



Priority Review Project Proposals Included in the Investor-Owned Utility Transportation Electrification Applications Pursuant to SB 350

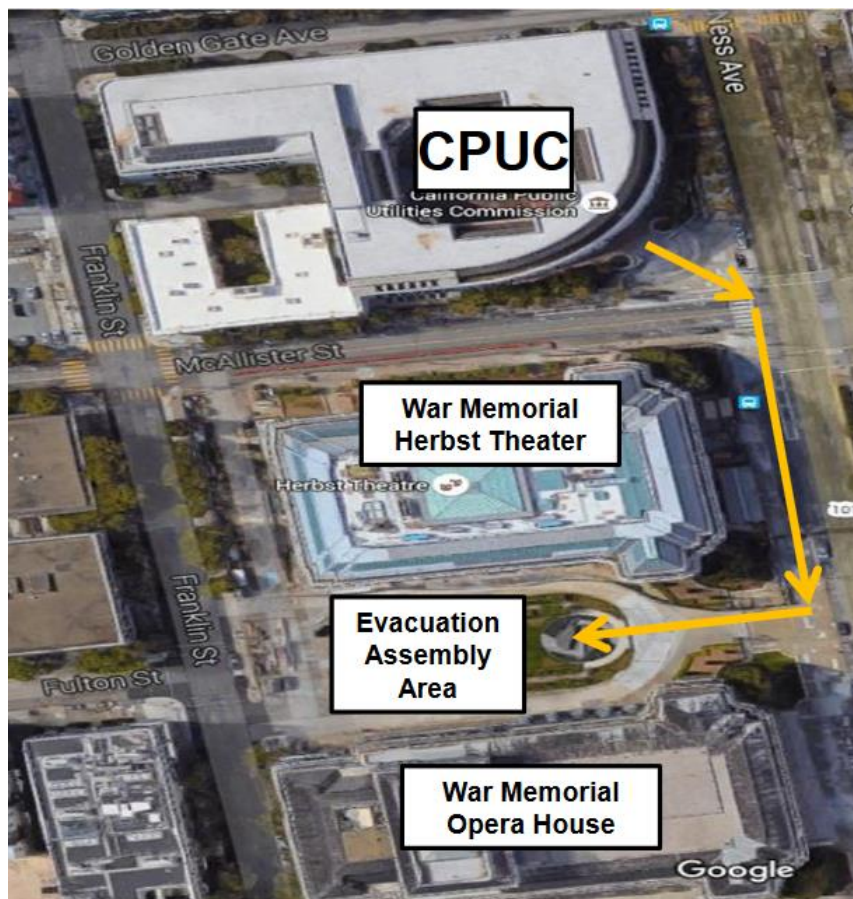


May 17, 2017



Safety & Misc.

- In case of an Emergency
 - Staff will call 911
 - To evacuate, proceed out of 1 of 4 exits to Civic Center Plaza
 - Exit toward Van Ness / McAllister
 - Walk past City Hall
- Bathrooms & fountain across the Lobby





Morning Agenda

Topic	Time
Ground Rules and Workshop Process Carrie Sisto, TE Analyst, Energy Division	9:00am-9:05am
Welcome and Introduction Commissioner Carla Peterman, CPUC	9:05am-9:15am
Residential and Public Charging Infrastructure Proposals <ul style="list-style-type: none">• Residential Make-Ready Rebate (SCE)• Urban DCFC Clusters (SCE)• Electrify Local Highways (SDG&E)• Public Grid-Integrated Rate (SDG&E)	9:15am-10:45am
Break	10:45am-11:00am
Ridesharing/Taxi Proposals <ul style="list-style-type: none">• Taxi/Shuttle/Rideshare (SDG&E)• EV Driver Rideshare Reward (SCE)	11:00am-12:00pm
Lunch	12:00pm-1:00pm



Afternoon Agenda

Topic	Time
On-road Medium/Heavy Duty Infrastructure <ul style="list-style-type: none">• Transit Bus Make-Ready & Rebate (SCE)• Medium/Heavy-Duty Fleet (PG&E)• Electric School Bus Renewables Integration (PG&E)• Fleet Delivery Services (SDG&E)• Commercial Grid-Integrated Rate (SDG&E)	1:00pm-2:30pm
Off-Road Infrastructure <ul style="list-style-type: none">• Airport ground Support Equipment (SDG&E)• Medium/Heavy-Duty and Forklift Port Electrification (SDG&E)• Port of Long Beach Gantry Crane (SCE)• Port of Long Beach ITS Terminal Yard Tractor (SCE)• Idle-Reduction Technology (PG&E)	2:30pm-3:00pm
Break	3:00pm-3:05pm
Education/Outreach Proposals <ul style="list-style-type: none">• Dealership Incentives Project (SDG&E)• Home Charger Information Portal (PG&E)	3:05pm-3:35pm
PG&E Open Request for Proposals	3:35pm-3:50pm
Data Gathering, Reporting and Evaluation Criteria	3:50pm-4:20pm
Wrap Up and Next Steps	4:20pm-4:30pm



