



# Climate Action Plan

## Fleet Activities

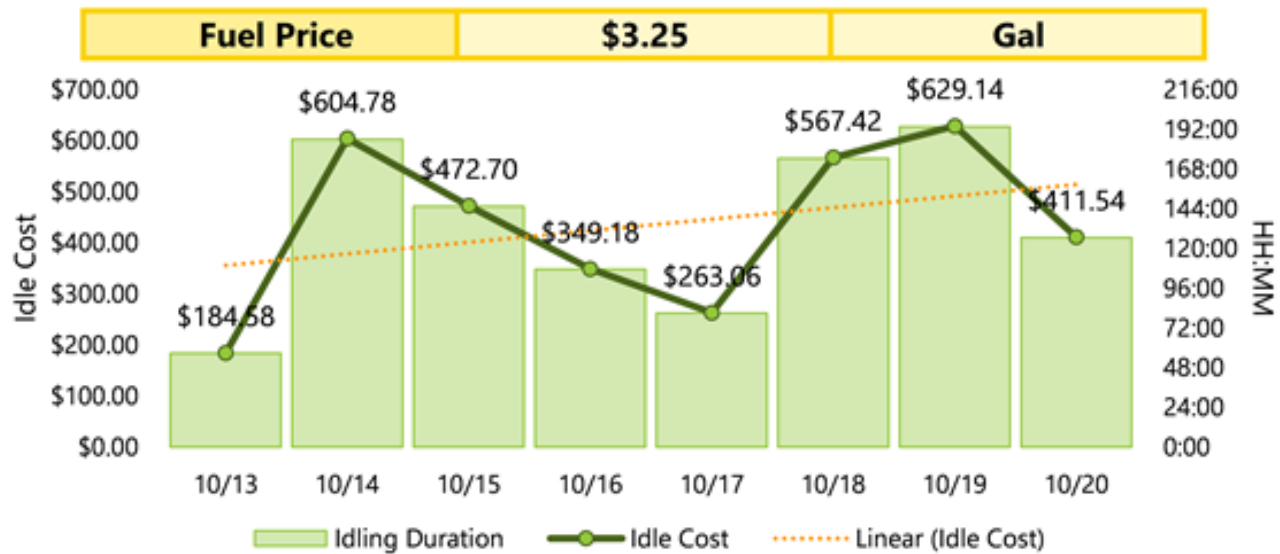
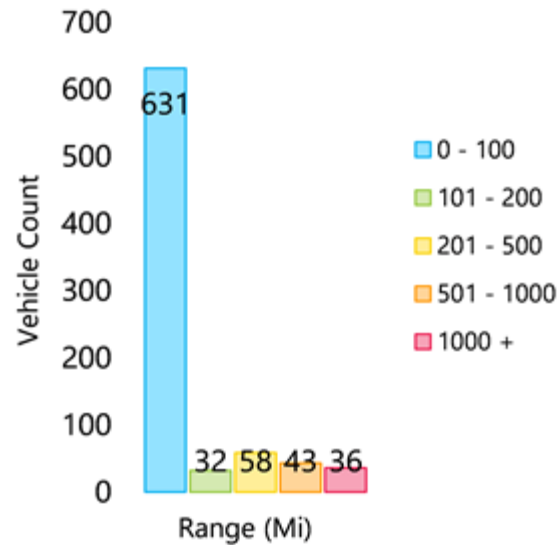
Climate Action Subcommittee  
November 10, 2021

Zac Brand  
Fleet Maintenance Superintendent, TPW

# Vehicle Telematics

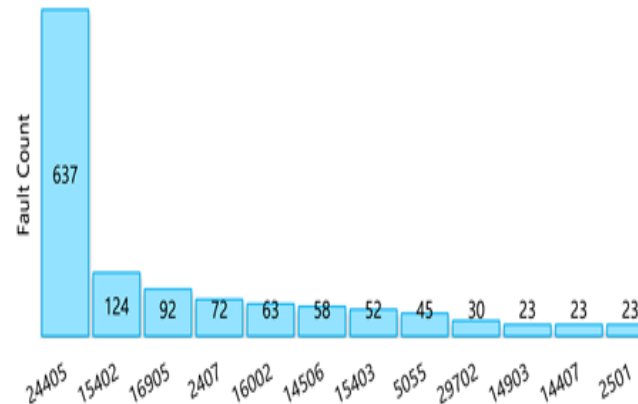
- Fleet Services began installing telematics devices on all City vehicles and equipment.
- Telematics provides monitoring to identify and address vehicle/equipment usage to reduce fuel usage.
- Provides EV vehicle suitability assessment based on utilization
- Provides real-time emissions system data to identify issues

