

# Westford Power Options Program

## Massachusetts Customer Disclosure Label

The Massachusetts Department of Public Utilities (DPU) requires that we provide our customers with a disclosure label

Municipality: Westford

Contract Period: January 2021 to December 2023



Westford Power Options Program (\$ per kilowatt hour)	POP Green	POP Gold 100%	POP Silver 50%	POP Basic
All Customers	\$ 0.10793	\$ 0.13695	\$ 0.12083	\$0.10470

Generation prices do not include regulated charges for customer service and delivery.

New England System Power	
Fuel	Percentages
Biomass	0.0%
Coal	0.4%
Diesel	1.9%
Digester Gas	0.0%
Efficient Resource	0.0%
Energy Storage	0.1%
Fuel Cell	0.0%
Hydro: Large	2.1%
Hydro: Small	0.0%
Jet	0.0%
Landfill gas	0.0%
Municipal Solid Waste	0.1%
Natural Gas	61.4%
Nuclear	7.5%
Oil	7.8%
Solar Photovoltaic	0.4%
Trash-to-energy	0.1%
System Mix	18.1%
Wind	0.0%
Wood	0.0%
<b>Total</b>	<b>100%</b>

**Note:** Electricity customers in New England are served entirely from the New England integrated power grid and not any one particular generating unit. Power source percentages are based on the April 2021 - March 2022 information, the most recently available data.

Product Details				
	POP Green	POP Gold 100%	POP Silver 50%	POP Basic
Source	Percentage	Percentage	Percentage	Percentage
<b>MA Class I RPS Requirement</b>	18%	18%	18%	18%
<b>Other RPS Requirements</b>	31%	31%	31%	31%
<b>Additional MA Class 1</b>	10%	100%	50%	0%
<b>System Power</b>	41%	0%	1%	51%
<b>Total</b>	<b>100%</b>	<b>149%</b>	<b>100%</b>	<b>100%</b>

**Note:** The MA RPS calendar year 2021 obligation is 49%. RECs will be retired to meet the entire RPS obligation. MA Class I is just a part of the total RPS obligation.

Air Emissions			
	Carbon Dioxide (CO <sub>2</sub> )	Nitrogen Oxide (NO <sub>x</sub> )	Sulfur Dioxide (SO <sub>2</sub> )
	(in lbs/MWh)	(in lbs/MWh)	(in lbs/MWh)
Regional Average	625.60	0.5686	0.3395
New Units	895.00	0.0600	0.0100
Constellation	660.02	0.7070	0.3674

**Note:** the Constellation emissions factor is reflective of the entire load in MA and does not take into account voluntary REC purchases made for customers.

Labor Information	
24% of the electricity from System Power came from power sources with a union contract with their employees.	

See reverse side and the terms of service for further information on this label. You may also call  
 - Constellation toll-free at (844) 813-7876  
 - Massachusetts Department of Public Utilities at (877) 886-5066.

## LABEL DESCRIPTION

### Generation Price and Contract:

Generation Price is for electricity at usage levels that are typical for residential and small commercial customers. Contract items present the length of your contract for generation service, and the price terms included in your contract. See your recent bills to determine average monthly use, and your Terms of Service for 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 throughout the region 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, Constellation. System Power represents power purchased in the regional electricity market. Biomass refers to power plants that are fueled by wood or other plant matter. Hydro resources of greater than 30 megawatts in size are deemed "large hydro." All other hydro resources are deemed "small hydro."

### Emissions:

Emissions for each the following pollutants is presented next to the regional average emission rate and the emission rate from a hypothetical new generation facility.

Carbon Dioxide (CO<sub>2</sub>) is released when fossil fuels (e.g., coal, oil and natural gas) are burned. Carbon dioxide, a greenhouse gas, is a major contributor to global warming.

Nitrogen Oxides (NO<sub>x</sub>) 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. NO<sub>x</sub> also contribute to oxygen deprivation of lakes and coastal waters which is destructive to fish and other animal life.

Sulfur Dioxide (SO<sub>2</sub>) is formed when fuels containing sulfur are burned, primarily coal and oil. Major health effects associated with SO<sub>2</sub> include asthma, respiratory illness and aggravation of existing cardiovascular disease. SO<sub>2</sub> 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.

### Labor Data:

The information on this label regarding whether generators or 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:

Constellation Customer Service: (844) 813-7876

Massachusetts Department of Public Utilities: (877) 886-5066