



BIODIESEL CAN HELP CONNECTICUT ACHIEVE ITS CLEAN ENERGY GOALS

Environmental Solutions

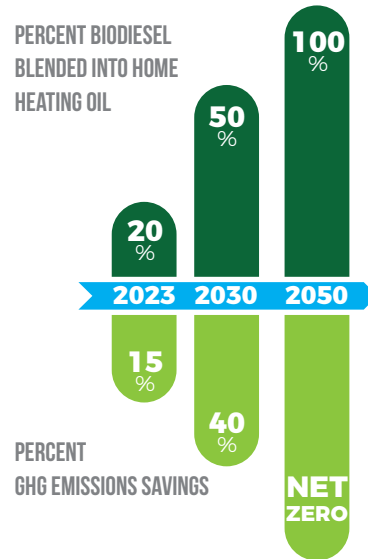
B10 10% biodiesel blend eliminates 47.6 million gallons of petroleum in heating oil, the equivalent of making 46,845 homes carbon neutral.

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.