

ELECTRIC VEHICLES IN THE SACRAMENTO REGION

















Hybrid
Hybrid Electric/
Gas Vehicles

PHEV
Plug-in Hybrid
Electric Vehicles

BEVBattery Electric
Vehicles



595 miles with a full tank of gas

375 miles with a full charge and full tank of gas

100 miles with a full charge



112 mph

100 mph

90 mph



50 MPG

60 MPGe

99 MPGe



Level1
~110 Volt Outlet

Level2
~240 Volt Outlet

DC Fast

~440 Volt



~12+ Hours

~6 Hours

30 Minutes



Time

Typical Range per Charge 4.5 Miles per Hour 26 Miles per Hour

40 Miles per 10 Minutes

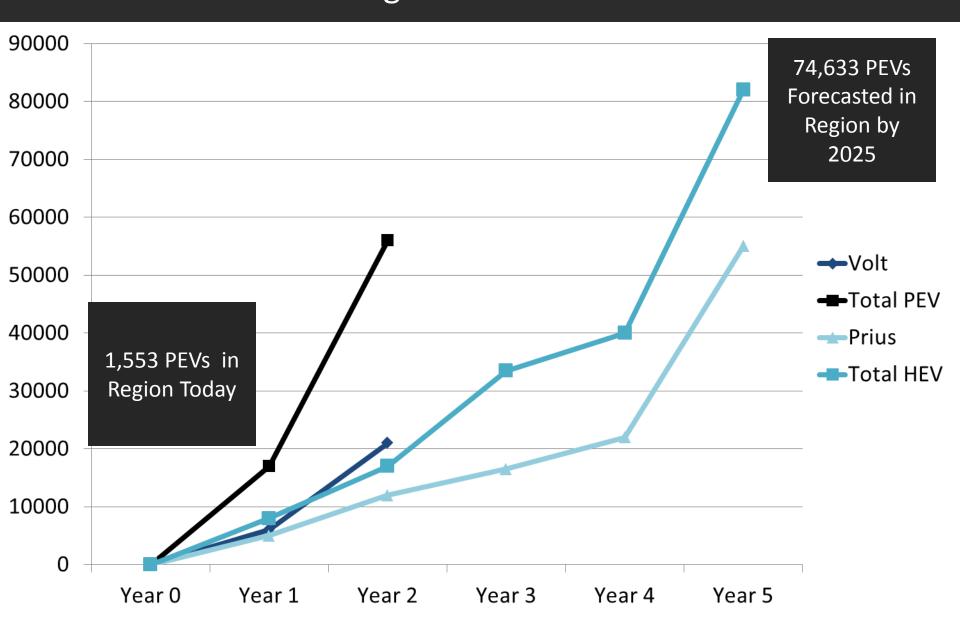
Typical Purchase and Install Costs

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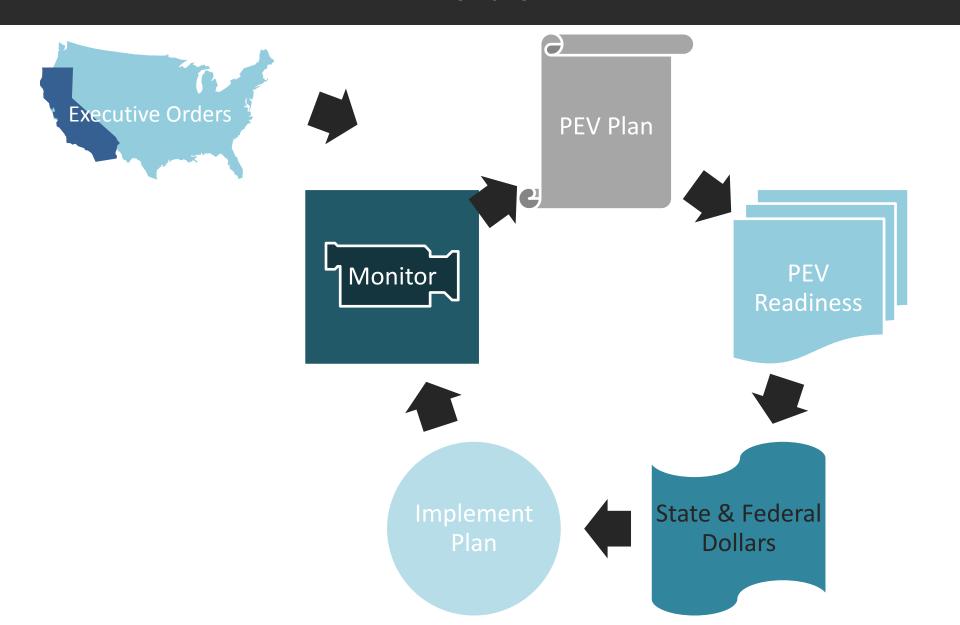
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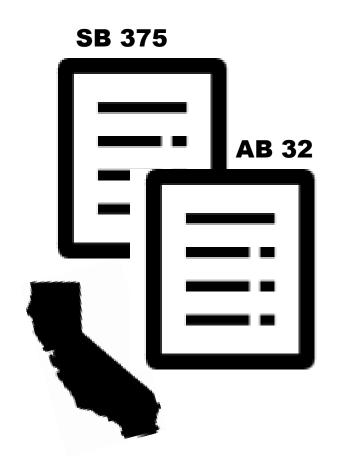
Nationally, Volt and PEV Annual Sales Lead Prius and HEV Sales During First 2 Years of Rollout



