



**Session #8: Best Practices of the Top  
Green Fleet Award Winners 2022**

**September 15, 2022**



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# Upcoming Webinars

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- **10/11 Product Feature Webinar: Cenntro Low Speed Electric Vehicle Small Utility Through Class 4 Features and Applications**
- **10/13 SFT Webinar: Funding Opportunities to Support Your Sustainable Fleet Efforts**



# Format

- Q&A at the end
- Submit questions and comments to “Panelists”
- Scheduled for 2:00p-3:00p
- Handout
- Recording



## Best Practices of the Top Green Fleet Award Winners 2022 September 15, 2022

2:00-2:05 **Rick Sapienza, NCCETC**--Introduction and Welcome

2:05-2:08 **Bill Schankel, NAFA**—Contest Comments and Welcome

2:08-2:16 **Gary Lentsch, Eugene Water & Electric Board/Rick Sapienza, NCCETC**—Judges' Comments

2:16-2:26 **Tracy Ochsner, City of Fort Collins CO**—Best Practices from Fort Collins

2:26-2:36 **John Hyatt, City of Dublin OH**—Best Practices from Dublin

2:36-2:46 **Michael Turnbull, City of Riverside CA**—Best Practices from City of Riverside CA

2:46-3:00 **Q&A**





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# The 100 Best Fleets in the Americas



Tom C. Johnson,  
author of *Green Fleet Awards™*  
and *100 Best Fleets in the Americas™*

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Bill Schankel, CAE

Chief Executive  
Officer



NAFA Fleet Management  
Association

Gary Lentsch, CAFM  
Fleet Manager  
Eugene Water & Electric Board  
Eugene, OR

- 38 Years of Experience in Fleet Industry
- 10 Years a 100 Best Fleet
- 2 Time NAFA FLEXY Award Winner
- Government Fleet Hall Of Fame Inductee
- Green Fleet Award Winner
- 10 Years a 100 Best Fleet



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541-685-7470



# from the judging panel

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GARY LENTSCH - CAFM

RICK SAPIENZA

# The Top 10 Applications Reflected

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- **Staying on Point**
  - The answers addressed the question directly, so their answers were be easily evaluated.
- **Enlisting Staff and Co-Workers**
  - The bigger the award, the more information you need. Give credit given to those that helped.
- **Aimed for Perfection**
  - Spelling, punctuation and language usage are all taken into consideration.
- **Quality Results**
  - Don't say you're a leading fleet; give facts and figures to backup those accomplishments.

# From all the Applications.....

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- **161,171 vehicles**
  - Of those 26,135 were considered alternative fuel vehicle (16.2%).
  - 6,253 vehicles were electrified vehicles (battery electric or plugin hybrid) - (3.9%).
- **137,069,148 total gallons of fuel used**
  - In which 22,238,491 gallons of fuel, was an alternative type of fuel.
- **21,034 flex fuel vehicle we're represented in the applications**
  - 800,167 gallons of E85 was used (using an average of 38.0 gallons of fuel per vehicle)
  - 14 fleets (29.7%) had no data on their flex fuel vehicle count.
- **Only 3 fleets used (to any amount) ethanol-based fuels**

# Getting to the Top of the Award's Pile

City of Fort Collins	Denver International Airport	City of Dublin, Ohio	City of Long Beach
<p>Demonstrated a variety of alternative fuel use. <b>52% Alternative Fuel Use</b></p>	<p>Demonstrated alternative fuel use (mainly CNG). <b>66% Alternative Fuel Use</b></p>	<p>Fleet Management is currently using a GPS system on the entire fleet.</p>	<p>Demonstrated a variety of alternative fuel vehicles. <b>46% of the fleet</b></p>
<p>Developed an interactive tool to calculate the total lifecycle fuel and carbon reductions.</p>	<p>Recalling underutilized vehicles from the customer base and incorporated them into three motor pools.</p>	<p>Awarded in part of a \$5.9m grant for the advancement of U.S. 33 Smart Mobility Corridor.</p>	<p>With the formalization of the BEV Policy, leadership committed their support for electrifying the fleet.</p>
<p>Developed an on-line tool to give every employees the opportunity to see how much fuel they use and carbon they emit each month.</p>	<p>Save enough money on right-sizing and right-typing to pay for the required charging infrastructure.</p>	<p>Purchase fuel efficient and alternative fueled vehicles to meet goal of 70% of the vehicles in the City of Dublin to be alternative fueled and fuel efficient by 2025.</p>	<p>They have an Administrative Analyst who is trained in grant writing and researches funding opportunities to support green fleet projects.</p>

