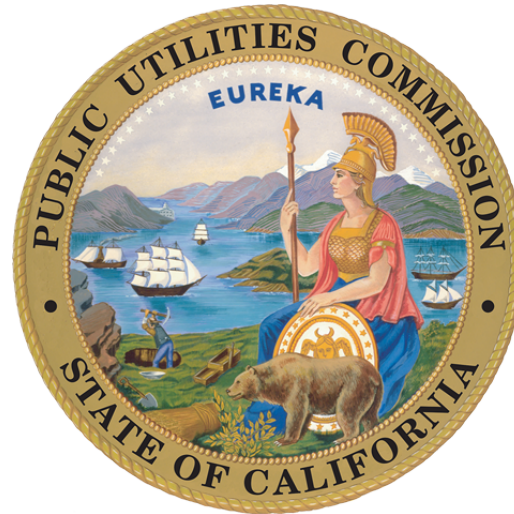




SB 350 Transportation Electrification



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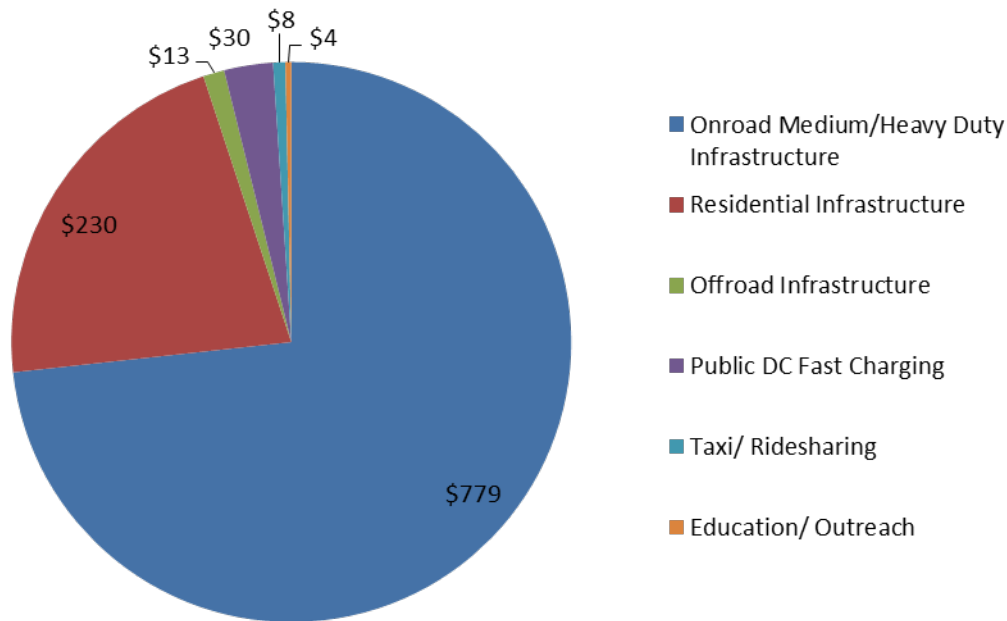
March 7, 2017