Workshop Objectives

- Stakeholders can more fully develop the issues they will address in written briefs
 - Address “Discussion Questions”
 - Raise and address any other significant issues
 - Receive clarification from IOUs on proposal details
- NOT intended to review every issue that stakeholders will describe in briefs



Today's Attendees

- State agencies, local governments
- Customers, fleet operators (pilot participants)
- Environmental nonprofits, ratepayer advocates, community organizations, EJ/DAC
- Automakers, EV service/equipment/technology providers
- Utilities



Ground Rules

- Identify yourself and your organization
- Limit each turn to 2 minutes
- Do not repeat what another person has already said
- Stay on topic: proposed priority review projects at level of detail in proposals
- Webex participants type questions/comments to 'Chat Me!' and they will be read aloud

Overview of Priority Review Proposals in A.17-01-020 et al.

	Onroad Medium/Heavy Duty Infrastructure	Residential Infrastructure	Offroad Infrastructure	Public DC Fast Charging	Taxi/Ridesharing	Education/Outreach
SDG&E	Fleet Delivery Services		Airport Ground Support Equipment	Electrify Local Highways	Taxi/Shuttle/Rideshare	Car Dealer Incentives
	\$3.7 M		\$2.8 M	\$4 M	\$3.5 M	\$1.8 M
	Commercial Grid-Integrated Rate			Public Grid-Integrated Rate		
			MD/HD and Forklift Port Electrification			
SCE	Transit Bus Make-Ready & Rebate	Residential Make-Ready Rebate	Port of Long Beach Gantry Crane	Urban DC Fast Charger Clusters	EV Driver Rideshare Reward	
	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	
			Port of Long Beach ITS Terminal Yard Tractor			
PG&E	MD/HD Fleet		Idle-Reduction Technology			Home Charger Information
	\$3.4 M		\$3.4 M			\$1.8 M
	Electric School Bus Renewables Integration			PG&E also proposed an \$8.2 M Open RFP		
	\$3.4 M					



Scoping Memo Issues for Priority Review

1. Do priority review projects meet SB 350 requirements for TE?
2. Is there a need to amend the priority review projects?
3. Do priority review projects meet the criteria set forth in the ACR?
4. Do priority review projects address safety concerns?
5. Have priority review projects addressed rate design issues?
6. Are priority review projects reasonable & in ratepayers' interests?
7. What data gathering, reporting, & evaluation requirements are needed?
8. What kind of cost recovery mechanisms should be adopted?
9. Do priority review projects adequately address low- and moderate-income communities?



Discussion



2.1 Residential Infrastructure

- SCE Residential Make-Ready



2.1 Residential Infrastructure Qs

1. Rebate amount?
2. Income cap, tiers, other ways to assist low- and moderate-income?
3. Target for DAC/low- and moderate-income?
4. Interest of ratepayers?



2.2 Public Fast-Charging

- SCE Urban DCFC
- SDG&E Electrify Local Highways
- SDG&E Public Grid-Integrated Rate
(see 2.7)



2.2 Public DCFC Questions

1. Benefit DAC, low- and moderate-income?
2. Rates adequate for load management and renewables integration?
3. Scalable?
4. Utility ownership and competition?
5. Interest of ratepayers?



2.2 Public DCFC Rate Questions

1. Appropriate rate design principles?
2. Revenue-neutral?
3. Promote integration of renewables?
4. Opportunity for low cost of fuel (electricity)?
5. Clear and understandable price signals?
6. Address the needs of drivers that must charge during peak hours?
7. Will EVSE price display provide adequate price signals to driver?
8. Is EVSE that displays pricing info commercially available?
9. Apply to customers that are not pilot participants?



