

User Guide: How to Report for Renewable Diesel Cold Weather Exemptions

In-Use Off-Road Diesel-Fueled Fleets Regulation

This user guide describes the reporting process for renewable diesel (RD) cold weather exemptions under the California Air Resources Board (CARB) In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation). Fleets may use public or private weather station data in their analysis when determining if the fleet, fleet portion, or vehicle is located or operated in a location where the minimum ambient air temperature drops below 20 degrees Fahrenheit (20° F).

Exemptions (Section 2449.1(f)(2)(C) - (D))

- Cold Weather Exemptions: There are two types of low temperature exemptions that provide flexibility to mitigate potential performance issues when using renewable diesel at cold temperatures. In both cases, the temperature threshold is 20° F, and both exemptions require additional reporting, as outlined below.

Winter low temperature exemption

1. Report location (city and zip code) of the fleet or fleet operations.
2. Report the 10th percentile minimum ambient air low temperature in January for that location:
 - a. CARB staff recommends using data from the [National Weather Service \(NWS\)](#). [Please see user video](#) on how to retrieve temperature data from NWS website.
 - b. To determine the tenth (10th) percentile minimum ambient air low temperature, fleets may use public or private weather station data and the analysis may consider up to ten years of historic low temperature data. The 10th percentile is the value below which 10 percent of the data, when sorted from smallest to largest, fall.

While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any CARB regulation, nor does it constitute legal advice. It is the sole responsibility of fleets to ensure compliance with the Regulation for In-Use Off-Road Diesel-Fueled Fleets.

Date	Temperature		
	Maximum	Minimum	
2024-01-11	51	32	
2024-01-07	50	34	
2024-01-06	53	37	
2024-01-10	51	37	
2024-01-01	58	40	
2024-01-08	54	41	
2024-01-12	51	41	
2024-01-05	54	43	
2024-01-15	51	43	
2024-01-02	57	44	
2024-01-03	52	44	
2024-01-04	58	44	
2024-01-09	53	44	
2024-01-16	55	45	
2024-01-25	60	46	
2024-01-14	55	47	
2024-01-17	58	48	
2024-01-18	64	48	
2024-01-19	68	48	
2024-01-13	56	49	
2024-01-29	69	49	
2024-01-31	66	49	
2024-01-20	58	50	
2024-01-23	56	50	
2024-01-24	60	50	
2024-01-26	62	50	
2024-01-22	61	51	
2024-01-28	67	51	
2024-01-21	68	51	
2024-01-30	71	54	
2024-01-27	63	55	

10th Percentile



- c. For example, the fleet owner uses ten years of recorded January low temperature data for their location, that would total 310 data points given there are 31 days in January. The data is sorted by temperature from low to high and the 10th percentile, in this case is the 31st data point, must be below 20^o F for the exemption to apply:

10th percentile equals: (31 days in January) multiplied by (10 years of January data) = 310 data points. (310 data points) multiplied

While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any CARB regulation, nor does it constitute legal advice. It is the sole responsibility of fleets to ensure compliance with the Regulation for In-Use Off-Road Diesel-Fueled Fleets.

by (10%) = 31; the 10th percentile is the 31st data point (i.e., 55⁰ F) sorted from lowest to highest.

3. Report the volumes of renewable diesel and conventional diesel procured and used for the entire fleet from mid-October through February, including composition (i.e., blend) if known.
4. Report must be submitted to CARB by April 30th after each period exemption is used. For example, for the period mid-October 2024 through February 2025, fleets must submit the report by April 30, 2025.
 - a. Submit electronically by emailing to doors@arb.ca.gov; or
 - b. Mail to:
California Air Resources Board
Mobile Source Control Division (In-Use Off-Road Diesel)
P.O. Box 2815
Sacramento, CA 95812

Intermittent low temperature exemption

1. Report location (city and zip code) of the fleet or operations.
2. Report the volumes of renewable diesel and conventional diesel used for the entire fleet during the exemption period.
3. Report records of high and low temperatures for each day conventional diesel is used.
 - a. Printout or screenshot that includes the date and data source.
4. Submit report to CARB within two weeks of the end of such use.
 - a. Submit electronically by emailing to doors@arb.ca.gov; or
 - b. Mail to:
California Air Resources Board
Mobile Source Control Division (In-Use Off-Road Diesel)
P.O. Box 2815
Sacramento, CA 95812

While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any CARB regulation, nor does it constitute legal advice. It is the sole responsibility of fleets to ensure compliance with the Regulation for In-Use Off-Road Diesel-Fueled Fleets.

The following checklists can be used for the appropriate cold weather exemption below to assist your fleet in meeting compliance and reporting requirements per Section 2449(g)(5)(A) and Section 2449(g)(5)(B). Please provide documentation on company letterhead (if applicable).

[Section 2449\(g\)\(5\)\(A\) - Winter Low Temperature Exemption](#)

- ☐ DOORS ID, Company Name, Date
- ☐ Location of fleet or operations (city and zip code)
- ☐ Provide the tenth percentile low temperature for January and weather service provider used
- ☐ Provide the volume of renewable diesel procured and used during October through February, including composition, if known.
- ☐ Provide the volume of conventional diesel procured and used during October through February, including composition, if known.
- ☐ Submit report by April 30 after each period the exemption is used

[Section 2449\(g\)\(5\)\(B\) - Intermittent Low Temperature Exemption](#)

- ☐ DOORS ID, Company Name
- ☐ Location of fleet or operations (city and zip code)
- ☐ Volume of renewable and conventional diesel used during the exemption period
- ☐ Records of high and low temperatures for each day conventional diesel is used. Must include either a printout or screenshot that includes the date and data source.
- ☐ Submit report within two weeks of the end of use of exemption

For more information on reporting, please refer to our DOORS user guides, which are available in the Off-Road Zone at www.arb.ca.gov/offroadzone.

If you require additional assistance or information, please contact the DOORS hotline by phone at (877) 59DOORS (877-593-6677) or by email at doors@arb.ca.gov.

While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any CARB regulation, nor does it constitute legal advice. It is the sole responsibility of fleets to ensure compliance with the Regulation for In-Use Off-Road Diesel-Fueled Fleets.