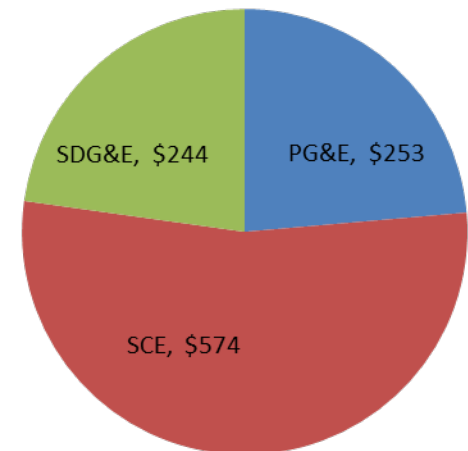


Large IOU SB 350 TE Applications: \$1 billion in funding requested

Funding Requested by Project Type



Funding Requested by IOU



	Medium/Heavy Duty Infrastructure	Residential Infrastructure	Offroad Infrastructure	Public DC Fast Charging	Taxi/Ridesharing	Education/Outreach	
	~\$779 M	~\$230 M	~\$13 M	~\$30 M	~\$7.5 M	~\$3.6 M	
SDG&E	Fleet Delivery Services \$3.7 M	Residential Charging Infrastructure \$226 M	Airport Ground Support Equipment \$2.8 M	Electrify Local Highways \$4 M	Taxi/Shuttle/Rideshare \$3.5 M	Car Dealer Incentives \$1.8 M	Total SDG&E Request: \$244 M
	Commercial Grid Integration Rate	Residential Grid Integration Rate	MD/HD and Forklift Port Electrification \$2.4 M	Public Charging Grid Integration Rate			
SCE	Transit Bus Make-Ready & Rebate \$4 M	Residential Make-Ready Rebate \$4 M	Port of Long Beach Gantry Crane \$4 M	Urban DC Fast Charger Clusters \$4 M	EV Driver Rideshare Reward \$4 M		Total SCE Request: \$574 M
	MD/HD Charging Infrastructure \$554 M		Port of Long Beach ITS Terminal Yard Tractor \$0.5 M				
	Commercial EV Rate						
PG&E	MD/HD Fleet \$3.4 M		Idle-Reduction Technology \$3.4 M	Fast Charge Infrastructure \$22 M		Home Charger Information \$1.8 M	Total PG&E Request: \$253 M
	Electric School Bus Renewables Integration \$3.4 M	PG&E also proposed conducting a request for third-party EV innovators to design a project or program to spend the remainder of its priority review budget (\$6.6 M)					
	FleetReady Make-Ready Infrastructure \$210 M						

Priority Review

Standard Review

Rate Design Proposals



Procedural Next Steps

1/20/17

- Large IOU applications sent to service list

3/6/17

- Stakeholders submit protests/responses to applications

3/13/17

- IOUs submit responses to protests

3/16/17

- Pre-Hearing Conference
- Discuss scope, schedule, priority review projects, communication standards working group, whether the 3 IOU proceedings should be consolidated

6/30/17

- Smaller IOUs file applications





Questions for TE Policymaking

- What's the right level of utility ownership of EV infrastructure?
- What's the best way to design rates to encourage EV adoption?
- Are there innovative approaches to address the charging needs for the multi-unit dwelling sector?
- How can we promote EV adoption in disadvantaged communities?
- How can we better align with transportation planning and local land use planning?
- How can we enable opportunities for third-party providers to invest private capital in this space?
- Do utilities have the right incentives (business model) to make the right EV investments?
- How do we plan for autonomous and connected vehicles?





Thank You!

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CPUC General Zero-Emission Vehicle Website www.cpuc.ca.gov/zev

CPUC SB 350 Transportation Electrification www.cpuc.ca.gov/sb350te





Backup





CA Senate Bill 350 (2015)

- SB 350 has requirements for energy efficiency, renewables, integrated resource planning, disadvantaged communities, & more
- Defines TE: Use of external sources of electrical power for:
 - Vehicles, vessels, trains, boats, & other equipment that are mobile sources of air pollution and greenhouse gases
- Directs CPUC, in coordination with ARB and CEC, to direct IOUs to file applications to accelerate widespread TE
 - Obj: reduce petroleum usage, meet air quality standards, improve public health, reduce GHGs
 - Reqt: Min costs, max benefits, don't unfairly compete with non-utility enterprises, performance accountability, ratepayer interests





CPUC Guidance to IOUs

- Basic requirements
 - 3 large utilities file applications by 1/20/17
 - 3 small utilities file applications by 6/30/17
 - IOU must show how proposed TE portfolio meets SB 350 requirements (accelerate TE, minimize costs, maximize benefits, etc.)
- Regulatory review
 - Priority review for non-controversial, short-term (1-year) investments
 - total of \$20M per utility, <\$4M per project
 - Standard Review for all other investments
- Portfolio design
 - Address priority projects & programs
 - Rate design
 - Expand focus from light duty to include medium/heavy, transit, ports, etc.
 - Leverage results of previous pilots
 - Align with local, regional, state TE planning and investments
 - Promote safety





CPUC Decision-Making Process

