



This disclosure is required by the Massachusetts Department of Public Utilities

# Content Label for Cape Light Compact Retail Access Electricity Supply Customers

Data for this label is provided by NextEra Energy Services, Cape Light Compact's selected supplier.

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. "System Power" includes the mix of power generating resources in the regional electricity market.

Although the power delivered to Compact customers comes from the regional New England power grid, the Compact's supplier provides 100% renewable energy to Compact customers by retiring renewable energy certificates ("RECs") to match customers' usage as follows: 1) RECs to meet the MA Renewable Portfolio Standard (RPS), which includes a mix of RECs from wind, solar, biomass, and other qualified renewable generation resources; 2) RECs in addition to those required by the RPS from a MA Class 1 resource located in MA in a quantity equal to 1% of usage; and 3) RECs in addition to those required by the RPS representing generation from North American wind resources in a quantity equal to 99% of usage. This renewable content is reflected in the "Power Attribute Content" table to the right.

NextEra Energy Services will update fuel sources and emissions data to its customers quarterly, allowing customers to compare data among the companies providing electricity service on Cape Cod and Martha's Vineyard.

## Generation Prices\*

- Residential customers: prices in effect for June 2021 - Dec. 2021 are 10.743¢ per kWh
- Commercial customers: prices in effect for June 2021 - Dec. 2021 are 9.999¢ per kWh
- Industrial customers: prices in effect for June 2021 - Sept. 2021 are 8.784¢ per kWh

Prices do not include regulated charges for customer service and delivery. Those charges are billed by your local distribution company. For a breakdown of supply pricing, visit [capelightcompact.org/power-supply](http://capelightcompact.org/power-supply).

\*Prices include an adder of \$0.001/kWh for the Cape Light Compact Operating Fund.

## Air Emissions

Emissions for each of the following pollutants are presented as a percent of the region's average emission rate based on the System Mix. System average emission rates were prepared for New England Power Pool (NEPOOL) by ISO New England and are based on data from Q1 2020 through Q4 2020 for residential, and commercial and industrial rates.

Nitrogen Oxide (NO<sub>x</sub>) is formed 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 contributes 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 raised the acid level of lakes and streams, and accelerates the decay of buildings and monuments.

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.

## Disclosure Label Based on Data from Q1 2020 - Q4 2020

New England System Mix	
Power Source	System Mix Percentage
Air-source heat pump	0.09
Biogas	0.01
Biomass	2.18
Coal	0.23
Diesel	0.51
Digester Gas	0.10
Efficient Resource (Maine)	0.10
Energy Storage	0.03
Fuel Cell	0.46
Ground- and Water-source heat pump	0.07
Hydroelectric/Hydropower	6.74
Hydrokinetic	0.00
Jet	0.01
Landfill Gas	0.56
Liquid Biofuels	0.49
Municipal Solid Waste	0.67
Natural Gas	45.89
Nuclear	24.99
Oil	4.97
Solar Photovoltaic	4.68
Solar Thermal	0.02
Trash-to-energy	2.51
Wind	3.62
Wood	1.08
<b>*TOTAL</b>	<b>100.01</b>

Based on data from Q1 2020 - Q4 2020. Actual totals may vary slightly from 100% due to rounding.

Power Attribute Content*	
Cape Light Compact Aggregation Standard Supply Product	
Source	Percentage
MA Renewable Portfolio Standard Requirements (includes Wind, Solar, Biomass, and other renewable resources pursuant to MA regulations)	28.94
Voluntary Wind	99
Additional MA Class 1 RECs	1
<b>TOTAL**</b>	<b>128.94</b>

\*Power Attribute Content table reflects 2020 REC retirement requirements.

\*\*Total is above 100% because the Compact's supplier retires RECs in an amount greater than customers' annual load.

Note: Electricity customers in New England are served by an integrated power grid, not particular generating units. The System Mix information is based on the most recently available information provided via the NEPOOL Generation Information System. Cape Light Compact's Power Supplier procures electricity supply through system power contracts, not from specific generating units.

## Emissions Data

Emission Type	Lbs. per MWh	% NEPOOL System Average
Nitrogen Oxides (NO <sub>x</sub> )	0.7831	100
Sulfur Dioxide (SO <sub>2</sub> )	0.4299	100
Carbon Dioxide (CO <sub>2</sub> )	765.34	100

New unit emissions data for CO<sub>2</sub> is 895lbs/MWh; for NO<sub>x</sub> is 0.055 lbs/MWh; for SO<sub>2</sub> is 0.011 lbs/MWh.