



# ELECTRIFY THE FLEET

TSPOLST 2026

SUSTAINABILITY DEPARTMENT, TRANSPORTATION AND PUBLIC WORKS DEPARTMENT & CENTRAL SERVICES DEPARTMENT



- 01.** BACKGROUND
- 02.** CURRENT PROGRESS
- 03.** PROJECT PROPOSAL
- 04.** BENIFITS OF PROJECT

# AGENDA





## **100% CLEAN & RENEWABLE ENERGY PLAN:**

Internal ACCGov operations must source 100% of energy needs from clean and renewable sources by 2035



# HOW WILL WE GET THERE?



**RENEWABLE ENERGY**



**EFFICIENCY**



**ELECTRIFICATION**



# ACCGOV ELECTRIFICATION



## Light Duty Vehicles

Class 1 - 3

~450 vehicles in fleet



## Heavy Duty Vehicles

Class 4 and above

~450 vehicles in fleet

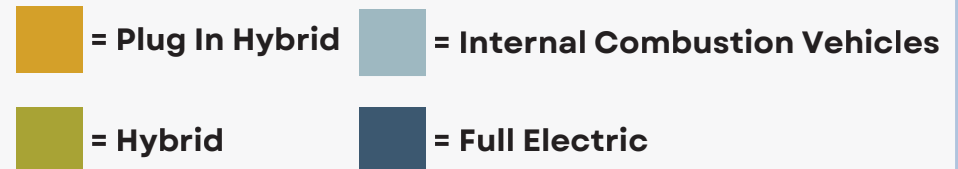
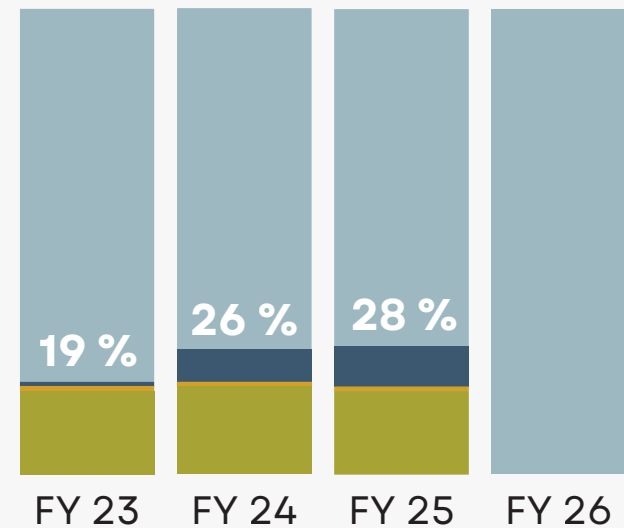


## Landscape Equipment

Landscape and Right of Way

~275 powered tools

## Percentage of Light Duty Fleet that are Hybrid, Plug in or Full Electric





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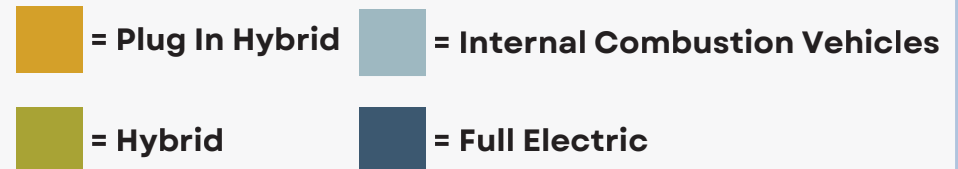
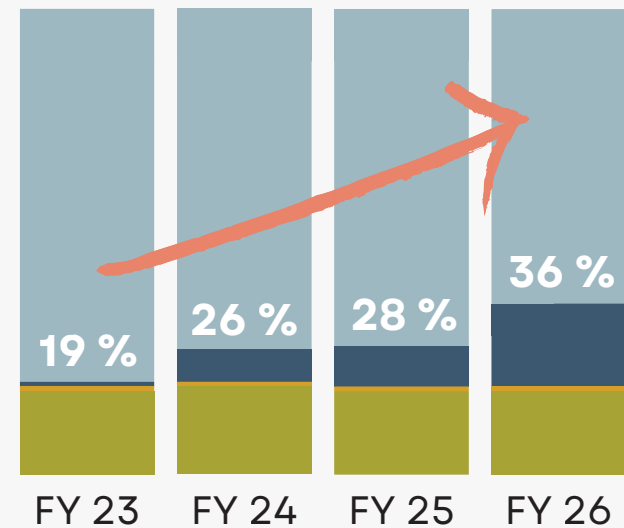


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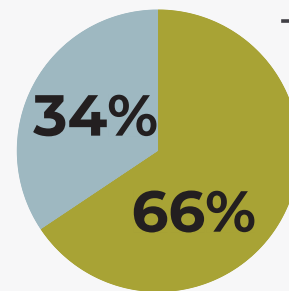


