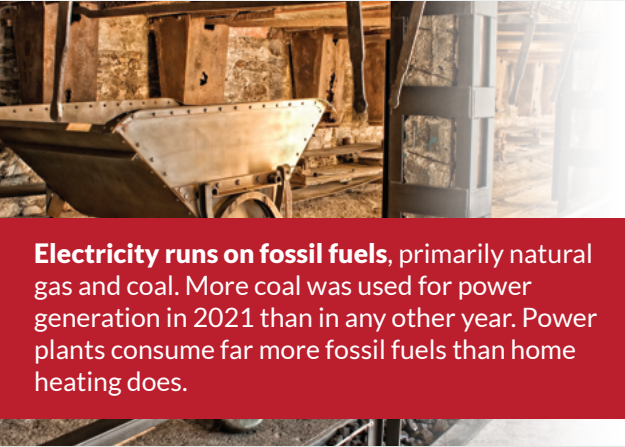


# The Truth Behind "Electrify Everything"

## THE ENVIRONMENT

### Electrification Is Fueling Climate Change & Environmental Injustice



**Electricity runs on fossil fuels**, primarily natural gas and coal. More coal was used for power generation in 2021 than in any other year. Power plants consume far more fossil fuels than home heating does.



U.S. power plants use over 400 million tons of coal per year. That's 90% of all coal consumed in the country.

Power plants are also the biggest user of natural gas in the country, accounting for more than 1/3 of annual gas consumption.

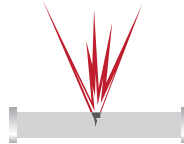


Every year, power plants burn more than triple the amount of fossil fuels used to heat every home in the U.S.



Worldwide, electricity-related carbon emissions reached an all-time high in 2021 due to increasing gas and coal use. Northeast U.S. plants emitted more than 24 million tons.

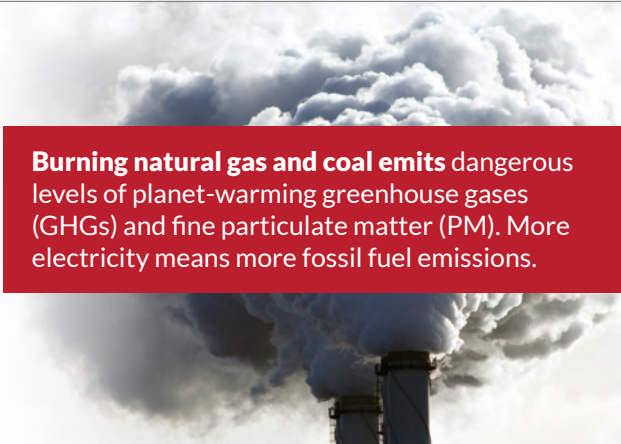
Recent research shows that methane emissions from natural gas distribution and use are up to 10 times worse than EPA estimates.



**Burning natural gas and coal emits dangerous levels of planet-warming greenhouse gases (GHGs) and fine particulate matter (PM). More electricity means more fossil fuel emissions.**



Power plants are also the leading source of thermal pollution. Sudden changes in water temperature damage the ecosystem.



**Environmental injustice:** more than half of all U.S. power plants are located near low-income communities. Residents here are disproportionately exposed to pollution and low air quality.



Minority and low-income communities are frequently excluded from decision-making processes on power plant construction.

These communities are also more likely to be exposed to climate change threats such as extreme weather events and flooding.



The average electric vehicle owner is a middle-aged white man who makes more than \$100,000 a year.



### The Solution:



Bioheat® fuel provides significant and immediate emission reductions for all households regardless of income. Compared to traditional heating oil, Bioheat® fuel reduces carbon emissions by up to 74% and particulate matter emissions by up to 85%. It also helps the grid keep the lights on and protects consumers' freedom of choice.

Sources: "Coal's sharp rebound is taking it to a new record in 2021, threatening net zero goals," International Energy Agency (IEA), December 17, 2021; "U.S. fossil fuel consumed by source and sector; 2020" U.S. Energy Information Administration (EIA); Electricity Market Report - January 2022, IEA; Storrow, B., "Rising power plant emissions threaten New England climate goals," E&E News, January 25, 2022; Burrows, L., "Leaky natural gas pipelines are tip of the iceberg," The Harvard Gazette, October 26, 2021; Laws, E.A., Aquatic Pollution: An Introductory Text, 2017; "Power Plants and Neighboring Communities," U.S. Environmental Protection Agency (EPA); "Understanding the Connections Between Climate Change and Human Health," EPA; "EV Consumer Behavior," Fuels Institute, June 2021.

