

BIODIESEL CAN HELP MASSACHUSETTS ACHIEVE ITS CLEAN ENERGY GOALS

Environmental Solutions

B10 10% biodiesel blend eliminates **65.2 million gallons of petroleum in heating oil**, the equivalent of making **64,165 homes carbon neutral**.

B20 20% biodiesel produces a **14.6% reduction in CO₂ emissions and better GHG performance** than natural gas.

B50 50% biodiesel **eliminates 326.4 million gallons of petroleum in heating oil** and **2.8 million metric tons of carbon**.

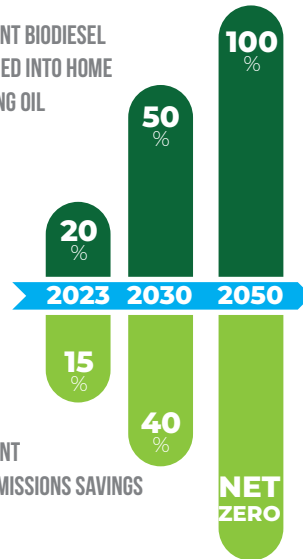
B100 100% biodiesel **eliminates 653 million gallons of petroleum in heating oil** and **5.57 million metric tons of carbon**.

90k



Boston's Fire, Parks and Recreation, Police, Property Management, Public Schools, Public Works and Transportation departments will use an estimated **90,000 gallons of B20 Bioheat®** in winter 2019-2020. This will reduce city buildings' greenhouse gas emissions by **322,560 pounds**.

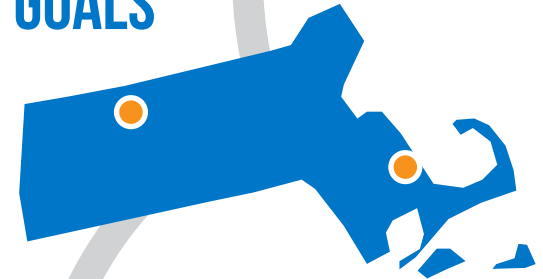
PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



PERCENT
GHG EMISSIONS SAVINGS

HEATING INDUSTRY PROPOSAL TO LOWER CARBON EMISSIONS

Under the Providence Resolution, the heating oil industry has established benchmarks to achieve **net-zero emissions by 2050** using Bioheat® fuel.



CURRENT GOALS

B10 and higher biodiesel blends qualify as Eligible Liquid Biofuels under the state's Alternative Energy Portfolio Standard.

MA has set a goal of 80% greenhouse gas reductions by 2050.

Economic Solutions

708,000



homes and businesses rely on Bioheat® (27% of households)

#3



the third largest consumer of heating oil in the U.S.

619M



gallons of Bioheat® fuel delivered annually

2



biodiesel producers with 3-million gallons annual capacity

100



full time jobs throughout the state and region

Sources: "REG Blending Partner Becomes Boston's Official Heating Oil Provider," Renewable Energy Group, December 17, 2019; U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates; U.S. Energy Information Administration, Distillate Fuel Oil and Kerosene Sales by End Use, Five Year-Avg., 2013-2017; "Leading the Way Toward a Zero-Carbon Future," NEFI, 2019; U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator; NESCAUM, "Low Sulfur Heating Oil in the Northeast States: An Overview of Benefits, Costs and Implementation Issues," December, 2005, p. 2-7.