



OLYMPIC VALLEY PUBLIC SERVICE DISTRICT



EXHIBIT F-2
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CALIFORNIA AIR RESOURCES BOARD ADVANCED CLEAN FLEET REGULATION

DATE: September 24, 2024

TO: District Board Members

FROM: Samuel Donahue, Operations Superintendent

SUBJECT: Advanced Clean Fleet Regulation

BACKGROUND: The California Air Resources Board (CARB) has adopted the Advanced Clean Fleet (ACF) Regulation, which became effective on October 1, 2023. The regulation established stringent emission standards for mobile sources to protect public health and welfare in California and mitigate the impacts of climate change. The ACF regulation requires “well-suited” fleets to begin electrification to reduce emissions based on fleet size and type. The Regulation is a phase-in approach to minimize the impact on the fleet owners while also requiring manufacturers to produce only zero-emission vehicles (ZEV).

DISCUSSION: The regulation affects on-road vehicles with a gross vehicle weight rating (GVWR) over 8,500 lbs. Beginning in 2027, any District vehicles in this classification that needs replacement must be replaced with a zero-emission vehicle (ZEV). The ZEVs must match the capabilities of the internal combustion engine (ICE) vehicle counterpart (4x4, Payload, Range, etc.). Certain vehicle types are exempt from this regulation.

ALTERNATIVES: This report is informational only; no action is requested from the Board.

FISCAL/RESOURCE IMPACTS: The District will budget accordingly for future vehicle replacement costs and installation of charging infrastructure.

RECOMMENDATION: This report is informational only; no action is requested from the Board.

ATTACHMENTS: CARB ACF Presentation.

DATE PREPARED: September 19, 2024





Advanced Clean Fleet Rule

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Advanced Clean Fleets Regulation Overview

- ACF is part of California Air Resources Board (CARB)'s overall strategy to accelerate a large-scale reduction in tailpipe emissions focusing on zero-emissions medium- and heavy-duty vehicles.
- This regulation works in conjunction with the Advanced Clean Trucks regulation, approved in 2021, which helps ensure that zero-emissions vehicles (ZEV) are available for sale.
- The regulation is critical to achieving both our health-protective ambient air quality standards and the State's climate goals, and is expected to save \$26.5 billion in statewide health benefits and provide a net cost savings of \$4.8 billion to fleets.

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Which Fleets Does The ACF Regulation Affect?

Medium- and heavy-duty on-road vehicles with a gross vehicle weight rating greater than 8,500 pounds, off-road yard tractors, and light-duty mail and package delivery vehicles within three types of fleets

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The Three Categories of Fleets

Drayage Fleets	High Priority and Federal Fleets	State And Local Agencies
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Drayage Fleets





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High Priority and Federal fleets





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State And Local Agencies





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State and Local Agency Fleets - OVPSD

- 50 % of vehicle purchases are zero-emission vehicles (ZEV) beginning in 2024, and 100 % of vehicle purchases are zero-emissions beginning 2027
- Must initially submit a compliance report by April 1, 2024.
- Small government fleets of 10 or fewer vehicles and those in designated counties would start their ZEV purchases beginning in 2027.
- Determine whether any vehicles are Exempt:

Exempt Vehicles
 Historical vehicles
 Dedicated snow removal vehicles
 Two engine vehicles
 Emergency vehicles
 Military tactical
 School buses
 Vehicles awaiting sale

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How Will This Regulation Affect Existing Trucks or Equipment?

Explore exemptions that pertain to our fleet

May keep existing vehicles past the end of the vehicle's useful life

Must purchase ZEV if it is available to suit the need

If no ZEV, then purchase Internal Combustion Engine (ICE)



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OVPSD Operations' Fleet

Under 8,500 lbs GVWR	Over 8,500 lbs GVWR	Off Road
2015 Ford F-150 Service Truck 209,958 mi EXEMPT	2014 Dodge Ram 2500 66,934 mi	2007 New Holland Tractor Snowblower 696 hrs EXEMPT
2016 Ford Explorer PI 35,800 mi EXEMPT	2007 Ford F-350 Flatbed 51,627 mi	1998 John Deere Loader 4,284 hrs EXEMPT
1998 Ford Explorer 130,289 mi EXEMPT	2023 Dodge Ram 2500 2,535 mi	2018 John Deer Backhoe 1,038 hrs EXEMPT
2023 Chevy Tahoe 3000 mi (Fire) EXEMPT	2007 Ford Dump Truck 11,900 mi	2014 Trackless Snowblower 1,628 hrs EXEMPT
2011 F-150 Ford Utility (Fire) EXEMPT	2009 Vac Con 10,421 mi EXEMPT	

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Potential Fleet Purchase Schedule

Equipment Type	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	FY 33/34
Fleet										
2014 Ram 2500 w/ Utility Box										
2007 Ford F-350 - Flat Bed			X							
Dodge Ram 2500					X					
2007 Ford Dump Truck								X		
2009 VacCon - Exempt						X				

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Where Do We Go From Here?

- As before the ACF program, continue to purchase replacement vehicles WHEN NEEDED
- Starting in 2027 - see if a ZEV vehicle is available that would accomplish all things an ICE vehicle would be able to do (4x4, Payload, Range)
- If none are available, ICE vehicle may be approved after an exemption form is submitted to CARB
- Currently looking into how we will charge these new work trucks when we do purchase. (charging stations, pedestals, new electrical service lines, etc.)



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