

# Climate and Sustainability Program Update

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# Today's Objectives

Provide staff update on:

2025 Commission Priority # 9:

**Implement greenhouse gas reduction strategies/projects** and make substantive progress implementing the agency's climate change adaptation plan.

- Overview of greenhouse gas emission reduction metrics
- Summary of clean energy transition investment efforts

# Climate Resilience Framework

## Adapt

Preparing the park system for emerging climate realities

## Mitigate

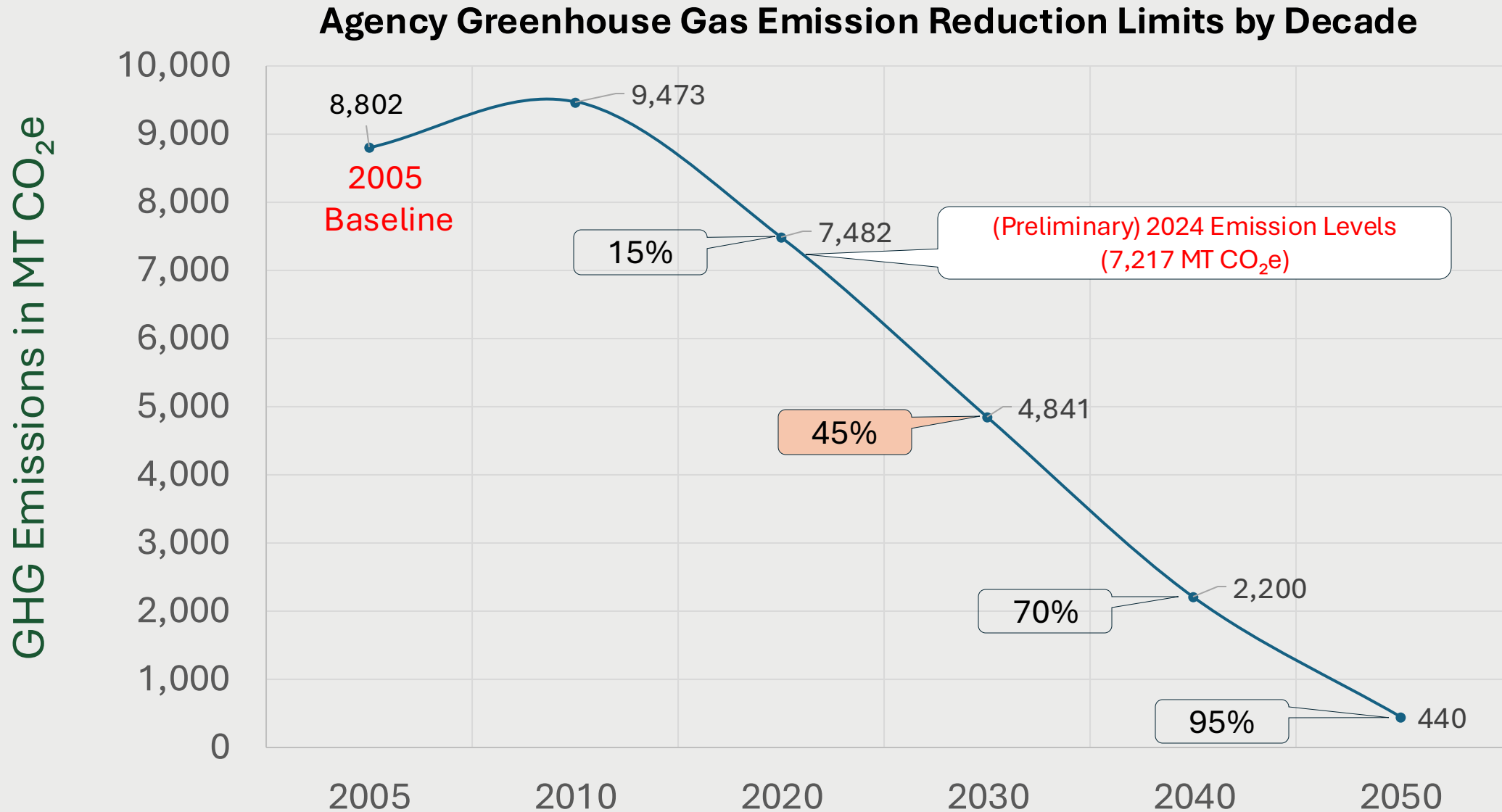
Addressing the agency's contributions to climate change