## Safety Scorecard

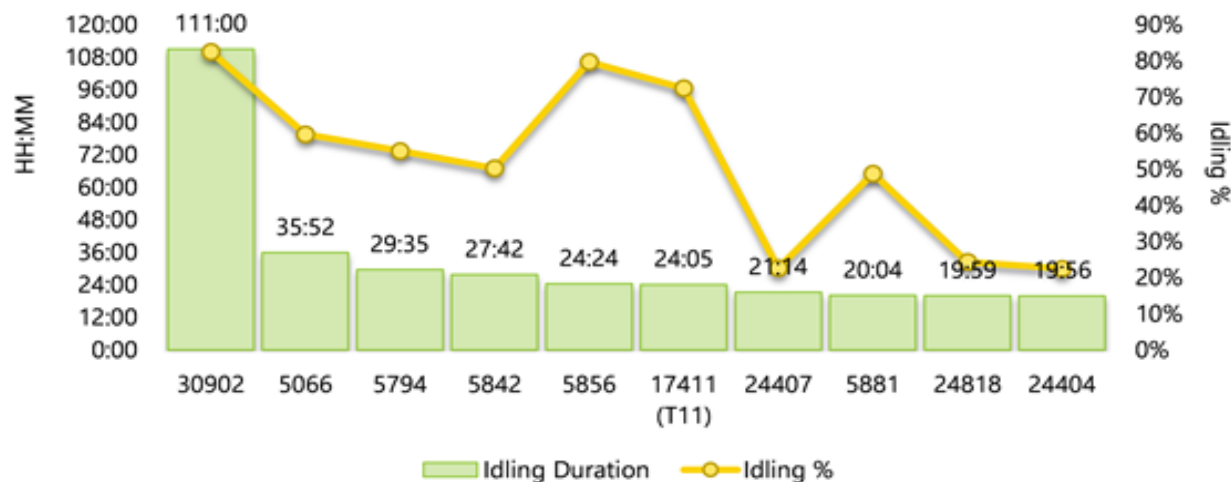


Idle Cost	\$3.25/Gal
<div>\$13,939.90</div> 	
From: Sep 20, 2021	To: Oct 20, 2021

### Highest Engine Faults



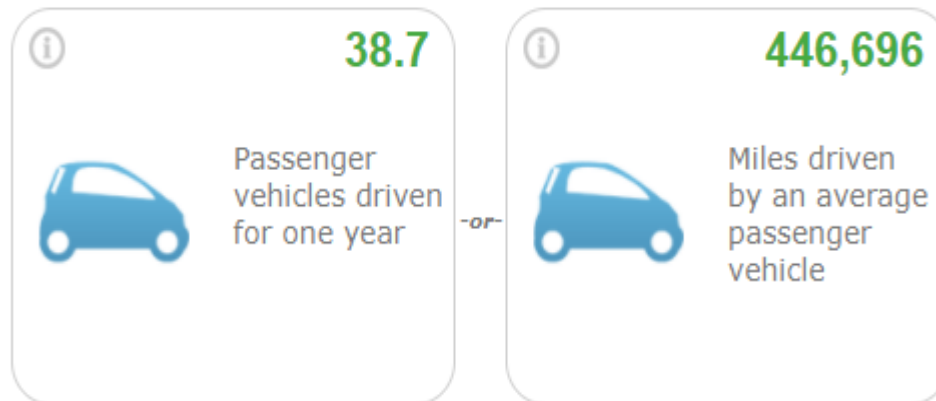
### Highest Idling Duration



# Hybrid Police Vehicles

- The City currently has multiple units in active service
- Hybrid vehicles demonstrated a 47% increase in fuel economy
- Anticipated fuel savings of 20k gallons/year or 196 tons CO<sub>2</sub>
- 28 additional Gasoline Hybrid patrol vehicles on order

## Greenhouse gas emissions from



# Bureau of Automotive Repair Continuous Testing Program

- Enrolled and Accepted to the B.A.R. CTP program.
- Vehicle emission system compliance is tested 30+ times annually vs. 1 time bi-annually.
- Reduces labor burden to City staff by 200+ hours annually.
- Emissions fault reporting integrated into Fleet Management System

# Challenges with Electrification

- Identifying City vehicle/equipment activities that can be converted to EV.
- Installing infrastructure to support EV charging
  - Utility support
  - Funding (approx. \$2500 per charger + facility costs)
  - Real Estate
  - EV charging at home

# Preferred Purchasing Policy

- Currently developing draft policy requiring consideration of EV or Hybrid vehicle prior to considering Internal Combustion Engine vehicle purchases
- Similar to State/County policies
- Must provide exception strategy to accommodate operational and infrastructure demand