

SAM — LIGHT-DUTY EXECUTIVE ORDER B-16-12 ZERO EMISSION VEHICLE PURCHASING MANDATE

LIGHT-DUTY EXECUTIVE ORDER B-16-12 ZERO EMISSION VEHICLE PURCHASING MANDATE _____ – 4121 (Revised: 12/202616)

Legal Authority

Health and Safety Code section 38562.4
Executive Order B-16-12

Definitions

Field Employee: An employee whose official duties include substantial field work (greater than 50 percent) outside a central work location.

Fleet Acquisition Plan: Defined in section 4120.

Light-Duty Vehicle: A vehicle or mobile equipment with a Gross Vehicle Weight Rating (GVWR) of 8,500 pounds or less. For this policy, ½-ton pickups are considered light-duty irrespective of their GVWR.

Mobile Office: For this policy, a mobile office is a state vehicle consistently used as a primary field workspace. This designation applies only when the vehicle is essential for regularly completing official documentation, securely accessing digital systems, or performing other critical tasks that cannot reasonably occur elsewhere. The classification of a vehicle as a mobile office must be supported by operational necessity, not incidental or occasional use.

Public Safety Special Performance: Vehicles that have special performance requirements necessary for the protection of public safety and welfare, as defined in SAM section 4121.4.

Zero-Emission Vehicle: A vehicle that produces no tailpipe emissions or other pollutants during operation. Battery Electric Vehicles and Fuel Cell Vehicles are considered pure ZEVs, whereas plug-in hybrid electric vehicles are regarded as transitional ZEVs.

Policy

In support of the state's sustainability initiatives, such as Executive Order (EO) N-79-20 and the ZEV Pledge for the Public Fleets, state agencies (agencies) shall continue to incorporate more Zero-Emission Vehicles (ZEVs) in their fleets.

In alignment with the state's goal of achieving net-zero greenhouse gas emissions from state agency operations by 2035, as outlined in Health and

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Safety Code section 38562.4, agencies must ensure that beginning Fiscal Year 2026-27, at least 60 percent of their Light-Duty (LD) fleet acquisitions are ZEVs. This requirement shall increase by 10 percent annually until it reaches 100 percent by fiscal year 2030-31.

The table below outlines annual requirements. Pursuant to Executive Order (EO) B-16-12 state agencies are required to increase the number of zero emission vehicles (ZEV) within the state fleet through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty (LD) vehicles are ZEV by 2015 and 25 percent by 2020. In accordance with the Governor's 2016 ZEV Action Plan, beginning in Fiscal Year (FY) 2017/2018, state agencies will be required to increase upon EO B-16-12's 10 percent ZEV purchasing requirement by 5 percent each year through FY 2024/2025. As EO B-16-12 presently directs each state agency to ensure that at least 10% of its annual LD fleet purchases be a ZEV, a state agency will now be required to increase its annual LD ZEV purchasing as follows:

Fiscal Year	EO B-16-12 ZEV Purchasing Requirements (CURRENT)	EO B-16-12 ZEV Purchasing Requirements (NEW)
2014/2015	10%	10%
2015/2016	10%	10%
2016/2017	10%	10%
2017/2018	10%	15%
2018/2019	10%	20%
2019/2020	25%	25%
2020/2021	25%	30%
2021/2022	25%	35%
2022/2023	25%	40%
2023/2024	25%	45%
2024/2025	25%	50%

<u>LD ZEV Acquisition Percentage Requirements by Fiscal Year</u>			
<u>Fiscal Year</u>	<u>EO B-16-12 Requirement</u>	<u>2016 ZEV Action Plan Requirement</u>	<u>Net-Zero Emission Requirements</u>
<u>2014-15</u>	<u>10%</u>	<u>10%</u>	<u>N/A</u>
<u>2015-16</u>	<u>10%</u>	<u>10%</u>	<u>N/A</u>
<u>2016-17</u>	<u>10%</u>	<u>10%</u>	<u>N/A</u>
<u>2017-18</u>	<u>10%</u>	<u>15%</u>	<u>N/A</u>
<u>2018-19</u>	<u>10%</u>	<u>20%</u>	<u>N/A</u>
<u>2019-20</u>	<u>25%</u>	<u>25%</u>	<u>N/A</u>
<u>2020-21</u>	<u>25%</u>	<u>30%</u>	<u>N/A</u>

