

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 January 31, 2018 Disclosure Label Based on the most Current Data Available at the Time of Filing.

New England System Mix	
Fuel	Percentages
Biogas	0.00%
Biomass	2.04%
Coal	4.34%
Diesel	0.90%
Digester gas	0.07%
Efficient Resource (Maine)	0.25%
Fuel cell	0.28%
Geothermal	0.00%
Hydroelectric/Hydropower	6.71%
Hydrokinetic	0.00%
Jet	0.02%
Liquid Biofuels	0.00%
Landfill gas	0.56%
Municipal solid waste	1.16%
Natural Gas	37.54%
Nuclear	30.16%
Oil	7.14%
Solar Photovoltaic	2.17%
Solar Thermal	0.00%
Trash-to-energy	2.08%
Wind	2.90%
Wood	1.64%
Total	100.00%

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)	22.34%
System Mix	77.66%
Total	100.00%

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
• <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

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 _x)	0.89
Sulfur Dioxide (SO ₂)	1.24
Carbon Dioxide (CO ₂)	874.47

New Unite emissions data for CO₂ is 760 lbs/MWh; for NO_x is 0.06 lbs/MWh; for SO₂ is 0.02 lbs/MWh

Sulfur Dioxide (SO₂) is formed when fuels containing sulfur are burned, primarily coal and oil. Major health effects associated with SO₂ include asthma, respiratory illness and aggravation of existing cardiovascular disease. SO₂ 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_x) is formed when fossil fuels and biomass are burned at high temperatures. NO_x contribute to acid rain and ground-level ozone (or smog), and may cause respiratory illness in children with frequent high level exposure. NO_x also contribute to oxygen deprivation of lakes and coastal waters which is destructive to fish and other animal life.

Carbon Dioxide (CO₂) 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.