

# COUNTY OF VENTURA GENERAL SERVICES AGENCY

## GSA Fleet Services Fleet Electrification Update

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GSA Deputy Director Fleet Services  
September 14, 2021



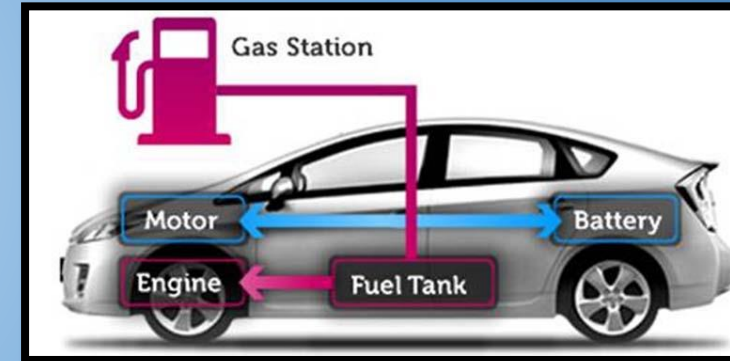
# What Fleet has Accomplished

## GSA Fleet Alternative Fuel Transition:

### Hybrid Vehicles:

- 2002: BOS Hybrid Vehicle Policy
- 2004: 1st hybrid vehicle in service
- 2007: 50th hybrid vehicle in service

To date, **194** hybrid vehicles have served County agencies



# GSA FLEET Alternative Fuel Transition

## Renewable Diesel

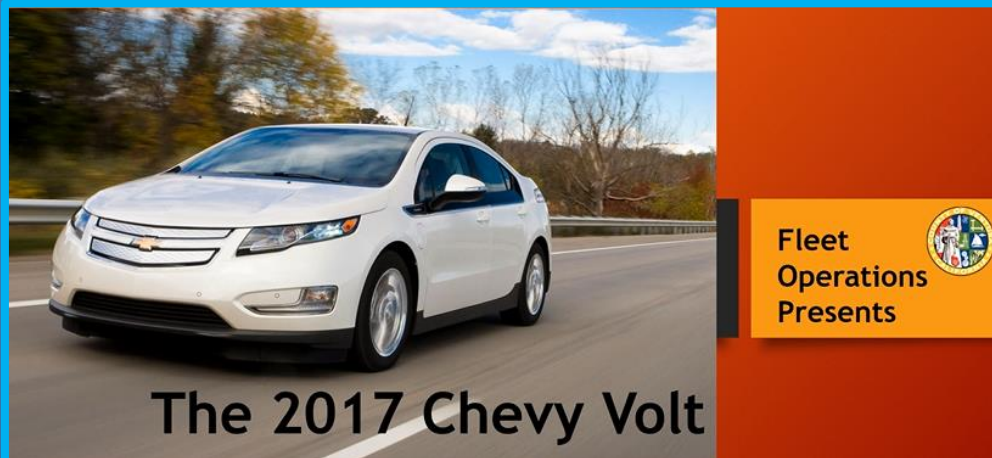
- 2016 - Transition to renewable diesel
  - ~ 80% reduction in greenhouse gas (GHG) emissions
  - Renewable diesel consumption to date: 892,340 gallons
- GHG reductions to date: 7,267 metric tons



# GSA FLEET Alternative Fuel Transition

## Electric Vehicles

- 2013: Electric Vehicle (EV) Introduction to Fleet
  - **3 Ford Focus EVs**
- 2017: Central Motor Pool Expansion
  - **11 Chevrolet Volt Plug-in Hybrid Electric Vehicles (PHEV)**



# GSA FLEET Alternative Fuel Transition

## Electric Vehicles

- 2019: GSA Fleet EV Transition Strategy (BOS APPROVED)
  - *PHASE I:*
    - Central Motor Pool (CMP) Expansion
    - **14 Chevrolet Bolt EVs**

GSA Fleet Services EV Strategy: Phase I CMP Expansion; SCE ChargeReady1 (CR1) Program

