



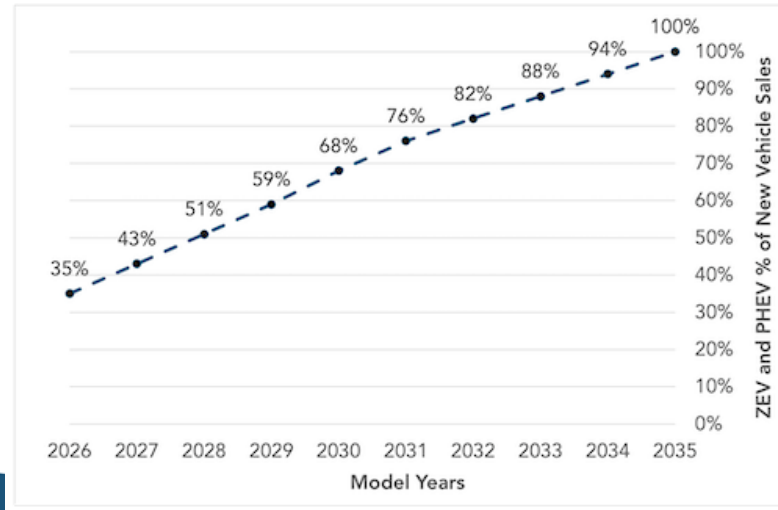
12/11/2024

Consideration to Authorize the General Manager to Amend the Green Fleet Plan Replacement Schedule, Perform a Fleet Optimization Study and to Purchase Three Replacement Vehicles

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Director of Engineering and Operations

Overview

- State of California Executive Order N-79-20
 - CARB – Advance Clean Cars II Regulation
 - Applies to new vehicle sales and car manufacturers



☐ CARB – Advance Clean Fleet Regulation

- Applies to all State and local government fleets, including city, county, special district, and State agency fleets. All vehicles weighing 8,501 pounds or greater must meet deadlines.

Alternatives:

1. Model Year Schedule



2. ZEV Milestones Option

- Provides greater flexibility of phasing in ZEV's

ZEV Fleet Milestones by Milestone Group and Year					
% of Vehicles that Must be Zero Emission	10%	25%	50%	75%	100%
Milestone Group 1 Box trucks, vans, buses with two axles, yard tractors, light-duty package delivery vehicles	2025	2028	2031	2033	2035 and beyond
Milestone Group 2 Work trucks, day cab tractors, buses with three axels	2027	2030	2033	2036	2039 and beyond
Milestone Group 3 Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042 and beyond



Authority Inventory

Total 93 Vehicles including heavy equipment

- Currently 47 rated Class 2b or greater (>8,501 pounds).
- Will drop to 45 with vehicles scheduled for auction, because their replacements have been purchased with prior Board approval.

With the exception of the Vactor Truck and NO-DES Flushing Truck, all Class 2b vehicles fall under Milestones Group 2.



Recommended Replacement Schedule

Year	10%	25%	50%	75%	100%	Total
2027	5					5
2030		+7				12
2033			+11			23
2036				+11		34
2039					+11	45



Green Fleet Plan

- The Green Fleet Plan Replacement Schedule was approved by the Board on August 25, 2021.
- The Advanced Clean Cars II Regulations became effective November 30, 2022.
- The Advanced Clean Fleet Regulations became effective October 1, 2023.
- Staff is recommending to amend the Green Fleet Plan Replacement Schedule to better align with mandates from CARB.
- Allows more flexibility in replacement of light duty vehicles.
- Amended Green Fleet Plan is meant to be a fluid document that can be updated as more data is available.



Fleet Optimization Study

- Staff recommends issuing a Request For Proposals to prepare a Fleet Optimization Study conducted by a consultant.
- This study could include potential downsizing of current vehicles, replacing vehicles with different makes/models to better align with operational needs, and identifying unnecessary vehicles for removal from fleet.



Vehicles Recommended for Replacements before Study

<u>Current Vehicle</u>	<u>Use of Vehicle</u>	<u>Replacement Options</u>	<u>Reason(s) for Replacement</u>	<u>Costs Based on Quotes from Chula Vista Ford</u>
12-13 Ford F250	Operations Field Crew Supervisor Truck	F-150 Lightning with extended battery	1	\$ 60,517.63
		F-150 Internal Combustion Engine (ICE)		\$ 47,758.84
		F-150 Hybrid		\$ 67,665.65
08-61 Chevy Colorado	Principal Environmental Specialist-Biology	F-150 Lightning with extended battery	2 & 3	\$ 60,517.63
		Ford Ranger ICE		\$ 41,320.78
		F-150 Hybrid		\$ 67,665.65
10-64 Ford Escape	Facility Maintenance Staff	F-150 Lightning with extended battery	1 & 2	\$ 60,517.63
		Ford Ranger ICE		\$ 41,320.78
		Maverick Hybrid		\$ 30,007.03

All vehicles are past their optimal timing replacement based on their life cycle cost. Reasons for replacement:

1. High mileage, age, and idle run times
2. Major corrective maintenance costs
3. Ongoing problematic electrical and mechanical issues

Options in bold are staff's recommended replacement vehicles



Fiscal Impact

Vehicle Replacement Program	
Vehicle Replacement Fund balance ⁽¹⁾	\$1,273,001.69
Less unspent funds for Operations Center & Perdue Charging stations	<172,039.00>
Adjusted Vehicle Replacement Fund balance	\$1,100,962.69
Less proposed vehicle purchases ⁽²⁾	<131,845.44>
Less 10% Contingency	<13,200>
Fund balance after proposed purchases	\$ 955,917.25
(1) Balance as reported on the July 31, 2024 Treasurer's Report	



Options and Staff's Recommendation

1. Authorize the General Manager to:
 - a) Amend the Green Fleet Plan Replacement Schedule to better align with mandates from the California Air Resources Control Board,
 - b) Direct staff to prepare and issue a Request for Proposals to perform a Fleet Optimization Study, and
 - c) Approve the purchase of three replacement vehicles from Chula Vista Ford for a not-to-exceed amount of \$131,845.44.
 - d) Allocate a contingency in the amount of \$13,200 for potential cost increases at the time of vehicle purchases.

2. Other direction as determined by the Board.

Staff recommends Option 1



Questions ?

