

Southborough Community Power Choice

Why and how to read Electricity Generation Disclosure Labels

Electricity generation disclosure labels are documents created by the electricity supplier for the Southborough Community Power Choice program. They disclose the mix of energy sources used to generate the electricity that you receive through the program, greenhouse gasses emissions information, and your price.

You can read a disclosure label to learn details about the electricity you receive, such as:

- The mix of traditional energy sources used to generate your electricity – for example, how much coal, oil, or gas was used
- The amount of renewable, or replaceable, resources such as wind and solar used to generate your electricity. You can also learn what percentage of the renewable energy in your electricity was required by the state of Massachusetts and how much was added voluntarily by the Town.
- The greenhouse gasses that were released into the atmosphere as a result of generating your electricity

The electricity supplier is required to create updated electricity mix disclosure labels on a periodic basis and provide them to the Town.

The information that is needed to create some of the information on these disclosure labels is not available until after the electricity is generated. As a result, parts of the labels may look backwards to a period of time in the past.

How to read a disclosure label

The next page offers tips for how to read and understand a disclosure label, using a recent label as an example. The current disclosure labels follow.

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Electric power suppliers are required by the Department of Public Utilities (DPU) to provide customers with information about a specific power source. Public Power provides energy labels to help you understand your energy needs. Public Power purchases its electricity from the wholesale market based on the NEPOOL Generation Auction. See <https://www1.nepool.com> for more information.

2 The price you are paying for the Supply portion of your National Grid electricity bill. Your price is the same, no matter how much you use each month.

1 Your program option.

- If you have Power Choice Standard, which is the default, look for Standard Option.
- If you chose Power Choice Green, look for Green option.

Unless you requested Power Choice Green, you have Power Choice Standard.

Generation Prices				
Average Residential Customer Use per Month	250 kWh	500 kWh	1,000 kWh	2,000 kWh
Average Residential Customer Generation per Month	\$0.10880	\$0.10880	\$0.10880	\$0.10880
This is the average price per kWh at different levels of use. Prices do not include regulated charges for customer service and delivery.	Your average generation price will not vary according to how much electricity you use. See your most recent bill for your monthly usage.			
Customer Service	1-800-830-2944			
Contract	See https://mass.gov for important information.			

3 Look here for the current electricity mix for your program option. The totals should equal 100%.

Everyone will see:

Mass RPS: The minimum amount of renewable electricity that every electricity supplier and utility must add, as required by state law. National Grid must add this also. Renewable electricity is generated by replaceable energy sources, such as solar and wind.

NE ISO: The generic electricity mix available on the New England grid. This is also what National Grid provides.

Power Choice Green participants will also see:

MA Class I RECS: Voluntary renewable energy purchased from New England-based renewable energy projects that is over and above the renewable energy that is mandated by Massachusetts law and already in your electricity (the Mass RPS).

The following table shows the generation mix for the Town of Southborough.

Mass. RPS	NE ISO
24.94%	75.06%

NE ISO Power Sources	Power Source	System	
Liquid BioGeneration by fuel type as a percentage of total generation is supplied by ISO-New England who operations the regional power market.	Air-source heat pump		
	Biogas		
	Biomass		
	Coal		
	Diesel		
	Digester gas		
	Efficient Resource (Maine)		
	Fuel cell		
	Geothermal	0.00%	0.00%
	Ground- and Water-source heat pump	0.07%	0.07%
	Hydroelectric/Hydropower	6.98%	6.98%
	Hydrokinetic	0.00%	0.00%
	Jet	0.02%	0.02%
	Landfill gas	0.53%	0.53%
	Liquid biofuels	0.28%	0.28%
	Municipal solid waste	0.65%	0.65%
	Natural Gas	35.09%	35.09%
	Nuclear	28.81%	28.81%
	Oil	5.19%	5.19%
	Solar Photovoltaic	3.08%	3.08%
Solar Thermal	0.03%	0.03%	
Trash-to-energy	2.31%	2.31%	
Wind	3.16%	3.16%	
Wood	1.32%	1.32%	
	Total	100.00%	

4 These percentages apply to electricity generated between these dates. The data needed to generate this table is only available after the electricity is generated.

5 The specific mix of energy sources within the NE ISO electricity mix.

If you chose Power Choice Green, these energy sources are not being used to generate your electricity.

Air Emission	New England Average (lbs/MWh)	
Carbon Dioxide (CO ₂), nitrogen oxides (NO _x), sulfur dioxide (SO ₂) emission rates from these sources.	CO ₂	1,074
	NO _x	1.76
	SO ₂	3.29

6 The average rate (lbs/MWh) that these gasses are emitted into the atmosphere as a result of using the NE ISO energy sources to generate electricity. Any component of your electricity that comes from renewable energy sources, such as solar and wind, does not emit these gasses into the atmosphere.

For April 2018 through March 2019. Labor characteristics were identified as union labor on the NEPOOL-GIS Certificate Statistics – Statistics by fuel on the April 2018 through March 2019 GIS Certificate Statistics. The number in the without union labor percentage.

