

COUNTY OF SANTA BARBARA
GENERAL SERVICES

County of Santa Barbara Fleet Electric Vehicle Project

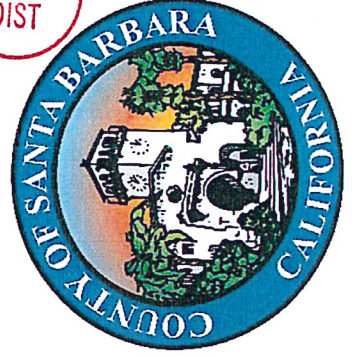
Update

February 25, 2020

COUNTY OF SANTA BARBARA,
CLERK OF THE
BOARD OF SUPERVISORS

2020 FEB 21 AM 9:00

LATE
DIST



GENERAL SERVICES

REPLACEMENT # 1
DATE 2/21/20 TIME 9am

1

Previous Board Direction – March 2019

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- That the purchase of all new non-public safety sedans in the light duty fleet be electric vehicles and to return to the Board in 12 months with a report.
- Explore opportunities to incentivize County employees to utilize electric vehicles.



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Summary

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These actions today, will initialize the County's Electric Vehicle Program.

- Update on purchase of electric vehicles
- Authorize the purchase of electric vehicle charging station equipment
- Authorize the use of the Board's General Fund Contingencies to fund the installation for the electric vehicle charging stations at locations in downtown Santa Barbara and the Calle Real campus
- Authorize the use of the Board's General Fund Contingencies to fund a grant match for the purchase and installation of chargers in Lompoc.

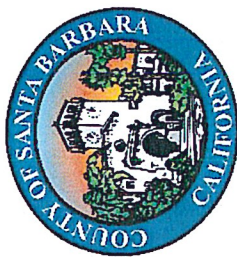


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The Existing County Fleet

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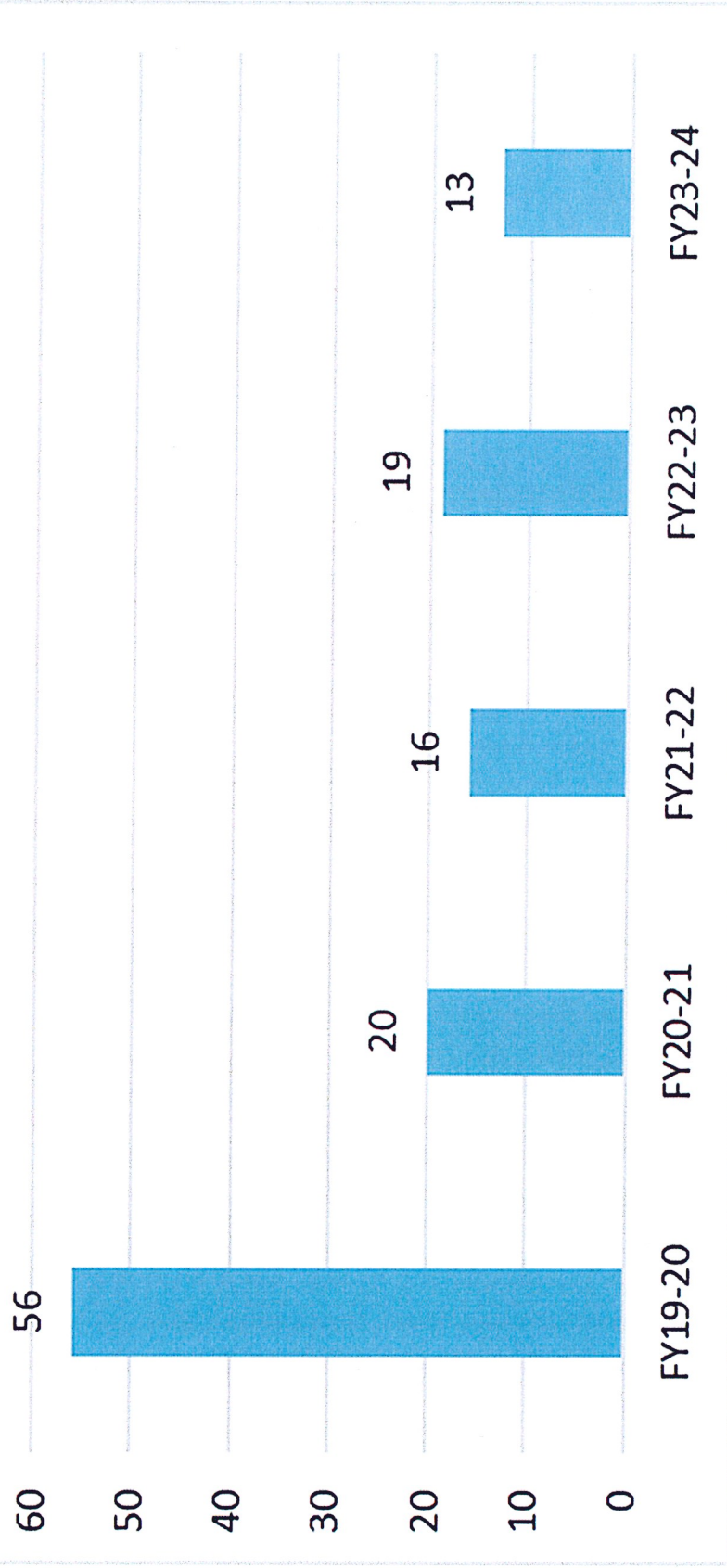
- 1449 total pieces of equipment
- 965 of those are “light duty” vehicles (includes pickups and sedans)
- 240 of those are non-public safety gasoline powered sedan passenger vehicles
- 124 of the 240 gas powered vehicles will reach the 100,000 mile threshold in the next five years and eligible for replacement
- 56 vehicles will be replaced this spring / summer



