

This label discloses current energy sources and air emissions for the Green Powered program. More information can be found at [greenenergyconsumers.org/local-sources](https://greenenergyconsumers.org/local-sources). You may opt out of Green Powered with no fee at any time by calling: Green Energy Consumers Alliance at 1-800-287-3950.

## Green Powered Prices

Cost in addition to utility	
25% Green Powered	100% Green Powered
\$ 0.022 / KWh	\$ 0.038 / KWh

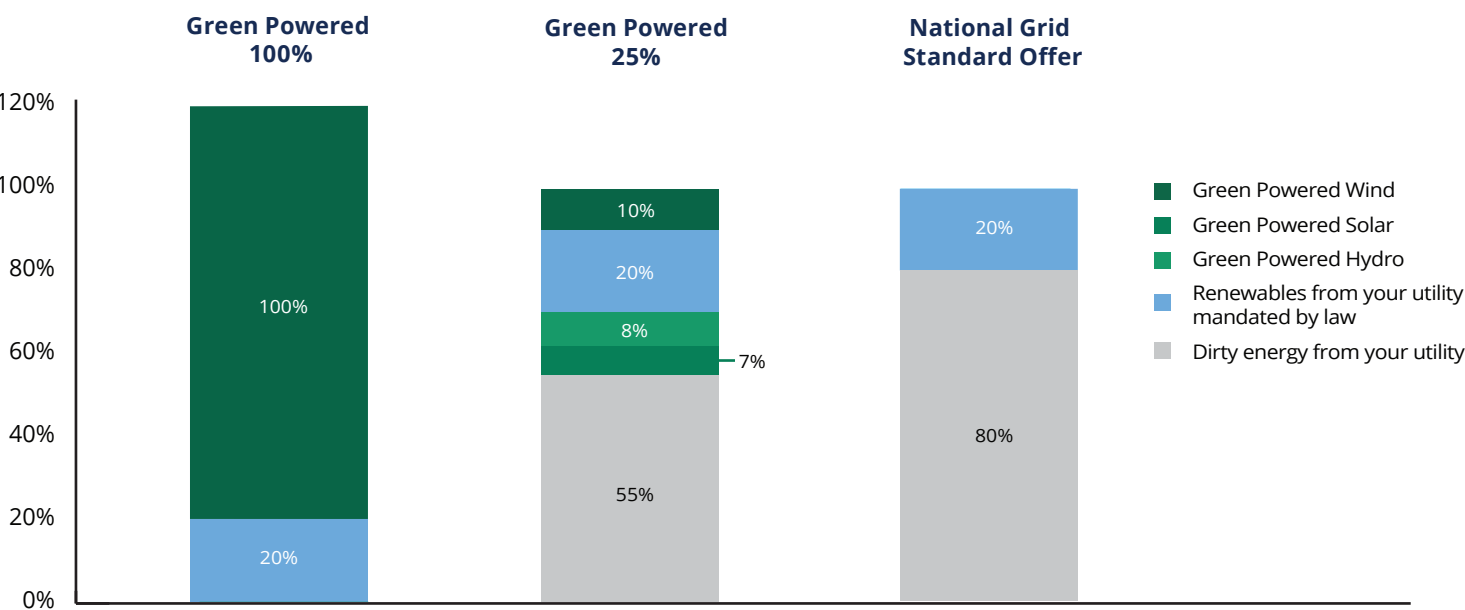
National Grid rate class	Effective Date	Price
Residential	(5/1/2020 - 10/30/2020)	13.982 ¢/kWh
Small General Service	(5/1/2020 - 10/30/2020)	8.428 ¢/kWh

## Energy Sources

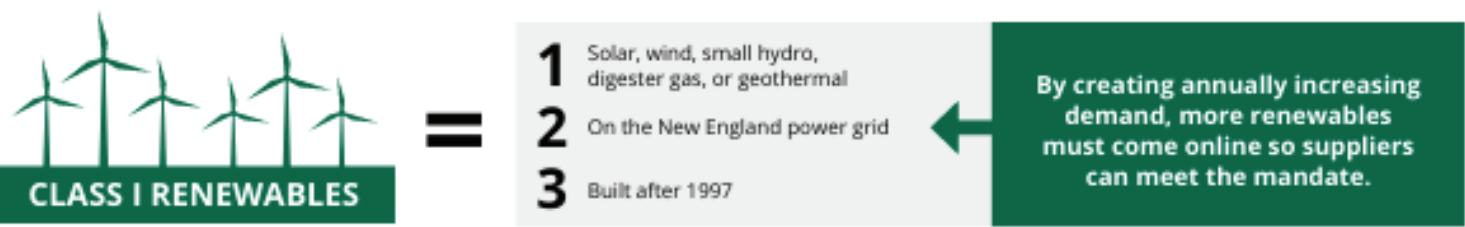
For power produced during the period: 10/1/20 - 12/31/20	Green Powered 100%	Green Powered 25%	GreenStart Value (15%)	National Grid Basic Service
Resources		<i>includes 75% from National Grid Basic Service</i>	<i>includes 85% from National Grid Basic Service</i>	<i>for comparison</i>
Biomass		0.3%	0.3%	0.4%
Hydro: New		8.0%	8.0%	0.0%
Hydro: Small		2.5%	2.8%	3.3%
Hydro: Large		0.8%	0.9%	1.0%
Solar		13.2%	14.0%	8.2%
Wind	100%	16.3%	7.1%	8.4%
Other Renewable		0.5%	0.5%	0.7%
Coal		0.5%	0.5%	0.6%
Imported Power		12.5%	14.2%	16.7%
Municipal Trash		2.9%	3.2%	3.8%
Natural Gas		26.4%	29.9%	35.2%
Nuclear		12.9%	14.6%	17.2%
Oil		3.4%	3.8%	4.5%