## Educate

Building a shared awareness of climate impacts on the park system

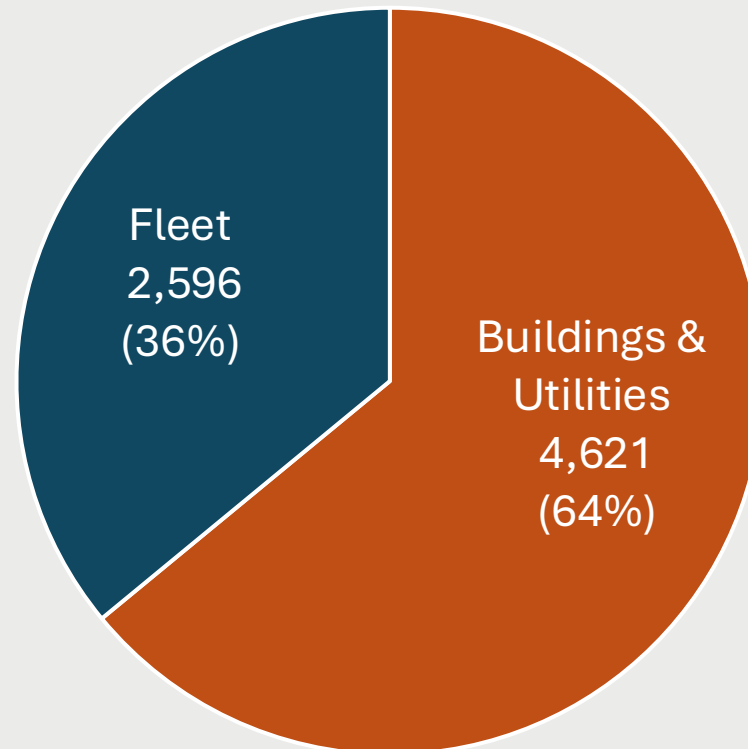
Mainstreaming climate-informed practices into the development, operation and stewardship of the Washington state park system.

# RCW 70A.45.050 - Greenhouse gas emission limits for state agencies



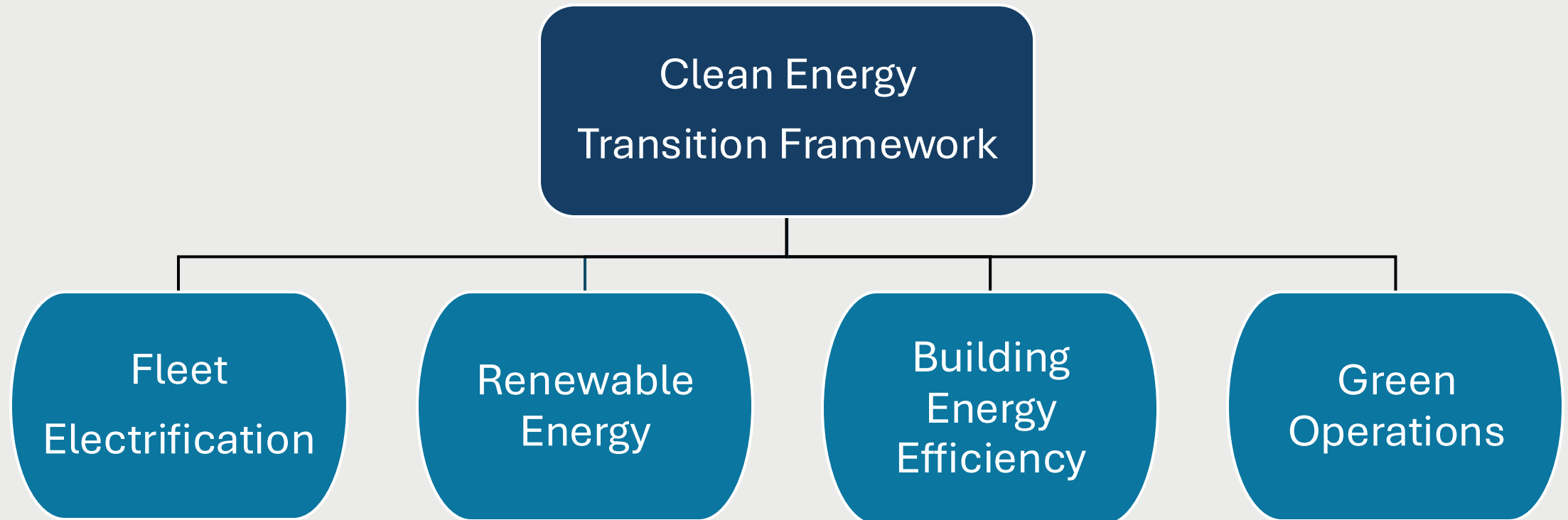
# Our “Reported” Carbon Footprint

2024 Agency Reported  
Greenhouse Gas Emissions  
in Metric Ton Carbon Dioxide Equivalent (MT CO<sub>2</sub>e)  
(Preliminary Total = 7,217 MT CO<sub>2</sub>e)



