



Environmental Disclosure Statement

Electric providers are required by the New Hampshire Public Utilities Commission 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 Ethical Electric at (888) 444-9452, or by contacting the Public Utilities Commission at 1-800-852-3793. Additional information on this disclosure label is also available at <http://www.puc.nh.gov> or on Ethical Electric’s website at www.ethicalelectric.com.

Sources of Electricity

Sources of Electricity	Ethical Electric ¹	New England Mix ²
Wind	100%	2%
Biomass	0%	2%
Coal	0%	6%
Diesel	0%	1%
Hydro	0%	6%
Jet	0%	0%
Municipal Solid Waste	0%	1%
Natural Gas	0%	39%
Nuclear	0%	32%
Oil	0%	3%
Solar	0%	0%
Landfill Gas	0%	0%
Other Renewable	0%	3%
Other	0%	1%
Trash-to-energy	0%	2%
Wood	0%	2%
TOTAL	100%	100%

Air Emissions

Average lbs/MWh Nitrogen Oxides (NO _x), Sulfur Dioxide (SO ₂), and Carbon Dioxide (CO ₂) emissions from Jan 2013 through Dec 2013.		
	Ethical Electric ¹	New England Mix ²
Carbon Dioxide	0 lbs	1417.49
Nitrogen Oxides	0 lbs	0.69
Sulfur Dioxide	0 lbs	0.68

Carbon Dioxide (CO₂) is a “greenhouse gas” which may contribute to global climate change. Sulfur Dioxide (SO₂) and Nitrogen Oxides (NO_x) released into the atmosphere react to form acid rain. Nitrogen Oxides also react to form ground level

Additional Information and Notes:

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/or 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, and utilities must also offer a renewable energy option to allow customers to choose to support the purchase of additional renewable energy by the utility.

Emissions:

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, and accelerates the decay of buildings and monuments.

Nitrogen Oxides (NO_x) form when fossil fuels and biomass are burned at high temperatures. They contribute to acid rain and ground-level ozone (or smog), and may cause respiratory illness when there is frequent high level exposure. NO_x also contributes to oxygen deprivation of lakes and coastal waters which is destructive to fish and other animal life.

Carbon Dioxide (CO₂) is released when fossil fuels (e.g., coal, oil and natural gas) are burned. CO₂, a greenhouse gas, is a major contributor to climate change.

For further information on the formation of ozone, its sources and its health effects, see: <http://des.nh.gov/organization/divisions/air/do/asab/ozone/categories/overview.htm>

¹This report contains estimates. Ethical Electric provides a 100% renewable product procured from known resources comprised of local wind energy. Ethical Electric will provide actual data for the calendar year during their annual filing to the PUC. Ethical purchases and retires Renewable Energy Certificates (RECs) to offset customers’ energy usage. Ethical will purchase RECs within 3 months following the close of the calendar year to offset the entirety of all customers’ usage.

²New England Mix information is from the NEPOOL GIS System Mix Report