



SB 350 Transportation Electrification For the Medium- and Heavy-Duty Sectors



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California Air Resources Board Advanced Clean Truck Technologies Workshop





Senate Bill 350 (2015)

- Directs CPUC, in coordination with ARB and CEC, to direct investor-owned utilities to file applications to accelerate widespread TE
 - Objective: reduce petroleum usage, meet air quality standards, improve public health, reduce GHGs
 - Requirements: Minimize costs, maximize benefits, don't unfairly compete with non-utility enterprises, adopt performance accountability measures, benefit ratepayer interests
 - Relates to investor-owned utilities under CPUC jurisdiction:
 - San Diego Gas & Electric, Southern California Edison, Pacific Gas and Electric, Bear Valley Electric, PacifiCorp, Liberty Utilities





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

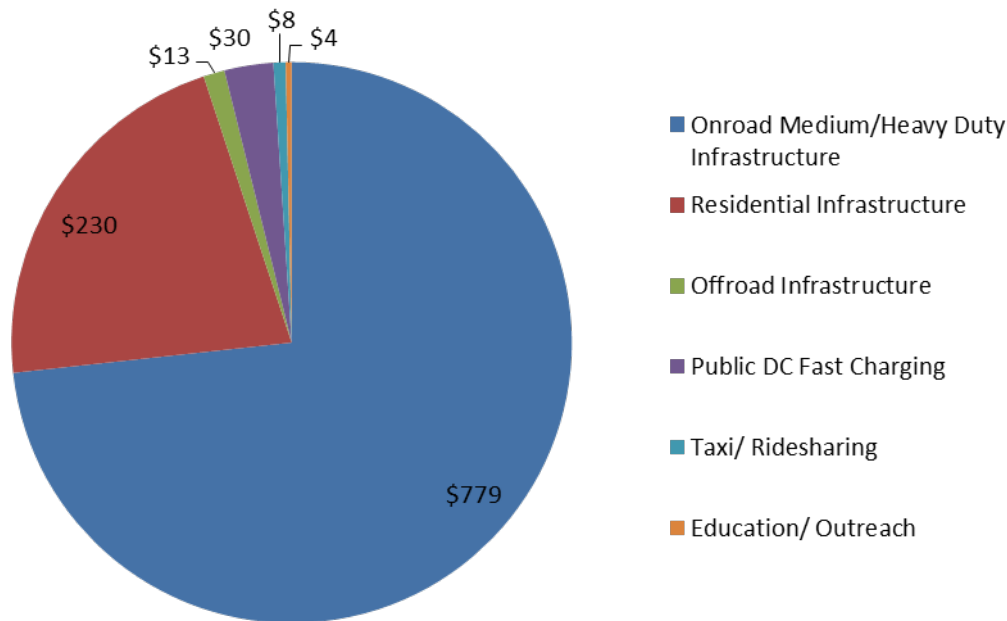




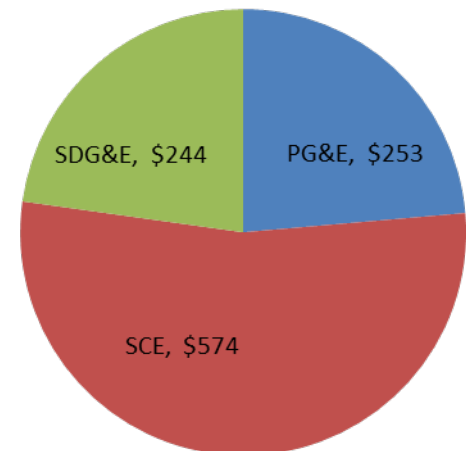
Large IOU Applications:

\$1 B in funding requested (filed January 2017)

Funding Requested by Project Type (\$M)



Funding Requested by IOU (\$M)



	Onroad 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 Design						
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						
	FleetReady Make- Ready Infrastructure \$210 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 (\$8.2 M)				<div>Priority Review</div> <div>Standard Review</div> <div>Rate Design Proposals</div>	



Next Steps

- January 2017, three large IOUs proposed TE portfolios
 - Throughout 2017, continue to review proposals
 - Workshop on Priority Review Projects May 17, 2017 at CPUC
 - Workshop on Standard Review Projects July 11, 2017 at CPUC
 - Consult with CEC and ARB on our review and analysis
 - Proposed decision on Priority Review Projects targeted for September 2017
- June 2017, three small IOUs will propose TE portfolios





Discussion Points

- Are you interested in participating in any of the projects as proposed by the utilities?
- Are there barriers that would prevent you from being able to participate?
- What modifications might be necessary for the proposals to fit with fleets' business models?
- Are there other sources of financing available to support your participation in these proposed projects?





Thank you!

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