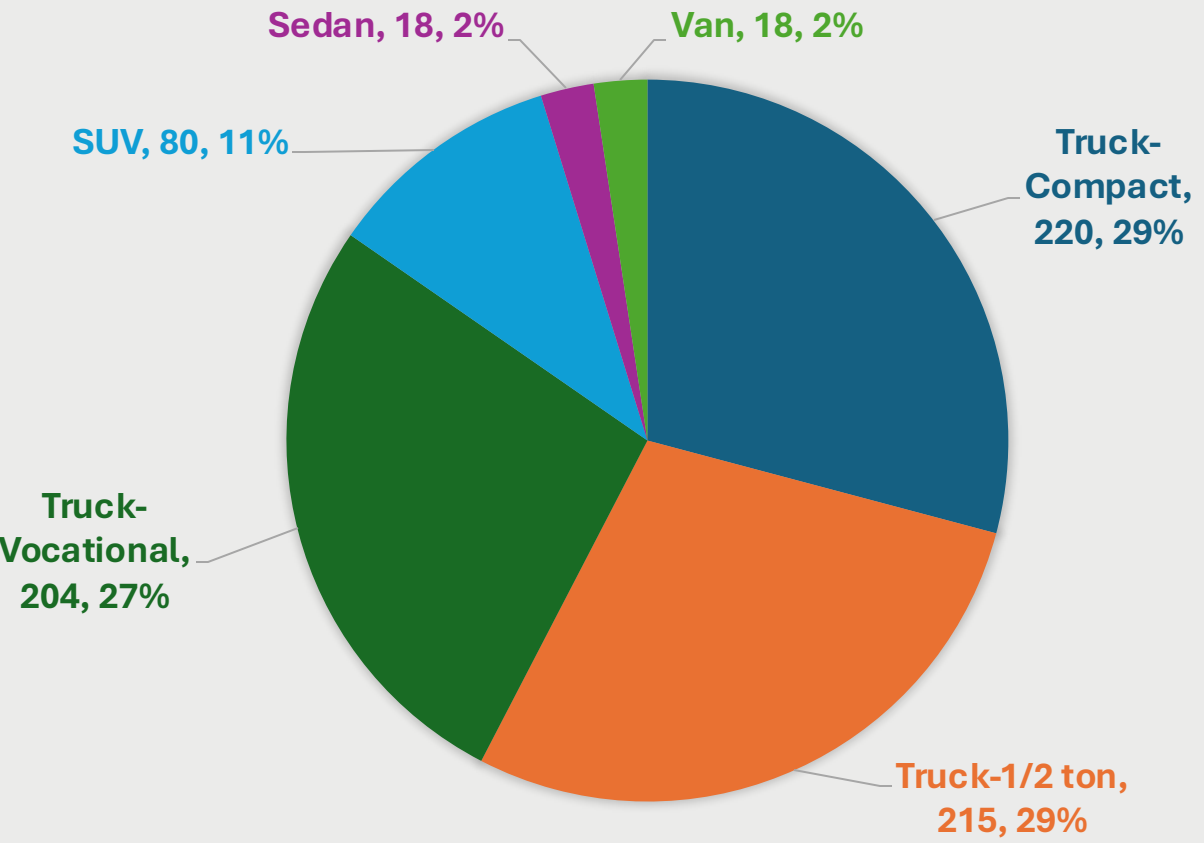
Primary Data Source:  
Resource Use Form (RUF)

