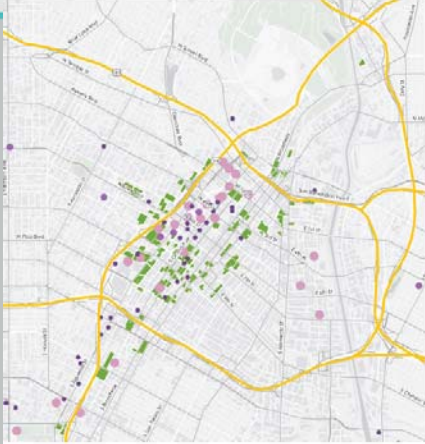


Southern California Plug-in Electric Vehicle Readiness Atlas: 2017 Update



UCLA Luskin School of Public Affairs

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INNOVATION FOR A BETTER TOMORROW

PEV Atlas Webinar

Topics:

- Introduction
- PEV Atlas
- Use Case
- Web Application
- Questions

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COALITION

PEV Atlas Webinar

UCLA

-DR. JR DeShazo,
Director, Luskin Center for Innovation



-Jason Karpman, Staff Researcher

SCAG

-Joe Cryer, Assistant Regional Planner



How can I use the Atlas?

- Siting decisions for public charging stations
- Targeted outreach to businesses and MUDs to participate in installation incentive programs
- Estimate additional electrical capacity needed to accommodate PEV charging demands

Which COGs are included?

PEV GROWTH SUMMARY

PEV Growth by Council of Government (COG)

COG	Through 2016	Through 2020	Through 2025
Arroyo Verdugo Subregion	3,431	9,606	21,688
City of Los Angeles	29,071	80,760	181,541
Coachella Valley Association of Governments	1,427	3,904	8,713
Gateway Cities Council of Governments	6,568	17,453	38,251
Imperial County Transportation Commission	61	163	360
Las Virgenes Malibu Council of Governments	2,230	5,966	13,131
North Los Angeles County	15,526	43,178	97,053
Orange County Council of Governments	30,749	82,732	182,670
San Bernardino Associated Governments	5,451	14,779	32,763
San Fernando Valley Council of Governments	17,607	49,442	111,711
San Gabriel Valley Council of Governments	11,694	32,744	73,884
South Bay Cities Council of Governments	7,833	19,927	42,610
Ventura County Council of Governments	5,155	13,664	29,946
Western Riverside Council of Governments	5,516	14,879	32,892
Westside Cities Council of Governments	4,668	12,614	27,940
Total*	117,685	319,627	709,556

*The rows do not add up to the totals due to overlapping boundaries among some COG regions.

Case Study: Gateway Cities COG

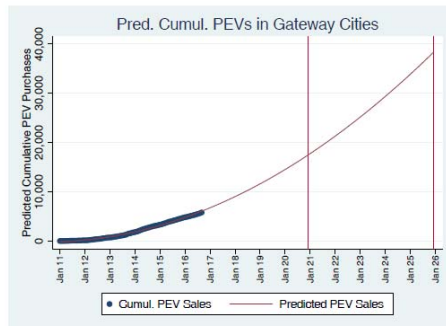


GATEWAY CITIES

COUNCIL OF GOVERNMENTS

Case Study: Gateway Cities COG

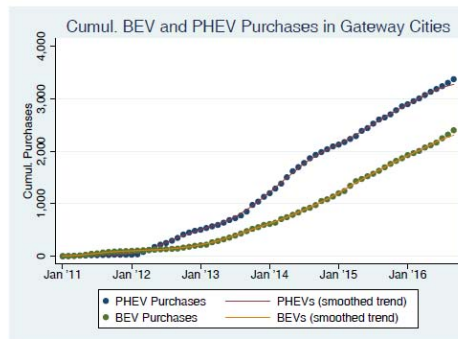
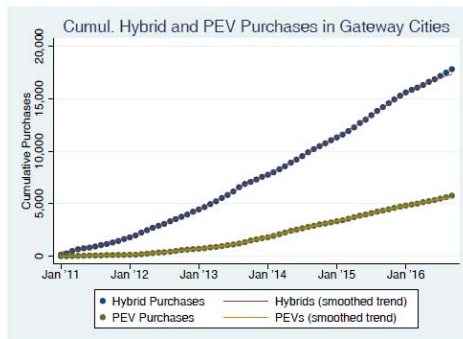
GATEWAY CITIES COUNCIL OF GOVERNMENTS Projected PEV Growth



