



How to Locate Renewable Diesel (R99 or R100)

Beginning January 1, 2024, all California fleets subject to the In-Use Off-Road Diesel-Fueled Fleets (Off-Road) Regulation are required to procure and use only R99 or R100¹ renewable diesel fuel in all off-road vehicles subject to the Off-Road Regulation, with some limited exceptions.

This user guide provides a summary of information to help fleets locate stations with R99 or R100 in their area.

Alternative Fuels Data Center – Alternative Fueling Station Locator

The United States Department of Energy's Alternative Fuels Data Center (AFDC) provides an interactive map tool that includes voluntarily submitted data from fueling stations in the United States. This map can be used to locate renewable diesel in a specified location. It is important to note that this map includes R20 and above renewable diesel. Only R99 and R100 renewable diesel satisfy the renewable diesel requirements in the Off-Road Regulation [section 2449.1\(f\)](#). Additionally, this list is not comprehensive, and stations not listed on the map may have R99 or R100 available.

Using the Station Locator Map:

1. Go to the Station Locator at <https://afdc.energy.gov/stations#/find/nearest>.
2. **In the Enter Location box:** enter a zip code, city and state, or address.
3. **From the All Fuels dropdown:** select Renewable Diesel (R20 and above).

Alternative Fueling Station Locator

Find alternative fueling stations in the United States and Canada. By default, this tool displays your search. For U.S. stations, see [data by state](#). For Canadian stations in French, see [Natural](#).

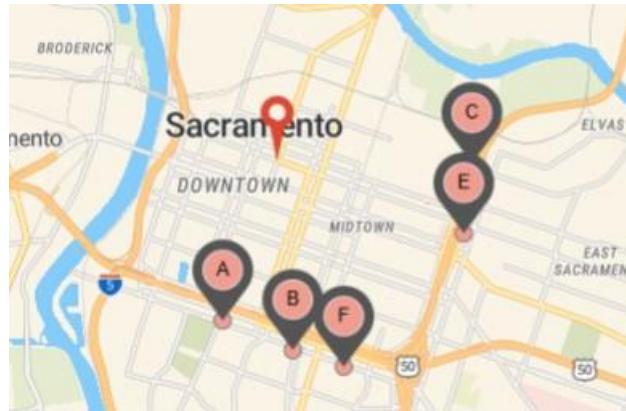
A screenshot of the Alternative Fueling Station Locator web interface. At the top, there are three tabs: "Public Stations" (selected), "Advanced Filters", and "Fuel Corridors". Below the tabs is a search bar with a red border. The search bar contains a text input field labeled "Enter location" and a magnifying glass icon. To the right of the input field is a dropdown menu labeled "All Fuels" with a downward arrow icon.

¹"Renewable diesel, R99 or R100" means a diesel fuel substitute produced from non-petroleum renewable sources, including vegetable oils and animal fats, that meets both a) title 40, Code of Federal Regulations, Part 79 -- Registration of Fuels and Fuel Additives (July 2021), which is incorporated by reference herein; and b) American Society for Testing and Materials specification D975 (approved August 1, 2021), which is incorporated by reference herein.

While this document is intended to assist fleets with their compliance efforts, it does not alter or modify the terms of any CARB regulation, is not a substitute for reading the 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.



4. The map automatically populates with pink pins where renewable diesel is available. It is important to note that these pins include renewable diesel blends of R20 or above.



Finding R99 or R100:

Clicking on the pink pins will reveal more information about the station, including available renewable diesel blends (e.g., R95, R99, etc.). When there is an abundance of stations in your search area, it can be beneficial to download station data as a .csv file (spreadsheet) and filter for R99 or R100 diesel. Instructions for downloading station locator data are provided below.