# Greenhouse Gas Emission Reduction Strategy (RCW 70A.45.050)

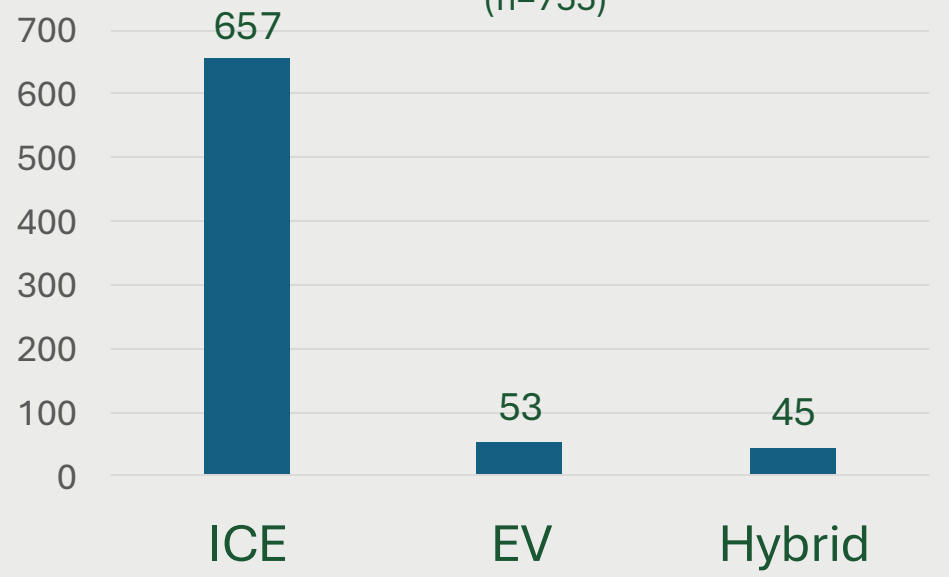


# Fleet Electrification

## 2024 Agency Vehicle Fleet Distribution by Type (n=755)



## 2024 Agency