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Five Year Plan

Vehicles Expected to be Replaced When They Reach 100,000 miles



Electric Vehicle Purchase Update

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- Bids opened January 14th - successful bidder Rio Vista Chevrolet (local vendor)
- Price per vehicle (Chevy Bolt) after average rebate - \$27,200
- 50 motor pool vehicles and six department assigned vehicles will be purchased (total of 56 Bolts)
- For the six assigned vehicles, departments will absorb the additional cost of the EVs over what has been accumulated in the Fleet Replacement Fund - \$37,200 for all six vehicles combined
- For the 50 Motor Pool vehicles the higher cost EVs will be funded proportionally by an initial capital infusion from Departments that utilize those pool vehicles.
- Dealer will offer County of Santa Barbara employee discounts

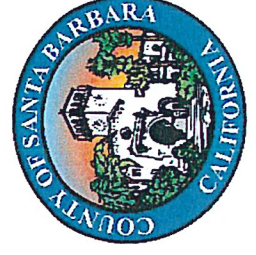


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Electric Vehicle Purchase

Fiscal Impact to Departments

| Electric Vehicle Purchase | # of Vehicles | Total Cost | Less Fleet Reserve Replacement Fund \$'s | Less Rebate \$'s | Less User Department Contributed \$'s | Net Cost |
|-----------------------------------|---------------|--------------------|--|--------------------|---------------------------------------|------------|
| Total Motor Pool EVs | 50 | \$1,475,000 | (\$1,050,000) | (\$115,000) | (\$310,000) | \$0 |
| <i>Probation</i> | <i>1</i> | <i>\$29,500</i> | <i>(\$21,000)</i> | <i>(\$2,300)</i> | <i>(\$6,200)</i> | <i>\$0</i> |
| <i>Public Health</i> | <i>1</i> | <i>\$29,500</i> | <i>(\$21,000)</i> | <i>(\$2,300)</i> | <i>(\$6,200)</i> | <i>\$0</i> |
| <i>Planning & Development</i> | <i>2</i> | <i>\$59,000</i> | <i>(\$42,000)</i> | <i>(\$4,600)</i> | <i>(\$12,400)</i> | <i>\$0</i> |
| <i>Behavioral Wellness</i> | <i>1</i> | <i>\$29,500</i> | <i>(\$21,000)</i> | <i>(\$2,300)</i> | <i>(\$6,200)</i> | <i>\$0</i> |
| <i>Social Services</i> | <i>1</i> | <i>\$29,500</i> | <i>(\$21,000)</i> | <i>(\$2,300)</i> | <i>(\$6,200)</i> | <i>\$0</i> |
| Total Assigned EVs | 6 | \$177,000 | (\$126,000) | (\$13,800) | (\$37,200) | \$0 |
| Total Electric Vehicles | 56 | \$1,652,000 | (\$1,176,000) | (\$128,800) | (\$347,200) | \$0 |



Recommendation a) – Purchase EV Charging Equipment

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- RFP for charging equipment and software & services issued and successful respondent was PowerFlex Systems, LLC
- PowerFlex to provide sixty-eight (68) level 2 chargers, three DC fast chargers, software, electric vehicle controllers and on going services
- In return, they will take ownership of the County’s Low Carbon Fuel Credits generated from the 71 chargers for a period of five years
