

BIODIESEL CAN HELP CONNECTICUT ACHIEVE ITS CLEAN ENERGY GOALS

Environmental Solutions

B10 10% biodiesel blend eliminates **47.6 million gallons of petroleum in heating oil**, the equivalent of making **46,845 homes carbon neutral**.

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

B50 50% biodiesel **eliminates 238 million gallons of petroleum in heating oil and 2 million metric tons of carbon**.

B100 100% biodiesel **eliminates 476 million gallons of petroleum in heating oil and 4 million metric tons of carbon**.

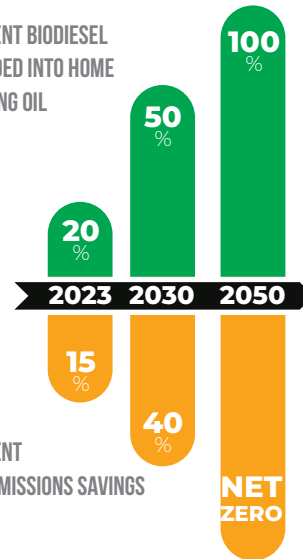
33.3M

All Connecticut home heating oil is now Bioheat® ultra-low sulfur heating fuel, which contains on average **7% biodiesel and eliminates approximately 33.3 million gallons of petroleum**.

The state's shift to **B20 Bioheat® fuel** (20% biodiesel) could displace **95 million gallons of petroleum**.

95M

PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



PERCENT
GHG EMISSIONS SAVINGS

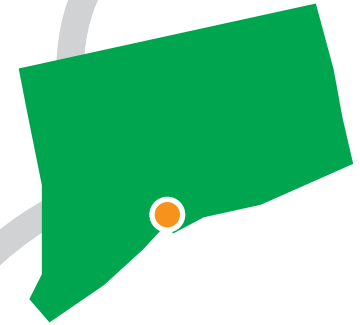
15%

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.



CURRENT GOALS

NY's heating fuel industry supports a proposal to require **B20 statewide by 2025**.

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

Economic Solutions

575,000



homes and businesses rely on Bioheat® (42% of households)

#4



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

443M



gallons of Bioheat® fuel delivered annually

1



biodiesel producer with a 40-million gallon annual capacity

1,250



full time jobs throughout the state and region

Sources: University of Connecticut; 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.

