

## 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 CO<sub>2</sub> 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**.

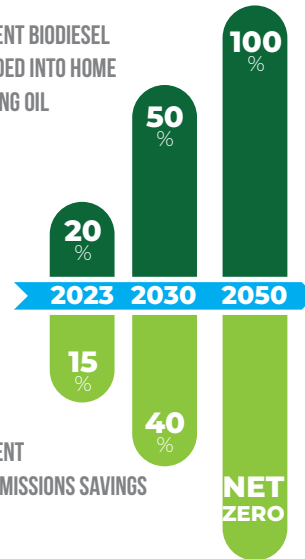


Statewide B5 Bioheat<sup>®</sup> uses **7 million gallons of biodiesel**.



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

PERCENT BIODIESEL  
BLENDED INTO HOME  
HEATING OIL



PERCENT  
GHG EMISSIONS SAVINGS

### 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<sup>®</sup> fuel.

### Economic Solutions

**128,000** homes and businesses rely on Bioheat<sup>®</sup> (31% of households)

**118M** gallons of Bioheat<sup>®</sup> 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<sup>®</sup> 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.