# City of Richmond-Green Fleet Transition Plan

Ranked #16 in NAFA's Top 50 Green Fleets – 2025 Best electric vehicle policies in 2025





# Meet the Fleet (*The team behind every mile the city drives*)

#### Who we are:

- 48 Total employees
  - 9 Management and admin staff
  - 6 supervisors
  - 33 technicians
- 2300+ pieces of equipment
- 180+ pieces per technician
- 808 Workorders completed in August 2025

#### What we do:

- Provide maintenance, acquisition, and repair to the City's fleet, including:
  - Police/Light-Duty
  - Fire apparatus
  - Off-Road (Street Sweepers + Mowers)
  - Medium and Heavy Truck
  - Solid Waste
  - Body Shop





#### Alignment with the Mayor's Mission, Vision, and Pillars (MVP)

## **A Thriving City Government:**

Operational readiness, internal service delivery, interagency support

## A Thriving Economy:

Fiscal responsibility, lifecycle savings, cost avoidance through sustainability

# A Thriving and Sustainable Built Environment:

Alignment with RVA Green 2050 emission reduction goals and infrastructure planning



# Decision Tree – Equipment Replacement

1. Electric (preferred, when available)

2. Hybrid (bridge option)

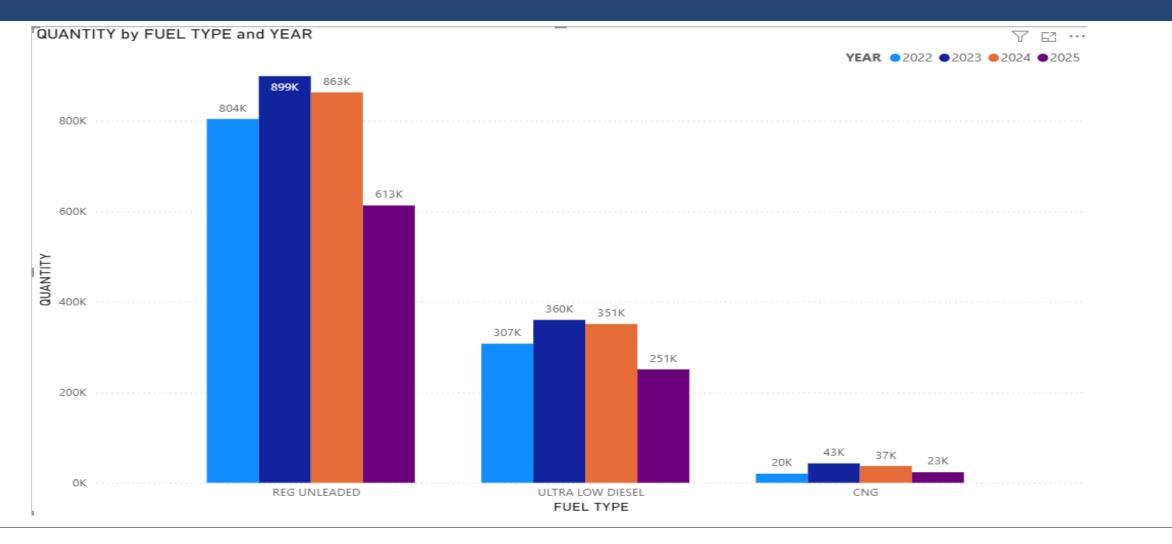
3. Alternative fuels

4. Gasoline

5. Diesel



### Fuel Usage Trends by Fiscal Year (2022 – Current)





#### Pros and Cons of Electric Vehicles

# **Pros**

- Lower emissions, supporting RVA 2050 Goals
- Reduced Fuel Costs
- Reduced routine maintenance needs for EVs (no oil, exhaust, or transmission service)
- Quiet operation improves community environment
- Public image demonstrates leadership in sustainability

# **Cons**

- Limited availability
- Higher upfront costs
- Infrastructure gaps (charging and fleet facility)
- Expensive battery pack replacement and risk of shorter lifecycle
- Requires special tools, lifts, technician training, fire suppression, etc.



### Recent Fleet Additions since 2022

- 48 Hybrids
- 25 Electric Vehicles
- Vehicles include:
  - Police Interceptor Hybrid,
  - Mustang Mach-E,
  - F-150 Lightning, and soon the E-Transit Van









#### Challenges to Emission Reduction Outlook

#### **Loss of Federal EV Incentives**

\$7,500 EV tax credit expired Sept. 30, 2025, slowing adoption.

#### **Heavy-Duty Fleet Dependency**

Limited availability of EV and Hydrogen applications for larger trucks and offroad equipment.

#### **Infrastructure Gaps**

Limited charging infrastructure, limited hydrogen supply, and major facility upgrades required.

#### **Fiscal Constraints**

EVs have a higher upfront cost, the potential for early replacement, lower resale value



### Fuel Program Audit – In Progress Items

### **#1 Fuel Policy & Oversight**

Formal Fuel SOP revisions underway. Target completion: **Nov 1, 2025**.

### **#2 Technology & Vendor Tools**

Vendors reviewed (Coast to Coast, WEX, Quarles). No fiscally viable

solution yet. Target: Jan 1, 2026

#### #4 Training & Education

NEOGOV module will go live **Nov 1**.

First quarterly boot camp planned for mid-November 2025.

#### **#9 Fuel Truck Reconciliation (DPW)**

Department logs under development to align with delivery reconciliation. Target completion: **Nov 1, 2025**.



# Thank you

