



BIODIESEL CAN HELP CONNECTICUT ACHIEVE ITS CLEAN ENERGY GOALS

Environmental Solutions

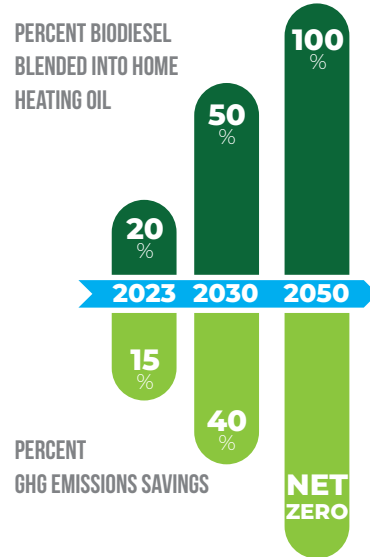
B10 10% biodiesel blend eliminates **47.6 million gallons of petroleum in heating oil**, the equivalent of making **46,845 homes carbon neutral**.

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**.

PERCENT BIODIESEL
BLENDED INTO HOME
HEATING OIL



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 MANDATES

Under Connecticut's Low Carbon Heating Oil Blend Law, the state's heating oil must contain a growing percentage of biodiesel that meets ASTM D6751 and the federal Renewable Fuel Standard's definition of "advanced biofuel":

- 5% in 2022
- 10% in 2025
- 15% in 2030
- 20% in 2034
- 50% in 2035

Economic Solutions

- 457,000** homes rely on heating oil (51% of owner-occupied 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: LMC International, "Economic Impact of the U.S. Biodiesel Industry," 2019; U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates; U.S. Energy Information Administration, State Profile and Energy Estimates, Sept. 2021; "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.