

**DOCKETED**

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<b>Project Title:</b>	Senate Bill 350 Disadvantaged Community Advisory Group
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<b>Document Title:</b>	Item 5a. CPUC School Bus presentation
<b>Description:</b>	Presentation by the California Public Utilities Commission staff on School Bus Electrification Efforts
<b>Filer:</b>	Kristy Chew
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# CPUC SCHOOL BUS ELECTRIFICATION EFFORTS

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# Legislative Directives Prioritize Increased Access to Transportation Electrification and Environmental Benefits for DACs

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- SB 350
  - 740.12. (a) (1):
    - (C) Widespread transportation electrification requires **increased access for disadvantaged communities, low- and moderate-income communities**, and other consumers of zero-emission and near-zero-emission vehicles, and increased use of those vehicles in those communities and by other consumers to **enhance air quality, lower greenhouse gases emissions, and promote overall benefits to those communities** and other consumers.
    - (I) According to the State Alternative Fuels Plan analysis by the Energy Commission and the State Air Resources Board, light-, medium-, and heavy-duty vehicle electrification results in approximately **70 percent fewer greenhouse gases** emitted, over **85 percent fewer ozone-forming air pollutants** emitted, and **100 percent fewer petroleum** used. These reductions will become larger as renewable generation increases.
- AB 1082
  - 740.13. (a)
    - (h) An electrical corporation shall **prioritize** in its proposal **school facilities and other educational institutions located in disadvantaged communities...**
    - (b) ...the proposal may include parameters for the installation of charging infrastructure for transportation vehicles, such as **school buses**, owned by a school district, county office of education, private school, or other educational institution...



# SB 350 guides the CPUCs reviewal of the utility transportation electrification programs

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- SB 350's transportation electrification goals
- Requirements for the utilities SB 350 Proposals
- How the utilities are funding the transportation electrification programs
- Motivation for the electrification of the Medium & Heavy Duty transportation sector

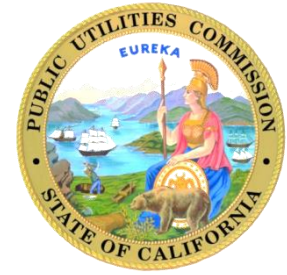


# CPUC has approved \$596 M for Utility Medium & Heavy Duty Transportation Electrification Programs

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- PG&E:
  - **FleetReady (\$236 M)**
  - **Electric School Bus Renewables Integration (\$2.2 M)**
- SCE
  - **MD/HD Make Ready (\$343 M)**
  - **Electric Transit Bus Make-Ready program (\$3.9 M)**
  - Port of Long Beach Rubber Tire Gantry Crane (\$3.0 M)
  - Port of Long Beach Terminal Yard Tractor (\$450,000)
- SDG&E
  - **MD/HD Infrastructure Program (\$107 M)\***
  - **V2G School Bus Pilot (\$1.7 M)\***
  - Airport Ground Support Equipment (\$2.8 M)
  - Port Electrification (\$2.4 M)
  - Fleet Delivery Services (\$3.7 M)
- Liberty
  - **AB 1082 Pilot Proposal (\$3.8M)\***

\* Pending Applications



# Up to \$585 M of the approved programs can assist in the electrification of school buses

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- PG&E
  - *Fleet Ready Program*
  - *School Bus Renewables Integration Pilot*
- SCE
  - *MD/HD Make Ready Program*
  - *Electric Transit Bus Make-Ready Pilot*
- SDG&E
  - *MD/HD Infrastructure Program*
  - *V2G School Bus Pilot*
- Liberty
  - *AB 1082 Pilot*



# Addressing the Electrification of School Buses in the new Transportation Electrification Framework (TEF)

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- What is the TEF?
- What might the TEF include?
  - Identify TE Targets
  - Answer Policy Questions
  - Guide IOU Applications
- How will School Buses and DACs be addressed?

# Questions?



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