Goal of PEV Plan is to Position Region for Implementation Dollars

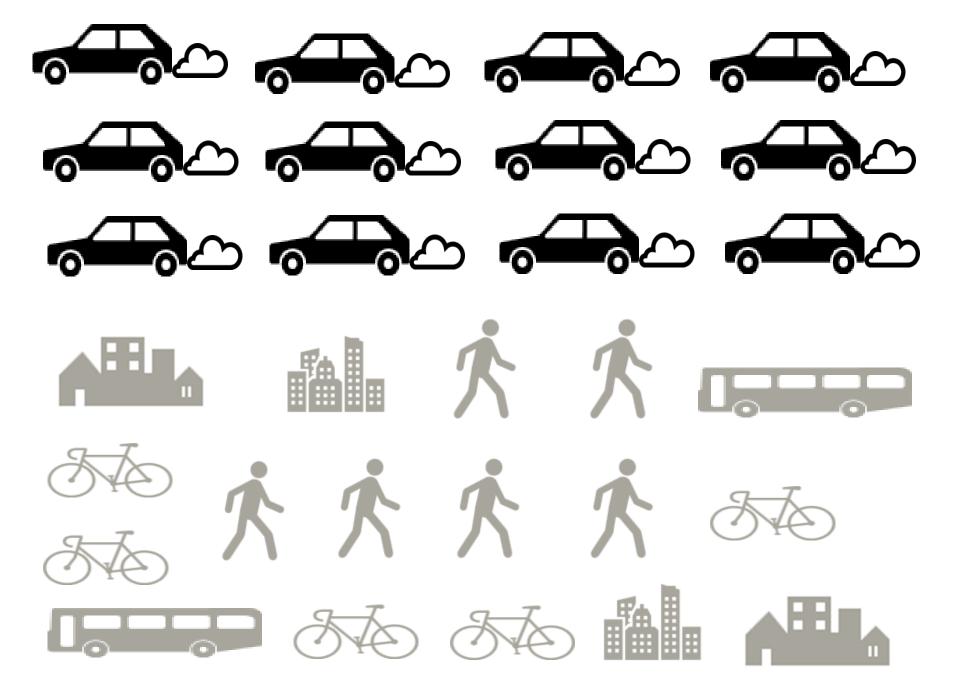


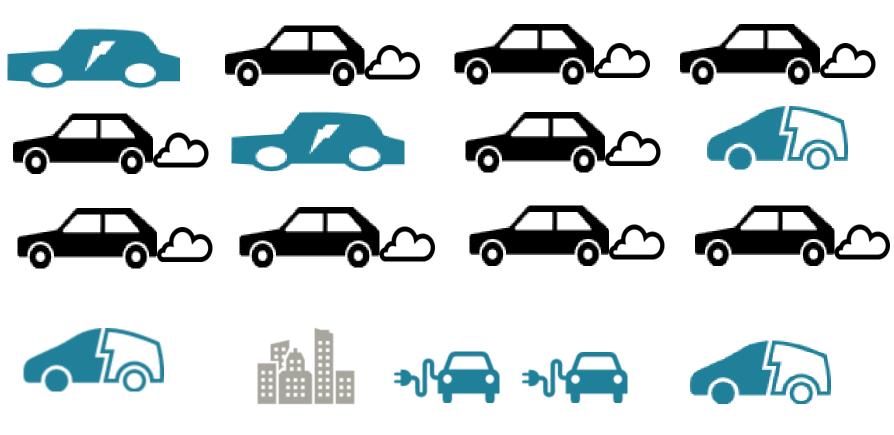
Why SACOG?



