0.000	1.142	*** -0.040	0.003	0.961
Retail	*** 0.235	0.044	1.350	*** 1.763	0.491	5.828
	Adjusted R ²		0.259	Cox & Snell R ²		0.138

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Summary of Findings



- The relationship between EJ factors and Land-use analysis is not as transparent as anticipated.
 - Industrial land-use is not found to be significant.
 - Pervious surface and retail show consistent results among statistical models.

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PUBLIC HEALTH FACTORS



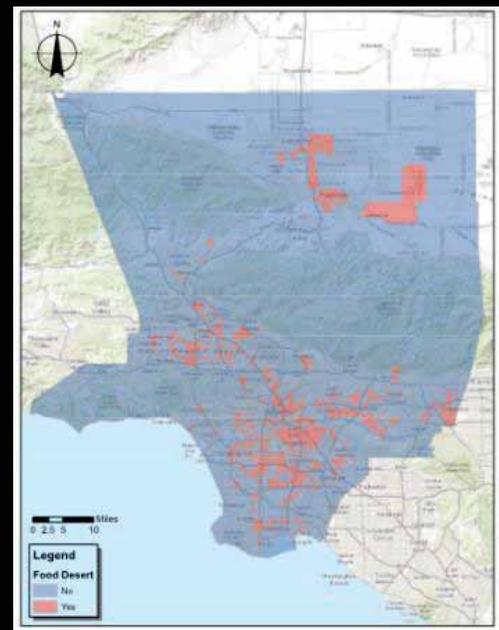
Analysis of Public Health Factors

- Variables analyzed
 - Food deserts (low access and low income)
 - Hospital accessibility (available beds)
 - Community health centers (locations)
 - Medically uninsured population (percent of POP)
- Data sources
 - USDA
 - LA County GIS Portal

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Food Deserts

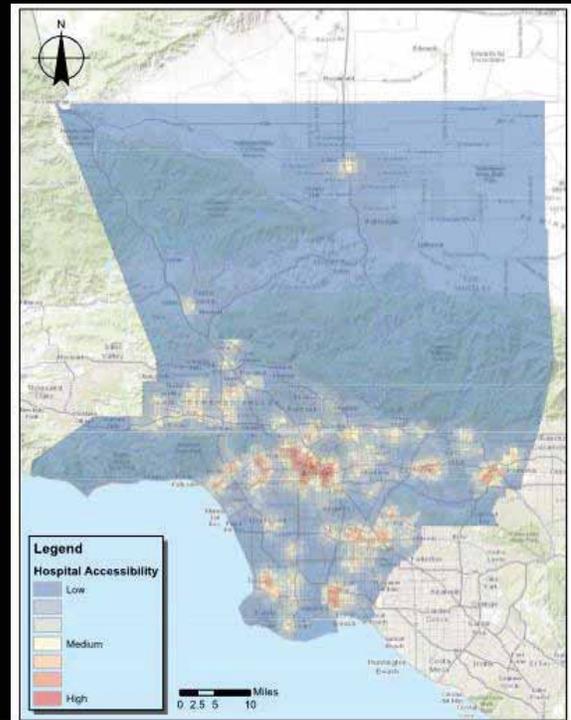
- Low Access and Low Income
 - Low access: 33 percent of tract pop living more than 1 mi. from grocery store
 - Low Income: poverty percent greater than 20%



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Hospital Accessibility

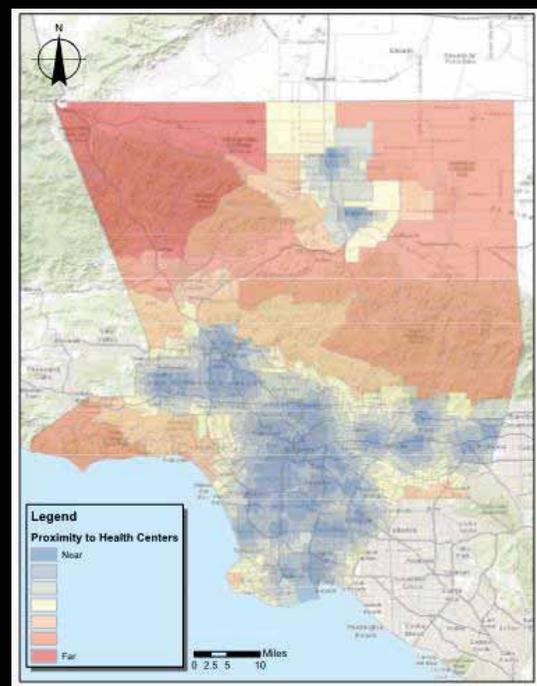
- Available hospital beds
 - Density map of number of hospital beds
 - Euclidean distance from hospitals