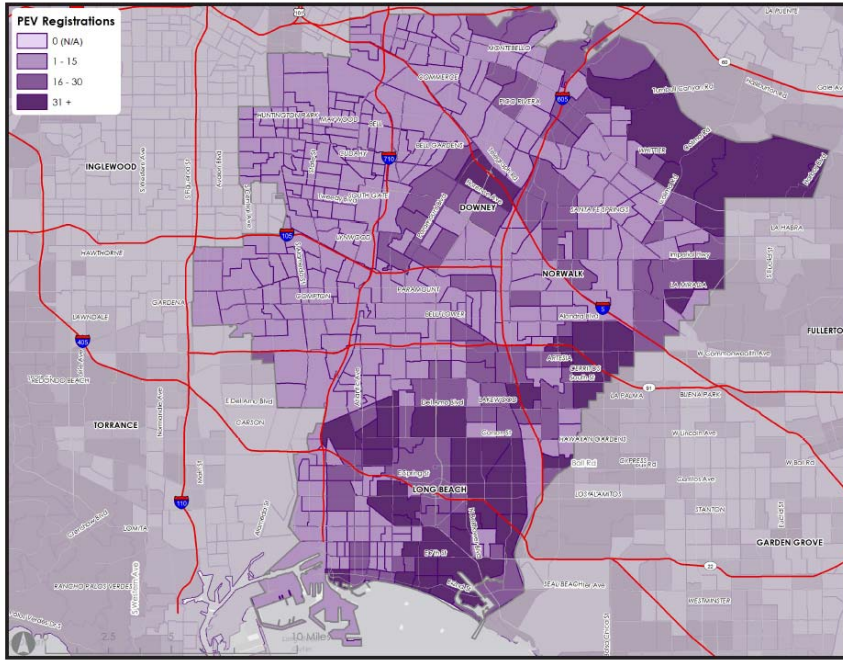
Year	Cumulative Predicted Sales
2016	6,568
2017	8,810
2018	11,371
2019	14,253
2020	17,453
2021	20,974
2022	24,813
2023	28,973
2024	33,452
2025	38,251

Case Study: Gateway Cities COG

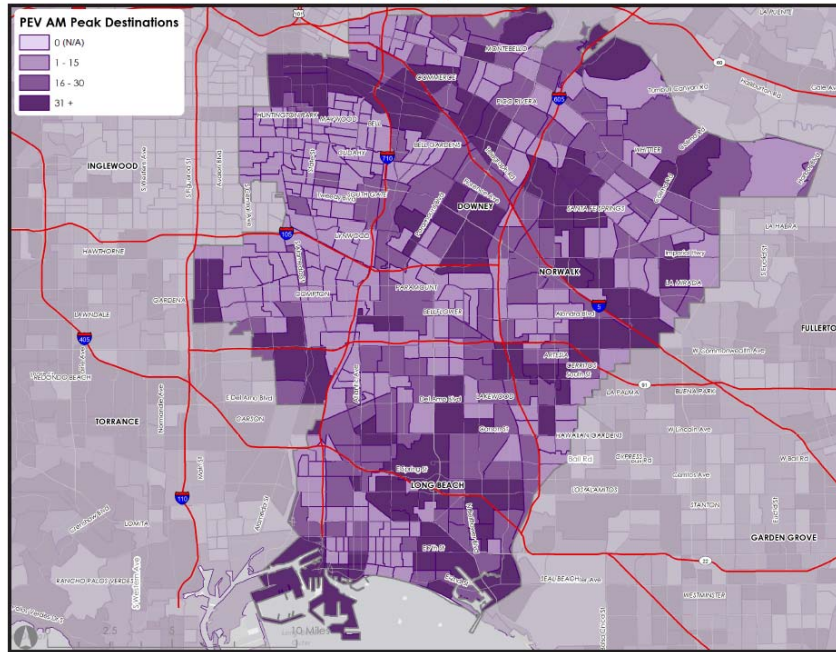
GATEWAY CITIES COUNCIL OF GOVERNMENTS Cumulative PEV Growth