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Generation Prices				
Average Residential Customer Use per Month	250 kWh	500 kWh	1,000 kWh	2,000 kWh
Average Residential Customer Generation per Month	\$0.10880	\$0.10880	\$0.10880	\$0.10880
This is the average price per kWh at different levels of use. Prices do not include regulated charges for customer service and delivery.	Your average generation price will not vary according to how much electricity you use. See your most recent bill for your monthly usage.			
Customer Service	1-800-830-2944			
Contract	See https://masspowerchoice.com/Southborough for terms of service and other important information.			

The following table shows the generation mix for the Town of Southborough Standard Product:

Mass. RPS	NE ISO
24.94%	75.06%

NE ISO Power Sources	Power Source	System Power	Total
Liquid BioGeneration by fuel type as a percentage of total generation is supplied by ISO-New England who operations the regional power market. ISO-New England Power Pool System Mix from the period of April 1, 2018 – March 31, 2019	Air-source heat pump	0.03%	0.03%
	Biogas	0.01%	0.01%
	Biomass	1.97%	1.97%
	Coal	9.08%	9.08%
	Diesel	0.77%	0.77%
	Digester gas	0.08%	0.08%
	Efficient Resource (Maine)	0.21%	0.21%
	Fuel cell	0.32%	0.32%
	Geothermal	0.00%	0.00%
	Ground- and Water-source heat pump	0.07%	0.07%
	Hydroelectric/Hydropower	6.98%	6.98%
	Hydrokinetic	0.00%	0.00%
	Jet	0.02%	0.02%
	Landfill gas	0.53%	0.53%
	Liquid biofuels	0.28%	0.28%
	Municipal solid waste	0.65%	0.65%
	Natural Gas	35.09%	35.09%
	Nuclear	28.81%	28.81%
	Oil	5.19%	5.19%
	Solar Photovoltaic	3.08%	3.08%
Solar Thermal	0.03%	0.03%	
Trash-to-energy	2.31%	2.31%	
Wind	3.16%	3.16%	
Wood	1.32%	1.32%	
Total	100.00%	100.00%	
Air Emission	New England Average (lbs/MWh)		
Carbon Dioxide (CO ₂), nitrogen oxides (NO _x), sulfur dioxide (SO ₂) emission rates from these sources, relative to the regional average is compared to emissions from a new unit as determined by the Mass Department of Environmental Protection.	CO ₂		1,074
	NO _x		1.76
	SO ₂		3.29
Labor Information	Source: NEPOOL-GIS Public Reports. These values are for April 2018 through March 2019. Labor characteristics were calculated by dividing the number of certificates identified as union labor on the NEPOOL-GIS GIS Certificate Statistics – Other Attributes Report by the total number of certificates by fuel on the April 2018 through March 2019 GIS Certificate Statistics – by Fuel Report. Subtracting that number from one results in the without union labor percentage.		
Union Labor Percent: 26%			
Non Union Labor Percent 74%			

Competitive electricity suppliers licensed by the Massachusetts Department of Public Utilities must provide Retail Customers with an information booklet describing customer protection and rights with respect to competitive energy supply, pursuant to G.L. c.164, §1F(5)(i) and 220 C.M.R. 11.06(5).

Disclosure of Rate and Contract Term

Fixed Rate The Town of Southborough has entered into a fixed price opt-out aggregation program pursuant to Massachusetts Law. You have or will receive important information about this program in the mail. The rate for your generation charge will be \$0.10880 subject to the Regulatory Event provisions of the aggregation agreement. At the end of your current contract, you will either continue in the Town of Southborough's Aggregation program or returned to your utility. There are no cancellation fees if you terminate your participation in the program.

In addition to Public Power's generation charges, you will be responsible for paying the delivery charges as well as any applicable taxes and fees.

Billing

You will continue to receive a single bill from your Distribution Company. Your Distribution Company will set your payment due date and collect payment. Any bill not paid in full by its due date will incur late payment fees set by your Distribution Company. If you do not pay your bill in full, you will receive two requests for payment from Public Power. If your bill remains unpaid, you will be transferred without interruption to standard offer service with your Distribution Company.

Inquiry, Service and Complaint Procedures

If you have a complaint, question or inquiry about the Town of Southborough Power Program, you may contact Public Power one of the following ways:

- By telephone at 800-830-2944, Monday through Friday, 8:30 a.m. to 6:30 p.m. EST
- By email at service@ppandu.com
- By mail at 535 Connecticut Avenue, 6th Floor, Norwalk, CT 06854

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Generation Prices				
Average Residential Customer Use per Month	250 kWh	500 kWh	1,000 kWh	2,000 kWh
Average Residential Customer Generation per Month	\$0.12740	\$0.12740	\$0.12740	\$0.12740
This is the average price per kWh at different levels of use. Prices do not include regulated charges for customer service and delivery.	Your average generation price will not vary according to how much electricity you use. See your most recent bill for your monthly usage.			
Customer Service	1-800-830-2944			
Contract	See https://masspowerchoice.com/Southborough for terms of service and other important information.			

The following table shows the generation mix for the Town of Southborough Green Product:

Mass. RPS	MA Class I RECs	National Wind	NE ISO
14.00%	86.00%	0.00%	0.00%

*Additional REC purchases were made to meet MA Class II RPS and APS requirements

NE ISO Power Sources	Power Source	System Power	Total
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	Biogas	0.01%	0.01%
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