Climate Action Plan

Fleet Activities

Climate Action Subcommittee

January 13, 2021

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1

City of Santa Rosa Fleet

- Manages over 1,000 Vehicles and Pieces of Equipment which include:
  - 63 Hybrid Electric (10 Transit Coaches and 10 Police Patrol Vehicles)
  - 4 Full Electric
  - 5 Dedicated Compressed Natural Gas Fueled

- Travelled 3.8 million miles and ran 12.5K hours in 2020

- Fuels Consumed.
  - 225K Gallons of Diesel (140K used in Transit)
  - 200K Gallons of Gasoline (100K used in Police)
  - 2K Gallons of Propane
  - 1K Gallons Equivalent of Compressed Natural Gas

CURRENT STRATEGIES

- Electric & Hybrid Electric Vehicles

- Alternative Petroleum Based Fuels

- Vehicle Telematics System

Electric & Hybrid Electric Vehicles

- Currently operate 4 full electric vehicles in Fleet Motorpool

- Electric Vehicles are considered for replacements based on utilization

- Compact and midsize sedans present the best opportunities

- Transit Department is deploying electric vehicles to meet 2040 goals

4

Electric & Hybrid Electric Vehicles

- Have been operating Hybrid Electrics beginning 2002
- Hybrid Electrics have presented an average 25% greater MPG
- First Hybrid Police Patrol vehicle put into service this year
- First Hybrid Electric Service Trucks ordered

5

Alternative Petroleum Based Fuels

- Compressed Natural Gas and Propane are used in the fleet sparingly, mostly due to fuel availability and operational needs.

- Municipal Service Center Fuel Island has converted the fossil diesel fuel supply to Renewable Diesel Fuel (R99). R99 is rendered from waste and residues from industrial processes, producing fuel with 80% less particulate emissions.

Vehicle Telematics

- Currently in RFP process with Purchasing; expected implementation by July 2021

- Provides current and historical vehicle location data that can integrate with Faster Fleet Management System and CityWorks

- Provides vehicle utilization data, including Electric Vehicle Suitability analysis and engine idle time reports

- Eligible to enroll in Bureau of Automotive Repair's Continuous Testing Program

- Can coach detected aggressive driving, such as hard acceleration and braking

Questions?

8