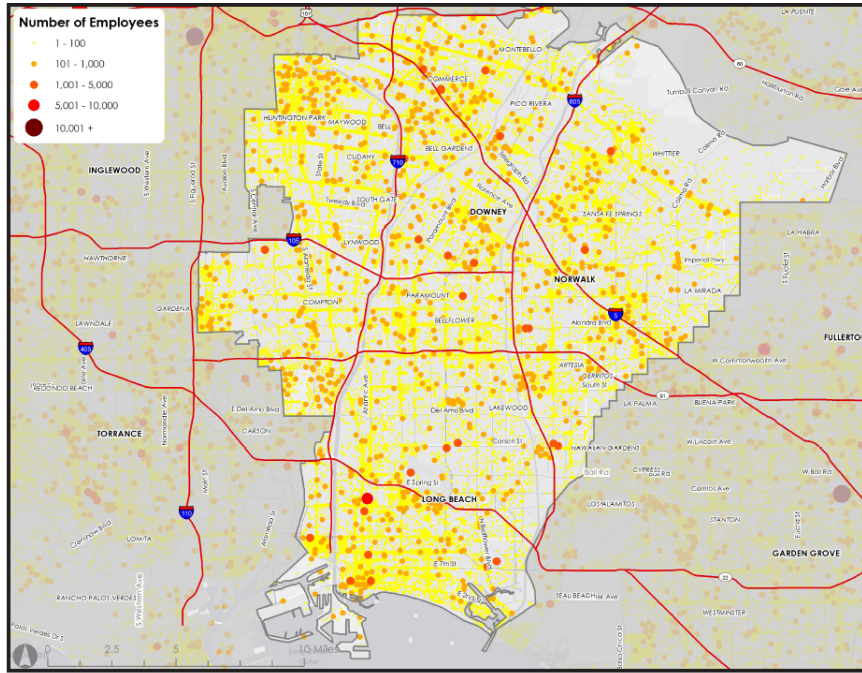
GATEWAY CITIES COUNCIL OF GOVERNMENTS
PEV Registrations



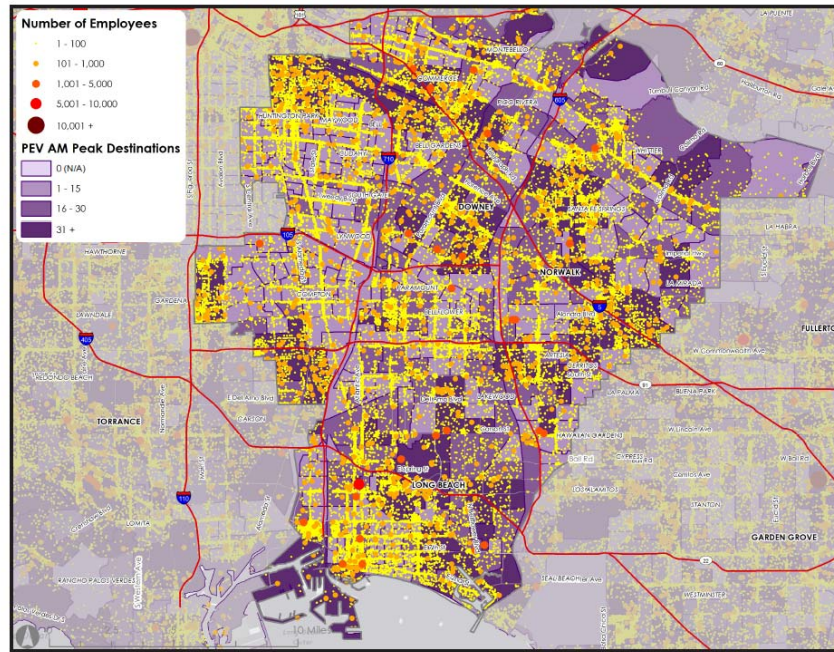
GATEWAY CITIES COUNCIL OF GOVERNMENTS
PEV Peak Morning Destinations



