

SAM – ZEV AND HYBRID FIRST PURCHASING MANDATE

ZEV AND HYBRID FIRST PURCHASING MANDATE

4121.1

(Revised New: 12/2021)

Legal Authority

Health and Safety Code (HSC) section 38562.4

Definitions

Battery Electric Vehicle: A vehicle powered exclusively by electricity through a battery.

Bi/Flex-Fuel Vehicle: A vehicle equipped with an internal combustion engine capable of running on two different fuels.

Field Employee: Defined in SAM [section 4121](#).

Fleet Acquisition Plan: Defined in SAM [section 4120](#).

Fuel Cell Vehicle: A type of zero-emission vehicle that uses hydrogen gas in a fuel cell to generate electricity. The emission byproduct is water vapor.

Heavy-Duty: A vehicle or mobile equipment with a Gross Vehicle Weight Rating (GVWR) of 16,001 pounds or greater.

Hybrid: A vehicle powered by both an internal combustion engine (ICE) and an electric motor. The battery is charged through regenerative braking, and the engine cannot be plugged in to charge the battery.

Internal Combustion Engine Vehicle: A vehicle powered by an internal combustion engine that uses gasoline, diesel, or other combustible fuels to generate power.

Light Duty: Defined in SAM [section 4121](#).

Medium-Duty: A vehicle or mobile equipment with a GVWR of between 8,501 and 16,000 pounds.

Plug-in Hybrid Electric Vehicle: A vehicle equipped with both a battery-powered electric motor and an internal combustion engine. The battery can be recharged by plugging into an external power source, and the vehicle can accept fuel, allowing for operation in electric or hybrid mode.

Public Safety Special Performance: Defined in SAM [section 4121](#).

Zero-Emission Vehicle: Defined in SAM [section 4121](#).

Policy

ZEV & Hybrid Electric Alternative Fuel Vehicle First Purchasing Mandate

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~~SB~~Beginning in fiscal year (FY) 2017/2018, state agencies (Agencies) are required to prioritize the purchase of prioritized purchasing of Zero-Emission Vehicles (ZEVs) (including Battery Electric, Fuel Cell, and Plug-In Hybrid) and Hybrids over Electric Alternative Fuel Vehicles (Hybrid AFVs), in designated light duty vehicle categories where programmatically feasible. These purchases shall be prioritized over light-duty vehicles that are powered solely by internal combustion engine (ICE) vehicles utilizing fossil fuels and flex fuel vehicles or bi-fuel vehicles powered by petroleum based fuels and other alternative fuels, such as ethanol. Designated light-duty vehicle categories subject to this policy are listed on the Department of General Services (DGS), Office of Fleet and Asset Management's (OFAM) website. The ZEV/Hybrid First purchasing requirement exists in addition to a department's annual, light-duty ZEV purchasing requirements in all applicable vehicle categories where ZEV and Hybrid options are available through the state vehicle contract, and where it is programmatically feasible.

This ZEV and Hybrid First Purchasing requirement is in addition to the annual Light-Duty ZEV Purchasing requirements outlined in SAM section 4121. Vehicles exempt from the SAM section 4121 are not subject to this policy.

~~Agencies~~When submitting a ~~F~~leet ~~A~~cquisition ~~P~~lan (FAP) to ~~the D~~epartment of General Services, Office of Fleet and Asset Management (OFAM) for approval of new or the acquisition of additional or replacement vehicles, as required by ~~mandated in SAM~~ ~~s~~ection 4120, must follow the vehicle selection priority guidelines outlined below. ~~state agencies shall select vehicles in light-duty categories subject to this policy based on the following priority structure:~~

- Priority 1: Pure ZEVs, including battery electric vehicles (BEVs) and fuel cell vehicles (FCVs) (Battery Electric & Fuel Cell Vehicles)
- Priority 2: Plug-in Hybrid Electric Vehicles (PHEVs) ZEVs
- Priority 3: Hybrid Electric Alternative Fuel Vehicles
- Priority 4: ICE vehicles, including bi-fuel and flex-fuel vehicles (internal Combustion and Bi/Flex-Fuel Vehicles)

~~If requesting a vehicle subject to this policy in a Priority level other than Pure ZEV, agencies must be able to sufficiently demonstrate and justify why their programmatic transportation requirements could not be satisfied with a vehicle from each higher Priority level. Each requested drop in Priority level must be fully justified in accordance with criteria outlined in the "ZEV & Hybrid Priority Level Exemptions" section below. Select the highest-priority vehicle available on the state vehicle contract unless OFAM approves a ZEV and Hybrid Priority Level Exemption.~~

~~Exemptions~~ ~~This requirement does not apply to requests for vehicles with special performance requirements necessary for the protection of public safety and welfare.~~

ZEV & Hybrid Priority Level Exemptions

Agencies seeking a priority level exemption must submit a formal exemption request to OFAM. Requests must follow the procedures and justification requirements outlined in the ZEV and Hybrid Priority Level Exemption Criteria published on the OFAM website. Future updates to the exemption criteria will be communicated through DGS Management Memos.

