



Transportation Electrification: What's important for your community?



California Public Utilities Commission





About the CPUC

- The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.



Electric and
Natural Gas
Utilities



Communications



Rail



Passenger
& Moving



Water





Why are we talking about “transportation electrification”?

Governor’s goal: 1.5 million zero emission vehicles on the roads by 2025

Current status: About 340,000 electric cars in California

Utilities are the fuel providers and grid managers





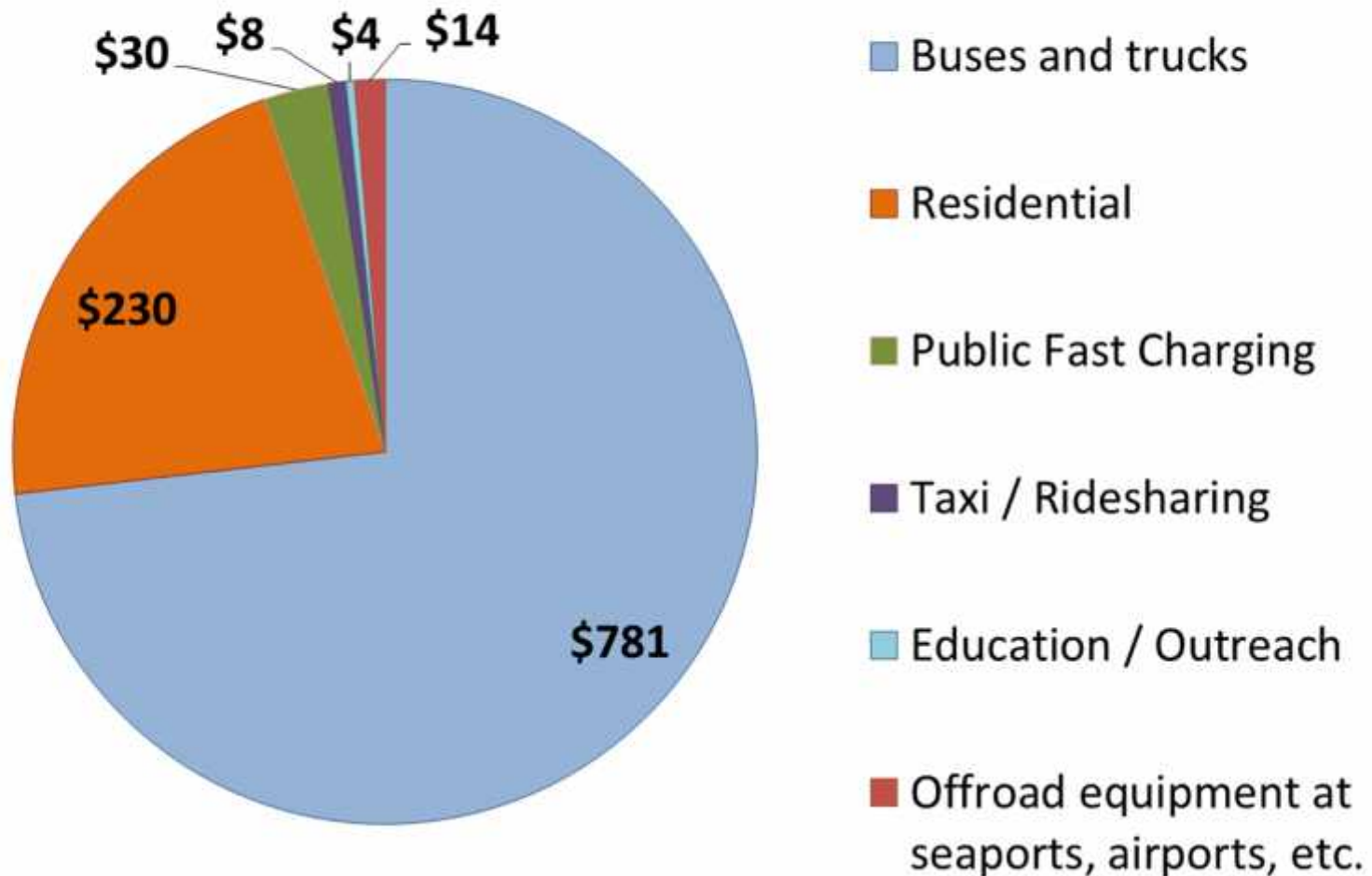
SB 350 (Clean Energy and Pollution Reduction Act of 2015):

- Electric utilities should develop programs and investments to support electric transportation to:
 - reduce petroleum use
 - meet air quality standards
 - improve public health
 - achieve GHG reduction goals
 - increase access for disadvantaged communities and low- and moderate-income communities



