

## Environmental Information for ConEdison Solutions Customers in MA (Excluding Cape Cod)



ConEdison Solutions' customers are served through a regional power grid administered by the New England Independent System Operator. ConEdison Solutions supplies its customers with system power from this regional power grid, not from specific generating units. ConEdison Solutions procures renewable energy content to meet the Massachusetts renewable portfolio standard requirements and to supply voluntary green products chosen by customers. Information about ConEdison Solutions' renewable power content is shown below in the table on the right.

ConEdison Solutions will update fuel sources and emissions data for its customers quarterly, allowing customers to compare data among the companies providing electricity service in New England.



### ConEdison Solutions April 30, 2016 Disclosure Label

Based on the most Current Data Available at the Time of Filing.

New England System Mix	
Fuel	Percentages
Biodiesel	0.00%
Biomass	2.07%
Coal	4.17%
Diesel	1.28%
Digester gas	0.03%
Efficient Resource (Maine)	0.46%
Energy Storage	0.00%
Fuel cell	0.18%
Geothermal	0.00%
Hydroelectric/Hydropower	6.18%
Hydrokinetic	0.03%
Jet	0.02%
Landfill gas	0.56%
Municipal solid waste	1.08%
Natural Gas	37.58%
Nuclear	30.22%
Oil	9.65%
Solar Photovoltaic	1.01%
Solar Thermal	0.00%
Trash-to-energy	2.02%
Wind	1.84%
Wood	1.61%
<b>Total</b>	<b>100.00%</b>

Con Edison Solutions Power Attribute Content	
Source	Percentage
MA Renewable Portfolio Standard Requirements (includes Wind, Solar, Biomass, and other renewable resources pursuant to MA regulations)	21.03%
System Mix	78.97%
<b>Total</b>	<b>100.00%</b>

**Labor Information:** ConEdison Solutions is unable to obtain information on how much of the electricity assigned to this electricity product came from power sources with union contracts with their employees. Additionally, ConEdison Solutions is unable to obtain information on how much of the electricity assigned to this electricity product came from power sources that used employees involving labor disputes during this period.

**For further information** contact:  
Massachusetts Department of Energy Resources • 617-626-7300  
• [DOER.Energy@State.MA.US](mailto:DOER.Energy@State.MA.US)  
• <http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-assistance/agencies-and-divisions/doer/>

Massachusetts Department of Public Utilities 1- 877-886-5066

ConEdison Solutions  
1.800.381.9192  
[www.conedisonsolutions.com](http://www.conedisonsolutions.com)

## Air Emissions

Emissions for each of the following pollutants are based on System Mix data provided by the New England Power Pool (NEPOOL) and ISO New England for the most current annual data available at the time of filing.

System average emission rates are based on the most current annual data available at the time of filing and were prepared for New England Power Pool (NEPOOL) by ISO New England.

### Emissions data:

#### ConEdison Solutions

Emission Type	Lbs. per MWh
Nitrogen Oxides (NO <sub>x</sub> )	0.808
Sulfur Dioxide (SO <sub>2</sub> )	1.079
Carbon Dioxide (CO <sub>2</sub> )	862.865

New Unite emissions data for CO<sub>2</sub> is 760 lbs/MWh; for NO<sub>x</sub> is 0.06 lbs/MWh; for SO<sub>2</sub> is 0.02 lbs/MWh

**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.

**Nitrogen Oxides (NO<sub>x</sub>)** is formed when fossil fuels and biomass are burned at high temperatures. NO<sub>x</sub> 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.

**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.

### Notes

The NEPOOL system mix represents all resources used for electricity generation in the region. ConEdison Solutions purchases power from the NEPOOL system.