~~requesting exemptions from ZEV and Hybrid AFV Priority levels must submit justifications and/or certifications, in accordance with the guidelines below, with the~~

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~~agency's Fleet Acquisition Plan (FAP) for each vehicle being exempted. To be approved for exemption from a Priority level, vehicles must meet one of the exemption criteria listed for that Priority level and agencies must provide the certification and/or justification required for that specific exemption.~~

Responsibilities

OFAM

1. Approve or deny ZEV and Hybrid First Purchasing Mandate Exemption requests in accordance with this policy.
2. Monitor the progress of ZEV adoption across the state fleet to ensure alignment with statewide sustainability goals.

Agency

1. Prioritize the acquisition of the highest priority vehicle available on the state vehicle contract.
2. Submit exemption requests with all required narrative justifications and supporting data for each asset requested to be exempt from the ZEV and Hybrid First Purchasing Mandate.

Resources

- FAP questions: FAMSSupport@dgs.ca.gov
- Fleet policy questions: FleetPolicy@dgs.ca.gov

~~Priority 1: Pure ZEVs (Battery Electric & Fuel Cell Vehicles)~~

Exemptions

~~Range Limitations: vehicle requested is used more than 72 times in a 12 month period, or 36 times in a 3 month period, for trips lasting less than 24 hours that exceed the mileage range of the Pure ZEV on contract in that vehicle category, or;~~

~~Charging/Fueling Availability: vehicle requested is used more than 72 times in a 12 month period, or 36 times in a 3 month period, for trips lasting more than 24 hours in locations with limited and/or unreliable fueling/charging stations, or;~~

~~Cargo/Passenger Capacity: vehicle requested has a demonstrated need for cargo/passenger capacity that exceeds the capacity available in the Pure ZEV on contract in that vehicle category.~~

Required Certifications/Justifications

Range Limitations

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~~Directorate level certification, to be included on the FAP Certification, that the vehicle(s) being requested will be used more than 72 times in a 12-month period, or 36 times in a 3-month period, for trips lasting less than 24 hours that exceed the mileage range of the Pure ZEV on contract in that vehicle category, or;~~

Charging/Fueling Availability

~~Directorate level certification, to be included on the FAP Certification, that the vehicle(s) being requested will be used more than 72 times in a 12-month period, or 36 times in a 3-month period, for trips lasting more than 24 hours in locations with limited and/or unreliable fueling/charging stations, or;~~

Cargo/Passenger Capacity

~~Narrative justification demonstrating why the cargo/passenger capacity of a Pure ZEV on contract would not meet the agency's operational needs. Justification must be comprehensive and should include the following:~~

~~Narrative describing the vehicle's operational function and what about that function requires an increased cargo/passenger capacity, and;~~

~~Detailed interior space or trunk space requirements, including the number of people being transported and/or a detailed listing of the items being transported that require increased space.~~

Priority 2: Plug-in Hybrid ZEVs

Exemptions

~~Cargo/Passenger Capacity: vehicle requested has a demonstrated need for cargo/passenger capacity that exceeds the capacity available in the Plug-in Hybrid ZEV on contract in that vehicle category.~~

Required Certifications/Justifications

Cargo/Passenger Capacity

~~Narrative justification demonstrating why the cargo/passenger capacity of a Plug-in Hybrid on contract would not meet the agency's operational needs. Justification must be comprehensive and should include the following:~~

~~Narrative describing the vehicle's operational function and what about that function requires an increased cargo/passenger capacity, and;~~

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~~Detailed interior space or trunk space requirements, including the number of people being transported and/or a detailed listing of the items being transported that require increased space.~~

~~Priority 3: Hybrid Electric Alternative Fuel Vehicles~~

~~Exemptions~~

~~Environmental Impact: vehicle requested has a higher U.S. Environmental Protection Agency (EPA) Fuel Economy and Greenhouse Gas Emissions score (1 through 10 scale, with 10 being the best) than the contracted hybrid in that vehicle category.~~

~~Required Certifications/Justifications~~

~~Comparison of the Environmental Protection Agency's (EPA) Fuel Economy and Greenhouse Gas Emissions score for the requested vehicle to the EPA score of the comparable Hybrid-Electric AFV on statewide contract. EPA Fuel Economy and Greenhouse Gas Emissions scores can be found by:~~

~~Use the "Find a Car" feature on [Fuel Economy Web Site](#) to look up the vehicle for which you would like the score.~~

~~Once at the vehicle's information page, click on the "Energy and Environment" tab to find the Greenhouse Gas Emissions score.~~