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Community Health Center

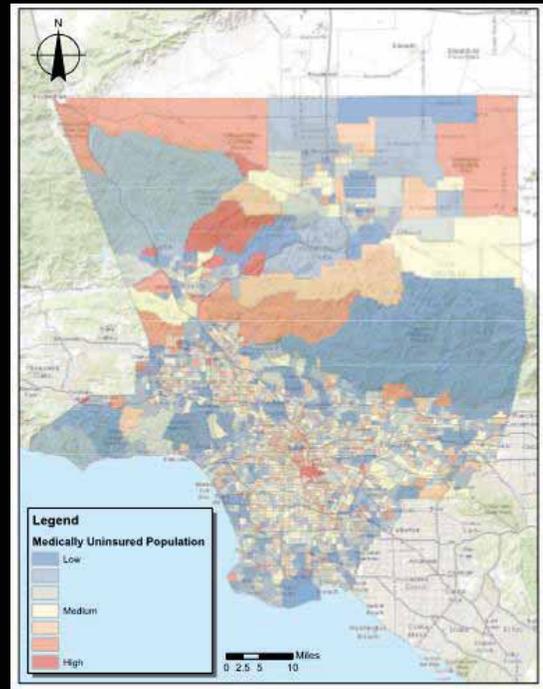
- Proximity to Community Health Centers
 - Distance from nearest community health center



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Medically Uninsured Population

- Population without medical insurance
 - Greatest concentration in downtown area



Regression Outputs

Methods	OLS			Logit		
	Coef.	S.E.	VIF	Coef.	S.E.	Exp(B)
Intercept	0.743	0.009		-2.123	0.270	0.120
Medically Uninsured	***0.004	0.000	1.320	***0.034	0.006	1.034
Hospital Accessibility	***0.006	0.001	1.062	***0.091	0.011	1.096
Proximity to Community Health Centers	***-0.033	0.001	1.106	***-0.943	0.270	0.120
Food Desert (Y=1, N=0)	***0.158	0.009	1.107	-0.133	0.166	0.876
	Adjusted R ²		0.398	Cox & Snell R ²		0.178

Summary of Findings



- The statistical analysis presents consistent results about the relationship between the EJ areas and public health factors.
- There are evidences showing that the EJ areas have sufficient medical services such as hospitals and community health centers.
- However, there is no clear evidence presented that the residents in the EJ areas have healthy food access.

