Attachment 2

Zero Emission Vehicle Policy Presentation

COUNTY OF SANTA BARBARA
GENERAL SERVICES

County of Santa Barbara

Zero-Emission Vehicle Policy And Fleet Electrification Update

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ZEV Policy

Policy is Intended to:

- **V** Support County Climate Action Plan.
- **V** Improve air quality.
- **V** Replace end of life internal combustion engine vehicles with zero-emission, all-electric non-public safety sedans, SUVs, light duty pickups, and vans.
- **V** First option priority for the County fleet even if comparable fossil fuel vehicles cost less to purchase.

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ZEV Policy

General Services' Vehicle Operations will:

- Seek rebates and grants to purchase ZEVs and charging infrastructure.
- Implement the installation of charging infrastructure to support the annual purchase of ZEVs.
- Test, evaluate, and, when feasible, acquire ZEVs for medium and heavy-duty vehicle classes.

150 to 200 existing combustion engine light duty vehicles in the County fleet will reach end of life over the next 2-5 years.

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ZEV Policy

Exemptions to purchasing a ZEV include:

1) No viable ZEV option is available for purchase in the current vehicle market.

2) ZEV doesn't meet functional operational requirements, such as:
   a) Rated towing capacity or payload;
   b) Maximum required daily mileage or operating hours;
   c) Specialized functionality or utilization needed;
   d) Necessary emergency vehicle capabilities or emergency response functions. Will work with Public Safety partners to explore options.

3) No fueling infrastructure access for the ZEV is available or planned to be completed within 12 months

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ZEV Policy

- **Exemption must be authorized by Vehicle Ops and CEO**
- **Options if an exemption to purchasing a ZEV is requested, Department options are as follows:**

1. **Defer purchasing a new vehicle if a ZEV market option will be available and/or infrastructure will be installed in less than two years.**
2. **Lease or purchase a plug-in electric hybrid vehicle if available in the market.**
3. **Lease or purchase a hybrid-electric fuel vehicle if available in the market.**
4. **Lease or purchase an internal combustion engine powered vehicle.**

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EV Charging Infrastructure

1) General Services Vehicle Operations and Capital Projects Divisions to assess:
   a) Optimal locations of EV charging stations;
   b) Optimal type of charger;
   c) Ability to share chargers with other vehicles;
   d) Charger funding and financing options; and
   e) Anticipated costs and timelines to install an EV charger in support of the vehicle.

EV Charging Station Infrastructure Replacement Fund established to fund the costs to replace EV chargers and infrastructure at end of life. Funded with revenues collected from the public or employees who utilize the EV chargers.

State of the Electric Vehicle Program

Electric Vehicles

Only 4% of North American car production is currently electric.

The following models are, or projected to be coming, on the market over the next few years and will be considered for County purchase:

EV Sedans:

Chevy Bolt (60 currently in the fleet)

Nissan Leaf (30 on order for the fleet)

Hyundai Kona Electric

State of the Electric Vehicle Program

Electric Pickup Trucks:

Ford F-150 Lightning (Expected: 2023) currently two reserved

Chevrolet Silverado EV (Expected: 2023) currently two reserved

GMC Sierra EV (Expected: 2023-24)

Ram 1500 EV (Expected: 2024)

State of the Electric Vehicle Program

Electric SUVs:

Ford Explorer EV (Expected: 2025)

Chevrolet Blazer EV (Expected: 2024)

Chevrolet Equinox EV (Expected: Late 2023)

State of the Electric Vehicle Program

Electric Vans:

Ford E-Transit (Delivery: 2023)

Nissan Townstar

Chrysler Pacifica Electric (Expected: 2025)

Sites and quantities determined after surveying Departments' needs.

EV Charging Infrastructure

Currently the County has 127 EV chargers installed at 13 sites

Existing Locations	Existing Level 2 Chargers as of Oct. 2022	Existing DC Fast Chargers)
Foster Road Yard – Santa Maria Fleet Garage	4	
Foster Road Public Works	2	
Betteravia Campus	4	
Public Health Dept. - Lompoc	22	
Santa Barbara Admin Parking Lot	30	2
Santa Barbara APCD - Calle Real	6	
South County Jail - Calle Real	2	
Public Health – Calle Real	29	4
Social Services – Calle Real	16	
Santa Barbara GS Road Yard - Calle Real	4	
Isla Vista Solar Parking Lot - Embarcadero	4	
Lookout Park along the 101	2	
Rincon County Park along the 101	2	
Total	121	6

State of the Electric Vehicle Program

EV Charging Infrastructure

Plan to install another 122 EV chargers at existing sites

Existing Locations	Planned Additional Level 2 Chargers 2-4 Year Outlook
Foster Road Yard – Santa Maria Fleet Garage	10
Foster Road Public Works	20
Betteravia Campus	60
Public Health Dept. - Lompoc	
Santa Barbara Admin Parking Lot	
Santa Barbara APCD - Calle Real	
South County Jail - Calle Real	6
Public Health – Calle Real	20
Social Services – Calle Real	
Santa Barbara GS Road Yard - Calle Real	6
Isla Vista Solar Parking Lot - Embarcadero	
Lookout Park along the 101	
Rincon County Park along the 101	
Total	122

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State of the Electric Vehicle Program

EV Charging Infrastructure

Plan to install another 44 EV chargers installed at new sites

Planned New Locations	Planned Additional Level 2 Chargers
Calle Real (Public Works Yard)	4
Foster Road Animal Shelter	2
Fire Sta 27 New Cuyama	2
County Emergency Operations Center	6
New Probation Headquarters	14
SB County - Northern Branch Jail	10
Lompoc Road Yard	6
Total	44