



Zero-Emission Forklift Regulation

For informational use only

Regulation Overview

Adopted by the CARB Board in June 2024

- Approved by the CA Office of Administrative Law September 2024

Affected Forklifts:

- Large spark ignition (LSI)
- Propane, natural gas, or gasoline
- Class IV and V

Initiate discussions with electric utility provider

- By March 31, 2026 regarding necessary upgrades

2026 Requirements:

- LSI Forklifts cannot be manufactured or sold in California
- Fleet operators may not acquire LSI Forklifts

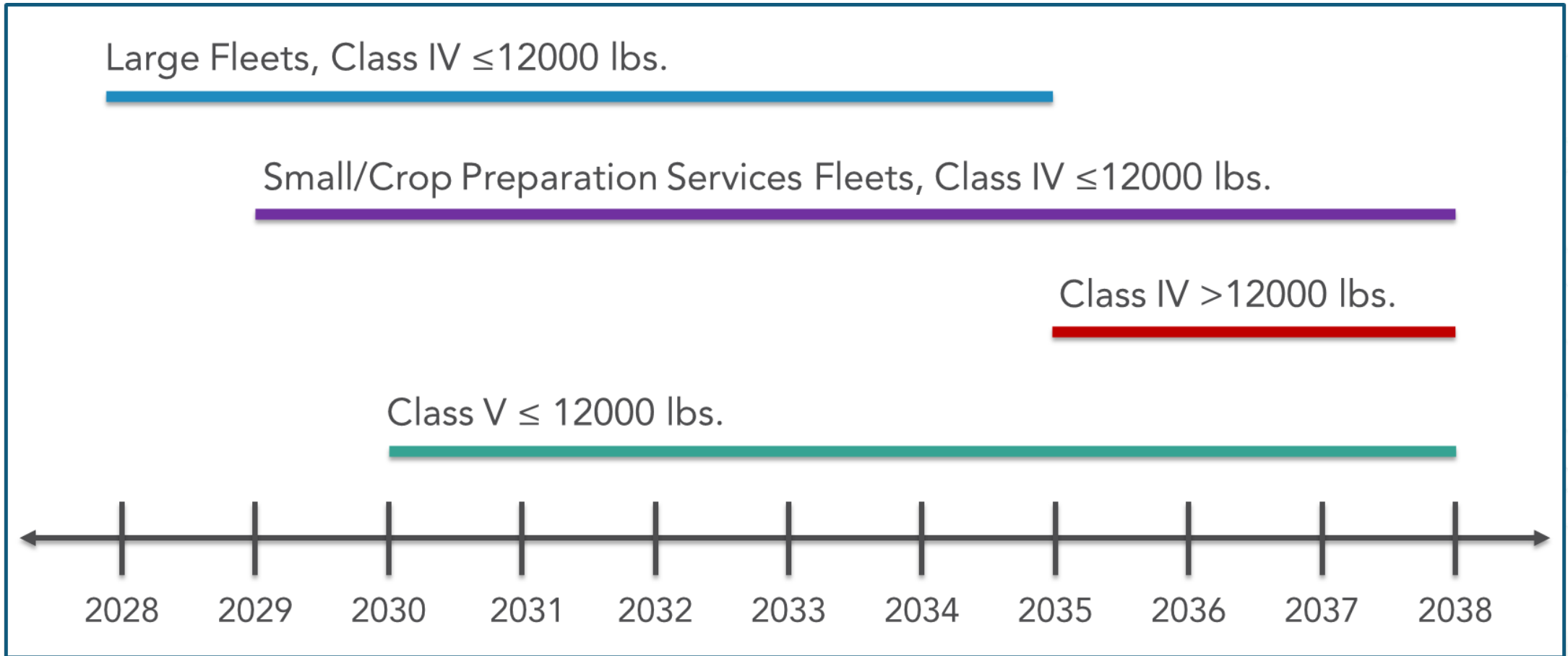
2028-2038 Requirements

- LSI Forklifts to be phased out by model year
- Allow at least 10 years of use beyond model year

Less stringent provisions available:

- Agricultural Crop Preparation Services
- Small Fleets
- Microbusinesses

Forklift MY Phase-out Timeline



Large Fleets: Greater than 25 LSI & ZE forklifts combined

Small Fleets: 25 or less LSI & ZE forklifts combined

Forklift MY Phase-out Schedule

Starting	Class IV <= 12,000 lbs	Alternative* Class IV <= 12,000 lbs	Class IV > 12,000 lbs	Class V <= 12,000 lbs
2028	2018 MY & older**	-	-	-
2029	-	2016 MY & older**	-	-
2030	-	-	-	2017 MY & Older**
2031	2019 –2021 MY	-	-	-
2032	-	2017 –2019 MY	-	-
2033	2022 & 2023 MY	-	-	2018 –2020 MY
2034	-	2020 & 2021 MY	-	-
2035	2024 & 2025 MY	-	2025 MY & older	2021 & 2022 MY
2036	-	2022 & 2023 MY	-	-
2038	-	2024 & 2025 MY	Alternative* 2025 MY & older	2023 –2028 MY***

* Alternative Schedule Available to Small Fleets & Agricultural Crop Preparation Services

** Eligible for phase-out percentage cap

*** Includes 2026 through 2028 MY Class V LSI Forklifts in Rental Agency Revenue Fleets

Exemptions and Extensions

Exemptions

- Low-Use
- Dedicated Emergency Forklifts
- Out-of-State Delivery
- San Nicolas and San Clemente Islands
- In-Field Forklift

Extensions

- ZEF Delivery Delay
- Infrastructure Construction
- Infrastructure Site Electrification
- Operational Extension

Estimated Health Benefits and Cost Savings of Regulation

- From 2026 to 2043, significant reductions in adverse health cases are expected to be seen across all ages in the state.
- Cumulative cost-savings from full implementation of the Regulation through calendar year 2043 are estimated as follows:
 - **\$7.5 billion in health benefit savings;**
 - **\$0.25 to \$1 billion in social cost of carbon savings (SC-CO2);**
and
 - **\$2.7 billion in net fleet cost savings.**

Learn More

Approved at Board Hearing on June 27, 2024, Office of Administrative Law September 17, 2024.

Website:

<https://ww2.arb.ca.gov/our-work/programs/zero-emission-forklifts>

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Scan for ZEF website
www.arb.ca.gov/zef