AB 32
Reduce GHG levels to 1990 levels by 2020

SB 375
Regional transportation agencies must create
Sustainable Communities Strategies
(SCS) to reduce GHG emissions from
passenger vehicles

























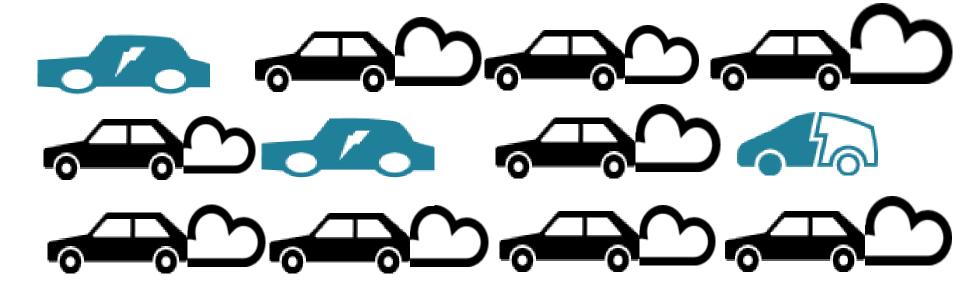










































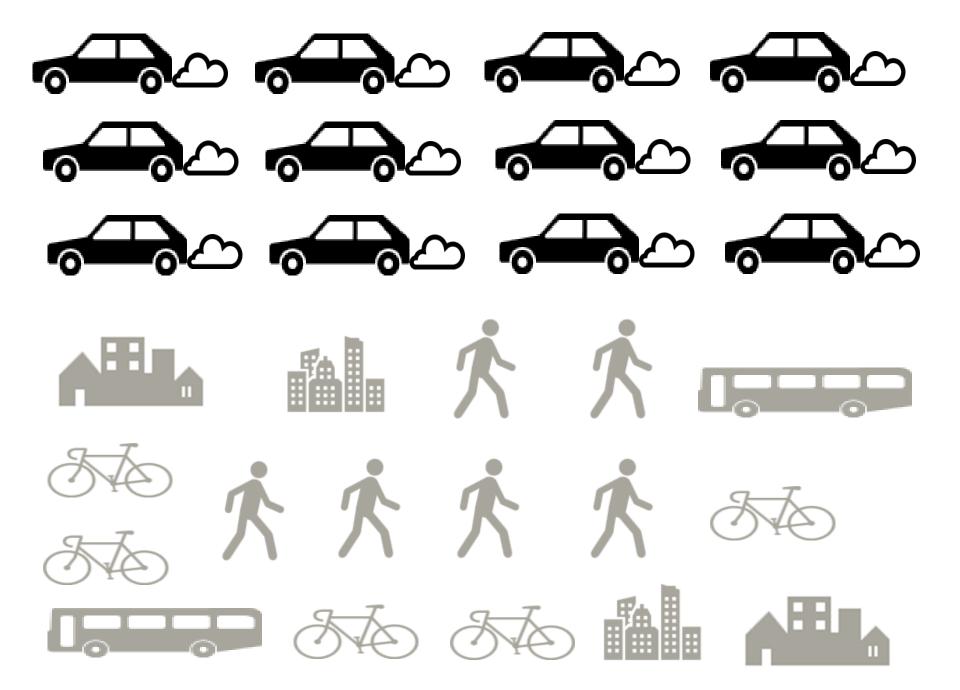


