

SDG&E Clean Transportation  
SB 350 Transportation Electrification  
Application  
April 25, 2017



# Benefits of SDG&E's Proposal

- Ensures availability & reliability of grid integrated charging infrastructure
  - Ensures assets/facilities are well maintained, used and useful
  - Mitigates the risk of insufficient maintenance, supplier bankruptcy or market exit
- Advances SB 350 goals and other state energy, environmental and transportation policies
  - Decarbonizes transportation sector
  - Integrates and promotes renewables
  - Reduces barriers to EV adoption
- Leverages Power Your Drive RFP process to qualify multiple vendors
  - Provides opportunity for growth of EVSP businesses
- Mitigates stranded asset risk:
  - Assets located to provide optimal customer benefit based on customer needs and commitments
  - Programs are customer-driven. Participants show commitment to using assets before infrastructure is installed by providing vehicles, easements, or allowing SDG&E to collect additional operational information through electric load research meters and data loggers.
- Utility owned meters ensures high quality data collection for asset utilization analysis

# Overview of Proposed Projects

Projects	Description	Budget	Lifetime GHG Reduction
<b>Priority Review (6 projects, Total \$18.2M)</b>			
MD/HD and Forklift Port Electrification	Conduct 30-40 installations that include a combination of components such as EVSE, circuit, load research meter and data logger.	\$2.4M	4,102 MTCO <sub>2</sub>
Electrify Local Highways	Install grid-integrated Level 2 and DCFC EVSE at 4 Caltrans locations (88 total public charging stations). Site selection based on DAC and new construction.	\$4.0M	2,663 MTCO <sub>2</sub>
Dealership Incentives	Incent dealerships to increase their knowledge and sales of EVs. 1500 incentives will be offered (\$250 to salesperson and \$250 to dealership).*	\$1.8M	
Fleet Delivery Services	Install grid-integrated charging infrastructure to support 90 delivery vehicles at approximately 6 locations.	\$3.7M	14,019 MTCO <sub>2</sub>
Green Taxi/ Shuttle/ Rideshare	Install grid-integrated Level 2 and DCFC EVSE at 5 locations (15 total public charging stations) to encourage the adoption of EVs in Taxi/Shuttle/Rideshare fleet (4 Taxis, 2 Shuttles, 50 TNCs). Other incentives are offered to maximize electric miles driven.	\$3.5M	12,032 MTCO <sub>2</sub>
Airport Ground Support Equipment	Install 45 charging ports to support 90 vehicles. Metering and data loggers on 15 existing charging ports.	\$2.8M	25,130 MTCO <sub>2</sub>
<b>Standard Application (1 Project, Total \$226M)</b>			
Residential Charging	SDG&E will own, install, and maintain Level 2 EVSE at single family homes and small multi-unit dwellings. In turn, the residential customer will be on a whole-house grid integrated rate.	\$225.9M	1,341,609 MTCO <sub>2</sub>

\*Dealership Incentives impacts are not listed due to likely overlap with other projects and programs

