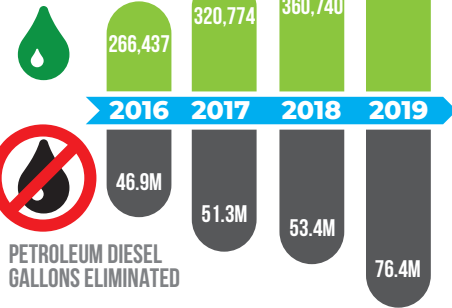




# BIODIESEL: THE NORTHWEST'S CARBON SOLUTION

## Environmental Solutions

BIODIESEL AND RENEWABLE DIESEL CLEAN FUEL CREDITS



More than one-third of Oregon Clean Fuels Program (CFP) credits are generated by **biodiesel and renewable diesel each year.**

Oregon Clean Diesel Initiative strategies for reducing diesel exhaust include: burning less fuel and **burning cleaner fuel.**

Particulate matter emissions **dropped by almost half when using B100** (100% biodiesel), and by **12% when using B20** (20% biodiesel).

Global warming impact from CO<sub>2</sub> emissions **dropped by as much as 80% using B100.**

Hydrocarbon emissions were **reduced by nearly 75% using B100.**

Carbon monoxide emissions decreased **48% with B100.**

## Economic Solutions

**03**  
BIODIESEL PRODUCTION FACILITIES

**127M** gallons of production capacity  
**4,000** full time jobs  
**\$990M** in economic activity

**10.6%**  
In 2016, Oregon's diesel fuel contained on average **6.7% biodiesel and renewable diesel.** By 2019, the average blend percentage **increased to 10.6%, which equals 56.7 million gallons of clean fuel.**

**14%**  
In 2017, Washington state agencies' biodiesel purchases reached a record **1.2 million gallons or 14% of all diesel fuel.** This was the seventh year in a row that biodiesel **topped 10% of all diesel purchases.**

## Northwest CARBON GOALS

### WASHINGTON

25% GHG reduction *by 2035*  
50% GHG reduction *by 2050*

Transportation was the largest source of GHG emissions in 2017, producing **43.5 million metric tons of CO<sub>2</sub>** and **44.6% of Washington's total emissions.**

Washington state agencies are required to purchase biodiesel for **20% of state diesel use.**

### OREGON

45% GHG reduction *by 2035*  
80% GHG reduction *by 2050*

Oregon's Clean Fuels Program requires **GHG reductions of 20% by 2030 and 25% by 2035.** Transportation was the largest source of GHG emissions in 2016, producing **25 million metric tons of CO<sub>2</sub>** and **39% of Oregon's total emissions.**

Oregon's Renewable Fuel Standard requires **every gallon of diesel fuel sold in state contain at least 5% biodiesel.**

## ABOUT BIODIESEL AND RENEWABLE DIESEL

Made from plant-based oils, used cooking oils, and animal fats

Clean-burning

Can be used in any diesel engine or heating equipment

Commercially available nationwide

Today's solution for heavy-duty trucking, emergency vehicles, bus fleets, and home or industrial heating

Data sources: Oregon Department of Environmental Quality; LMC International, "Economic Impact of the U.S. Biodiesel Industry," 2019; Washington State Department of Enterprise Services, "Biodiesel Use by Washington State Agencies," 2019; Washington State Department of Ecology; Oregon Global Warming Commission, "2018 Biennial Report to the Legislature."