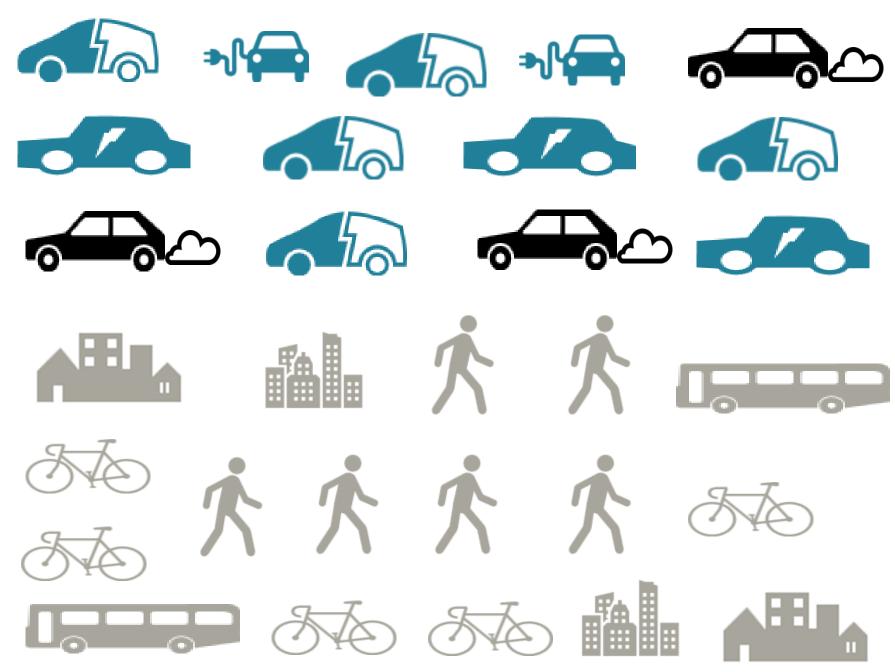








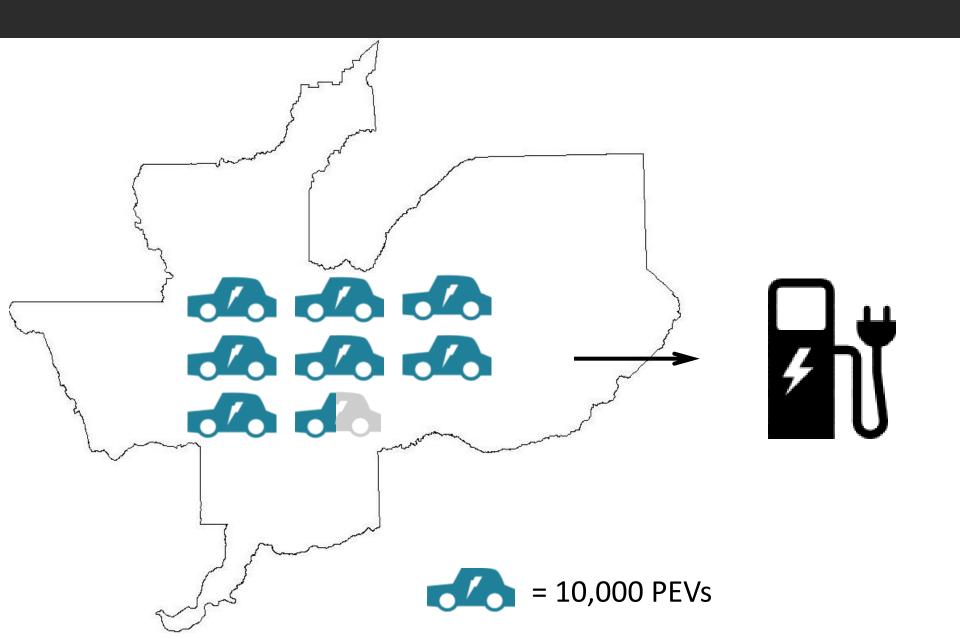




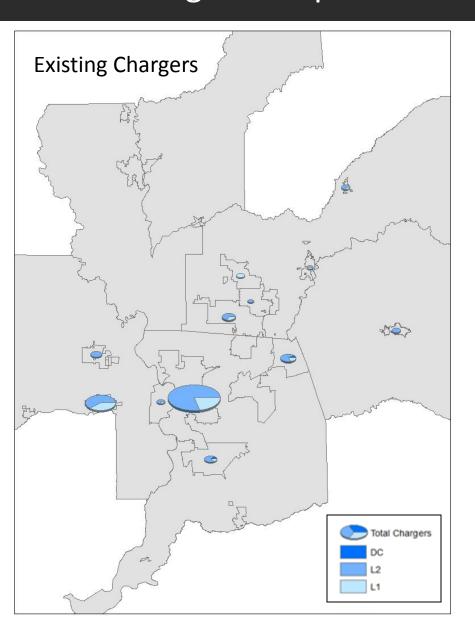




Infrastructure Forecast

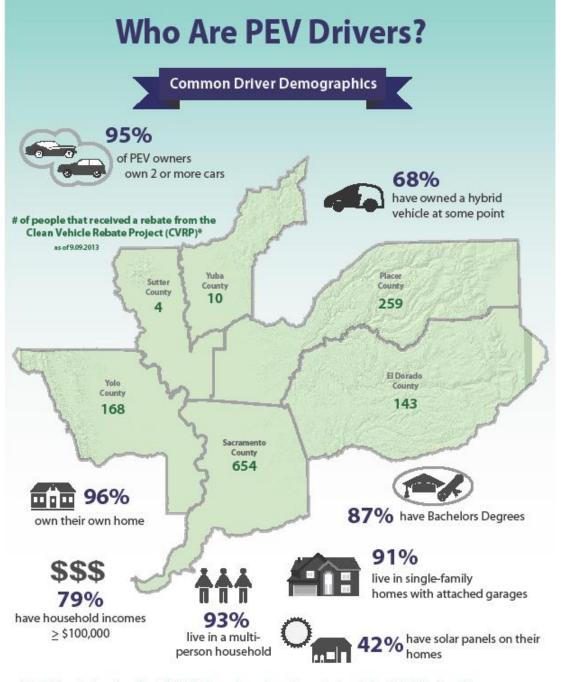


Some Workplace and Public Charging in the Region, with a Higher Proportion in Davis and Sacramento