Vehicle Fleet by Engine Type (n=755)

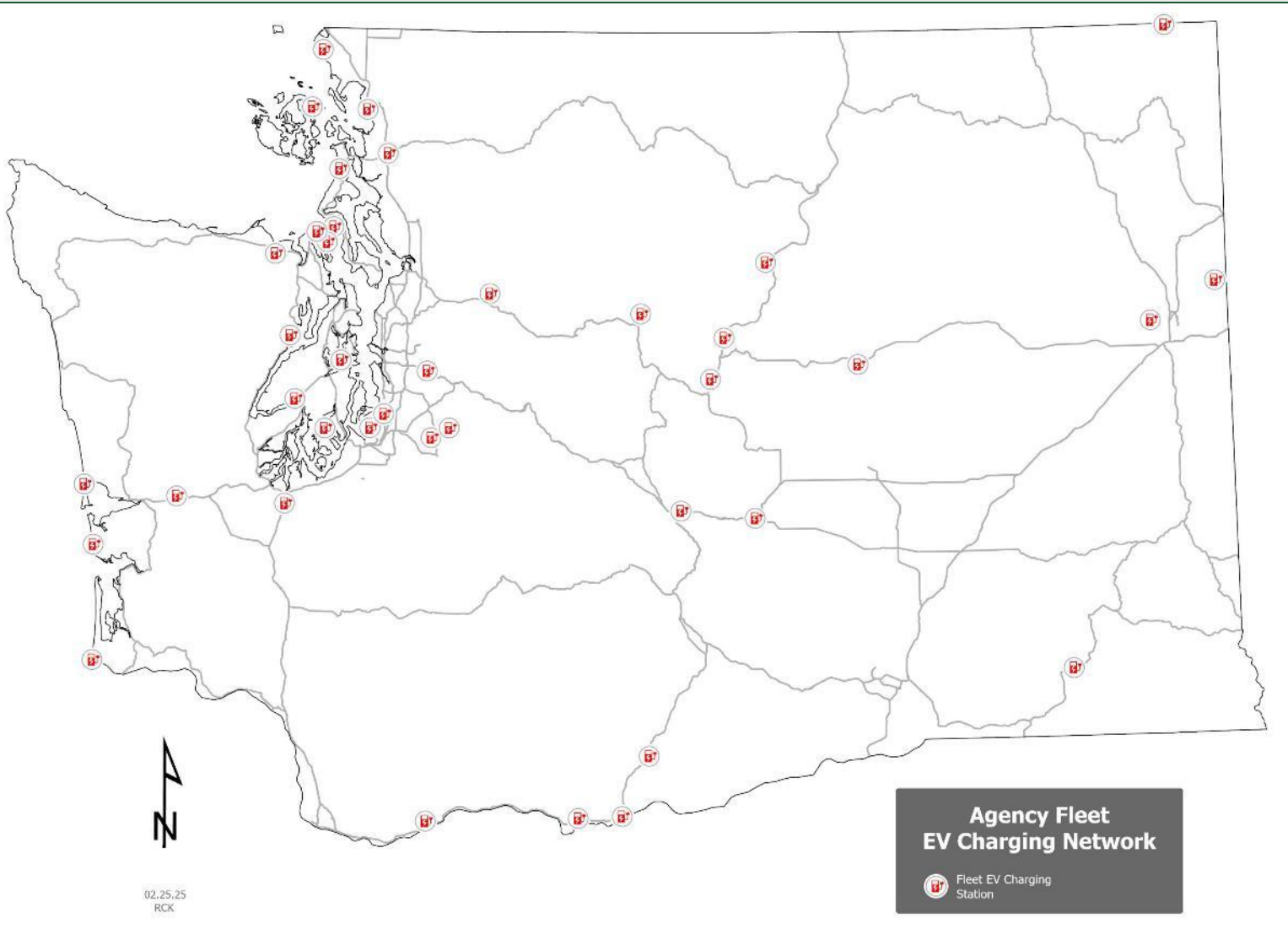




# Fleet Electric Vehicle Charging Network

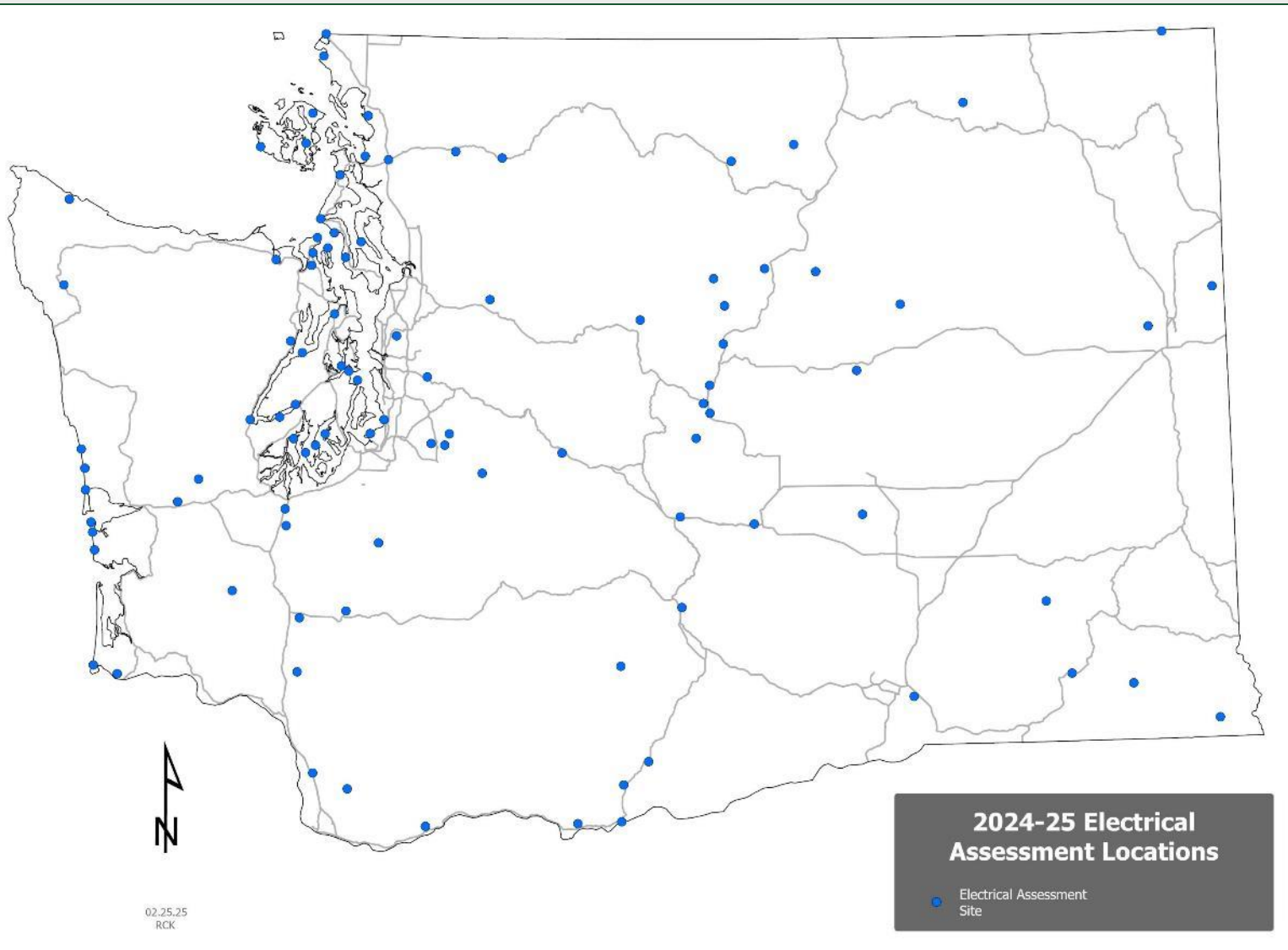
## Lessons Learned (from initial phase)

