

New England GreenStart Disclosure Label

Spring 2010

Electric Power Suppliers are required by the Department of Public Utilities to provide customers with a disclosure label. The label enables consumers to look at the energy sources, air emissions and information about the supplier in order to make a more informed choice of a power supplier. Consumers can compare energy labels to make the best choice based on their energy needs.



Generation Price: (cents per kWh)

Prices do not include regulated charges for customer service and delivery.

Customer Type	Basic Service Fixed Pricing Option
Residential	July-September: 9.714
Sm. Commercial, General Services	July-September: 9.734

New England GreenStart 100% is an extra 2.4 cents per kWh for all customer types.
 New England GreenStart 50% is an extra 1.25 cents per kWh for all customer types.
 *Check your electric bill for your customer type and to see if you are listed for New England GreenStart 100% or 50%.

Contract: You may opt out of *New England GreenStart* with no fee at any time by calling: Mass Energy Consumers Alliance at 1-800-287-3950.

Power Sources: Demand for this electricity product in the period 6/30/2008-6/30/2009 was assigned generation from the following sources:

Power Source	Standard Mix	Greenstart 50%	Greenstart 100%
Biomass	3%	10.1%	12.4%
Coal	12%	6.0%	0%
Hydro (Large)	1%	0.5%	0%
Hydro (Small)	0%	35.0%	74.9%
Imported Power	13%	6.5%	0%
Municipal Trash	1%	0.5%	0%
Natural Gas	33%	16.5%	0%
Nuclear	28%	14.0%	0%
Oil	9%	4.5%	0%
Other Renewables	0%	0.0%	0%
Solar	0%	3.1%	6.2%
Wind	0%	3.4%	6.4%
Air emissions as % of NEPOOL mix			
Carbon Dioxide		50%	0%
Carbon Monoxide		112%	124%
Mercury		50%	0%
Nitrogen Oxides		65%	29%
Particulates		52%	5%
Fine Particulates		54%	8%
Sulfur Dioxides		50%	1%
Organic Compounds		63%	26%

Labor Information

Less than 1% of New England GreenStart resources come from generators with known union contracts with their employees.

NOTES: 1. Electricity customers in New England are served by an integrated power grid, not particular generating units. However you can choose the types of electricity generating sources that will be associated with the electricity you use by selecting a GreenUp supplier. The above information is based on information from contracted renewable energy generators. DEFINITIONS: 1. Generation price and contract: New England GreenStart 100% costs \$0.024 per kWh in addition to regular generation, service, and supply charges of National Grid, which may vary over time according to usage. New England GreenStart 50% costs an extra \$0.0125 per kWh. 2. 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 throughout the region as needed to meet the requirements of all customers in New England. Mass Energy is responsible for purchasing power attributes in an amount equivalent to your electricity use. Standard Mix is based on National Grid's Standard Offer Service. Biomass refers to power plants that are fueled by wood, other plant matter or landfill gas. Hydro resources of greater than 30 megawatts in size are deemed "large hydro". Solar refers to photovoltaic panels and wind refers to wind turbines. Other Renewables include fuel cells utilizing renewable fuel sources, and ocean thermal. 3. Emissions: Emissions for each of the following pollutants are presented as a percent of the regional average emission rate. Carbon Dioxide (CO2): is released when fossil fuels are burned. Carbon dioxide, a greenhouse gas, is a major contributor to global warming. Biomass and landfill gas generators release CO2, but do not contribute to a net increase in atmospheric greenhouse gases. Nitrogen Oxides (NOx) 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 in children 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, and accelerates the decay of buildings and monuments. 4. Labor Information: the information on this label regarding whether generators of suppliers operate under collective bargaining agreements is provided to inform you about whether the energy was produced in plants where employee wages and working conditions are mutually determined by employees and management, and protected by union contracts.

FOR MORE INFORMATION:

Mass Energy Customer Service: 1-800-287-3950	Division of Energy Resources 1-800-531-0077	Department of Public Utilities Consumer Division: 1-800-392-6066
National Grid Customer Service: 1-800-322-3223	Website: http://www.state.ma.us/thepower	Website: http://www.magnet.state.ma.us/dpu/