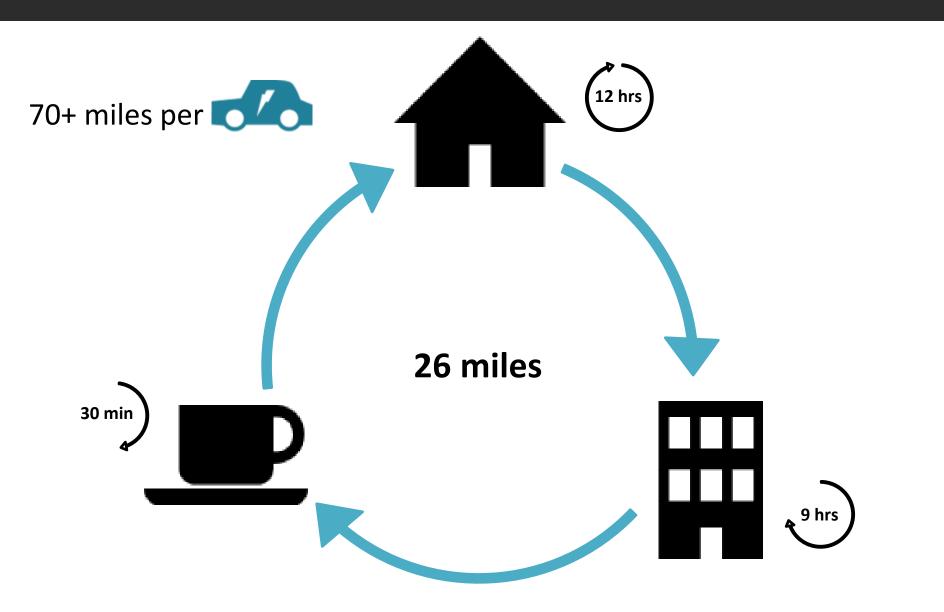
Future Chargers



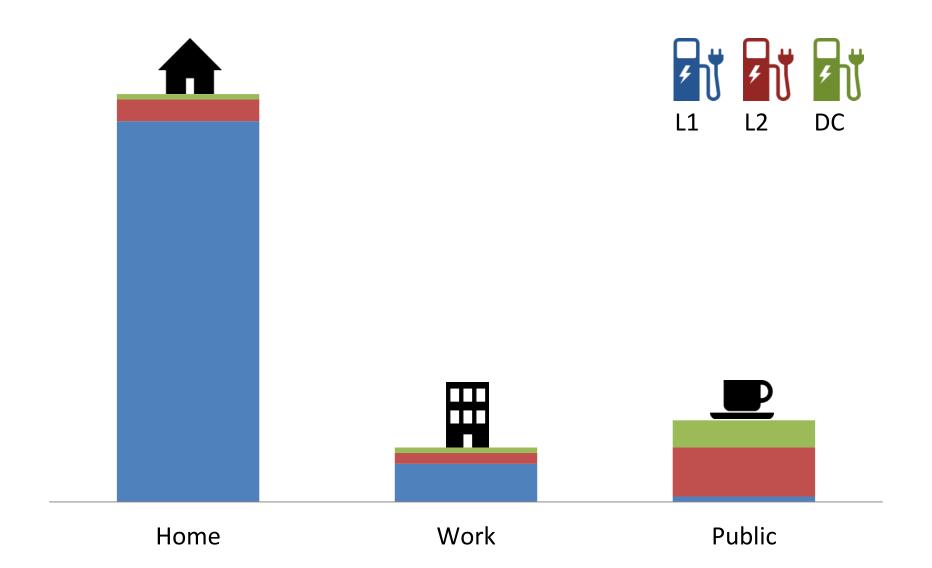


[&]quot;The CVRP provides incentives of up to \$2,500 for the purchase or lease of zero-emission and plug-in hybrid electric vehicles. The CVRP is funded