

Alameda County Transportation Services: Electric Vehicle Fleet Projects

EV Fleet Collaborative Project

Scope

- \$5M project/\$2.8M grant
- 10 Agencies
- 90 vehicles/chargers
- National demonstration

Funding

- CMAQ funding through the Metropolitan Transportation Commission



EV Corridor Project

- Alameda County purchased and installed 40 EV charging stations in the County
- Construction was completed in April, 2013
- Funding was received from the California Energy Commission (\$182,762) and the Bay Area Air Quality Management District (\$84,960) to offset the County's costs



Why EVs?

EVs and plug-in hybrid vehicles are less expensive to operate and significantly reduce or eliminate direct emissions. (See chart on right for cost comparison)

Vehicle	Fuel Cost	Avg. MPG	Cost/Mile	Cost/8,000 miles
Compact	\$4.50	27	\$0.16	\$1,280
Intermediate	\$4.50	21	\$0.21	\$1,680
Full Size	\$4.50	12	\$0.37	\$2,960
Hybrid	\$4.50	37	\$0.12	\$960
EV-Peak	\$0.15 per kWh	100 miles per charge	\$0.036	\$288
EV-Off Peak	\$0.08 per kWh	100 miles per charge	\$0.019	\$152



For more information see www.acsustain.org