- Some sites don't have electrical capacity for basic EV charging service
- Current chargers are not networked limiting reporting of electricity use and clean energy credits



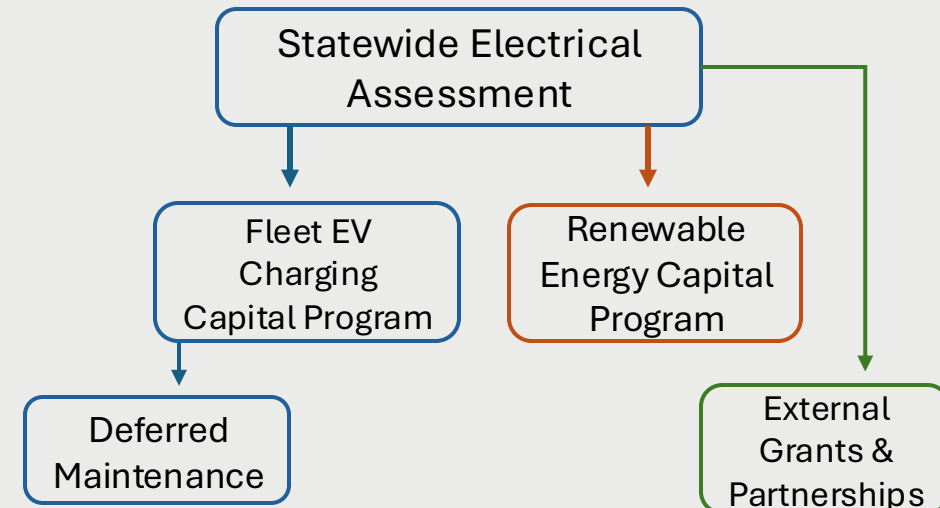


# Statewide Electrical Systems Assessment

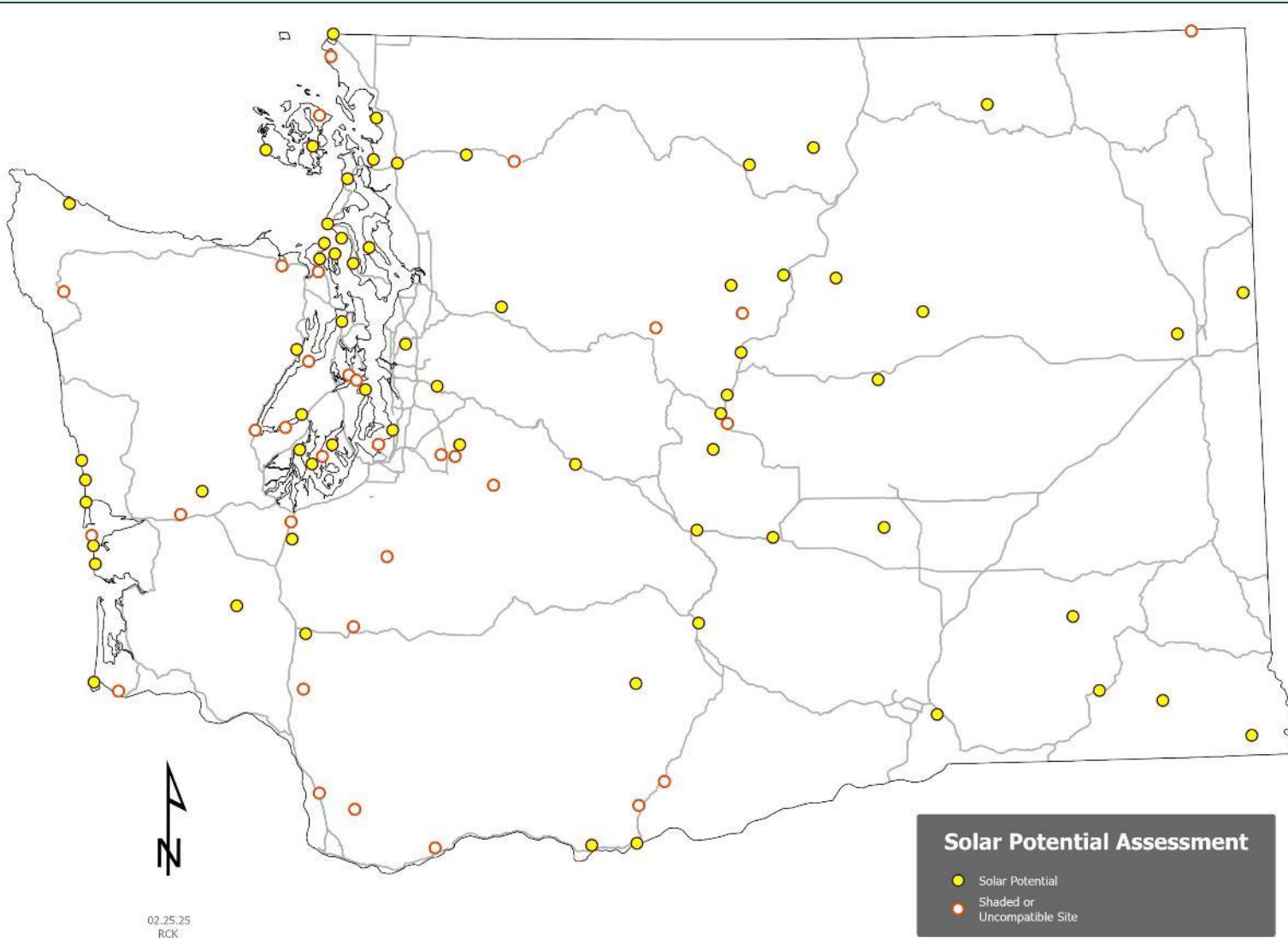


## Key (EV charging) Takeaways:

- Many park electrical systems are at or near capacity and need upgrades
- Existing electrical systems have very limited Level 3 EV charging capacity
- Feasibility of adding EV charging capability can be subject to utility provider capacity



# Statewide Solar Energy Feasibility Assessment



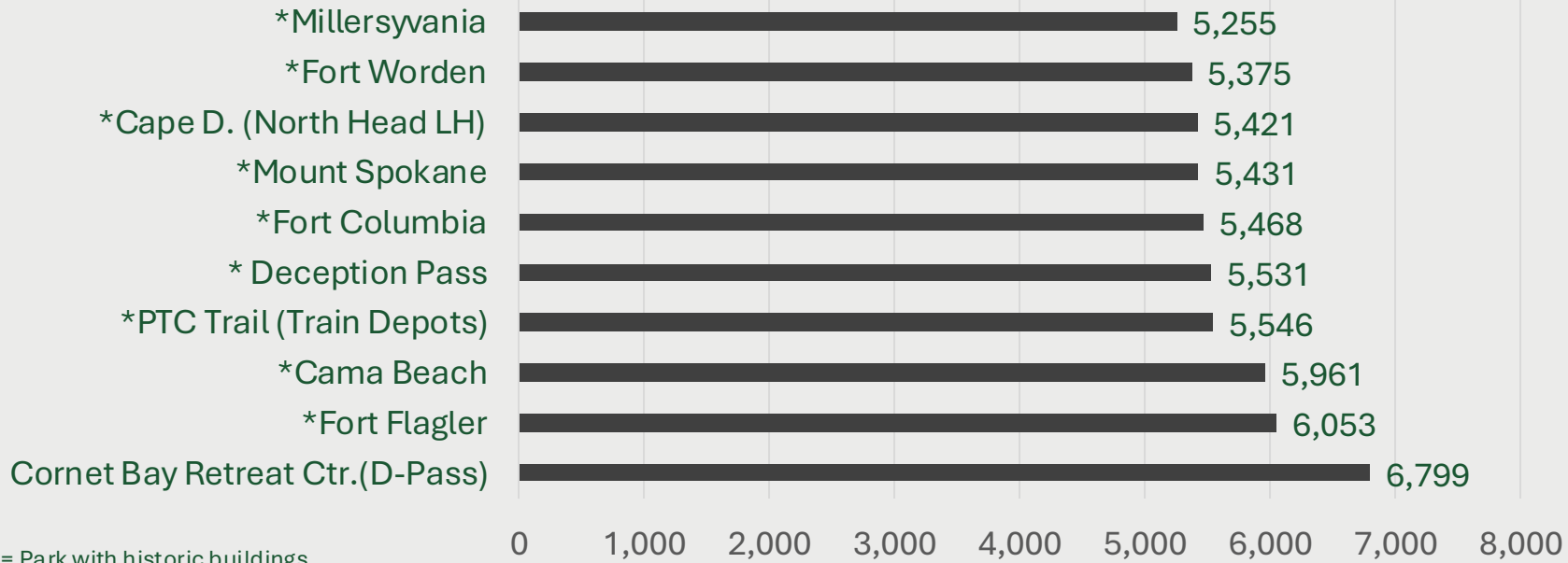
## Key Takeaways:

