

Town of Greenfield

Municipal Aggregation Program

Annual Report to Department of Public Utilities

December 1, 2015



The Town of Greenfield submits this first annual report to the Department of Public Utilities regarding the Town’s municipal aggregation program which launched in January 2015.

**1. Competitive Supplier**

The competitive supplier for the program is ConEdison Solutions.

**2. Term of Energy Services Agreement**

The original term of the energy services agreement was for the meter readings from January 2015 through January 2016. Greenfield and ConEdison Solutions renegotiated the agreement to reduce the price per kWh and extend the agreement through the January 2017 meter reads.

**3. Enrollment Statistics**

The table below lists the number of active customer accounts by month and customer class.

Month	Customer Counts			Total
	Residential	Small Business	Large Business	
Jan 2015	6,609	1,216	20	7,845
Feb 2015	6,421	1,185	19	7,625
Mar 2015	6,226	1,166	17	7,409
Apr 2015	6,041	1,145	17	7,203
May 2015	5,850	1,139	16	7,005
June 2015	5,644	1,132	14	6,790
July 2015	5,497	1,120	13	6,630
Aug 2015	5,345	1,107	13	6,465

Note: Due to lags in data reporting, complete data is available only through August 2015

#### **4. Optional Product**

The standard program offering is 100% green, made up primarily of Maine Class II hydroelectric RECs. The program also offers an optional greener product that includes 20% Massachusetts Class I RECs over and above the RPS requirement. The incremental cost for the greener option is 1.66 cents/kWh. Currently, three customers are enrolled in the greener option.

#### **5. Information Disclosure**

Greenfield has implemented a multi-pronged information disclosure strategy to ensure that all customers are fully informed of the program.

**Opt-out letter:** As this was the year that the program launched, all eligible customers received an opt-out letter informing them of the program and their right to opt-out.

**Community meeting:** Greenfield held a community meeting to inform citizens about the program and to answer questions. The meeting was hosted by Mayor Martin and held at Greenfield Community College on December 4, 2014. The meeting was broadcast on community access television.

**Town web site:** Since before the program launch, Greenfield has provided comprehensive information about the aggregation program on the town web site (<http://www.greenfield-ma.gov/Pages/GreenfieldLight&Power>). The information includes pricing, customer opt-out rights, and answers to a detailed set of Frequently Asked Questions.

**Telephone-based information:** The program provides three options for customers seeking telephone-based support. Customers can call the town's Director of Energy and Sustainability; ConEdison Solutions, the program's competitive supplier; and Peregrine Energy Group, a consulting firm assisting the town with the program.

**Energy Disclosure Label:** The Energy Disclosure Label is available on the town web site. A copy of the label is attached as Exhibit A.

**Press Releases:** The town conducted outreach to reporters at the *Greenfield Recorder*. This outreach resulted in articles published on November 22, 2014, December 4, 2014, May 15, 2015, and August 1, 2015.

Exhibit A

Energy Disclosure Label



**Content label for Greenfield Light and Power Program**

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.



Customer type	Generation Prices (cents per kilowatt hour)	Greener Option (cents per kilo Watt hour)	Period in effect
Residential	¢10.99	¢12.65	Aug. 2015–Dec. 2015 meter read
Commercial	¢10.92	¢12.58	
Industrial	¢10.84	¢12.50	
Generation prices do not include regulated charges for customer service and delivery. Those charges are billed by your local distribution company.			

**ConEdison Solutions October 1, 2015 Disclosure Label**

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

New England System Mix	
Fuel	Percentages
Biodiesel1	0.00%
Biomass	2.23%
Coal	11.10%
Diesel	1.51%
Digester gas	0.03%
Efficient Resource (Maine)	0.56%
Energy Storage	0.00%
Fuel cell	0.18%
Geothermal	0.00%
Hydroelectric/Hydropower	6.22%
Hydrokinetic	0.02%
Jet	0.01%
Landfill gas	0.55%
Municipal solid waste	1.00%
Natural Gas	31.22%
Nuclear	29.90%
Oil	9.05%
Solar Photovoltaic	0.54%
Solar Thermal	0.00%
Trash-to-energy	1.85%
Wind	2.34%
Wood	1.67%
<b>Total</b>	<b>100.00%</b>

Con Edison Solutions Power Attribute Content	
Greenfield Aggregation Standard Option (100% Green)	
Source	Percentage
MA Renewable Portfolio Standard Requirements (includes Wind, Solar, Biomass, and other renewable resources pursuant to MA regulations)	19.25%
Maine Class II Resources (Hydroelectric)	80.75%
<b>Total</b>	<b>100.00%</b>

Greenfield Greener Option (100% Green)	
Source	Percentage
MA Renewable Portfolio Standard Requirements (includes Wind, Solar, Biomass, and other renewable resources pursuant to MA regulations)	19.25%
MA Class I Resources (Wind)	20.00%
Maine Class II Resources (Hydroelectric)	60.75%
<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:**  
**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-ssistance/  
 agencies-and-divisions/doer/](http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-ssistance/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

System average emission rates are based on data for the third quarter 2014 and were prepared for New England Power Pool (NEPOOL) by ISO New England.

### Emissions data:

System average emission rates are based on data for the first-quarter 2015 and were prepared for New England Power Pool (NEPOOL) by ISO New England.

### ConEdison Solutions

Emission Type	Lbs. per MWh
Nitrogen Oxides (NO <sub>x</sub> )	0.86115
Sulfur Dioxide (SO <sub>2</sub> )	0.641
Carbon Dioxide (CO <sub>2</sub> )	0.92028

New unit 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 0.08 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 Oxide (NO<sub>x</sub>)** is formed when fossil fuels and biomass are burned at high temperatures. NO<sub>x</sub> contributes 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.