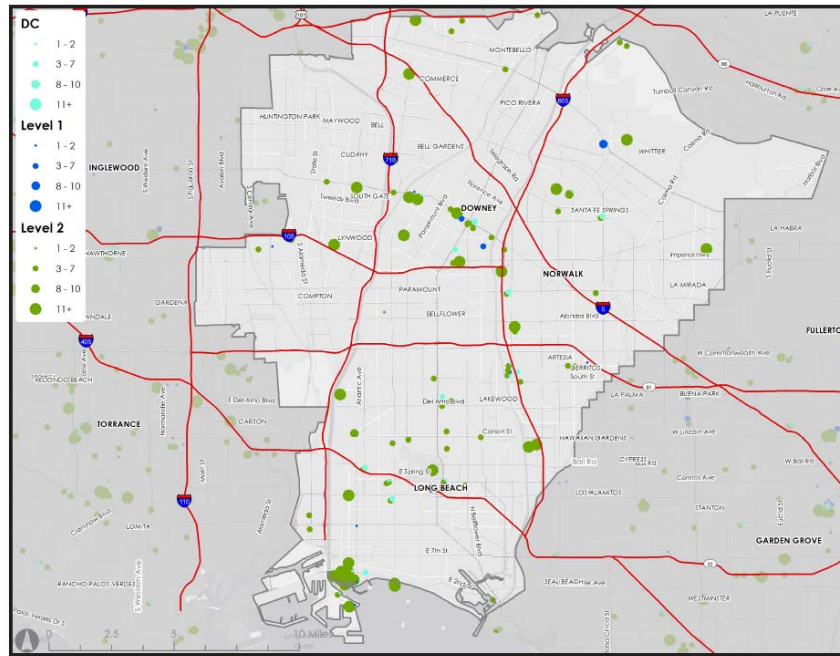
GATEWAY CITIES COUNCIL OF GOVERNMENTS
Workplaces by Number of Employees



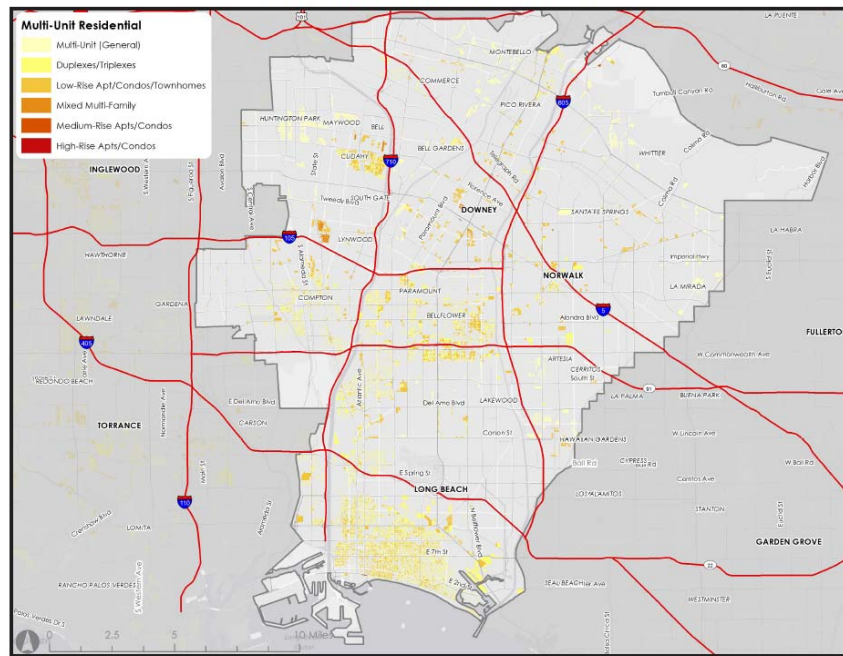
GATEWAY CITIES COUNCIL OF GOVERNMENTS
PEV Peak Morning Destinations and Workplaces