- 60+ of 97 sites assessed have some level of solar generation potential
- The most common potential is rooftop solar panels while other sites are candidates for pole or ground array mounting systems
- Solar facility siting guidelines are needed to identify and minimize impacts on building and environment conditions



# Building Energy Efficiency

**2021-24 (4-Year) Average Annual Fossil Fuel Consumption in Gallons  
(Parks/sites with over 5,000 gallons)**



## Key Goals

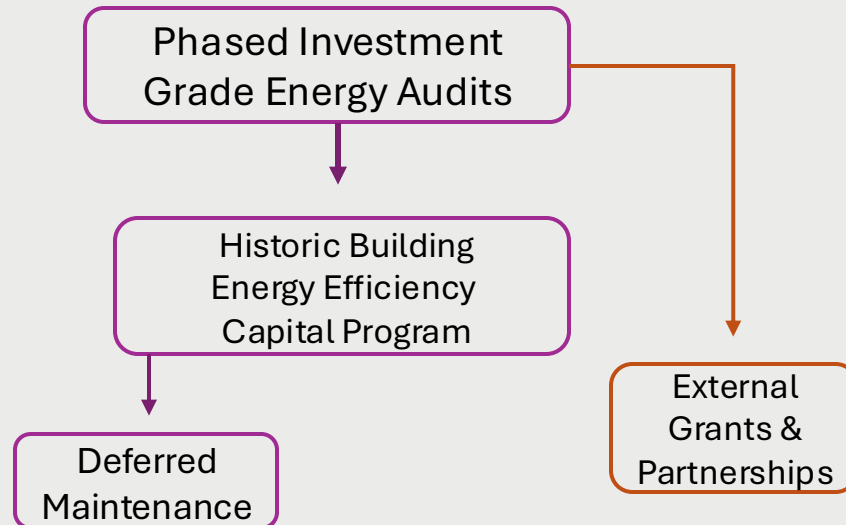
- Reduce carbon footprint of building operation (fossil fuel to electric conversion)
- Optimize energy use and consider on-site generation
- Reduce long-term operating and maintenance costs





# Investment Grade Energy Audits

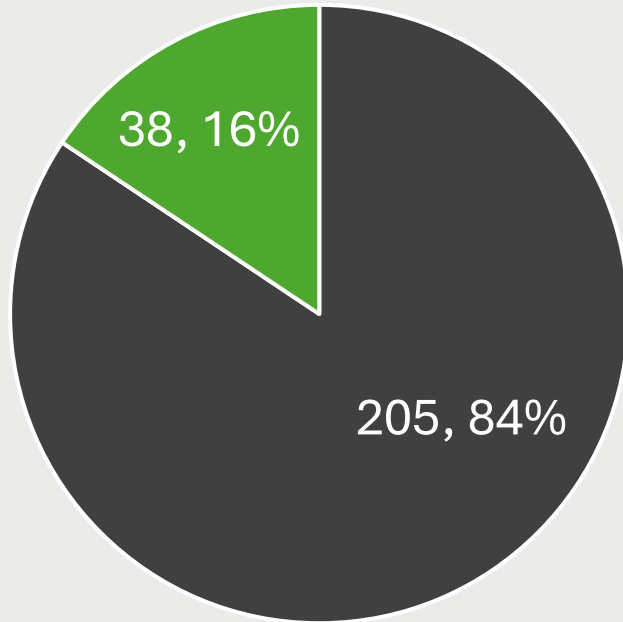
- Approximately 265 historic buildings heated/cooled with electric and fossil fuel sources
- Phase 1 Energy Audit Scope (22 historic buildings)
  - Fort Columbia
  - Fort Flagler
  - North Head Lighthouse Keeper's (Cape D)





