

# MASSACHUSETTS POWER INFORMATION DISCLOSURE LABEL Q3 '21 – SWAMPSCOTT COMMUNITY POWER

### **GENERATION PRICE**

Price per kWh at all levels of use. Prices do not include regulated charges for customer service and delivery.

The price you pay for generation is set forth in the town aggregation agreement of Swampscott and Direct Energy Services, LLC. If you have any further questions about what you pay for electricity per kWh, please contact the Direct Energy Services, LLC customer service number below. The generation price will not vary based on the amount of electricity the customer uses.

# CUSTOMER SUPPORT CONTRACT

Program Generation Price	Standard Green	New England Green - Optional	Basic - Optional	Period
Standard/Optional Rate Customers	11.444 ¢/kWh	13.499 ¢/kWh	11.244 ¢/kWh	7/2019 – 11/2021

Contact the Town's consultants at 1-844-483-5004.

Direct Energy Services, LLC (Town's electric supplier)

Toll-Free: 1-866-968-8065

Address: 12 Greenway Plaza, Ste. 250

Houston, TX 77046 www.directenergy.com

csdirectenergy@directenergy.com

For energy emergencies, please contact National Grid at (800) 233-5325. For general inquiries, please contact National Grid at (800) 732-3400.

You can also write to National Grid – Customer Correspondence,

PO Box 1040 Northborough, MA, 01532 or visit

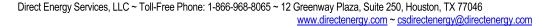
www.nationalgridus.com.

Demand for electricity supplied by Direct Energy Services, LLC ("DES") was met by the generating resources or fuel types noted to the right. DES meets the Commonwealth of Massachusetts' renewable portfolio standards and clean energy compliance requirements with retirement of Class I RECs.

Power Attribute Content – Direct Energy Services, LLC				
Standard Green*				
Source	Percentage			
Renewable Energy (MA Class I RECs) to meet MA minimum requirements	18.00			
Additional renewable energy projects in New England (MA Class I RECs), added voluntarily	5.00			
Wind projects outside of New England (National Wind RECs)	77.00			
Total	100.00			
New England Green - Optiona	al*			
Source	Percentage			
Renewable electricity, all from renewable electricity projects in New England (MA Class I RECs)	82.00			
Required MA Class I RECs mandated by Commonwealth of Massachusetts	18.00			
Total	100.00			
Basic – Optional				
Source	Percentage			
Renewable energy (MA Class I RECs) to meet MA minimum requirements	18.00			
RECs to meet other MA requirements	31.10			
Regional Residual Mix	50.90			
Total	100.00			

Regional Residual Mix by Fuel - 2020		
Fuel	Fuel%	
System Mix	26.47	
Biogas	0.00	
Biomass	0.01	
Coal	0.21	
Diesel	0.66	
Digester Gas	0.00	
Efficient Resource (Maine)	0.00	
Fuel Cell	0.01	
Hydroelectric/Hydropower	0.20	
Jet	0.02	
Landfill Gas	0.00	
Municipal Solid Waste	0.15	
Natural Gas	56.28	
Nuclear	8.98	
Oil	6.44	
Solar Photovoltaic	0.42	
Trash-to-Energy	0.06	
Wind	0.03	
Wood	0.01	
Total	100	

<sup>\*</sup> Direct Energy purchases additional RECs for this product to comply with the Massachusetts RPS Class II and APS requirements.





#### **AIR EMISSIONS**

Emissions for each of the following pollutants are based on Regional Residual Mix data by the New England Power Pool (NEPOOL) and ISO New England for the most current data reporting period.

Emission Type	Lbs. per MWh	
Nitrogen Oxides (NOx)	0.78	
Sulfur Dioxide (SO <sub>2</sub> )	0.51	
Carbon Dioxide (CO <sub>2</sub> )	735.96	

LABOR INFORMATION	REGIONAL AVERAGE GENE	RATION RESOURCE LABOR CHARACTE	KISTICS	
	January 1, through December 31, 2016, Provided by ISO New England Inc.			
	Generating Workforce	Output (MWH)	%	
	Collective Bargaining	28,669,554	24%	
	Non-Collective Bargaining	90,567,446	76%	
	Total	119,237,000	100%	
GENERATION PRICE CONTRACT	Generation prices do not include regulate are billed by your local distribution comp	ed charges for customer service and delivery any.	/. Those charges	
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, the supplier. Regional Residual Mix 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." Other Renewables include fuel cells utilizing renewable fuel sources, landfill gas and ocean thermal.			

#### **EMISSIONS**

- 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 (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 (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.