

FLEET PRESENTATION AND STRATEGIES FOR ZERO EMISSION VEHICLES

General Services Department

Economic Development, Placemaking
and Branding/Marketing Committee

August 18, 2022

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1

WHAT WE DO

Fleet Management

City fleet maintenance and repairs

Vehicle acquisition

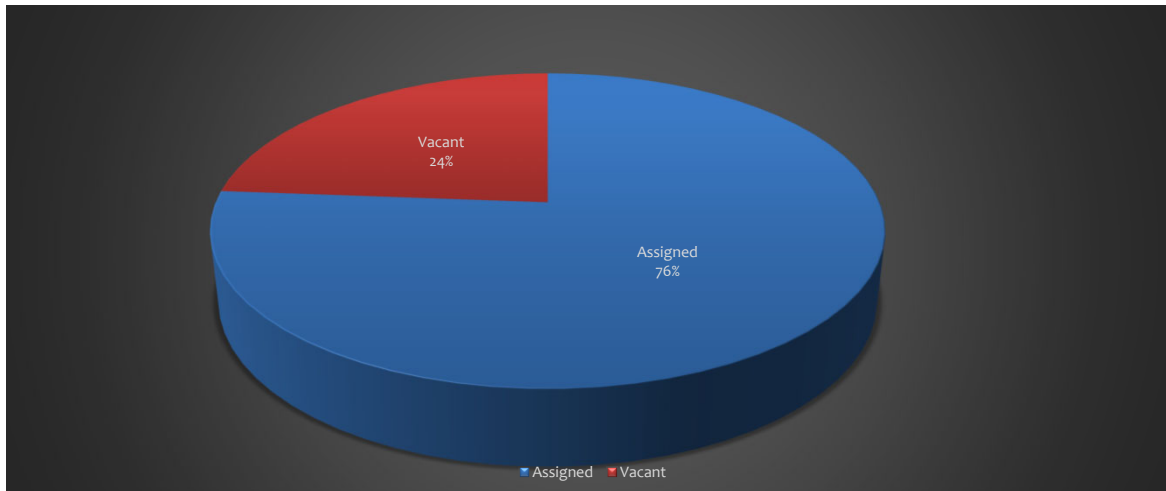
Provide alternative fueling options for the City and public



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2

FLEET DIVISION HAS 42 APPROVED FTE'S



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3

MEASURE Z INITIATIVE



Four mechanics dedicated for Public Safety Fleet Maintenance:

- Two Police Mechanics
- Two Fire Mechanics



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4

CITY OF RIVERSIDE CORPORATION YARD



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5

MAIN FUEL ISLAND



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6

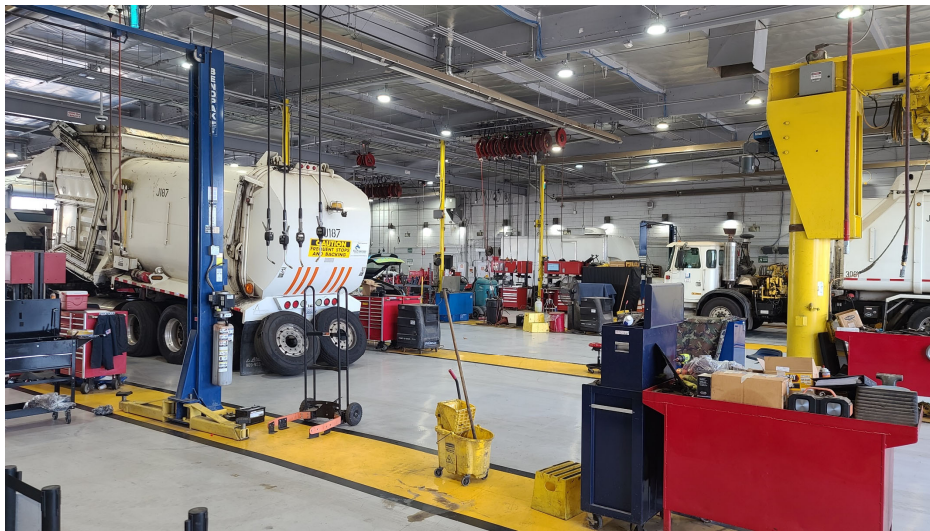
NEW FUEL ISLAND



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7

CENTRAL GARAGE



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8

FIRE MAINTENANCE



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9

SPECIAL TRANSIT



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10

DISCUSSION

Regulations will affect Riverside's fleet of vehicles:

1. Advanced Clean Fleet Regulations (from California Air Resources Board)

- a. Starting January 1, 2024: 50% of new medium to heavy duty vehicles purchased by fleet operators must be Zero Emission Vehicles (ZEV)
- b. Starting January 1, 2027: 100% of new medium to heavy duty vehicles purchased by fleet operators must be ZEV
- c. Emergency vehicles are excluded from the regulation

2. 100% of new light-duty vehicles sold in California must be zero emissions by 2035 by Governor's Executive Order (September 23, 2020)

- a. All new light duty vehicle manufacturers, covering new sedans, sport utility vehicles (SUV), and pickups, are required to phase out gasoline-powered cars and trucks in California.
- b. Requires 100% of in-state sales of new passenger cars and trucks are to zero-emission by 2035



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11

CHALLENGES

1. Funding

- a. Vehicles: particularly medium and heavy-duty vehicles that do not have a replacement plan
- b. Fueling infrastructure including EV Chargers and hydrogen fueling stations
- c. Upgrades to the electric distribution system to support additional electrical load (if needed)

2. Availability of ZEVs

- a. Vehicle availability is unclear due to supply chain issues
- b. Vehicle models that support specialized uses and run-times within the proposed state time constraints is also not clear

3. Workforce and training

- a. As vehicle technologies change, staff will need to be retrained in order to support the new ZEV fleets
- b. Staff needs to be versed in all technologies in order to support the fleet vehicle needs
- c. The number of staff needed to support the vehicles may also change over time

4. Resiliency of the fueling infrastructure

- a. It will take time and money to develop out the resiliency of electricity and hydrogen fuels



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12

NEXT STEPS

- 1. Develop a Fleet and Fueling Infrastructure Transition Plan**
 - a. Work with all city departments, include RPU to develop a fleet needs and fueling strategy for all City vehicles
- 2. Update the Vehicle Replacement Program**
 - a. Ensure the replacement program supports ZEVs
 - b. Expand the program to include medium and heavy-duty vehicles
- 3. Identify funding, including grants**



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13

STRATEGIC PLAN ALIGNMENT



Strategic Priority No. 4 – Environmental Stewardship

Goal No. 4.6 – Implement the requisite measures to achieve citywide carbon neutrality no later than 2040.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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14

14

RECOMMENDATIONS

That the Economic Development, Placemaking and Branding/Marketing Committee:

1. Receive an overview of the City of Riverside General Services Fleet Division; and
2. Provide recommendations relative to future State of California zero emission vehicle requirements and potential impacts to the City of Riverside.



15

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