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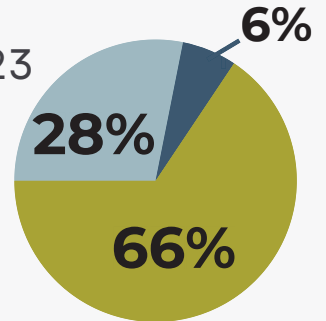
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## Transit Buses



TSPLOST 2023  
Project 20

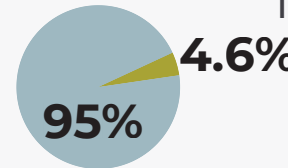


 = Diesel Buses

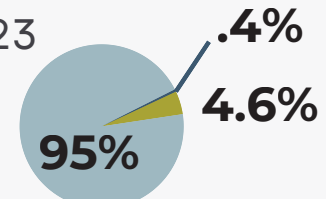
 = Diesel Hybrid Buses

 = Full Electric Buses

## Heavy Duty Fleet Totals



TSPLOST 2023  
Project 20





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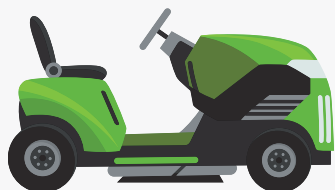
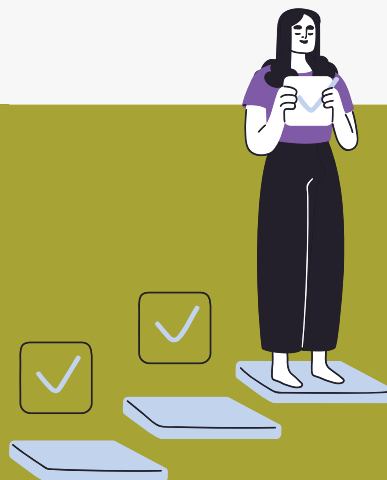
## 2023 Small Tools Pilot and 2024 Electric Mower Pilot Programs with ACCGov Landscape Management



ACCGov Landscape Management currently only has one fully electric crew. Staff is looking to transition to more electric mowers.



# NEXT STEPS



**Expand Electric  
Roadway Maintenance  
Equipment Based on  
Pilots**



**Pilot ACCGov's First  
Fully Electric Heavy  
Duty Vehicle**



# ELECTRIFY THE FLEET

TSPOLST 2026

Proposes the acquisition of an electric dump truck for Transportation and Public Works Streets and Drainage with necessary charging infrastructure as well as the acquisition of electric mowers and tools for Central Services Landscape division.

PROJECT COSTS	ESTIMATES
Electric Dump Truck and Charging Infrastructure	\$600,000
Zero Turn Electric Mowers and Robotic Mower	\$80,000
Electric Maintenance Equipment	\$40,000
Project Management (4% of total budget)	\$ 29,000
Project Contingency (10% of total budget)	\$ 75,000
PROJECT SUBTOTAL:	\$ 824,000
Program Management (2% of Project Subtotal)	\$ 17,000
TSPLOST 2026 PROJECT TOTAL:	\$ 841,000



# WHY?

## VARIABLE USE



## LIMITED CONSUMER DATA



## RAPID CHANGES IN TECH



## Stakeholder Buy-In



## Multiple Support Vehicles



## Public Exposure



# BENEFITS OF PROJECT



## **Supports Transportation Maintenance and Improvements**

Investment in the project will be vital to roadway construction and care.



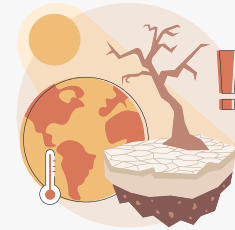
## **Decreased Air Pollution**

For both employees and members of the public!



## **Decrease in noise pollution**

Lowered noise improves the public and workers experience and health.



## **Climate Impact**

Reduces long term climate impacts like extreme heat and storms.



## **Reduced Ecosystem Stress**

Noise and air pollution have a significant impact on local species.



## **Improved Insights**

This project will allow ACCGov staff to gain insights into electrification.



## **Improved Working Environment**

Improved working environments increase work satisfaction and productivity.



## **Fuel Cost Savings**

Estimated fuel savings of ~\$1,000 per year.



## HOW WE'RE MEETING OUR GOALS

**GOAL AREA 1: GOOD NEIGHBORS**

**GOAL AREA 2: COMMUNITY PARTNERSHIPS**

**GOAL AREA 3: ORGANIZATIONAL IMPROVEMENT**

**GOAL AREA 4: AFFORDABLE HOUSING**

**GOAL AREA 5: SAFE TRAVEL**

**GOAL AREA 6: BUILT AND NATURAL INFRASTRUCTURE**



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# QUESTIONS?