

Green Fleet Policy

Sustainability Office



1. Definitions

ICE: Internal combustion engine

PHEV: Plug-in hybrid electric

BEV: Battery electric

ZEV: Zero emissions vehicle

Light-duty fleet:

Level 1 Charger: traditional outlet, about 24 hours to full charge

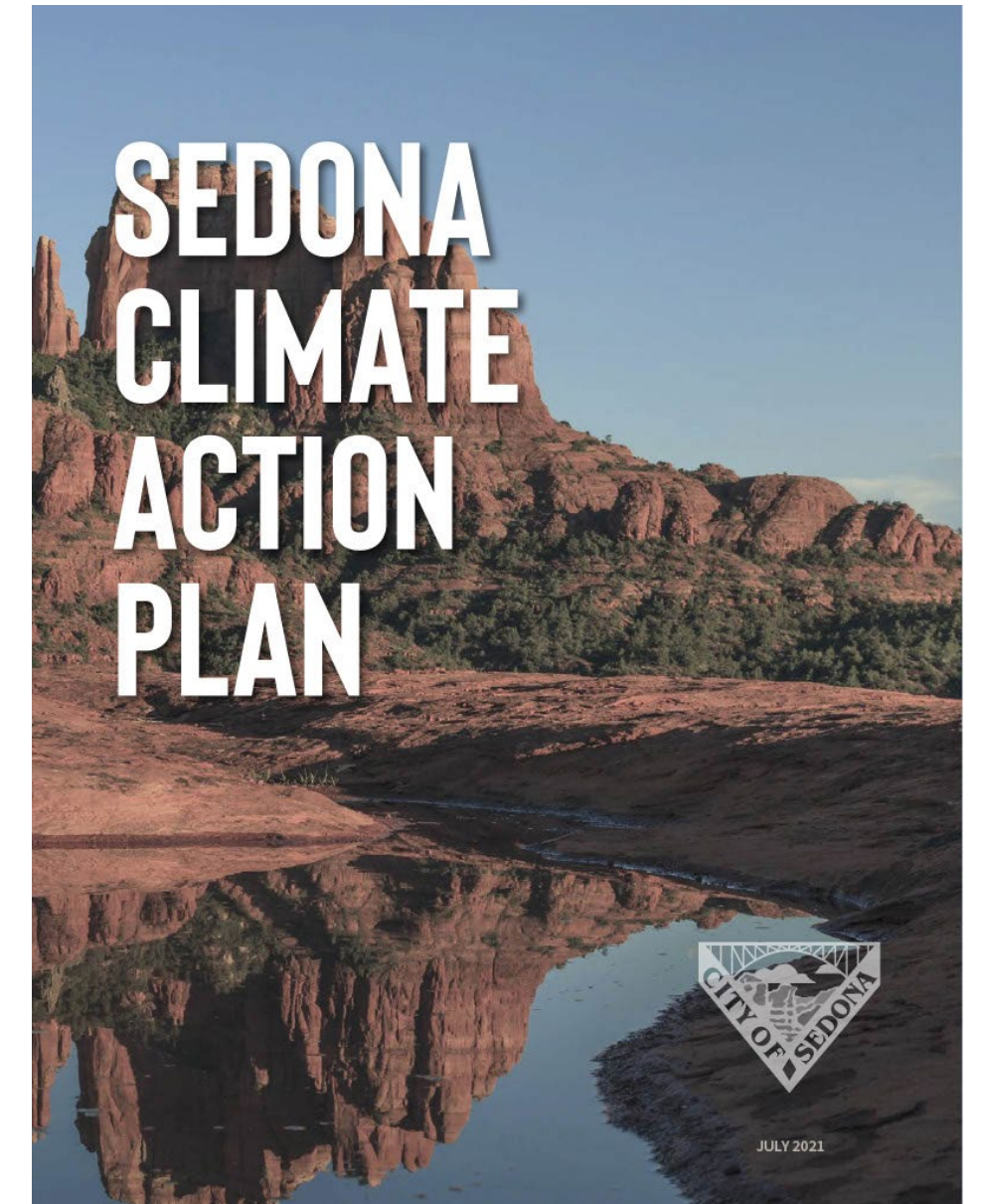
Level 2 charger: What we currently have a City hall, about 8 hours to full charge