2.3 Taxi and Ridesharing

- SDG&E Green Taxi/Rideshare
- SCE EV Driver Rideshare Reward



2.3 Taxi and Ridesharing Questions

1. Incentivize drivers to purchase and drive EVs?
2. Should utility own EVSE at taxi/rideshare drivers' homes?
3. Ratepayer/utility liability for EVSE ownership within residential home?
4. Incentives appropriate use of ratepayer funds?
5. Benefit DAC, low- and moderate-income?
6. Scalable?
7. In the interest of ratepayers?
8. Meet environmental objectives in SB 350?



2.4 On-road Medium- & Heavy-Duty

- SCE Transit Bus Make-Ready & Rebate
- PG&E Medium/Heavy-Duty Fleet
- PG&E Electric School Bus Renewables Integration
- SDG&E Fleet Delivery Services
- SDG&E Commercial Grid-Integrated Rate (see 2.7)



2.4 On-road Medium- & Heavy-Duty Qs

1. Coordination of utility efforts?
2. Equipment ownership and competition?
3. Host cost commitment levels?
4. How long should utilities maintain infrastructure & require hosts to participate?
5. Benefit DAC, low- and moderate-income?
6. Scalable?
7. Interest of ratepayers?
8. Appropriate level of GIR monthly fixed charge?



2.4a Off-road Infrastructure

- SDG&E Airport ground Support Equipment
- SDG&E Medium/Heavy-Duty and Forklift Port Electrification
- SCE Port of Long Beach Gantry Crane
- SCE Port of Long Beach Yard Tractor
- PG&E Idle-Reduction Technology



2.4a Off-road Infrastructure Qs

1. Benefit DAC, low- and moderate-income?
2. Equipment ownership and competition?
3. How long should utilities maintain infrastructure & require hosts to participate?
4. Scalable and transferable to other sectors?
5. Interest of ratepayers?



2.5 Education and Outreach

- SDG&E Dealership Incentives
- PG&E Home EV Charger Information



2.5 Education & Outreach Questions

1. Necessary in addition to existing public information and dealership outreach programs?
2. Target DACs, low- and middle-income communities, and multi-unit dwellings?
3. Scalable?
4. How to measure success?



2.6 Open Request for Proposals

- PG&E



2.6 Open Request for Proposals Qs

1. Criteria to ensure proposals meet requirements of SB 350 and the ACR?
2. Is RPF needed?
3. Oversight of RFP process and implementation?



3. Data Collection and Reporting



3. Data Collection and Reporting Qs

1. Performance accountability measures for pilot success or achieving SB 350 goals?
2. What types of performance accountability measures?
3. Standardize measures?
4. Final report template?
5. Which data collected from all pilots?
6. Which specific data collected from specific pilots?
7. Data shared confidentially w/ state?
8. Quantify GHG emissions reductions?
9. Advisory Board or stakeholder feedback on implementation?



Next Steps



Timeline for Priority Review Proposals in Scoping Memo

Item	Date
Energy Division issues common briefing outline	May 24, 2017
Concurrent opening briefs due	June 16, 2017
Concurrent reply briefs due	July 10, 2015
Proposed Decision(s)	September 2017
Comments filed on proposed decision	Within 20 days of Proposed Decision
Commission adoption of Decision(s)	October 2017



Draft Common Briefing Outline

1. Do the proposed priority review projects meet the SB 350 requirements for TE? If not, what modifications are necessary?
 - a. Residential and Public Charging Infrastructure
 - b. Ridesharing/Taxi
 - c. On-road Medium/Heavy Duty Infrastructure
 - d. Off-Road Infrastructure
 - e. Education/Outreach
 - f. Open Request for Proposals
2. Do the priority review projects meet the criteria set forth in the ACR? If not, what modifications are necessary?
3. Safety
4. Rate design and load management
5. Reasonableness and ratepayer interest
6. Data gathering, reporting, evaluation, and oversight
7. Reasonableness of budgets and appropriate cost recovery mechanism
8. Benefits to disadvantaged, low-income, and moderate-income communities



Questions?

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Appendix



The Interest of Ratepayers is Defined as:

Direct benefits that are specific to ratepayers, consistent with both of the following:

- Safer, more reliable, or less costly gas or electrical service, consistent with Section 451, including electrical service that is safer, more reliable, or less costly due to either improved use of the electric system or improved integration of renewable energy generation.
- Any one of the following:
 - Improvement in energy efficiency of travel.
 - Reduction of health and environmental impacts from air pollution.
 - Reduction of greenhouse gas emissions related to electricity and natural gas production and use.
 - Increased use of alternative fuels.
 - Creating high-quality jobs or other economic benefits, including in disadvantaged communities identified pursuant to Section 39711 of the Health and Safety Code.

California Public Utilities Code Section 740.8.