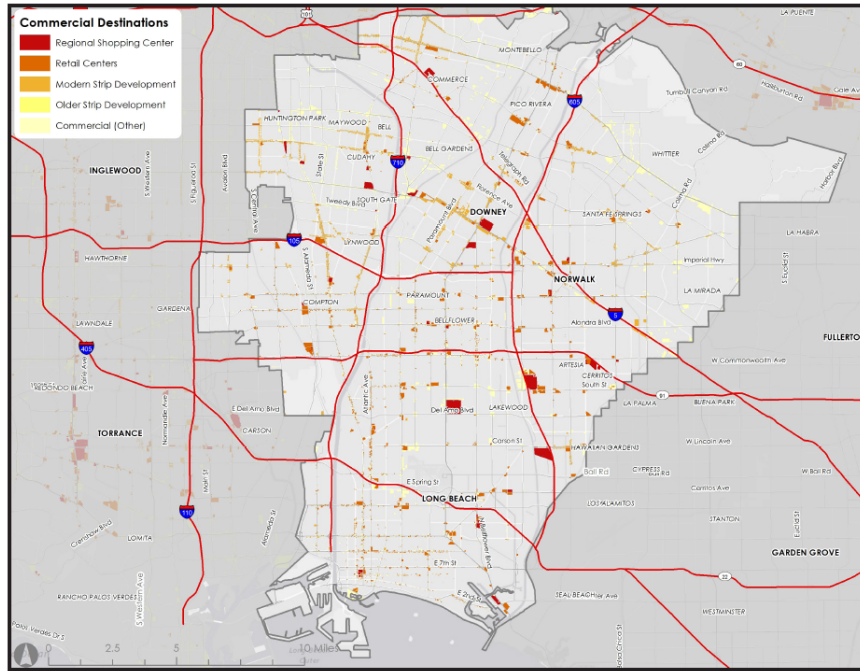
GATEWAY CITIES COUNCIL OF GOVERNMENTS Publicly Accessible Charging Stations



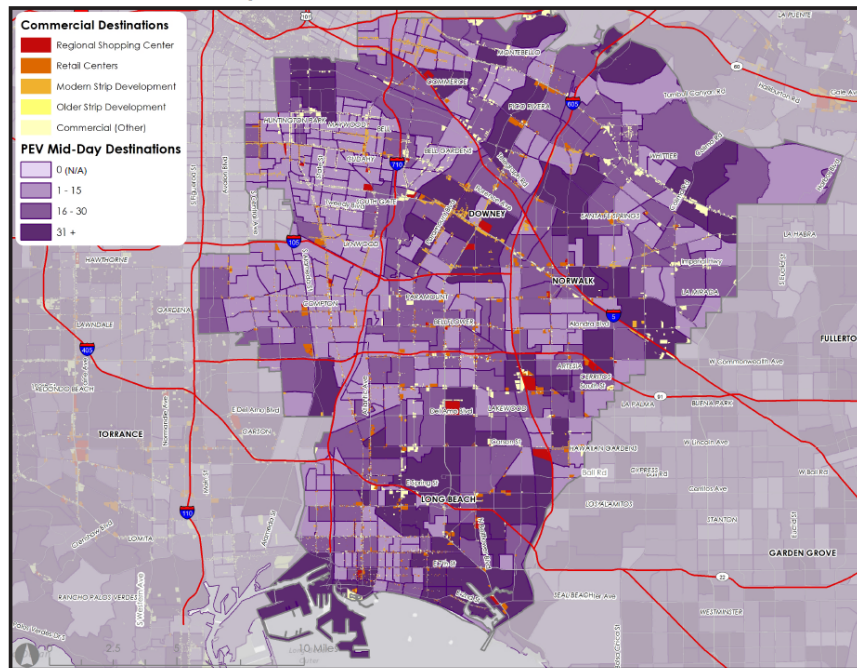
GATEWAY CITIES COUNCIL OF GOVERNMENTS Multi-Unit Residential Land Uses



