

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**.

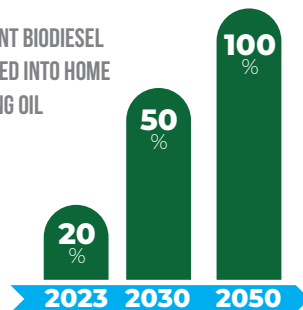
33.3M

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**.

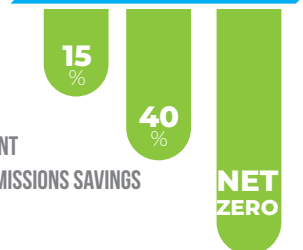
The state's shift to **B20 Bioheat® fuel** (20% biodiesel) could displace **95 million gallons of petroleum**.

95M

PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



PERCENT
GHG EMISSIONS SAVINGS



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.