

BIODIESEL CAN HELP RHODE ISLAND ACHIEVE ITS CLEAN ENERGY GOALS

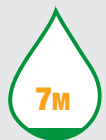
Environmental Solutions

B10 10% biodiesel blend eliminates **13.8 million gallons of petroleum in heating oil**, the equivalent of making **13,581 homes carbon neutral**.

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

B50 50% biodiesel blend eliminates **69 million gallons of petroleum in heating oil**, the equivalent of making **67,905 homes carbon neutral**.

B100 100% biodiesel eliminates **138 million gallons of petroleum in heating oil** and **1.2 million metric tons of carbon**.

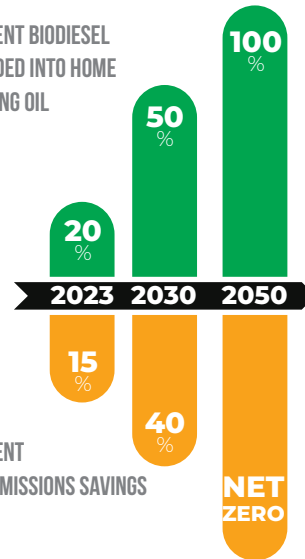


Statewide B5 Bioheat® uses **7 million gallons of biodiesel**.



B20 could displace **27.6 million gallons of petroleum**.

PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



PERCENT
GHG EMISSIONS SAVINGS

15%

40%

NET
ZERO

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.

Economic Solutions

128,000  homes and businesses rely on Bioheat® (31% of households)

118M  gallons of Bioheat® fuel delivered annually

250  full-time jobs throughout the state and region

1  biodiesel producer with an 8-million gallon annual capacity



All heating oil purchased by the state is now a B5 Bioheat® blend containing 5% biodiesel and 95% ultra-low sulfur heating oil. State agencies also have the option to purchase B20 and B99 blends.



CURRENT GOALS

Under current law, RI requires B5 blends in all heating oil.

Rhode Island General Laws exempt biodiesel produced in state from the motor fuel excise tax.

RI's greenhouse gas reduction goals:
45% *by 2035*
80% *by 2050*

Sources: 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.