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<u>2021-22</u>	<u>25%</u>	<u>35%</u>	<u>N/A</u>
<u>2022-23</u>	<u>25%</u>	<u>40%</u>	<u>N/A</u>
<u>2023-24</u>	<u>25%</u>	<u>45%</u>	<u>N/A</u>
<u>2024/25</u>	<u>25%</u>	<u>50%</u>	<u>N/A</u>
<u>2025/26</u>	<u>N/A</u>	<u>N/A</u>	<u>50%*</u>
<u>2026/27</u>	<u>N/A</u>	<u>N/A</u>	<u>60%</u>
<u>2027/28</u>	<u>N/A</u>	<u>N/A</u>	<u>70%</u>
<u>2028/29</u>	<u>N/A</u>	<u>N/A</u>	<u>80%</u>
<u>2029/30</u>	<u>N/A</u>	<u>N/A</u>	<u>90%</u>
<u>2030/31</u>	<u>N/A</u>	<u>N/A</u>	<u>100%</u>

*Purchasing requirement for FY 25-26 remains 50 percent.

Each ZEV acquired by a state agency earns ZEV credits that count toward the agency's purchasing requirement compliance. For details on ZEV credit ratios by ZEV type, refer to the SAM [section 4121.3](#).

~~ZEVS include pure zero emission vehicles such as hydrogen fuel cell vehicles (FCVs) and battery electric vehicles (BEV). Plug-in hybrid electric vehicles (PHEVs) are considered transitional ZEVS and may be partially considered toward the ZEV requirement. Additionally, medium duty (MD) and heavy duty (HD) ZEV and PHEV purchases may also be considered for the fulfillment of the LD ZEV requirement.~~

Exemptions

PSSP Assets:

Under EO B-16-12 and SAM [section 4121.4](#), vehicles with special performance requirements necessary for public safety and welfare (PSSP vehicles) qualify for exemption from this mandate. To request a PSSP exemption, agencies must submit an accurate and complete OFAM 163 – PSSP Exemption Request form along with their Fleet Acquisition Plans (FAPs).

Field Operation Assets – Beginning fiscal year 2026-27:

Assets assigned to field employees may be exempt if they meet one of the following criteria:

- a. The vehicle is used as a cooling station in compliance with California Occupational Safety and Health Administration (Cal/OSHA) Title 8, Section 3395.
- b. The vehicle functions as a mobile office, and the field employee is assigned to or frequently travels to areas with limited or no access to charging stations.
- c. The vehicle must idle or power auxiliary equipment to perform job duties, and a ZEV's battery capacity is insufficient to meet this need.

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- d. The vehicle is assigned to an employee required by their duty statement to be on call 24/7 for rapid deployment as needed.

To request a field operation exemption, agencies must submit a detailed justification that clearly demonstrates how the asset meets specific criteria. This justification must include an evaluation of ZEVs available on the state vehicle and explain why none can meet the agency's operational needs. Agencies are required to include supporting documentation, such as telematics reports, trip logs, area maps, classification duty statements, and vehicle specification charts. However, consideration towards the LD ZEV requirement will be based on their certified electric driving range established by the California Air Resources Board (CARB). See SAM Section 4121.3 "ZEV Credits and Credit Ratios", for credit information and ranges.

ResponsibilitiesTo meet the expanded ZEV purchasing targets, beginning in FY 2017/2018 state agencies are required to purchase ZEVs (including Battery Electric, Fuel Cell, and Plug-In Hybrid) and Hybrid Electric Alternative Fuel Vehicles (Hybrid AFVs), in designated light-duty vehicle categories, in lieu of light-duty vehicles that are powered solely by internal combustion engines utilizing fossil fuels and flex-fuel vehicles or bi-fuel vehicles powered by petroleum-based fuels. See SAM Section 4121.1, "ZEV & Hybrid First Purchasing Mandate" for more details.

When submitting a FAP, agencies must demonstrate they have sufficient ZEV charging/fueling infrastructure to support their current and future ZEV purchases. See SAM Section 4121.6, "ZEV Infrastructure Readiness" for information necessary to sufficiently demonstrate proper ZEV charging/fueling infrastructure.

At least half (50 percent) of the vehicles required to comply with the ZEV purchasing mandate must be pure ZEVs, unless an agency meets the exemption criteria listed in SAM Section 4121.2 "50 Percent Pure ZEV Purchasing Exemption".

LD vehicles having special performance requirements necessary for the protection of public safety and welfare are exempted from these mandates. See the SAM Section 4121.4 "EO B-16-12 Public Safety Special Performance Exemption" for details.

All FAPs that do not meet these new purchasing requirements will not be processed.

OFAM:

1. Review agency FAPs to ensure they meet the annual LD ZEV purchasing requirement.

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2. Monitor progress of the state fleet ZEV adoption to ensure that the state is moving towards its sustainability goals.

Agency:

1. Ensure FAPs comply with this policy. Asset acquisition requests that do not comply with policy requirements will not be approved.

Resources

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