Downloading Station Locator Data:

1. Select the Advanced Filters tab.



2. Select the Location tab and filter by a specific address (e.g., your job site or equipment yard) and mile radius.

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The 'Filter by Location' interface includes a sidebar with three tabs: 'Location' (selected), 'Fuel', and 'Station'. The main area shows a 'Country' dropdown set to 'U.S. and Canada', radio buttons for 'State/Province/Territory' and 'Specific Address' (the latter is selected), a text input field containing '1001 I St, Sacramento, CA', and a search icon. Below this is a 'Limit results to within' section with a value of '15' and a 'miles' unit. A 'clear all filters' link is at the bottom right.

3. Select the Fuel tab and filter by Renewable Diesel (R20 and above).

The 'Filter by Fuel Type' interface shows the 'Fuel' tab selected in the sidebar. The main area lists various fuel types with checkboxes: 'All Fuels', 'Biodiesel (B20 and above)', 'Compressed Natural Gas (CNG)', 'Electric', 'Ethanol (E85)', 'Hydrogen', 'Liquefied Natural Gas (LNG)', 'Propane (LPG)', and 'Renewable Diesel (R20 and above)'. The 'Renewable Diesel (R20 and above)' checkbox is checked.

4. Use the Station tab to further filter for vehicle accessibility, owner, facility type, and payment type, as desired.
5. Select "Download Station Locations" on the lower right to save location data as a .csv file.

The 'Filter by Station Details' interface shows the 'Station' tab selected in the sidebar. The main area contains several filter sections: 'Access' with 'Public' checked; 'Status' with 'Available' checked; 'Vehicle Accessibility' with a dropdown set to 'All'; 'Owner' with a dropdown set to 'All'; 'Facility Type' with a dropdown set to 'All'; and 'Payment' with a dropdown set to 'All'. A 'clear all filters' link is at the bottom. On the right, a dark sidebar shows 'Map Results' with '1,505 station locations'. Below this, 'Filters chosen:' lists 'U.S. and Canada', 'Renewable Diesel (R20 and above)', and 'Access: Public'. At the bottom of this sidebar, a red box highlights the 'Download Station Locations' button.

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- Open the downloaded spreadsheet and use the bottom scroll bar to locate the “RD Blends” column. This column is located near the rightmost end of the spreadsheet (column BP).

BO	BP	BQ	BR	BS
Restricted	RD Blends	RD Blends	RD Blends	RD Maximum
FALSE	RD80		Y	20
FALSE	RD95		N	
FALSE	RD95		Y	5
FALSE	RD80		Y	20
FALSE	RD95		N	
FALSE	RD95		Y	5

- Highlight the RD Blends column and use Excel’s Sort & Filter > Filter buttons under the Editing group to apply a filter to the column. A small gray box with an arrow will appear in the column header.



- Click on the arrow at the top of the column and uncheck any blends except RD99 or RD100 (R99 and R100, respectively).



- Scroll back to the left. Only station locations with R99 or R100 diesel are now shown. These are stations that provide fuel that meets the renewable diesel requirements in the Off-Road Regulation. If no stations are shown, no stations that carry R99 or R100 within the specified mile radius of your selected address have reported to the Alternative Fuels Data Center. Renewable Diesel may be available at stations not reported to AFDC.

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Fuel Provider Station Locators

Various fuel providers offer station finder maps for their own fueling stations that may assist fleets in finding renewable diesel near them. Links are provided below for some of these maps. You may need to apply filters to find stations with renewable diesel. Additional research may be needed to verify that the stations carry R99 or R100. Please note that, because preference for a specific fuel provider is not considered a necessary component of a fleet's normal refueling method, fuel provider station locators alone are not acceptable documentation of inability to procure renewable diesel.

[Arco Renewable Diesel Locator](#)

[Chevron Station Locator](#)

[Shell Service Station Locator](#)

[76 Station Finder](#)

For more information on reporting, refer to our other guides, which are available in the Off-Road Zone at: <http://arb.ca.gov/offroadzone>

If you require additional assistance or information, please contact the DOORS hotline by phone at 1-877-59DOORS (1-877-593-6677), or by email at doors@arb.ca.gov.

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