EV EXPANSION ELEMENTS	DESCRIPTION	COUNT	EA.	GENERAL FUND CONTRIBUTION
EVs	2020 CHEVROLET BOLT EVs	14	\$4,500	\$63,000
INFRASTRUCTURE	EV CHARGING STATIONS	14	\$5,976	\$83,668
	GENERAL FUND TOTAL CONTRIBUTION:		\$10,476	\$146,668
SCE	ELECTRICAL SUPPLY INFRASTRUCTURE CONTRIBUTION			\$327,000
TOTAL PHASE I EV EXPANSION VALUE:				\$473,668



# July 23, 2019 BOS-Approved Strategy

## Targeted – Measured – Phased Approach

- FLEET ANALYSIS
  - Vehicle Type
  - Vehicle Location
- EV SELECTION CRITERIA
  - High Utilization – Market Availability
- COST/BENEFIT ASSESSMENT
  - Reduced GHG – Total Cost of Ownership

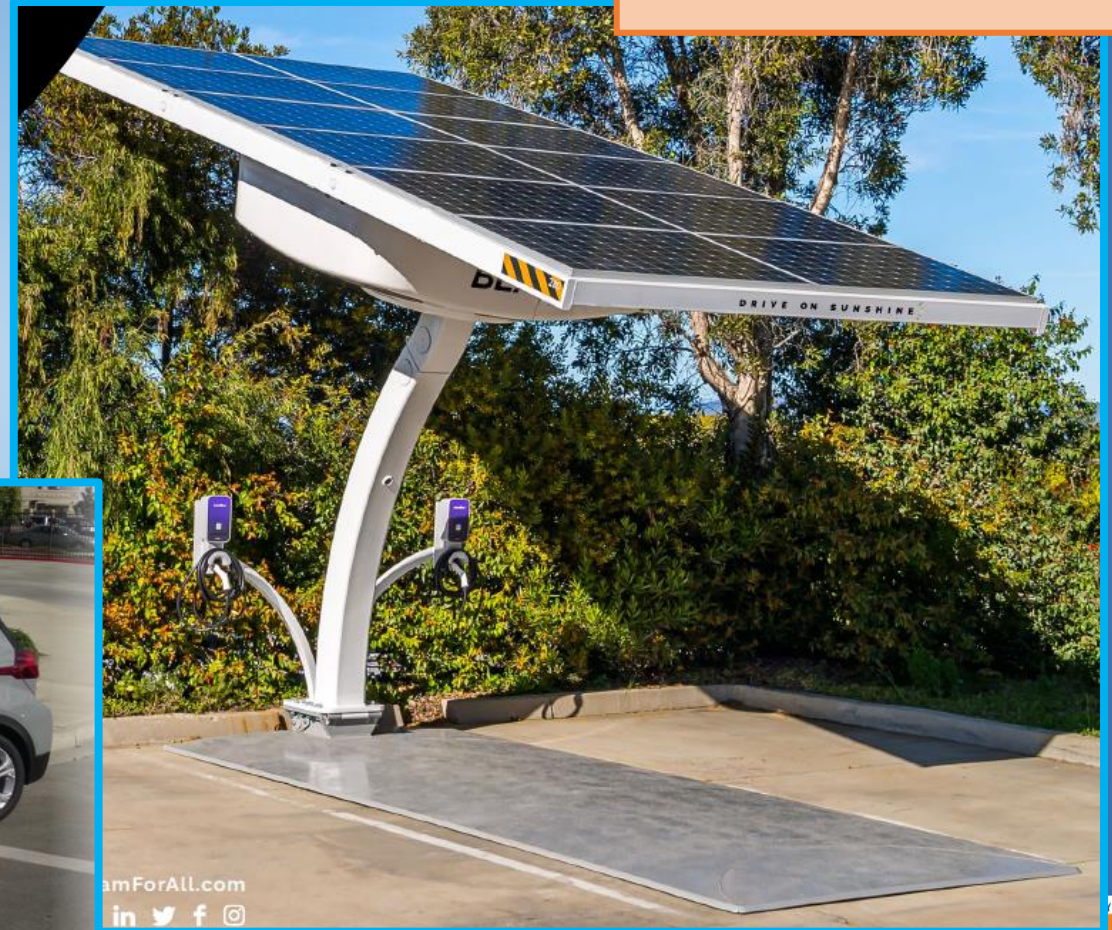
# Green Results

- NAFA 2021 Green Fleet Awards Ventura County as the #29 Greenest Fleet in the Country!



