

BY E-FILE AND FEDERAL EXPRESS

Mark D. Marini, Secretary  
Department of Public Utilities  
One South Station, 5<sup>th</sup> Floor  
Boston, MA 02110

December 1, 2016

RE: D.P.U. 15-107, Town of Carver – Annual Report for Aggregation Program

Dear Secretary Marini:

Enclosed for filing on behalf of the Town of Carver in the above-referenced docket, please find the Annual Report for the Town's Community Electricity Aggregation Program.

Please let me know if you have any questions in regards to this submission.

Sincerely,



Scott J. Mueller  
Counsel for Good Energy, L.P.

cc: Jeanne Voveris, Asst. General Counsel (email)  
Elizabeth Lydon, Counsel (email)  
Service List (email)

**D.P.U. 15-107, TOWN OF CARVER MUNICIPAL AGGREGATION PLAN**  
**ANNUAL REPORT TO THE**  
**MASSACHUSETTS DEPARTMENT OF PUBLIC UTILITIES**  
**December 1, 2016**

**I. BACKGROUND**

On October 8, 2015, the Department of Public Utilities (Department) approved the Municipal Aggregation Plan of the Municipality pursuant to G.L. c. 164. The Department directed the Municipality to file an annual report with the Department on December 1 of each year. The Municipality hereby submits its annual report for 2016.

**II. COMPETITIVE SUPPLIER**

During this period the competitive supplier was ConEdison Solutions, Inc. (CES).

**III. TERM OF THE ELECTRIC SERVICE AGREEMENT**

The Electric Service Agreement (ESA) between CES and the Municipality, requires CES to provide all-requirements power supply to participating customers for a two-year term. Under the ESA, which became effective when executed in November, 2015, service to customers commenced on the date of the first meter read for participating customers after December 31, 2015, and is to continue through the first meter read after December 31, 2017.

**IV. MONTHLY ENROLLMENT AND USAGE STATISTICS**

Monthly enrollment and usage statistics from the January 2016 consumer meter read date to the latest date that data was available from the competitive supplier is included in Exhibit A. Please note that the monthly statistics are based on meter reads and the October 2016 data does not capture a complete month of enrollment and usage statistics.

**V. RENEWABLE ENERGY OPTIONS**

The Municipality offers a standard product that has the level of renewable energy required by the Massachusetts Renewable Portfolio Standard (RPS). The Municipality also offers an optional green program under which customers may purchase an additional 5% of renewable energy above the RPS requirement. Information regarding the price and content of the green option is shown in the sample information disclosure label included as Exhibit B.

## VI. ALTERNATIVE INFORMATION DISCLOSURE STRATEGY

The Department approved a waiver of the requirement that the Municipality or its competitive supplier mail a quarterly distribution disclosure label to all customers and authorized an alternative information disclosure strategy. In developing and implementing the aggregation program, the Municipality has made available information about the program through a variety of means including postings at municipal buildings, public service presentations and postings on the program website. The Municipality's alternative disclosure strategy in the past year included the following:

- Provided information about the program and the price to be charged to the customer in the Customer Notification Letter mailed by the competitive supplier to all initial eligible customers and, thereafter, to all new eligible customers who move into the Municipality.
- Established a link to the [www.masscea.com](http://www.masscea.com) website maintained by aggregation consultant, Good Energy, L.P. This website provides information and updates about the program, including disclosure labels as required by 220 CMR 11.06(2)(b) through 11.06(2)(e). A new information disclosure label is posted quarterly and is available for review on the website until the next quarterly label is posted. A sample information disclosure label is included as Exhibit B.

# EXHIBIT A

Town of Carver											
2016											
Total Accounts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
G1	403	440	446	447	459	446	450	455	452	438	
G2	1	1	1	1	1	1	1	1	1	1	
G5	1	1	1	1	1	1					
G7	26	28	30	32	31	31	31	31	31	30	
R1	2,682	2,713	2,705	2,753	2,827	2,850	2,886	2,891	2,908	2,844	
R2	339	341	339	336	347	342	341	339	333	325	
R3	153	155	153	154	151	150	152	154	155	154	
R4	25	25	22	22	23	23	23	24	25	25	
R5	84	84	84	84	86	86	85	85	85	85	
S1	37	41	41	40	41	41	41	41	41	41	
<b>Monthly Totals</b>	<b>3,751</b>	<b>3,829</b>	<b>3,822</b>	<b>3,870</b>	<b>3,967</b>	<b>3,971</b>	<b>4,010</b>	<b>4,021</b>	<b>4,031</b>	<b>3,943</b>	
Total Usage (MWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Class Totals
G1	256	331	315	316	299	321	385	427	386	365	3,401
G2	0	0	1	1	1	1	1	1	1	1	7
G5	0	1	0	0	0	0	0	0	0	0	2
G7	52	57	61	98	107	148	141	176	275	282	1,398
R1	1,306	1,678	1,701	1,460	1,598	1,879	2,752	2,811	1,972	1,794	18,952
R2	186	245	245	213	206	229	308	313	242	216	2,403
R3	153	215	190	141	106	105	140	147	111	116	1,424
R4	32	45	39	28	22	23	30	31	22	24	296
R5	58	78	77	65	60	64	85	85	66	64	699
S1	3	5	5	4	4	4	5	5	5	7	48
<b>Monthly Totals</b>	<b>2,047</b>	<b>2,656</b>	<b>2,634</b>	<b>2,328</b>	<b>2,403</b>	<b>2,774</b>	<b>3,846</b>	<b>3,996</b>	<b>3,080</b>	<b>2,868</b>	<b>28,630</b>

**Content label for Carver  
Community Choice Electricity Supply 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.

**Generation Prices (cents per kilowatt hour)**

Customer type	Standard Option (cents per kilowatt hour)	Greener Option (cents per kilowatt hour)	Period in effect
All Customers	0.0949	0.0978	Jan. 2016 – Jan. 2018 meter read
Generation prices do not include regulated charges for customer service and delivery. Those charges are billed by your local distribution company.			

**ConEdison Solutions October 31, 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	2.11%
Coal	2.58%
Diesel	1.43%
Digester gas	0.05%
Efficient Resource (Maine)	0.31%
Energy Storage	0.00%
Fuel cell	0.21%
Geothermal	0.00%
Hydroelectric/Hydropower	6.30%
Hydrokinetic	0.02%
Jet	0.01%
Landfill gas	0.44%
Municipal solid waste	1.11%
Natural Gas	40.84%
Nuclear	28.19%
Oil	9.09%
Solar Photovoltaic	1.42%
Solar Thermal	0.00%
Trash-to-energy	2.10%
Wind	2.15%
Wood	1.63%
<b>Total</b>	<b>100.00%</b>

Con Edison Solutions Power Attribute Content	
Carver Aggregation–Standard Option	
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>

Carver Aggregation–Greener Option	
Source	Percentage
MA Renewable Portfolio Standard Requirements (includes Wind, Solar, Biomass, and other renewable resources pursuant to MA regulations)	21.03%
MA Class I Resource (Wind)	5.00%
<b>Total</b>	<b>26.03%</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  
1-855-788-9885  
[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> )	0.753
Sulfur Dioxide (SO <sub>2</sub> )	0.961
Carbon Dioxide (CO <sub>2</sub> )	824.717

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