

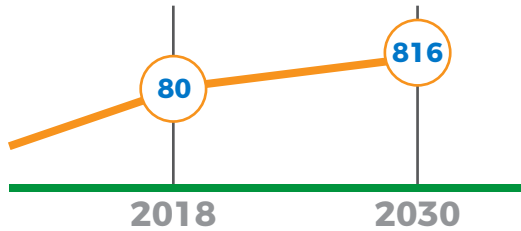
**Northeast
CARBON
REDUCTION
GOALS**

Percentage of GHG reduction by year

NEW YORK	NEW HAMPSHIRE
40% <i>by 2030</i>	20% <i>by 2025</i>
85% <i>by 2050</i>	80% <i>by 2050</i>
MAINE	VERMONT
45% <i>by 2030</i>	40% <i>by 2030</i>
80% <i>by 2050</i>	80-90% <i>by 2050</i>
CONNECTICUT	MASSACHUSETTS
80% <i>by 2050</i>	80% <i>by 2050</i>
NEW JERSEY	RHODE ISLAND
80% <i>by 2050</i>	45% <i>by 2035</i>
	80% <i>by 2050</i>

BIODIESEL: THE NORTHEAST'S CARBON SOLUTION

Environmental Solutions



MILLION GALLONS projected annual biodiesel demand for transportation and heating

One in five existing homes in the Northeast (around 4.5 million) rely on oil heat, using **more than 2.5 billion gallons yearly**.

By 2030, biodiesel will displace **529 million gallons of petroleum** in heating oil.

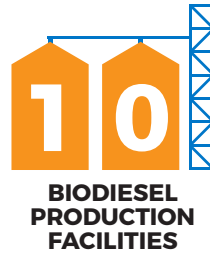
The region's biodiesel and Bioheat® use annually avoids **more than 1.5 million tons of CO2 emissions**, equivalent to **removing 320,000 vehicles from the road or the emissions from annual energy use by 180,000 homes**.

Biodiesel reduces **particulate emissions by as much as 47%** and **carbon emissions by up to 86%**, according to EPA.

State and City Initiatives

- PA:** B2 in all transportation fuels.
- NY:** Tax credit on Bioheat® blends, up to \$0.20 for B20. B5 in heating oil for Long Island and Westchester county.
- NYC:** B5 in heating oil, increasing to B20 by 2034. B20 now used in all city diesel vehicles and buildings between April and November.
- RI:** B5 in heating oil. Partial exemption on diesel road tax.
- MA:** Biodiesel is an eligible fuel in Alternative Energy Portfolio Standard.
- CT:** B20 implemented when NY, MA and RI establish similar programs.
- VT:** B7 implemented when NY, NH and MA establish similar programs.

Economic Solutions



- 155M** gallons of production capacity
- 4,950** full time jobs
- \$175M** in annual wages
- \$1.2B** in economic activity

ABOUT BIODIESEL, RENEWABLE DIESEL AND BIOHEAT®

Data source: Center for Climate and Energy Solutions; LMC International, "Economic Impact of the U.S. Biodiesel Industry," 2019; EIA Short-Term Energy Outlook; EIA "Heating Oil Explained."

- 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