This chart shows what electrons will ultimately be placed on the grid on Green Powered members' behalf vs. National Grid's standard offer.

# Renewable Energy Certificates



In Massachusetts and Rhode Island, laws require that utilities and suppliers buy an increasing amount of local "Class I" or "new" renewable energy on our behalf. This creates an incentive to build renewable generators in New England, and by voluntarily choosing to buy Class I yourself, you're driving up demand.



# Air Emissions

	Green Powered 100%		Green Powered 25%		GreenStart Value		Standard Mix	
	lbs/MWh	%	lbs/MWh	%	lbs/MWh	%	lbs/MWh	%
Carbon Dioxide	0	0%	584.04409	73%	417.17435	52%	834.3487	105%
Carbon Monoxide	0	0%	0.59458	72%	0.72199	43%	0.8494	103%
Mercury	0	0%	0.00014	6%	0.00017	58%	0.0002	9%
Nitrogen Oxides	0	0%	1.09963	80%	1.335265	49%	1.5709	114%
Particulates	0	0%	1.71353	88%	2.080715	56%	2.4497	126%
Fine Particulates	0	0%	0.53032	80%	0.64396	57%	0.7576	115%
Sulphur Dioxides	0	0%	2.15313	91%	2.614515	73%	3.0759	131%
Organic Compounds	0	0%	0.05292	81%	0.06426	44%	0.0756	116%

**Air Emissions:** Emissions from the specified electric power resource are compared to the New England regional average air emissions for all power resources in the period above, as reported by National Grid and NEPOOL GIS. 100% is the average (baseline) emissions. "Standard Mix" is based on the Standard Offer Service, emissions for "Last Resort Service" are insignificantly different - view at [www.nationalgridus.com](http://www.nationalgridus.com).

## Notes

**1.** Electricity customers in New England are served by an integrated power grid, not particular generating units. This information is based on the most recently available information provided to suppliers via the NEPOOL GIS System. National Grid procures its electricity supply for Standard Offer Service, on behalf of its customers from system power contracts, not from specific generating units.

**2.** You may call National Grid at 1-800-322-3223, Green Energy Consumers at 617-397-5199, or the Massachusetts Division of Energy Resources at 617-626-7300 for additional information.

**3.** Green Powered 25% is an extra 2.2 cents per kWh for all customer types. GreenStart Value is an extra 1.25 cents per kWh for all customer types. Green Powered 100% is an extra 3.8 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 or New England Wind.

**Emissions:** for each of the following pollutants are presented as a percent of the regional average emission rate.

Nitrogen Monoxides: *Health Effect*- Reduces ability of blood to bring oxygen to body cells and tissues.

Mercury: *Health Effects*- Liver, kidney, and brain damage: neurological and developmental damage. *Economic Effects*- Accumulates in food chain, impacting the fishing industry.

Particulates: *Health Effects*- Lung damage, respiratory illnesses, ozone (smog) effects. *Economic Effect*- Precursor of acid rain, which damages trees, lakes, and soil; aerosols can reduce visibility.

Nitrous Oxide: *Health Effects*- Eye, nose, and throat irritation; lung damage bronchitis; cancer; early death. *Economic Effects*- Ashes, smoke, soot, and dust can dirty and discolor structures and property, including clothes and furniture. Source of haze, which reduces visibility.

Sulfur Dioxide: *Health Effects*- Respiratory illness, breathing problems, may cause permanent damage to lungs. *Economic Effects*- Precursor of acid rain, which can damage trees, lakes, and soil; aerosols can reduce visibility. Acid rain also causes buildings, statues, and monuments to deteriorate.

Organic Compounds: *Health Effects*- Ozone (smog) effects, cancer, and other serious health problems. *Economic Effects*- Vegetation and crop damage.