# Green Operations

## 2024 WSPRC Off-Road (UTV) Fleet (n=243)

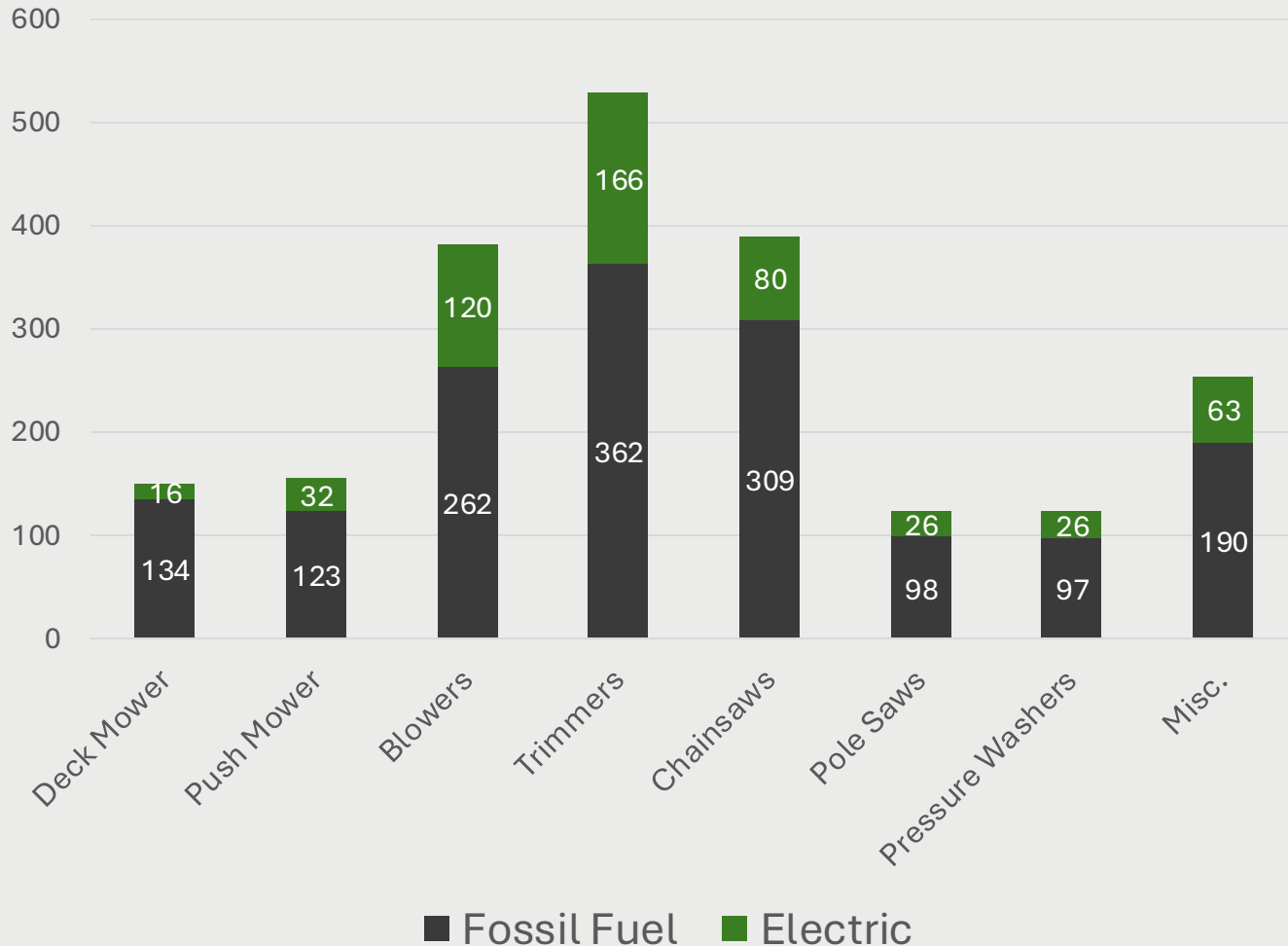


■ ICE ■ Electric

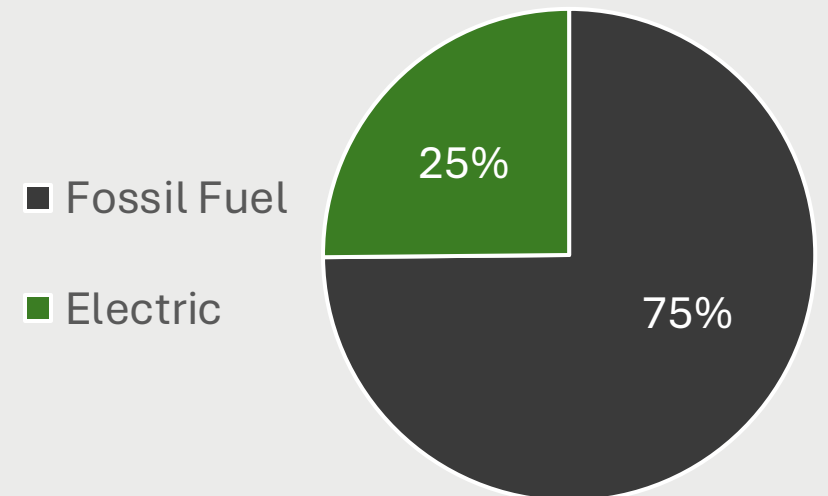


# Green Operations – Small Equipment Survey

## 2024 WSPRC Small Equipment by Type (n=2,104)



## Small Equipment by Energy Type (n=2,104)



# 2025-27 Clean Energy Transition Budget Request

<b>Budget Item</b>	<b>Agency 2025-27 Request</b>	<b>Governor's 2025-27 Budget</b>
Master Equipment Program (MEP)	\$1,500,000 (Operating)	Carryforward (Operating)
Equipment Replacement	\$2,100,000 (Operating)	\$0
Phase 2 Historic Building Energy Audits	\$600,000 (Operating)	\$0
Statewide: Fleet EV Charging & Renewable Energy Project	\$2,000,000 (Capital)	\$0
Statewide: Historic Building Energy Efficiency Project	\$2,500,000 (Capital)	\$2,500,000 (Capital)



# Questions?

The agency's efforts to transition to clean energy sources, and meet codified greenhouse gas emission limits, will require a targeted, sustained investment in electrical infrastructure and equipment.