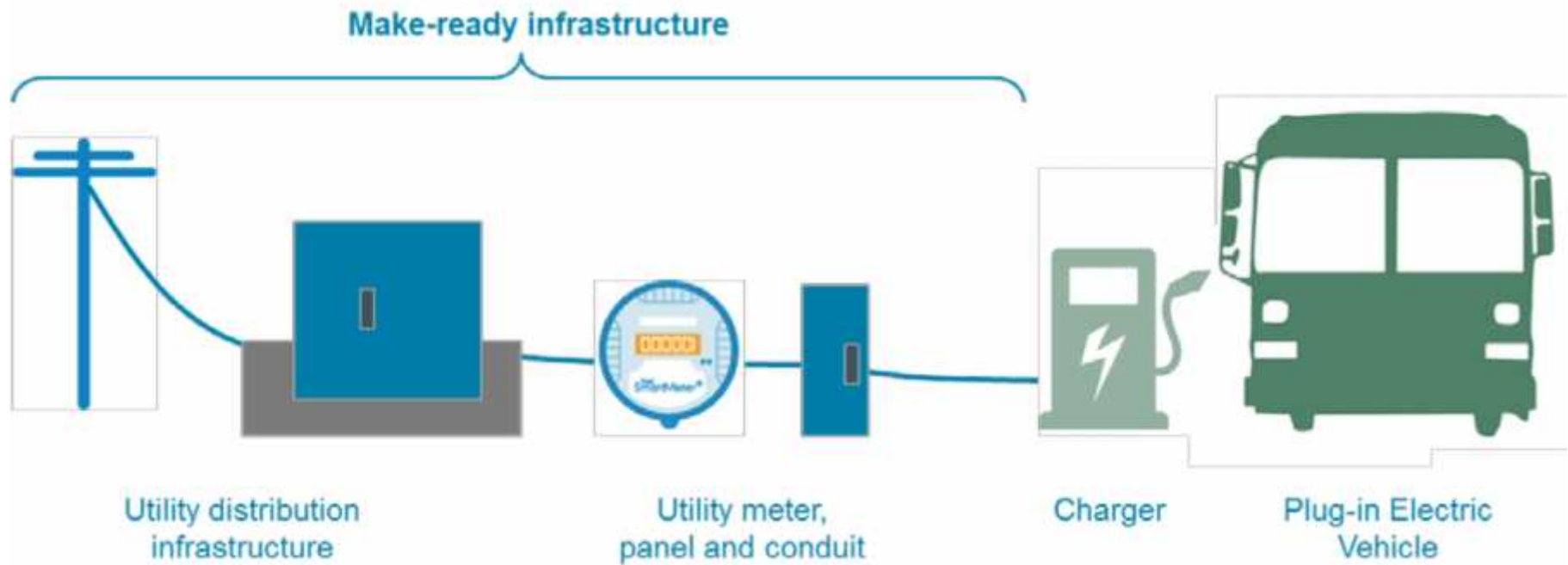


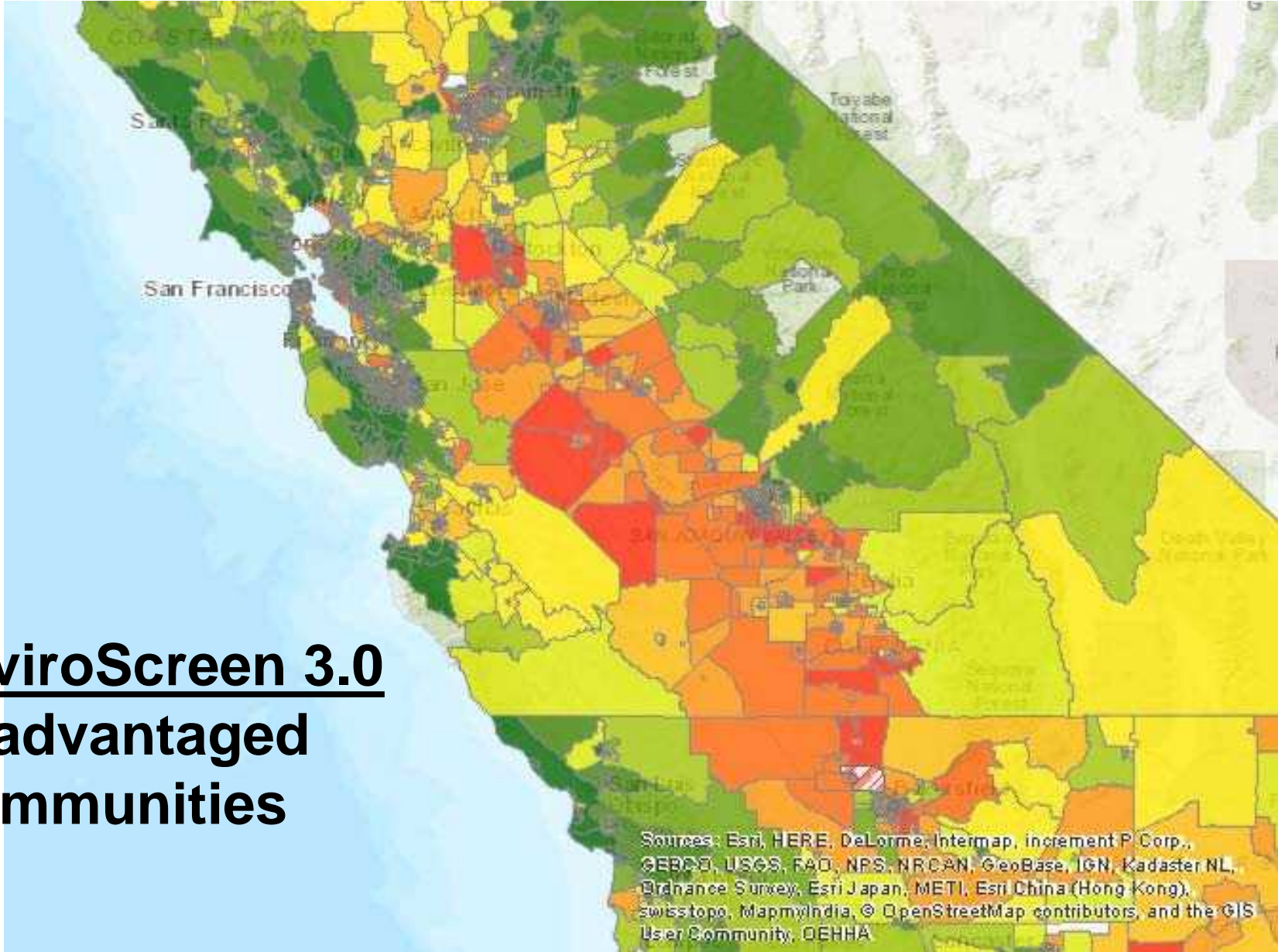
Proposed Utility Investment in Charging Infrastructure (millions \$)