- PowerFlex will also warrant and maintain the equipment for the five year period
- Estimated value of this transaction is approximately \$500,000 for the chargers and all parts and services
- County owns all equipment from day one

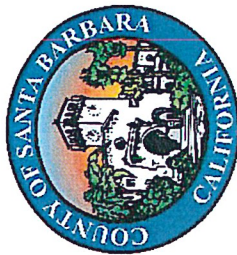


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Recommendation b) – Installation of EV Charging Equipment

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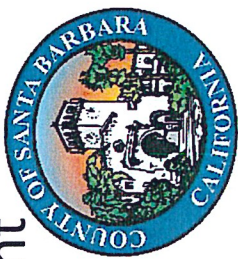
- Engineering design of the EV charging equipment is underway
- Estimate for design & installation of 71 PowerFlex chargers is \$698,000, which is being requested from GF Contingencies
- Locations include the Admin parking lot in downtown Santa Barbara and Public Health and Social Services parking lots at Calle Real
- Charging priority will be given to the 56 County electric vehicles
- Where possible, chargers will be placed so that employees and the public have access to charge their personal vehicles
- Installation will be bid soon once the design is complete



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Recommendations c) & d) – Lompoc EV Charging Equipment Grant ¹⁰

- County has applied for a \$148,029 Electric Vehicle Charging Station Infrastructure Program Grant from the Santa Barbara County Air Pollution Control District (APCD)
- Fund the purchase and installation of 16 EV chargers at the County's Lompoc Campus
- Total project cost including hardware, software, and installation is \$200,837
- Requesting funding from GF Contingencies for the grant match of \$52,808
- If approved, authorize the Chair to execute the grant agreement with APCD



Project Next Steps

- Finalize design and generate construction documents for bid
- Finalize parking policy and rate structure for charging/parking for public and employees and return to the Board for approval
- Develop EV education plan for employees
- Place order with local vendor for the Chevrolet Bolts

Future

- Betteravia Solar Project includes charger installations
- Expect to replace 20 gasoline vehicles with EVs next year



Recommended Actions

- a) Approve contract with PowerFlex for charging equipment for the Admin lot and Calle Real
- b) Approve funding in the amount of \$698,000 from GF Contingencies for the engineering design and installation of 71 vehicle chargers
- c) Approve funding in the amount of \$52,808 from GF Contingencies for the County's contribution to an APCD grant for the purchase and installation of 16 EV chargers at the County's Lompoc Campus
- d) Subject to approval of recommendation c), approve and authorize the Chair to execute the APCD grant
- e) Find that this project is exempt from CEQA

