



Electric Mobility Roadmap Update

Feb 1, 2021

Transportation & Environment Committee

Presenters: Laura Stuchinsky (DOT) and Walter Lin (PW)

Panelists available: Emily Breslin (DOT), Dave Mesa (PW), and Zackary Struyk (SJCE)

Four Primary Strategies:



Council Directives

1. EV/Financial counseling workshops
 - Fall 2020
2. E-Car share pilot in affordable housing
 - Letter of support for grant proposal
3. E-school bus pilot
 - Letter of support for grant proposal
4. Green fleet policy & replacement plan
 - To Council Spring 2021
5. One-way vehicle- sharing ordinance
 - To Council Spring 2021
6. EV car sharing incentives
 - Incorporated into one-way vehicle-sharing proposal

EV Charging

➤ EV Charge Network Program: 112 ports

- Happy Hollow Zoo
- Police Headquarters
- Mabury Yard
- South Yard

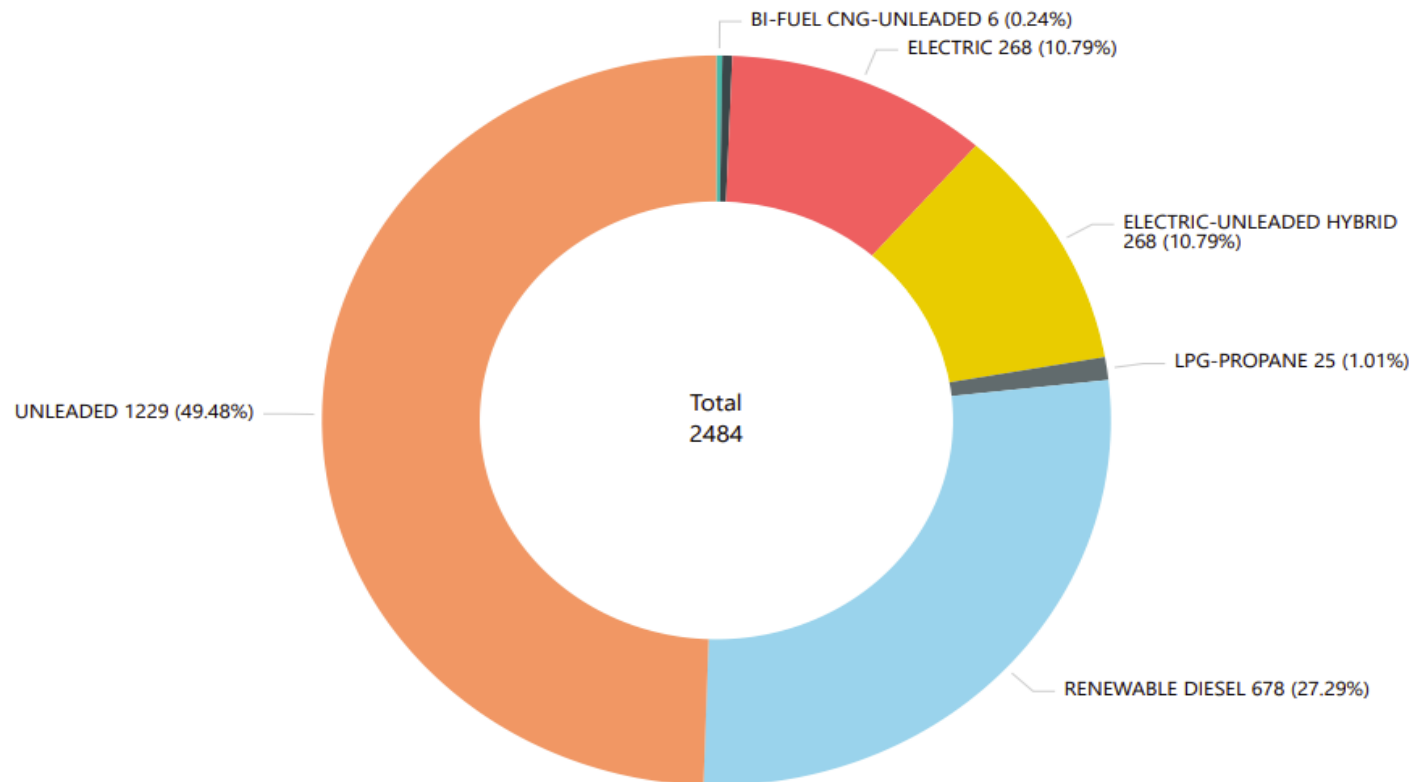
➤ CALeVIP

- \$7 M fast chargers
- \$4 M Level 2
- More than 25% in disadvantaged and low-income communities



Greening the Fleet

Total Fleet Count and Percentage by Fuel Type



FY 20-21 Replacement Plan

Current Non-EV inventory	2,216
EV replacements scheduled	19
Total annual replacement allocation	\$10,290,000
Portion spent on EVs	\$ 692,000