EV Charging Distribution Infrastructure





CalEnviroScreen 3.0 Disadvantaged Communities



Proposed Decision on Priority Review Projects (PRPs)

- Issued for public comment on November 22, 2017. At the earliest, will be on January 11, 2018 Commission meeting agenda
- Approves 15 PRPs for a total of \$42.8 million
 - PG&E: 4 projects at \$8.1 million (including evaluation \$)
 - SCE: 5 projects at \$16.1 million (including evaluation \$)
 - SDG&E: 6 projects at \$18.6 million (including evaluation \$)
- Rejects two projects for being under- developed
- Sets aside \$1.7 million for evaluation
- Proceeding remains open to consider remaining Standard Review Projects





PG&E Proposed Projects

Requested: \$20m PRPs / \$232 SRPs

Priority Review Projects (PRPs)	Proposed Decision, Nov. 2017 (Proposes to approve \$8.1 million for PRPs)
Medium/Heavy Duty Fleets	Proposes approval – target fleet routes in DACs
Electric School Bus Integration	Proposes approval – target a school in DAC
Idle Reduction Technology	Proposes approval – must primarily benefit DACs
Home EV Charger Resource	Proposes approval – must target information for DACs
Open Request for Proposals	Proposes to deny
Standard Review Projects	Under evaluation
FleetReady Program	<i>Under evaluation</i>
Fast Charging Program	<i>Under evaluation</i>





SCE Proposed Projects

Requested: \$19.5m PRPs / \$554m SRPs

Priority Review Projects (PRP)	Proposed Decision, Nov. 2017 (Proposes to approve \$16.1 million)
Residential Make-Ready Rebate	Proposes approval – 50% rebates in DACs
EV Ridesharing Reward Pilot	Proposes to deny
Urban Fast Charging Clusters	Proposes approval – deployed in DAC
Electric Transit Bus Make-Ready	Proposes approval – deployed for routes in DACs
Port of Long Beach Crane	Proposes approval
Port of Long Beach Terminal Yard	Proposes approval
Standard Review Projects	Under evaluation
Medium- and Heavy-Duty Charging Infrastructure	<i>Under evaluation</i>





What are the utilities already doing?

- ...building charging at apartment/condo buildings and workplaces
- ...providing a rebate or credit for buying an electric car
- ...offering special rates for charging an electric car at home





Questions and discussion

Thank you!

For more information:

www.cpuc.ca.gov/zev

Carla J. Peterman, Commissioner
Jennifer Kalafut, Chief of Staff, Office of
Commissioner Peterman





EXTRA SLIDES





PG&E Proposed Programs

Project Name	Costs
Medium- or Heavy-Duty Fleet Customer Demonstration	\$3.4 million
Idle-reduction Technology Customer Demonstration	\$3.4 million
Electric School Bus Renewables Integration Pilot	\$3.4 million
Home EV Charger Information Resource Project	\$1.8 million
Open Request for Proposals for TE Projects	up to \$6.6 million total
FleetReady	\$210.8 million
Fast Charge	\$22.4 million
TOTAL	\$252 million





SCE Proposed Programs

Project Name	Costs
Residential Make-Ready Rebate	\$4 million
EV Driver Rideshare Reward	\$4 million
Urban DCFC Clusters Pilot	\$3.98 million
Electric Transit Bus Make-Ready Program	\$3.98 million
Port of Long Beach Rubber Tire Gantry Electrification	\$3.04 million
Port of Long Beach ITS Terminal Yard Tractor Project	\$0.5 million
Medium- and Heavy-Duty Charging Infrastructure	\$554 million
TOTAL	\$573.5 million

