Sustainable Fleet Policy

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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: 14
- Total Miles Traveled: 17,186 Miles
- Median Daily Mileage Traveled by Single Vehicle: 82.6 Miles
- Highest Single Day Mileage by Single Vehicle: 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