



# Sustainable Fleet Policy

*Presented by*

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# Key Concepts

## Purpose:

- To align fleet purchasing policy with Strategic Plan Focus Area of greenhouse gas reduction
  - Vehicle fuel usage makes up approximately 1/3 of County GHG emissions (primary)
- Policy would require that depts. purchase the most efficient vehicle possible based on vehicle class requested
  - Contingent upon fleet data, available technologies, ability to support EV infrastructure, and total cost of ownership
  - Vehicle Evaluation Team completes additional review and recommendation
- An appeals process is available – ultimate decision will rest with County Management



# Vehicle Replacement Tiered Structure:

- Tier I – Zero emission vehicle
- Tier II – Alternative fueled internal combustion engine
- Tier III – Hybrid internal combustion engine
- Tier IV – Conventional internal combustion engine – Gasoline
- Tier V – Conventional internal combustion engine – Diesel

\*\*Operational needs will take priority



# AVL Pilot

## Creating a Sustainable Fleet – Automatic Vehicle Locators

- Enhance evaluation of vehicle requests
- Utilization (Avg daily mileage, etc.)
- Movement patterns
- Locations for EV Infrastructure
- Evaluate Motor Pool Potential
- Incorporate low/zero emissions where feasible
- Proactive Fleet Maintenance



# Permits & Inspections

From Jun 23 to July 23

- Vehicles Active in AVL Pilot
- Total Miles Traveled
- Median Daily Mileage Traveled by Single Vehicle:
- Highest Single Day Mileage by Single Vehicle:

14  
17,186 Miles  
82.6 Miles  
177.2



## Electrification of Permits & Inspections Vehicles

- Ford F-150 Lightning (*Example*)
- Expected EPA-Estimated Range
  - 230 Miles (Base)
  - 300 Miles (Extended)
- 35-40% Reduction in scheduled maintenance costs\*



# Creating a Sustainable Fleet – EV Infrastructure

- Forward facing depts. moving to 35 Woodfin
- Plan to install multiple charging stations on the top floor of the garage in conjunction with the solar
- Coxe Ave deck will also be considered as a fleet charging location



# Discussion

