

Porterville Transit Electrification

The City of Porterville's project is to commercially implement and administer at high concentration, ten zero-emission transit buses, at a single bus hub (Porterville Transit) and daily service on all nine routes of the Porterville Transit System for a period of 28 months. This project will demonstrate the practicality and economic viability of wide-spread adoption of zero-emission heavy-duty transit buses.



Project also includes the purchase and installation of one 200kW opportunity charging station at the Porterville Transit Center, 10 200kW overnight charging stations at the bus maintenance yard, 45kW PV system at the Porterville Transit Center and bus maintenance facility.

Dates: 12/05/2016 – Summer 2020
Grantee: City of Porterville
Partners: GreenPower Motor Company
San Joaquin Valley Air Pollution
Control District
Southern California Edison

Grant Amount:
CARB Contribution: \$9,516,422
Matching Funds: \$7,437,280
Project Total: \$16,953,702



Vehicles/Equipment Funded

- 10 GreenPower Motor Company EV350 Transit Buses
 - 430kW battery capacity
- 12 BTCPower Charging Stations
 - Modular Level 3 DCFC
 - 200kW
- ViriCiti Telematics
- In-plant Inspections during manufacturing phase

Lessons Learned

- Design and construction of charging station infrastructure much more complex than originally estimated.
- Operator behavior and environmental conditions have a large affect on the transit bus range.

Status Updates

- All 10 buses have been delivered
- Charging Station Facility has been completed
- Revenue service started March 1, 2020



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT