



Fleet Sustainability Policy

Scope: CITYWIDE

Policy Contact

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Resolution No. 2017-0478

Effective Date: December 12, 2017

Exhibit B

Fleet Sustainability Policy

The City of Sacramento is committed to improving the Region's Air Quality by:

A. Emissions Reductions

- a. Aggressively incorporating low-emission vehicles and zero-emission vehicles (ZEV) into fleet operations;
- b. Aggressively seeking fleet grants to convert, purchase and implement air quality improvements to existing and future fleet assets;
- c. Analyzing other emission reduction strategies and reporting back to the City Council as additional information on fuel efficiency opportunities become affordable and available;
- d. Continuously working with the Sacramento Metropolitan Air Quality Management District (SMAQMD) on reducing air emissions from the City's fleet;
- e. Actively participating with the Clean Cities Coalition and Sacramento PEV Collaborative to stay abreast of new innovative ideas and be willing to utilize City vehicles to demonstrate promising technologies;
- f. Conforming to the City's fleet purchasing and fuel consumption goals except when no financially viable alternative option is available;
- g. Expanding alternative fuel and ZEV infrastructure availability to facilitate expansion of increased numbers of alternative fuel vehicles;
- h. Committing that annual purchases of Fleet replacement vehicles will include a minimum commitment of 50% for alternative fuel and/or alternatively powered vehicle replacements by 2018, and 75% by 2025 to reduce emissions and fossil fuel consumption, inclusive of ZEVs;

B Low Emission and ZEV Vehicle Acquisitions

- a. Purchase vehicles based on the actual type of use and need of a particular position classification based upon an established vehicle standard with an emphasis on purchasing units offering the greatest fuel economy and lowest emissions in its respective class, as well as alternative fuels and ZEV's;

- b. Increasing ZEVs in the City's fleet across all vehicle and equipment categories as follows:
 - i. A minimum commitment for 50% of annual light-duty Fleet purchases to be ZEV by 2018 and 75% of annual light-duty Fleet purchases to be ZEV by 2020;
 - ii. A commitment to test, evaluate, and, where feasible, acquire ZEVs for medium- and heavy-duty vehicle and equipment categories;
- c. Establishing a "ZEV First" commitment for vehicles and equipment, requiring the procurement of battery-electric, hydrogen fuel-cell, or other ZEV types that emit no tailpipe emissions from the onboard source of power, as follows:
 - i. Procurement: Fleet Services is authorized to procure ZEVs for vehicle replacements when a suitable ZEV option is identified with equivalent operational capacity. ZEV purchases shall be prioritized over comparable vehicles powered by internal combustion engines utilizing fossil fuels and flex-fuel or bi-fuel vehicles powered by petroleum-based fuels and other alternative fuels, such as ethanol.
 - ii. Special performance requirements or infrastructure limitations: departments may request an exemption from the ZEV replacement pursuant to a process that Fleet Services shall develop and maintain. All exemptions shall require approval by the Public Works Director or an Assistant City Manager. Fleet Services shall consider exemptions based on vehicle criteria, including but not limited to: public safety vehicle capabilities, emergency response functions, average weekly vehicle mileage, and challenges due to infrastructure access for charging or refueling. When an exemption to a ZEV procurement is approved for a department, Fleet Services shall select an alternative vehicle pursuant to the following priority structure: 1) plug-in hybrid vehicles, 2) hybrid-electric alternative fuel vehicles, and 3) other alternative fuel vehicles.
- d. Continue to expand the use of vehicles using Compressed Natural Gas (CNG) or other available clean fuel sources for trucks and heavy equipment where ZEV's are not yet a viable option;

C. Fuel Consumption

- a. Reduce fuel consumption 5% annually, and review at year end to take into account potential growth in Fleet size;

- b. Continue to reduce miles driven annually by Fleet vehicles through route optimization, utilizing GPS devices or route optimization specific software;

D. Vehicle Operations

- a. Promote reduced idling, trip reduction, routing efficiency and use of public transportation to operating departments within the City;
- b. Reduce fleet size by removing under-utilized units, reviewing annually, from the fleet or through reassignment in place of additional units;
- c. Utilize new technology systems in vehicles and equipment, such as LED lighting, to allow continued operation of safety and emergency warning lights with the engine off without compromising the ability to restart;
- d. Reduce the number of overnight retention vehicles to only those as needed for valid on-call response.

E. Cost Effectiveness and Performance

- a. Actively seek grants, rebates, and other financial incentives and funding opportunities to use in implementing alternative fuel, fuel infrastructure, and new technology into the Fleet.
- b. Identify opportunities and the financial resources needed to replace older fleet equipment with certified low emission equipment.
- c. Work with the City departments to develop an implementation plan for compliance of all existing diesel-powered fleet equipment with the California Environmental Protection Agency Air Resource Board Fleet Regulation for Public Agencies and Utilities. This regulation identifies specific emission standards and deadlines required by CARB and by specific vehicle weight class.

F. Monitoring and Reporting

- a. Incorporate the use of future technologies such as electronic monitoring devices such as global positioning systems (GPS) devices and vehicle identification boxes (VIBs).
- b. Each fiscal year Fleet Management shall:
 - i. Prepare an annual replacement budget, including the cost of alternative fuel infrastructure into budget request;

- ii. Include a report of any other actions taken to support or enhance the City's Fleet Sustainability Policies.
- c. Enhance Fleet Management systems and implement new technology with emphasis on reducing fossil fuel consumption and "right sizing" the City fleet.