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GENTRIFICATION FACTORS



Introduction



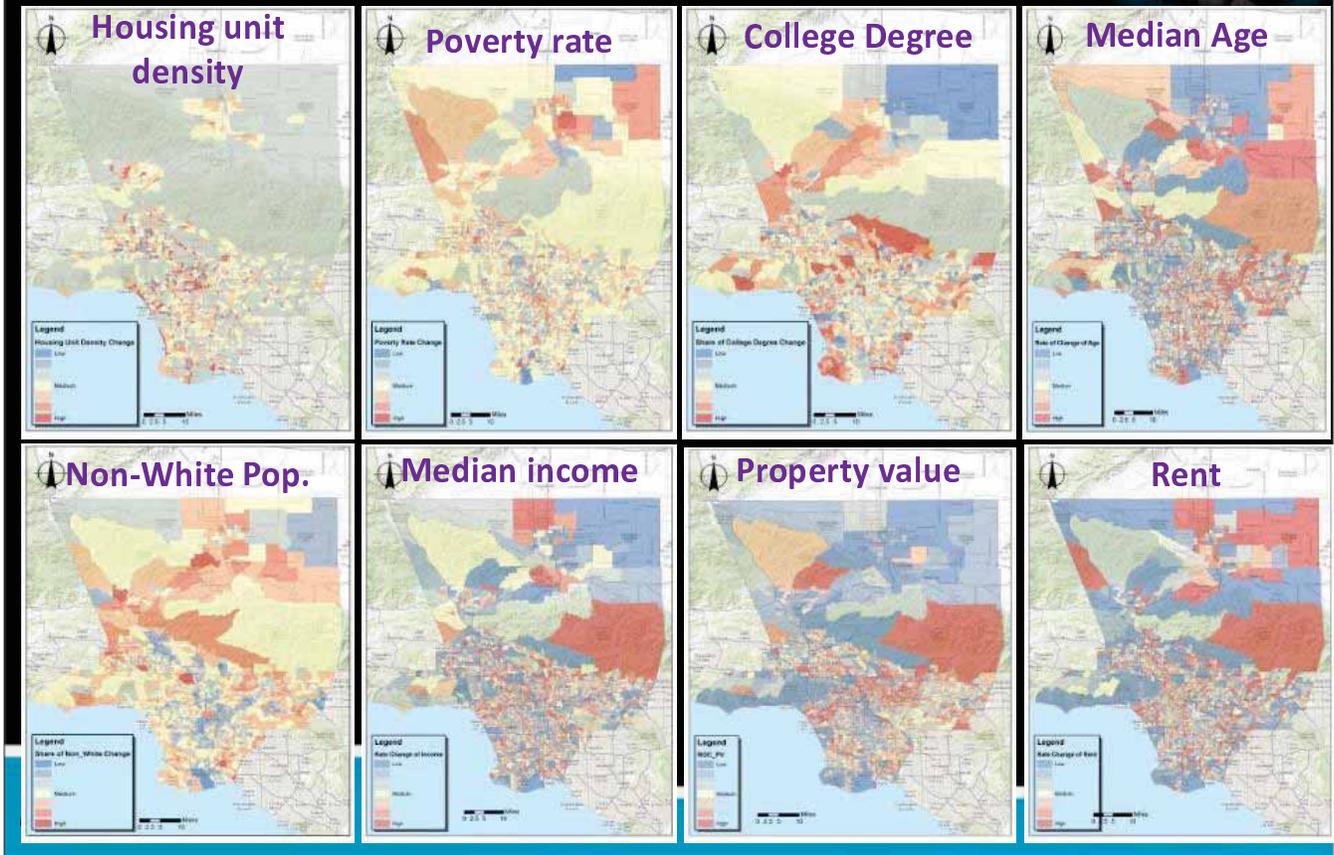
- Gentrification is controversial concepts in the relationship with environmental justice
 - Gentrification has placed populations in urban areas in direct competition for inner city space with relatively privileged groups
 - Environmental cleanup of these formerly industrialized, now residential, communities can be a powerfully displacing force

Identifying Gentrification



- Change or rate change for each variable between 2000 and 2013
- Variables
 - Housing unit density
 - Property value
 - Poverty rate
 - Rent cost
 - Median age
 - Education
 - Median income
 - Non-White population
- Data source
 - U.S. Census (2000 Census and 2013 ACS - 5 yr. Est.)

Output Maps



Regression Outputs

Methods	OLS			Logit				
	Variables	Coef.	S.E.	VIF	Coef.	S.E.	Exp(B)	
Constant		0.808	0.013		-3.170	0.247	0.042	
Housing Unit Density	***	0.030	0.009	1.050	**	0.278	0.116	1.321
Poverty Rate		-0.001	0.001	1.313		-0.007	0.012	0.993
Share of College Degree	***	-0.404	0.027	1.068	**	-0.976	0.454	0.377
Share of Non-White	***	-0.460	0.034	1.072	***	-2.467	0.512	0.085
Property Value	***	-0.016	0.006	1.186		0.148	0.158	1.160
Rent Cost	***	0.104	0.015	1.216	**	0.456	0.212	1.577
Median Age		0.001	0.002	1.084		0.035	0.025	1.036
Median Income	***	-0.075	0.021	1.554		0.484	0.321	1.623
		Adjusted R ²		0.214	Cox & Snell R ²		0.028	

Summary of Findings



- Overall, the effect of gentrification on EJ issues doesn't seem to be clear
- Housing unit density and share of college degree showed consistency with general observation
- The share of non-white population increased in the EJ area

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CONCLUSION & DISCUSSION



Conclusion & Discussion



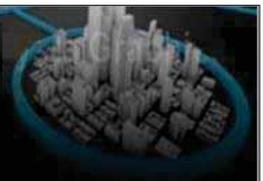
- The contribution of the transportation and public health factors to the EJ areas are identified, while the influence of the land use and gentrification on the EJ areas remains unanswered.
- Public transit, particularly bus, serves the EJ areas appropriately, but it may cause public health and safety concerns

Conclusion & Discussion



- The residents in the EJ areas do not have issues with accessing to medical services, but there is a social barrier such as medical insurance.
- The unclear relationship between land use and EJ may be caused by the spatial segregation between residential land use and non-residential land use.

Conclusion & Discussion



- The analysis is limited to investigate the details associated with longitudinal relationship between EJ and gentrification.
- Future studies should properly address issues with the conflict of data and the unit of analysis (Census Tract).

