

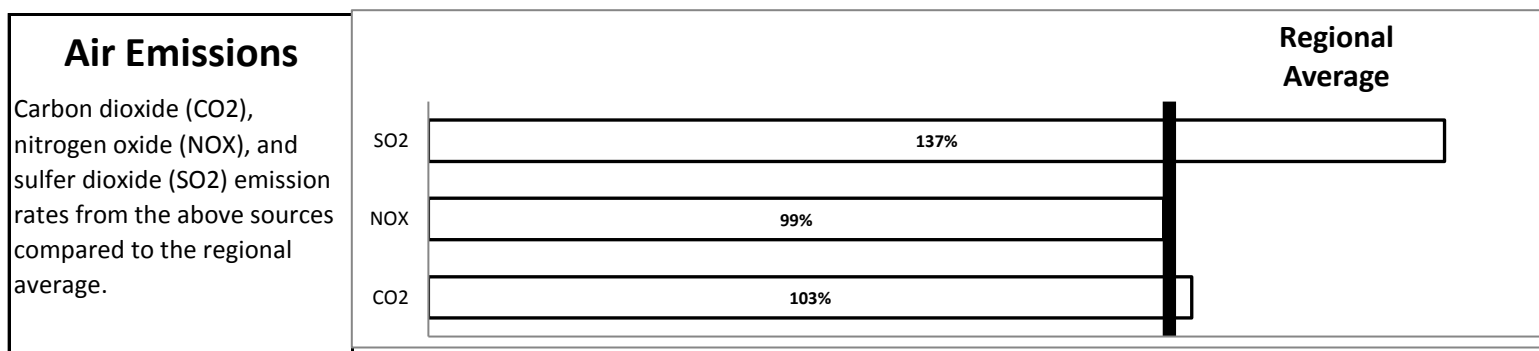
New Hampshire Electric Cooperative, Inc.

Co-op Power Resources Information - 2016

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 NHEC (800-698-2007) or your competitive electric supplier, or by contacting the Public Utilities Commission. Additional information on disclosure labels is also available at www.puc.nh.gov or at www.nhec.com.

Link to PUC website: <http://www.puc.nh.gov/Consumer/Environmental%20Disclosure%20FAQs.html>

Power Sources	Power Source	NHEC's Co-op Power			New England Regional Average
		Known Resources	System Power	Total	
NHEC's 2016 Co-op Power was generated by the following sources:	Biomass	0.79%	0.02%	0.81%	3.57%
	Coal	0.00%	3.09%	3.09%	2.44%
	Hydro	1.22%	0.20%	1.42%	5.07%
	Imported Power	0.00%	22.07%	22.07%	16.51%
	Landfill Gas	2.51%	0.00%	2.51%	0.94%
	Municipal Trash	0.00%	0.12%	0.12%	2.57%
	Natural Gas	0.84%	42.65%	43.49%	32.64%
	Nuclear	0.00%	10.19%	10.19%	24.16%
	Oil	0.01%	10.98%	10.99%	7.70%
	Geothermal/other	0.02%	0.00%	0.02%	0.06%
	Solar	0.29%	0.02%	0.31%	1.32%
	Wind	4.96%	0.01%	4.97%	3.01%
	Total		10.6%	89.4%	100.0%



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 offer a renewable energy option to allow customers to choose to support the purchase of additional renewable energy by the utility. *NHEC purchases much of its power from wholesale suppliers, some of whom retain their lower emission resources for their own compliance and reporting, which increases emissions content of the System Power they offer for sale. The percentage of generation fueled by coal and oil in the System Power used by the Co-op is relatively higher than for the New England Region, and the higher levels of SO₂ and CO₂ emissions from the Co-op power sources reflect this aspect of the market.*

Emissions: *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.

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 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, and accelerates the decay of buildings and monuments.