Level 3 charger (DC Fast): Full charge in 30-75 minutes



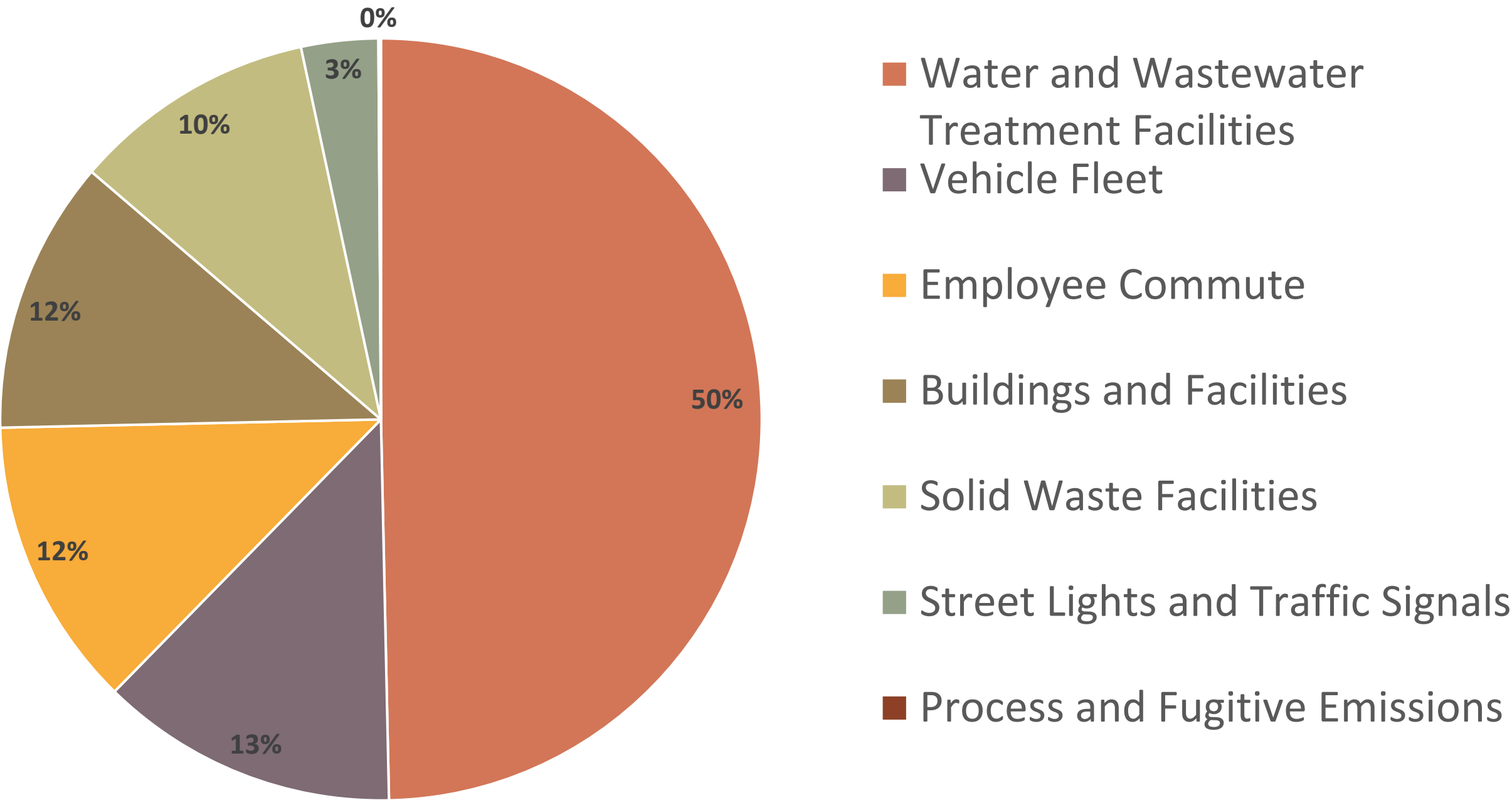
2. Goals and Objectives

1. 2020 Municipal Sustainability Plan action 5.1.2: “Develop a Green Fleet Policy
2. Climate Action Plan sets a goal of reducing community-wide emissions by 2030.
3. CAP Quote: “By 2030, the City strives to transition all passenger vehicles in the City fleet to 100% zero emissions vehicles”
4. Given our replacement timeline, the City must start electrifying well ahead of 2030