# And the Top of the Award Pile

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## CITY OF RIVERSIDE

Demonstrated a variety of alternative fuel use.  
**62% Alternative Fuel Use**

Demonstrated a variety of alternative fuel vehicles.  
**42% of the fleet**

One of the goals their Envision Riverside 2025 Strategic Plan is to rapidly decrease Riverside's carbon footprint by acting urgently to reach a zero-carbon electric grid and implement the requisite measures to achieve citywide carbon neutrality no later than 2040.

Fleet currently has two grant funded projects underway for a total of \$683,610 in grant funds to offset project costs for facility updates and alternative fuel island infrastructure improvements and expansion.

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Thank you all that Applied





Tracy Ochsner  
[TOCHSNER@fcgov.com](mailto:TOCHSNER@fcgov.com)

- Interim Operation Services Director – City of Fort Collins
- More than 25 years working with alternative fuels
- Founding member of Northern Colorado Clean Cities
- Certified Equipment Manager
- Served on the Rocky Mountain Fleet Managers Association – National Executive Board and Colorado Chapter Chair
- 9 years in The 100 Best Fleets, 7 years in Green Fleet Awards , and 6 years in Leading Fleets
- In 2020 - #1 Leading Fleet and #1 Green Fleet
- Recognized as a “Sustainability All-Star” by Green Fleet Magazine in 2014



## Municipal and Community Greenhouse Gas Goal



Reduce the City's Greenhouse Gases 20% by 2020

- Baseline year is 2005
- Does not account for growth

- 80% reduction by 2030
- Carbon Neutral by 2050



## Then develop policy to support that goal

### Vehicle Purchasing Policy

- Will purchase an alternative fueled vehicle if:
  - Fueling infrastructure is in place
  - Job application fits the type of factory-equipped vehicle available
  - Economics are beneficial to the City
  - Vehicle meets the operational needs of the dept.





## OUR CLIMATE FUTURE

### Objective 5.1. City transportation systems and equipment are carbon neutral, resilient, and efficient.

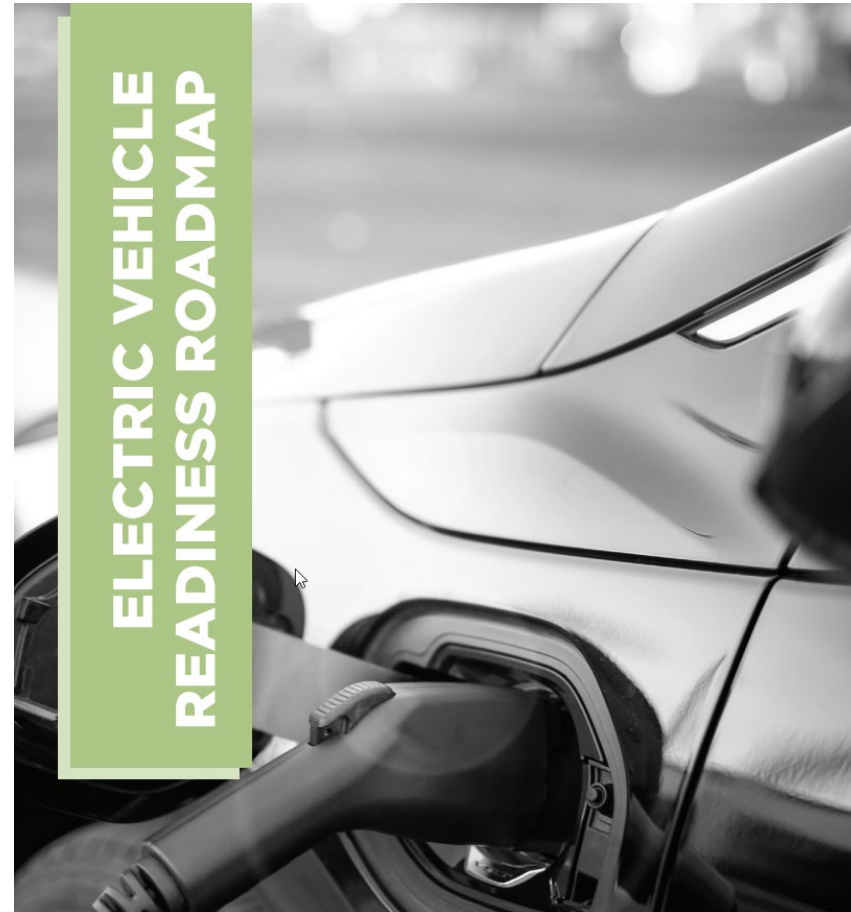
- 5.1.1. Increase electric vehicles in the City fleet by making 100% of light duty\* vehicle purchases plug-in electric by 2025.
  - May include assessing how fleet passenger cars and light duty truck purchases can be electric
- 5.1.2. Invest in the charging infrastructure needed to support electric vehicles in the City fleet and provide adequate workplace charging for employees.
  - May include identifying funds for charging stations
- 5.1.3. Convert municipal small engines, such as lawn and garden equipment, to be fossil fuel free.
  - May include work with consultants (American Green Zone Alliance) and Regional Air Quality Council (RAQC) to help define goals, funds and timelines for complete conversion of commercial-grade electric lawn and garden equipment
- 5.1.4. Support City employees to lead by example in sustainable vehicle use and commuting.
  - May include creating internal policy for Travel Demand Management (TDM)
- 5.1.5. Operate City transportation systems with increasing efficiency.
  - May include integrating smart cities concepts such as implementation of connected and autonomous vehicle technology