# Request BOS Approval & Grant Acceptance

## PHASE II: Vehicles and Solar Chargers



# Request Board Approval to Accept Grant GSA Fleet EV Transition Strategy

## PHASE II: Remote Motor Pool (RMP) EV Expansion

- 18 Chevrolet Bolt EVs = \$ 603,235
- 9 Dual-Port Solar Charging Stations = \$ 669,581
  - **RMP EV Expansion Total Cost** = **\$1,272,816**
  - Grant Funding: \$ 949,549
  - GSA Fleet Match: \$ 323,267
- GSA Fleet match will be paid for with replacement proceeds from the 18 outgoing vehicles.

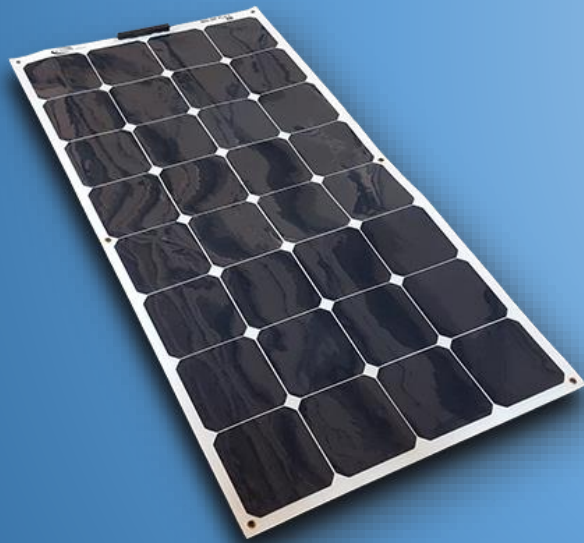
GRANT: California Electric Commission (CEC)/  
Ventura County Regional Energy Alliance (VCREA)



Where Fleet is Going

## Idle Reduction Project Pilot:

- To reduce GHG emissions and engine wear from Tahoe patrol vehicles parked idling
- Pilot Grant: Caltrans/Ventura County Transportation Commission (VCTC)



## Southern California Edison (SCE) Charge Ready 2 Program

- Construction and funding of EV charging infrastructure
- Currently working on proposal with CEO Sustainability Division and GSA Facilities
- Requires cost-sharing funds from the General Fund



14 Chevrolet Bolts and charging infrastructure added to Central Motor Pool via Charge Ready 1



# Funding Opportunities:

- CALeVIP – South Central Coast Incentive Project
  - Provides rebates on approved charging stations and charging infrastructure cost
- Federal Tax Credits for EV/PHEV
  - Provides rebates on approved EV purchases
- **Potential** Federal Sources for EV Infrastructure Funding (being investigated)
  - FEMA FY2021 *Building Resilient Infrastructure Communities (BRIC)* - \$990M
  - Infrastructure bill (pending in congress) - \$7.5B
    - Grants: “...to build nationwide network of charging stations over the next 5 years”

GSA Fleet will continue to pursue funding opportunities

# Funding Opportunities:

- **Potential Federal Sources for EV Infrastructure Funding**  
(being investigated)
  - FEMA FY2021 *Building Resilient Infrastructure Communities (BRIC)* - \$990M
    - Includes a new priority to enhance climate resilience and adaptation
      - Solar EV chargers on FEMA authorized equipment list
  - Infrastructure bill (pending in congress) - \$7.5B
    - Grants: “...to build nationwide network of charging stations over the next 5 years”
      - Covers up to 80% of project costs
- **GSA Fleet will continue to pursue funding opportunities**

# Challenges to EV Adoption

## Internal

- Upfront infrastructure costs
- Infrastructure construction timelines
- Infrastructure upgrade issues at leased facilities
- County employee adoption of EVs
- Unknown solutions for heavy equipment and large trucks
- Current operational limitations for police and public safety

## External

- Potential CARB regulations
- Large increase in price per vehicle
- Infrastructure construction timelines
- Current limited market offerings for EVs
- Unknown solutions for heavy equipment and large trucks
- Current operational limitations for police and public safety



Speaker's Box

QUESTIONS or COMMENTS?