by the CA Environmental Protection Agency's Air Resources Board.

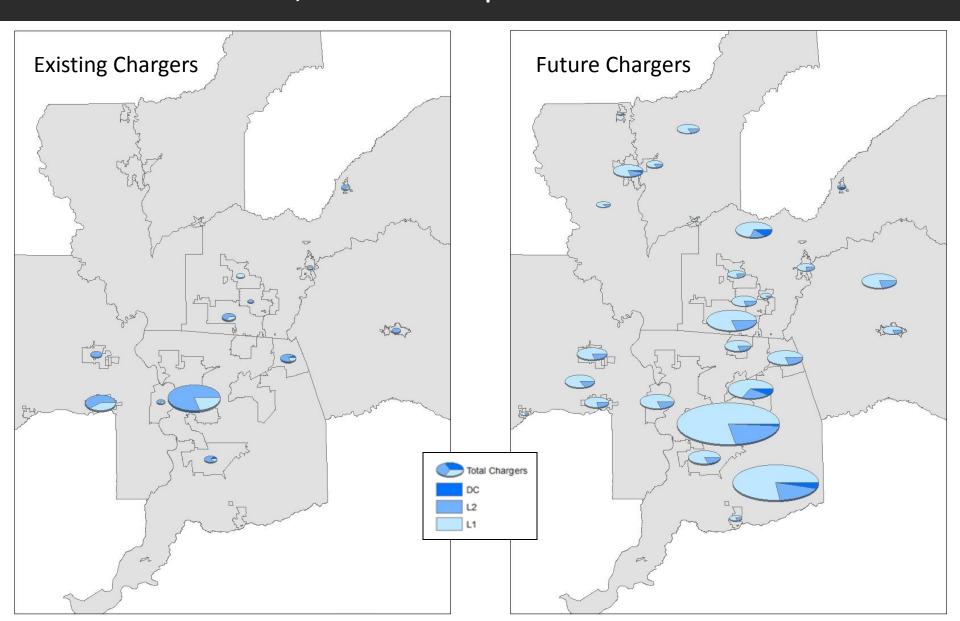
Driving Behavior Influences Charging Behavior



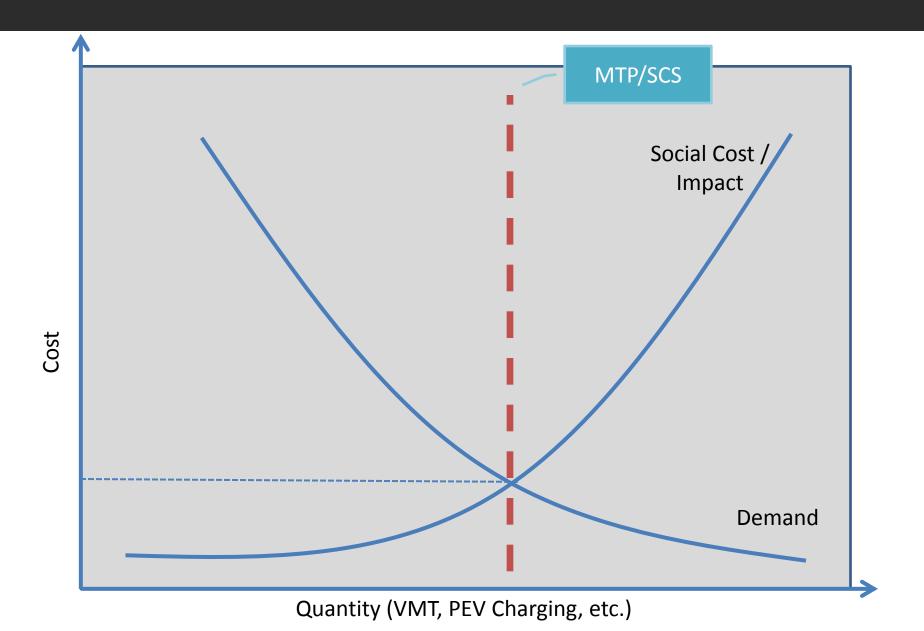
Most Charging will be Low-Voltage Charging at Home



