

# Chelmsford Choice

## Why and how to read Electricity Generation Disclosure Labels

Electricity generation disclosure labels are documents created by the electricity supplier for the Chelmsford 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.

535 Connecticut Avenue., 6<sup>th</sup> Floor, Norwalk, CT 06854 1-888-354-4415 [www.ppa.com](http://www.ppa.com)

Electric power suppliers are required by the Department of Public Utilities (DPU) to provide customers with information about a specific power source, air emissions, and information about a specific power source. Public Power provides energy labels to help you understand your energy needs. Public Power provides information about a specific power source based on the NEPOOL Generation Auction. See <https://www1.nes.com/Market/26&TabName=System%20Mix%20B> 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 Chelmsford Choice, which is the default, look for Standard Option.
- If you chose Chelmsford Choice Plus, look for Green option.

Unless you requested Chelmsford Choice Plus, you have Chelmsford Choice/the Standard Option.

Generation Prices				
Average Residential Customer Use per Month	250 kWh	500 kWh	1,000 kWh	2,000 kWh
Average Residential Customer Generation per Month	\$0.9403	\$0.9403	\$0.9403	\$0.9403
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 <a href="https://masspower.com">https://masspower.com</a> for important information.			

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

Mass. RPS	NE ISO
23.62%	76.38%

**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.

**Chelmsford Choice Plus participants will also see:**

**MA Class I RECS:** Voluntary renewable energy purchased from New England-based renewable energy projects.

**National Wind:** Voluntary renewable energy purchased from wind projects outside of New England.

NE ISO Power Sources	Power Source	System	Percentage	Percentage
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		0.35%	0.35%
	Geothermal		0.00%	0.00%
	Ground- and Water-source heat pump		0.14%	0.14%
	Hydroelectric/Hydropower		8.20%	8.20%
	Hydrokinetic		0.00%	0.00%
	Jet		0.02%	0.02%
	Landfill gas		0.58%	0.58%
	Liquid biofuels		0.75%	0.75%
	Municipal solid waste		0.75%	0.75%
	Natural Gas		35.26%	35.26%
	Nuclear		25.44%	25.44%
	Oil		5.67%	5.67%
	Solar Photovoltaic		2.17%	2.17%
Solar Thermal		0.05%	0.05%	
Trash-to-energy		2.47%	2.47%	
Wind		3.92%	3.92%	
Wood		1.42%	1.42%	
<b>Total</b>			100.00%	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 Chelmsford Choice Plus, these energy sources are not being used to generate your electricity.

Air Emission	New England Average (lbs/MWh)	
Carbon dioxide	CO <sub>2</sub>	1,593.08
	NO <sub>x</sub>	1.93
	SO <sub>2</sub>	3.58

**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.

Information from Public Power came from power sources with union contracts.

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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	\$0.9403	\$0.9403	\$0.9403	\$0.9403
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 <a href="https://masspowerchoice.com/chelmsford">https://masspowerchoice.com/chelmsford</a> for terms of service and other important information.			

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

Mass. RPS	NE ISO
23.62%	76.38%

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 October 1, 2018 – December 31, 2018	Air-source heat pump	0.05%	0.05%
	Biogas	0.01%	0.01%
	Biomass	2.05%	2.05%
	Coal	10.10%	10.10%
	Diesel	0.29%	0.29%
	Digester gas	0.09%	0.09%
	Efficient Resource (Maine)	0.23%	0.23%
	Fuel cell	0.35%	0.35%
	Geothermal	0.00%	0.00%
	Ground- and Water-source heat pump	0.14%	0.14%
	Hydroelectric/Hydropower	8.20%	8.20%
	Hydrokinetic	0.00%	0.00%
	Jet	0.02%	0.02%
	Landfill gas	0.58%	0.58%
	Liquid biofuels	0.75%	0.75%
	Municipal solid waste	0.75%	0.75%
	Natural Gas	35.26%	35.26%
	Nuclear	25.44%	25.44%
	Oil	5.67%	5.67%
	Solar Photovoltaic	2.17%	2.17%
Solar Thermal	0.05%	0.05%	
Trash-to-energy	2.47%	2.47%	
Wind	3.92%	3.92%	
Wood	1.42%	1.42%	
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	
<b>Air Emission</b>	<b>New England Average (lbs/MWh)</b>		
Carbon Dioxide (CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ) 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 <sub>2</sub>	1,593.08	
	NO <sub>x</sub>	1.93	
	SO <sub>2</sub>	3.58	
<b>Labor Information</b>	It is not known what percentage of the electricity from Public Power came from power sources with union contracts.		

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 Chelmsford 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 \$0.9403 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 Chelmsford'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 Chelmsford 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](mailto: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	\$0.10089	\$0.10089	\$0.10089	\$0.10089
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 <a href="https://masspowerchoice.com/chelmsford">https://masspowerchoice.com/chelmsford</a> for terms of service and other important information.			

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

Mass. RPS	MA Class I RECs	National Wind	NE ISO
23.62%	20.00%	56.38%	0.00%

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 October 1, 2018 – December 31, 2018	Air-source heat pump	0.05%	0.05%
	Biogas	0.01%	0.01%
	Biomass	2.05%	2.05%
	Coal	10.10%	10.10%
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	Fuel cell	0.35%	0.35%
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	Jet	0.02%	0.02%
	Landfill gas	0.58%	0.58%
	Liquid biofuels	0.75%	0.75%
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<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	
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