*\*"light-duty" refers to passenger cars and trucks intended for on-road use.*

# And don't forget about your executive leaders



# And don't forget about your executive leaders



## 2019 Municipal Sustainability and Adaptation Plan



# Diversify, Diversify, Diversify







- 2012 - 29<sup>th</sup>
- 2013 - 55<sup>th</sup>
- 2014 - 72<sup>nd</sup>
- 2015 - 47<sup>th</sup>
- 2016 - 33<sup>rd</sup>
- 2017 - 14<sup>th</sup>
- 2018 - 12<sup>th</sup>
- 2019 - 14<sup>th</sup>
- 2020 - 7<sup>th</sup>
- 2020 - 10<sup>th</sup>

- 2012 - 22<sup>nd</sup>
- 2015 - 16<sup>th</sup>
- 2016 - 16<sup>th</sup>
- 2017 - 7<sup>th</sup>
- 2018 - 3<sup>rd</sup>
- 2019 - 8<sup>th</sup>
- 2020 - #1
- 2021 - #3
- 2022 - #5

- 2016 - top 50
- 2017 - 13<sup>th</sup>
- 2018 - 10<sup>th</sup>
- 2019 - top 50
- 2020 - #1
- 2021 - Elite Fleet
- 2022 - Elite Fleet



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Tracy Ochsner, City of Fort Collins  
[tochsner@fcgov.com](mailto:tochsner@fcgov.com)



John Hyatt  
JHyatt@dublin.oh.us

- Fleet Manager for the City of Dublin
- Started with the City of Dublin in 2004
- Focus on fleet sustainability and alternative fuels for more than 10 years
- ASE Blue Seal Shop with all Technicians being Master Technicians and Alternative Fuel Certified

# Best Practices for a Green Sustainable Fleet

City of Dublin, OH

**1. Dublin, Ohio City Council implemented the vision for creating a strategic plan for the community that would create a future environment that is more diverse and innovative for those who work and live within the city.**

**You must have the support from the very top of your organization, be it Government or Business, you will not succeed without it.**

**2. As part of the goals of Council, Fleet Management purchase's fuel efficient and alternative fueled vehicles and equipment.**

**The city's goal is to have 70% of vehicles and equipment in the City to be alternative fueled and fuel efficient by 2025.**

**You must set goals that are achievable and measurable.**



**3. Fleet Management Division has an administrative order that addresses the vehicle replacement criteria as well as a replacement policy and schedule. We are to replace all vehicles and equipment with the latest green technology.**

**Fleet must have a replacement plan, ours is a five year plan that is reviewed with our City Council, City Manager, and Finance yearly.**

**4. In 2013 Fleet Management became the approval authority of all capital vehicle and equipment purchases to ensure the City's replacement policy is followed. As part of that, Fleet provides city agencies with safe, reliable, economically and environmentally sound vehicles.**