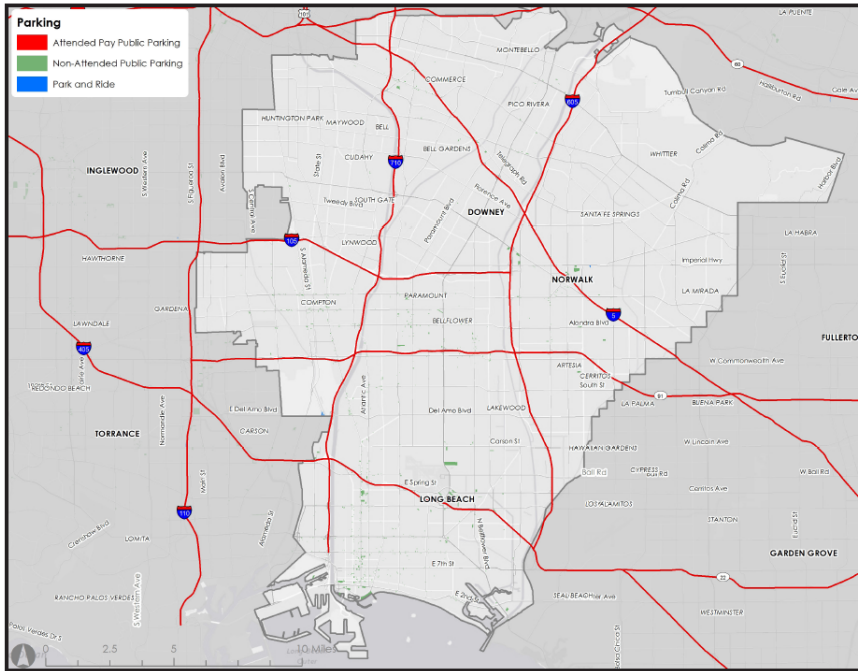
GATEWAY CITIES COUNCIL OF GOVERNMENTS
Commercial (Retail) Destinations



GATEWAY CITIES COUNCIL OF GOVERNMENTS
PEV Mid-Day Destinations and Commercial (Retail Locations)



GATEWAY CITIES COUNCIL OF GOVERNMENTS
Stand-alone Parking Facilities



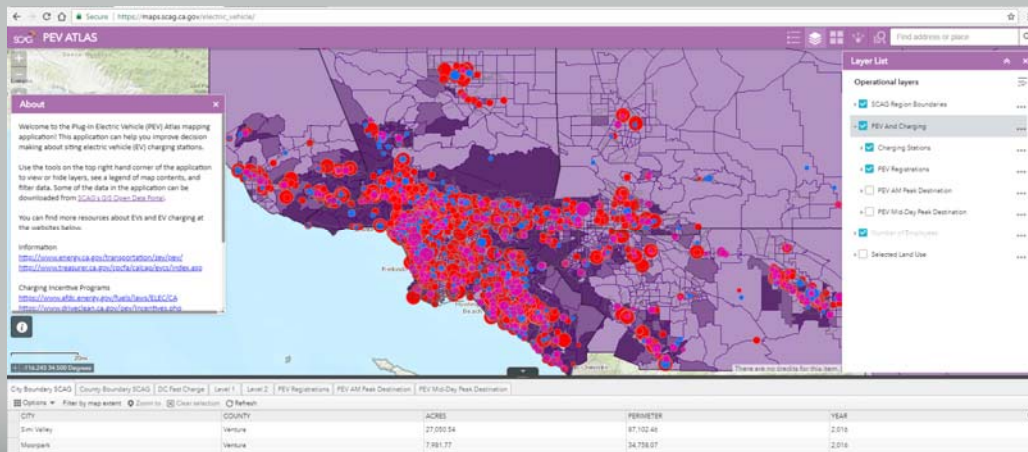
Available online:

<http://innovation.luskin.ucla.edu/content/southern-california-plug-electric-vehicle-readiness-atlas-2017-update>



Web Application

https://maps.scag.ca.gov/electric_vehicle/



Questions about the Atlas?

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