Fleet Conversion Strategy

<i>Vehicles left to convert (Total: 2,197)</i>	Cost to convert	Current annual replacement allocation	Years to convert with current allocation
Light-duty sedans & SUVs	\$13,500,000	\$0	Unknown
Light duty trucks & vans	Not currently available	\$0	Unknown
Medium & heavy duty trucks	Not currently available	\$0	Unknown
Off-road & stationary equipment	Not currently available	\$0	Unknown

Expanding EV Ownership

➤ Drive Electric

- Discounts up to \$3k
- Combine with local, state & fed incentives= \$13k-\$17k additional savings

➤ Drive Forward

- 65 people attended workshops
- Majority very low-moderate income
- 40% of survey respondents said they were likely to buy an EV

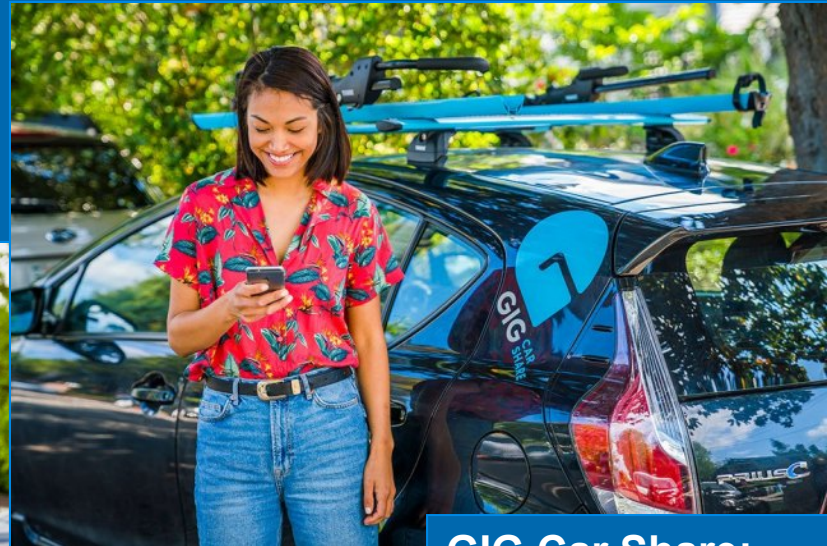


One-Way Shared-Vehicles



Revel:

Oakland, Berkeley, San Francisco, NYC, Miami, & Washington DC



GIG Car Share:

Oakland, Berkeley, Albany, Alameda, San Francisco, Sacramento, & Seattle

Proposed: One-Way Shared-Vehicles

Authorize DOT Director to:

1. Issue permits to park in metered/restricted areas for up to 72 hours
 - No Residential Permit Parking zones unless neighborhood opts in
 - Operators must pay meter fee
2. Establish terms and conditions for permit



Questions?