**This plan does not set yearly goals for fuel efficiency & emission standards.**

**Fleet Management must have the final say in what type of vehicle or equipment is being ordered.**

**6. Fleet meets with all divisions within the city to help them understand the importance of achieving the cities sustainability goals and this can be accomplished by purchasing CNG efficient vehicles, Tier 4 clean diesel equipment, EV vehicles, and Hybrid Police Interceptors.**

**You must become the educator on sustainability and Green Fleet Technologies.**

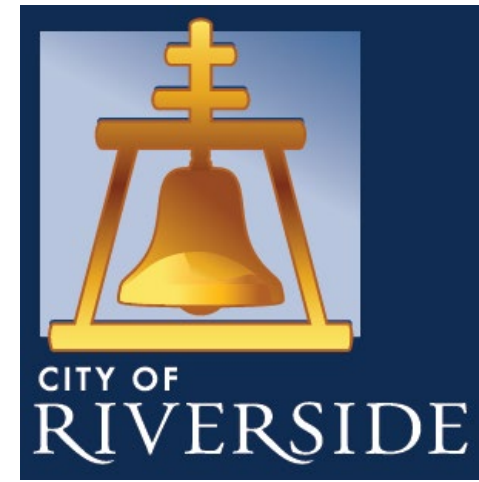
**7. Fleet Management installed and control the key box's which helps Fleet replace under- utilized vehicles or move them into a motor pool so that they become better utilized.**

**The city uses efficient smaller size vehicles in our motor pools, most of the time its just one person using the vehicle.**



Michael Turnbull  
mturnbull@riversideca.gov

- Newly Named Maintenance Services Manager for the City of Riverside CA
- Been with the Riverside Since 2010 where he has quickly risen through the ranks
- Started his career in automotive repair and maintenance while still High School at George's Sierra Shell in Fontana California, one of the fastest growing and most recognized automotive facilities in the Inland Empire. Named one Motor Age Magazine's 2013 Top 10 Repair Shops in the Nation.





# City of Riverside – Fleet Management

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September 15, 2022

# CITY OF RIVERSIDE – FLEET MANAGEMENT

- City of Riverside Fleet Management purchases, maintains, repairs, fuels, and disposes of vehicles and equipment for all City departments.
- Riverside's Fleet consists of approximately 1,361 vehicles/equipment.
  - Sedans, pick-up trucks, utility trucks, refuse trucks, street sweepers, backhoes, loaders, crane trucks, police vehicles, and fire apparatus.