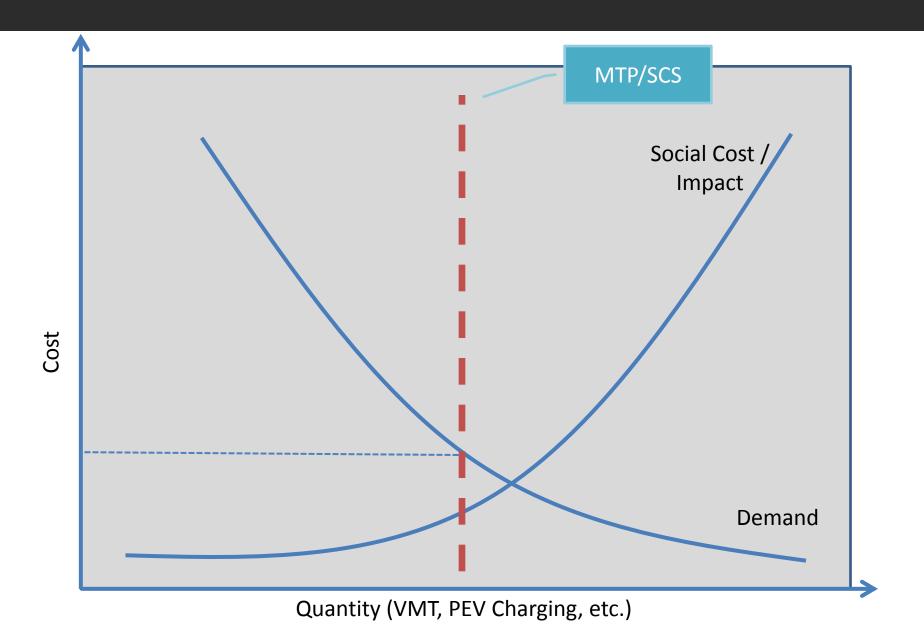
More Workplace and Public Charging Throughout Region in 2025, with an Emphasis on Level 1



The MTP/SCS Provides Guardrails for PEV Policies



The MTP/SCS Provides Guardrails for PEV Policies



PEV Readiness

LOCAL GOVERNMENT RESOLUTION FOR PREPAREDNESS OF PLUG-IN ELECTRIC VEHICLE (PEV) INFRASTRUCTURE

AT A MEETING OF THE CITY COUNCIL/BOARD OF SUPERVISORS OF

CITY/COUNTY, CALIFORNIA, HELD AT, ON, 201,
RESOLUTION - ADOPTING THE PREPAREDNESS FOR PLUG-IN ELECTRIC VEHICLE INFRASTRUCTURE
WHEREAS, the City Council/Board of Supervisors of the CITY/COUNTY OFdoes hereby find as follows:
WHEREAS, the quality of life in the Sacramento region is a valued asset that all residents share and wish to protect;
WHEREAS, the residents in the region are searching for alternative means of transportation that will have lesser impacts on air quality and fossil fuel consumption than internal combustion engine vehicles;
WHEREAS, PEVs are increasingly becoming more commonplace and a viable alternative means of transportation; and
WHEREAS, the City/County of recommend adoption of a set of standards that the may be used as goals in striving to be "PEV ready". These standards include:
 Updated zoning and parking policies inclusive of PEVs, Updated local building codes to make easier the installation of charging infrastructure, A streamlined permit and inspection process for charging infrastructure installations, Training and education for local officials, Education and outreach to local residents and businesses, Support utilities in minimizing electrical grid impacts, Find solutions for charging at multi-family properties, Incorporate PEVs into local fleets, Create local incentives to encourage PEV sales and use, Encourage linkage with renewable energy.
NOW, THEREFORE, BE IT HEREBY PROCLAIMED by the City Council/Board of Supervisors of, that the city/county of has adopted a set of standards by which the city/county will strive to become "PEV ready".
Dated:, CA City Council/Board of Supervisors, City/County of
Attest Clerk