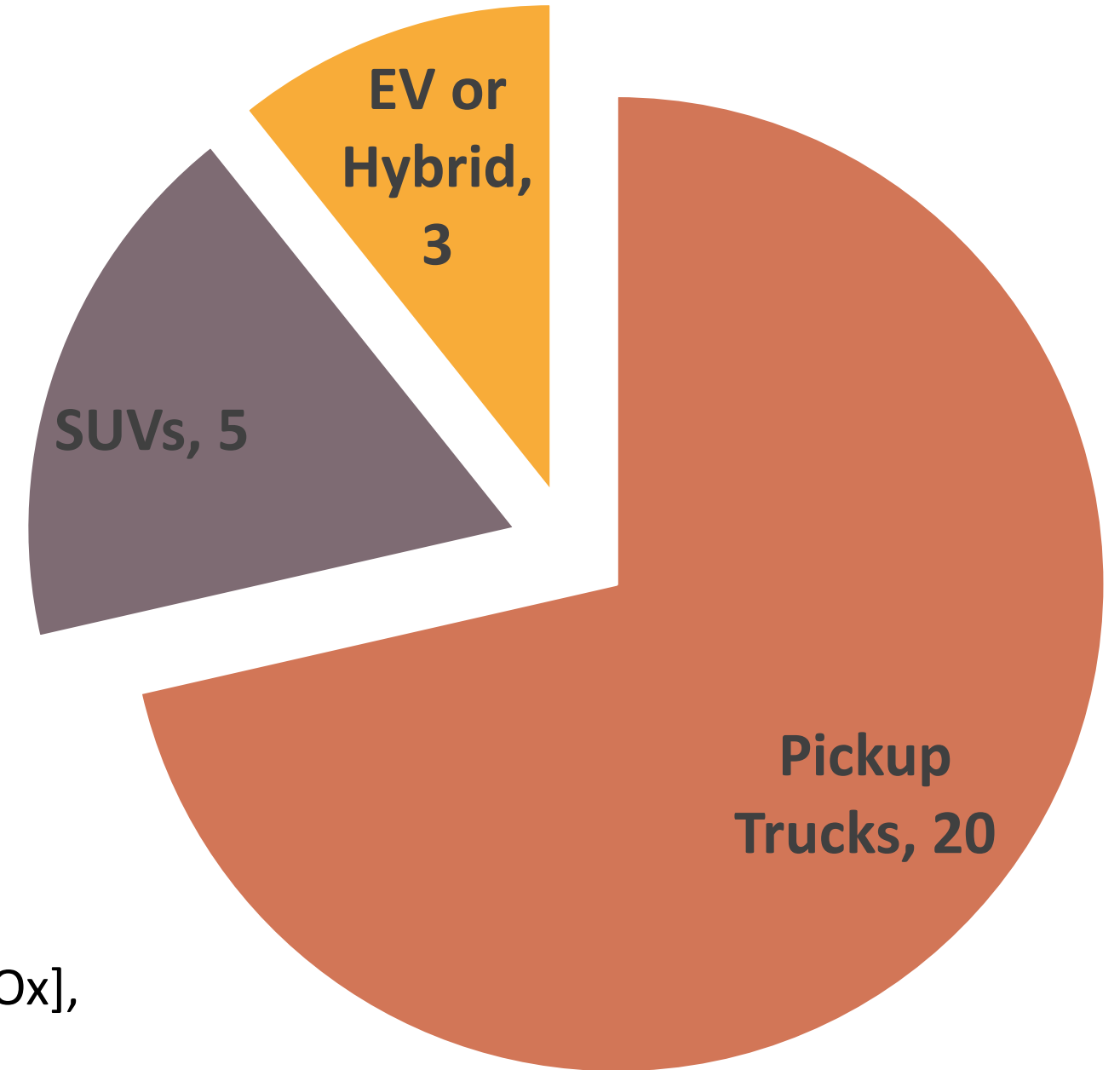
3. Background

Vehicle Fleet is the source of 13% of the City's operational emissions



4. Annual Metrics

1. Number of vehicles in fleet including:
 - a. Vehicle type (sedan/crossover, SUV, light duty pickup truck, other)
 - b. Fuel type (ICE, ICE hybrid, PHEV, BEV, other)
2. Miles driven
3. Quantity of fuel consumed by type
4. Cost of fuel consumed by type
5. Greenhouse Gas Emissions (GHGs)
6. Portion of City emissions derived from fleet vehicles
7. Non-GHG EPA criteria emissions (carbon monoxide [CO], nitrous oxides [NOx], particulate matter [PM2.5])



5. Vehicle Selection Standards

1. ZEV first
2. Swap with another fleet vehicle if possible
3. Non-ZEV purchases must be approved by Sustainability Program or City Manager
4. Prioritize ZEVs for vehicle with the most emissions
5. A limited number of PHEVs will be allowed for pool vehicles