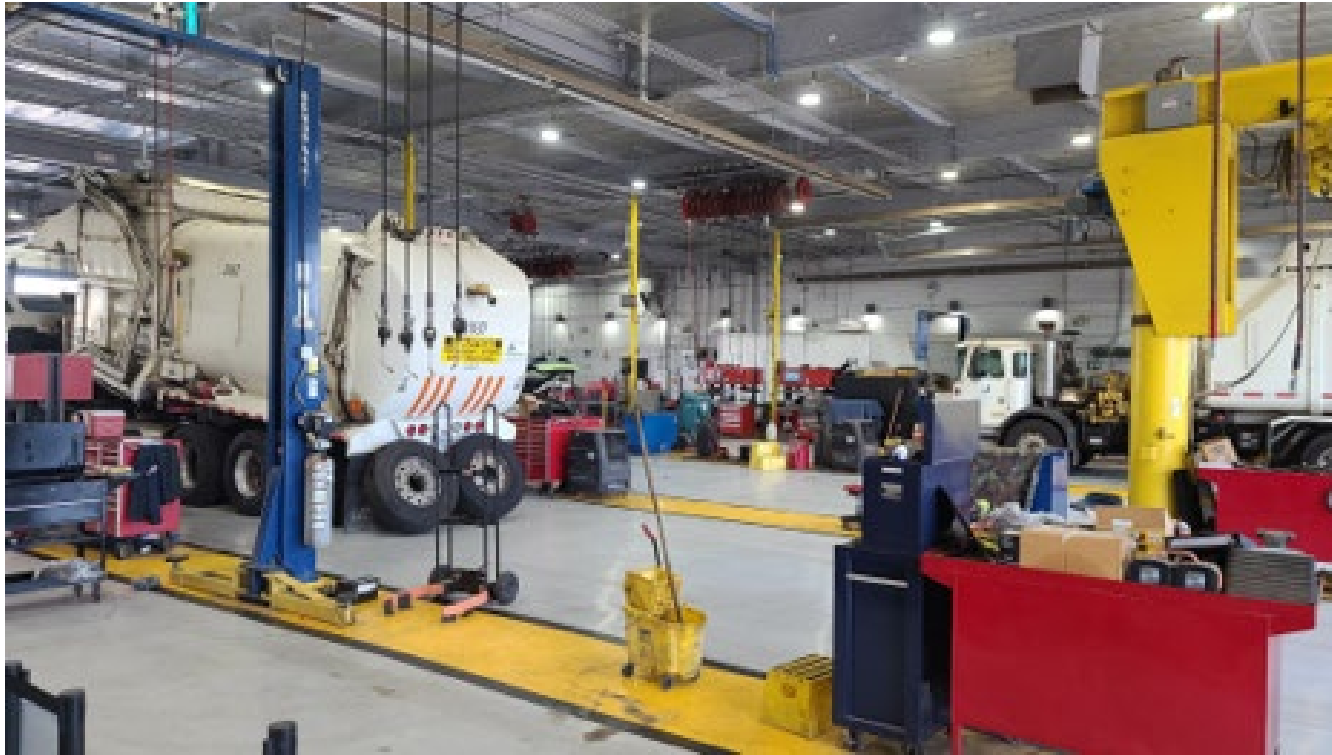






# FLEET MAINTENANCE FACILITIES

Central Maintenance Garage



Fire Maintenance Garage



Special Transit Maintenance Garage

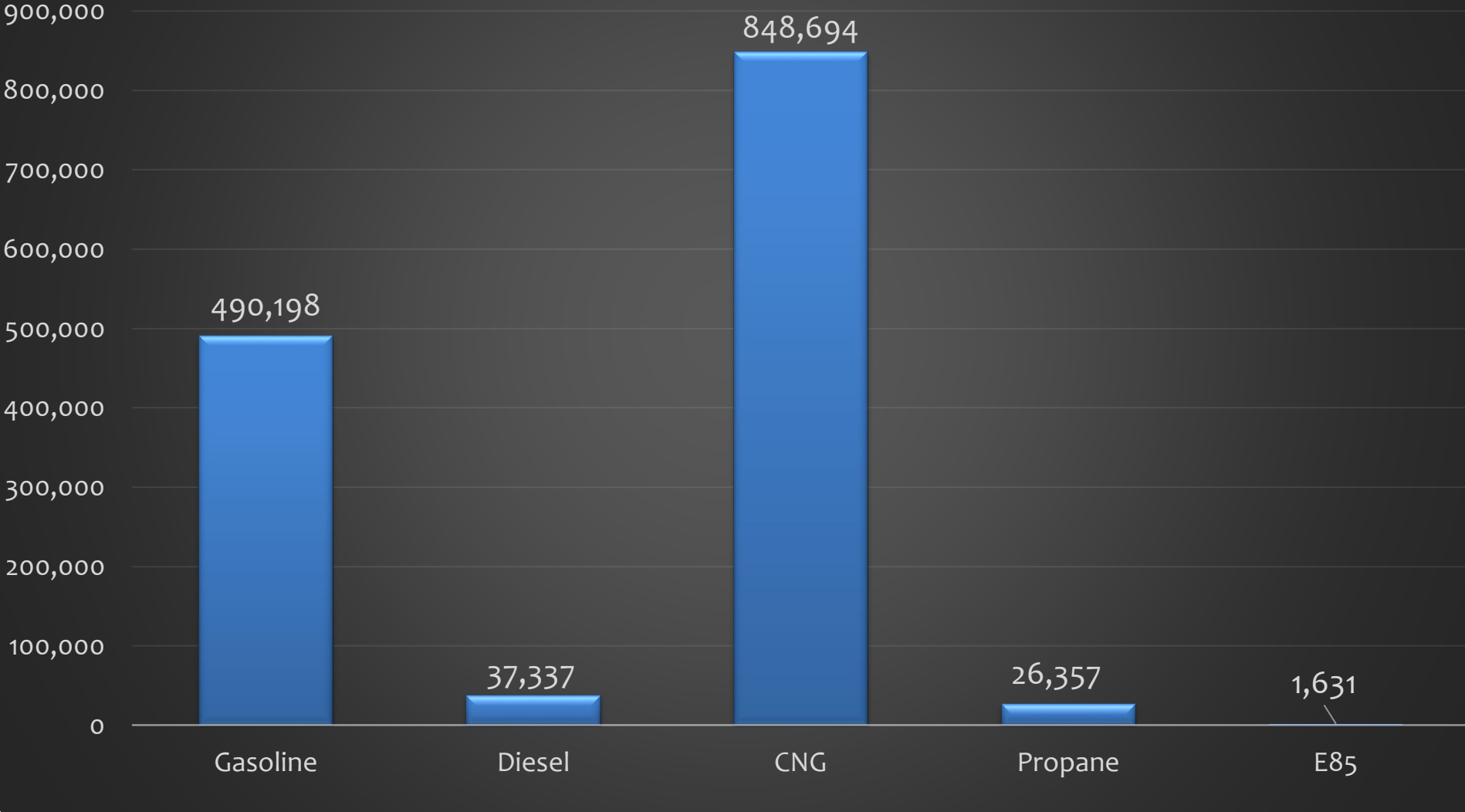


# ALTERNATIVE FUEL INFRASTRUCTURE

- The City of Riverside Fleet maintains alternative fueling stations that provide the city vehicles, as well as the general public, access to alternative fuels which include CNG and Propane.



# Annual Fuel Usage in Gallons



# FLEET POLICIES

- The City of Riverside has several sustainability policies mandating that Riverside Fleet continues to move towards clean and alternative fuels.
  - New Vehicle Acquisition Policy
  - Vehicle Replacement Policy
  - Vehicle Utilization Policy
  - Vehicle/Equipment Idling Policy



# ENVISION RIVERSIDE 2025 STRATEGIC PLAN

## CROSS CUTTING THREADS



## STRATEGIC PRIORITIES



## Environmental Stewardship

Champion proactive and equitable climate solutions based in science to ensure clean air, safe water, a vibrant natural world, and a resilient green new economy for current and future generations.

## INDICATORS

- Water Quality, Supply, Efficiency & Reliability
- Climate Resiliency, Carbon Footprint & Air Quality
- Usage, Condition & Quality of Public Lands
- Local Food System Vitality
- Environmental Justice
- Renewable Resource Usage & Waste Reduction

## GOALS

- ★ 4.1. Rapidly decrease Riverside's carbon footprint by acting urgently to reach a zero carbon electric grid with the goal of reaching 100% zero-carbon electricity production by 2040 while continuing to ensure safe, reliable and affordable energy for all residents.
- 4.2. Sustainably manage local water resources to maximize reliability and advance water reuse to ensure safe, reliable and affordable water to our community.
