



Town Square Energy New Hampshire

Electric Generation Disclosure Label

Date: April 1, 2024
 2200 E. Williams Field Rd, Suite 200, Gilbert, AZ 85295
 1-877-430-0093

Electric providers are required by the New Hampshire Department of Energy to provide customers with an environmental disclosure label with information to evaluate services offered by competitive suppliers and electric utilities, and to provide information about the environmental and public health impacts of electric generation. Further information can be obtained by calling your electric utility or competitive electric supplier, or by contacting the New Hampshire Department of Energy. Additional information on disclosure labels is also available at <http://www.energy.nh.gov/> or on your electric provider's website.

Power Sources	Supplier's Mix	New England Mix
Air -source Heat Pump	.32%	.32%
Biogas	.02%	.02%
Biomass	1.62%	1.62%
Coal	.23%	.23%
Diesel	.87%	.87%
Digester gas	.11%	.11%
Efficient Resource (Maine)	.01%	.01%
Energy Storage	.07%	.07%
Fuel Cell	.77%	.77%
Geothermal	.00%	.00%
Ground / Water-source heat pump	.05%	.05%
Hydroelectric/Hydropower	7.98%	7.98%
Hydrokinetic	.00%	.00%
Jet	.01%	.01%
Landfill Gas	.48%	.48%
Liquid Biofuels	.35%	.35%
Municipal Solid Waste	.55%	.55%
Natural Gas	47.25%	47.25%
Nuclear	21.09%	21.09%
Oil	5.34%	5.34%
Solar Photovoltaic	7.05%	7.05%
Solar Thermal	.00%	.00%
Trash-to-energy	2.01%	2.01%
Wind	3.06%	3.06%
Wood	.75%	.75%
Total	100.00%	100.00%

Source: NEPOOL GIS reports for the four quarters ending December 31, 2023. TSE's Power Sources reflect the system mix. Percentages may be off due to rounding.

Air Emissions	
Emission	Lbs per MWh
Carbon Dioxide (CO2)	704.13247
Nitrogen Oxides (NOx)	0.589877
Sulfur Dioxide (SO2)	0.32581

Source: NEPOOL GIS reports for the four quarters ending December 31, 2023. TSE's emissions reflect the system mix.

Additional Information

Power Sources - The electricity you consume comes from the New England power grid, which receives power from a variety of power plants and transmits the power as needed to meet the requirements of all customers in New England. When you choose a power supplier, that supplier is responsible for generating and purchasing power that is added to the power grid in an amount equivalent to your electricity use. "Known Resources" include resources that are owned by, or under contract to, the supplier. "System Power" represents power purchased in the regional electricity market. Electric suppliers are required to obtain a certain amount of renewable energy in accordance with RSA 362-F, the state's renewable portfolio standard law. They may also choose to obtain amounts of renewable energy above their legal obligation.

Air Emissions - The air emissions listed below are produced when certain fuels are used to generate electricity.

- **Carbon Dioxide (CO2)** is released when fossil fuels (e.g. coal, oil and natural gas) are burned. Carbon dioxide, a greenhouse gas, is a major contributor to climate change.
- **Nitrogen Oxides (NOx)** are formed when fossil fuels and biomass are burned at high temperatures. They contribute to acid rain and ground-level ozone (or smog), and may contribute to respiratory illness with frequent high level exposure. NOx also contribute to oxygen deprivation of lakes and coastal waters which is destructive to fish and other animal life.
- **Sulfur Dioxide (SO2)** is formed when fuels containing sulfur are burned, primarily coal and oil. Major health effects associated with SO2 include asthma, respiratory illness and aggravation of existing cardiovascular disease. SO2 combines with water and oxygen in the atmosphere to form acid rain, which raises the acid level of lakes and streams, is detrimental to crops and forests, and accelerates the decay of buildings and monuments.

For more information, contact:
New Hampshire Department of Energy
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 Concord NH 03301
 1-603-271-3670