

COUNTY OF SANTA BARBARA  
GENERAL SERVICES

# County of Santa Barbara Fleet

## Electric Vehicle Project

### Update

February 25, 2020



GENERAL SERVICES

## 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.



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
- Provide authorization to fund and proceed with installation for the electric vehicle charging stations at locations in downtown Santa Barbara and the Calle Real campus
- Provide authorization to fund a grant match for the purchase and installation of chargers in Lompoc.



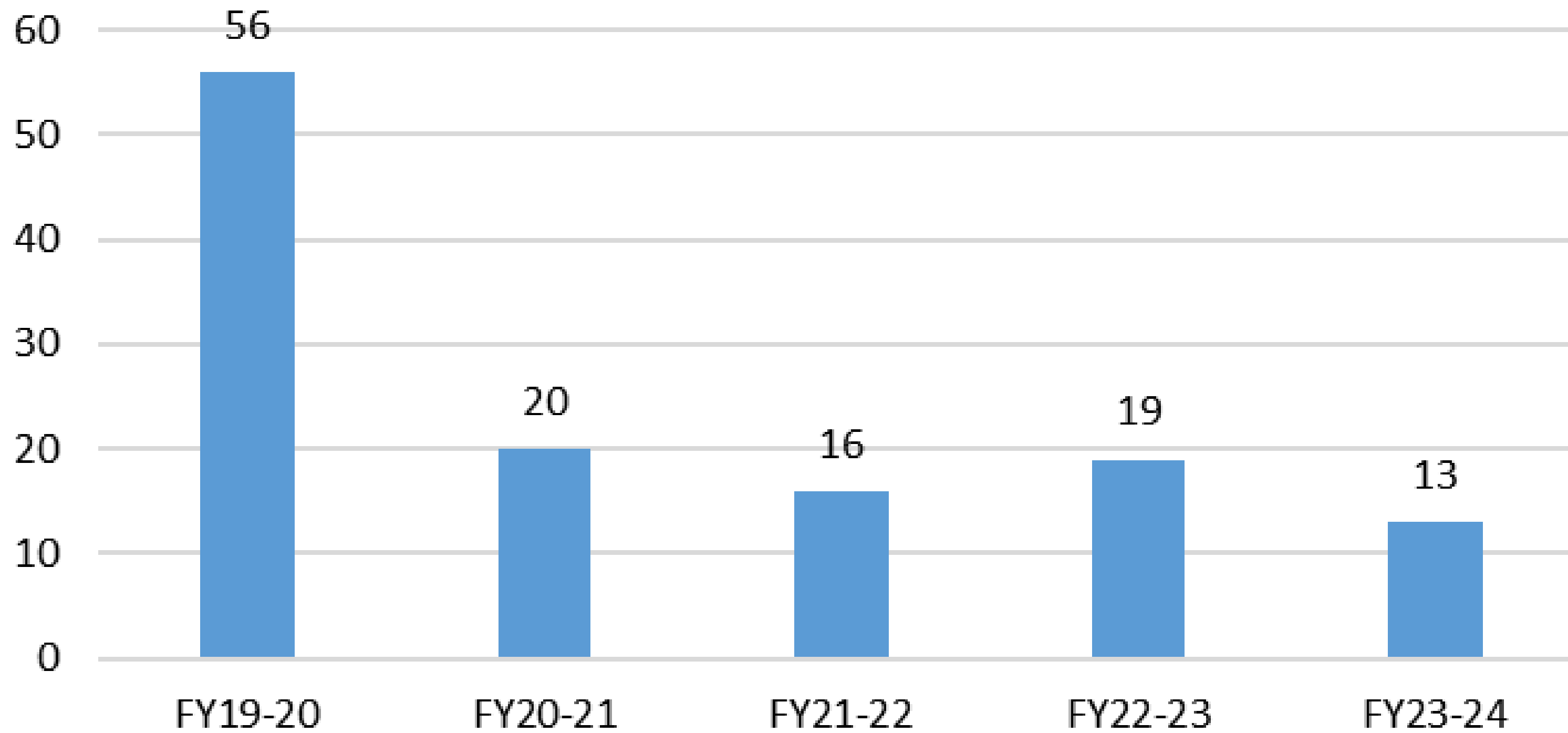
# The Existing County Fleet

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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



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



# Electric Vehicle Purchase Update

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- Bids opened January 14<sup>th</sup> - 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



## *Fiscal Impact to Departments*

<b>Electric Vehicle Purchase</b>	<b># of Vehicles</b>	<b>Total Cost</b>	<b>Less Fleet Reserve Replacement Fund \$'s</b>	<b>Less Rebate \$'s</b>	<b>Less User Department Contributed \$'s</b>	<b>Net Cost</b>
<b>Total Motor Pool EVs</b>	<b>50</b>	<b>\$1,475,000</b>	<b>(\$1,050,000)</b>	<b>(\$115,000)</b>	<b>(\$310,000)</b>	<b>\$0</b>
<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 &amp; 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>
<b>Total Assigned EVs</b>	<b>6</b>	<b>\$177,000</b>	<b>(\$126,000)</b>	<b>(\$13,800)</b>	<b>(\$37,200)</b>	<b>\$0</b>
<b>Total Electric Vehicles</b>	<b>56</b>	<b>\$1,652,000</b>	<b>(\$1,176,000)</b>	<b>(\$128,800)</b>	<b>(\$347,200)</b>	<b>\$0</b>



## 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





## 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
- 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



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

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- 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 for the grant match of \$52,808
- If approved, authorize the Chair to execute the grant agreement with APCD



- 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

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- a) Approve contract with PowerFlex for charging equipment for the Admin lot and Calle Real
- b) Approve funding in the amount of \$698,000 for the engineering design and installation of 71 vehicle chargers
- c) Approve funding in the amount of \$52,808 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