- 4.3. Implement local and support regional proactive policies and inclusive decision-making processes to deliver environmental justice and ensure that all residents breath healthy and clean air with the goal of having zero days of unhealthy air quality per the South Coast Air Quality District's Air Quality Index (AQI).
- 4.4. Implement measures and educate the community to responsibly manage goods, products and services throughout their life cycle to achieve waste reduction outcomes.
- 4.5. Maintain and conserve 30% of Riverside's natural lands in green space including, but not limited to, agricultural lands and urban forests in order to protect and restore Riverside's rich biodiversity and accelerate the natural removal of carbon, furthering our community's climate resilience.
- ★ 4.6. Implement the requisite measures to achieve citywide carbon neutrality no later than 2040.



# SUPPORTING PROGRAMS

- The City of Riverside Fleet participates in various programs that promote sustainability:
  - Utilization of Technology: Installation of GPS devices that tracks vehicles and provides data such as idle times, hard braking, maximum speed, and fuel economy.
  - Training Program: Fleet technicians are provided with training opportunities that focus on alternative fuel and hybrid vehicle technologies.
  - Recycling Program: This includes tires, used motor oil, all batteries, anti-freeze, and crushed oil filters.
  - Maintenance Facility Improvement Program: All existing lights were updated with LED lights. The old swamp coolers were replaced with more modern, energy efficient equipment.
  - Alternative Fuel Program: The City has been extremely successful in providing clean alternative fuels to the public. Currently the City provides CNG, Propane, Hydrogen, and electric vehicle infrastructure.



# THANK YOU!





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