

City of Richmond- Green Fleet Transition Plan

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



**CITY OF
RICHMOND**



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)

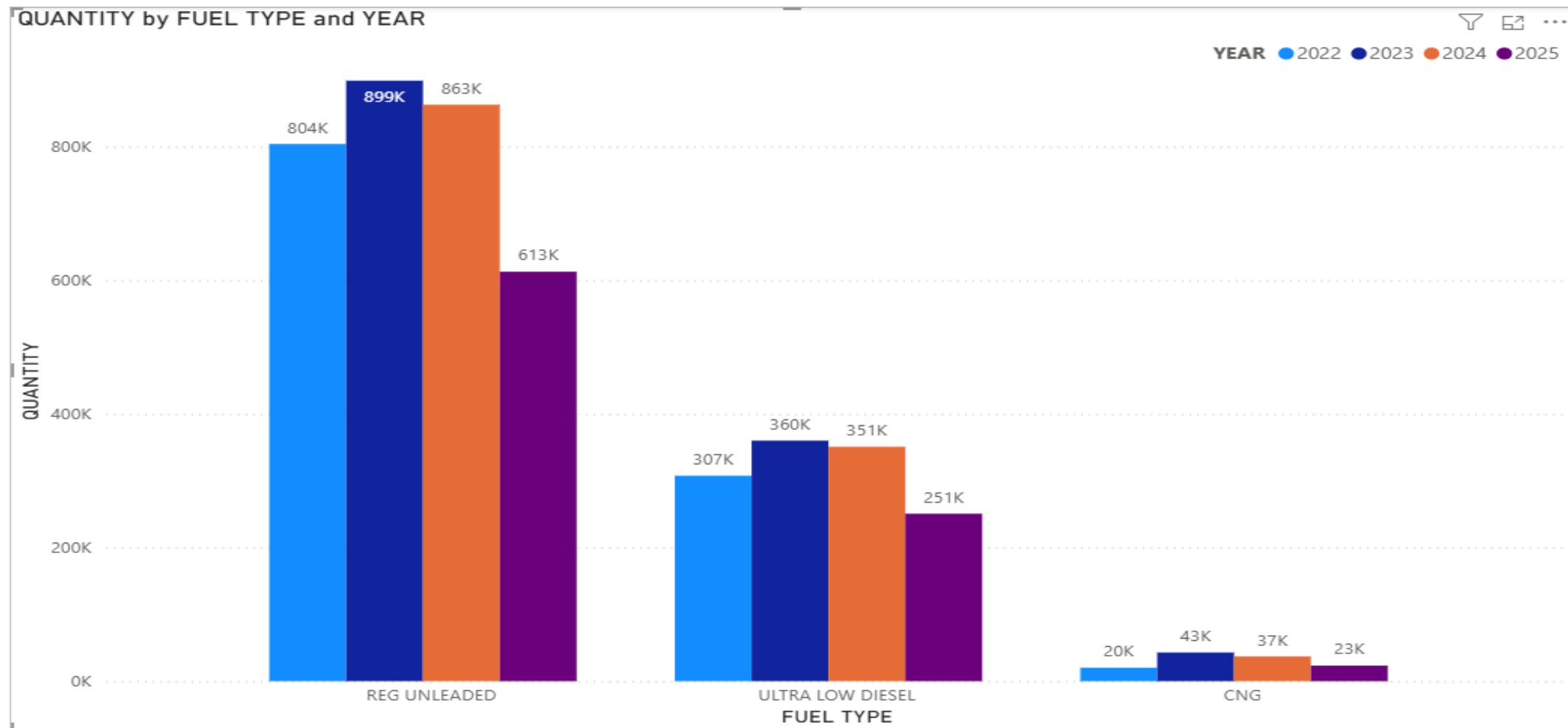
2. Hybrid (bridge option)

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 off-road 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



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