6. Replacement Timeline

1. Vehicles to be replaced as per the normal replacement timeline
2. Sustainability will make recommendations during budget season
3. Trends will be reassessed each year as the ZEV market grows



7. Charging Infrastructure



1. Fleet Specific EVSE will be needed
2. Near term and long term EVSE locations identified

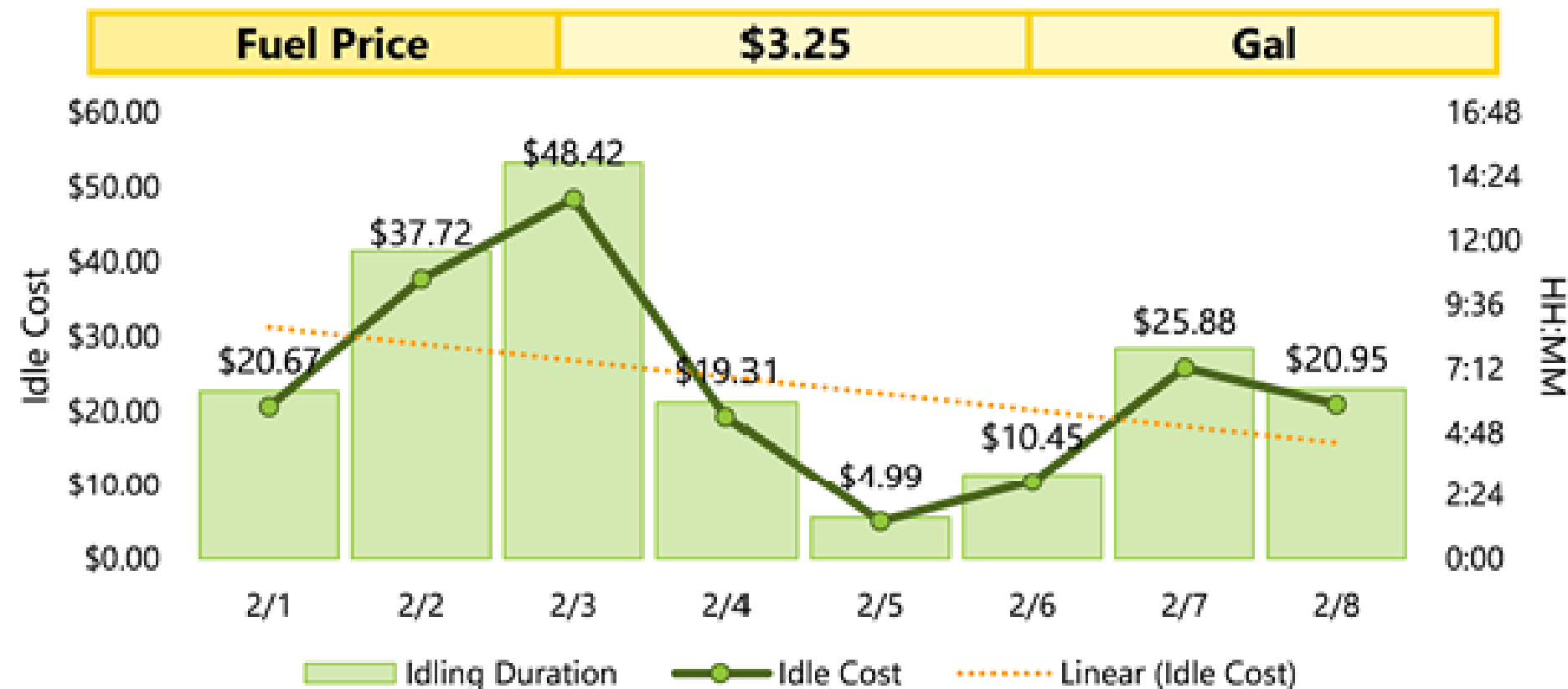
8. At Home Charging

Staff with take-home vehicles will receive a “charging allowance” to cover the costs of overnight vehicle charging.



9. Fuel Reduction Initiatives

Daily Idle Cost Trend (Previous 7 Days)



1. Optimize vehicle selection
2. Anti-idling policy (non-essential only)
3. Smart driving habits
4. Regular vehicle maintenance



10. Proper Odometer Reporting

1. All drivers must accurately report odometer reading at point of sale for gasoline and diesel
2. If purchasing fuel for another use, input odometer at 999,999



QUESTIONS?

