

Northeast CARBON GOALS

NEW YORK

40% GHG reduction *by 2030*
85% GHG reduction *by 2050*

NEW HAMPSHIRE

20% GHG reduction *by 2025*
80% GHG reduction *by 2050*

MAINE

45% GHG reduction *by 2030*
80% GHG reduction *by 2050*

VERMONT

40% GHG reduction *by 2030*
80-90% GHG reduction *by 2050*

MASSACHUSETTS

80% GHG reduction *by 2050*

CONNECTICUT

80% GHG reduction *by 2050*

RHODE ISLAND

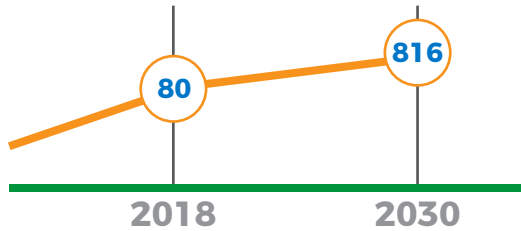
45% GHG reduction *by 2035*
80% GHG reduction *by 2050*

NEW JERSEY

80% GHG reduction *by 2050*

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 (more than 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



10
BIODIESEL PRODUCTION FACILITIES

145M



gallons of production capacity

4,600



full time jobs

\$121M



in annual wages

\$550M



in economic activity

ABOUT BIODIESEL, RENEWABLE DIESEL AND BIOHEAT®

Data source: Center for Climate and Energy Solutions; 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