

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, 2017

RE: D.P.U. 15-92, City of Melrose – 2017 Annual Report for Aggregation Program

Dear Secretary Marini:

Enclosed for filing on behalf of the City of Melrose in the above-referenced docket, please find the 2017 Annual Report for the City'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. 15-92, CITY OF MELROSE MUNICIPAL AGGREGATION PLAN**  
**ANNUAL REPORT TO THE**  
**MASSACHUSETTS DEPARTMENT OF PUBLIC UTILITIES**  
**December 1, 2017**

**I. BACKGROUND**

On September 29, 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 2017.

**II. COMPETITIVE SUPPLIER**

During the period of January 2017 to July 2017 the competitive supplier was Constellation New Energy, Inc. (CNE).

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

The initial Electric Service Agreement (ESA) between CNE and the Municipality, required CNE to provide all-requirements power supply to participating customers for a one-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 continued through the first meter read after December 31, 2016. CNE and the City subsequently agreed to extend the ESA through consumer's first meter read after July 1, 2017. At that time, participants in the aggregation program were returned to Basic Service with the local distribution company, National Grid.

**IV. MONTHLY ENROLLMENT AND USAGE STATISTICS**

Monthly enrollment and usage statistics for 2017 provided by the competitive supplier to the Municipality to date is included in Exhibit A. The Municipality will supplement its report with complete data upon receipt from the competitive supplier.

## V. RENEWABLE ENERGY OPTIONS

The Municipality offered as its standard product Melrose Local Green which included an additional 5% of renewable energy above the level required by the Massachusetts Renewable Portfolio Standard (RPS). The Municipality also offered two optional programs – Melrose Basic, which included the level of green energy required by the RPS and Melrose Premium Local Green which included 100% green energy. Information regarding the price and content of the Melrose standard and optional products are 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

## Melrose

	GENERAL SERVICE	GENERAL SERVICE Secondary	Residential low income	RESIDENTIAL Secondary	GENERAL SERVICE	GENERAL SERVICE Secondary	GENERAL SERVICE Secondary	Residential low income	RESIDENTIAL Secondary	GENERAL SERVICE	GENERAL SERVICE Secondary	Residential low income	RESIDENTIAL Secondary	Unmetered Secondary	Count	Usage
201703		3	7	62		1,225		1,998	11,050						72	14,273
201704	235	396	332	8,224	197,942	403,969	95,433	146,936	3,934,694		10,447	9,200	4,789,421		9,200	4,789,421
201705	234	397	337	8,160	148,211	370,804	97,760	121,127	3,389,129		7,978	9,141	4,135,009		9,141	4,135,009
201706	239	417	370	8,417	149,257	417,898	106,807	131,158	4,119,488		7,605	9,456	4,932,213		9,456	4,932,213
201707	235	402	281	8,106	149,490	499,253	118,405	141,526	5,090,892		8,145	9,037	6,007,711		9,037	6,007,711
201708	19	31	60	258	31,418	69,140		18,256	78,811						368	197,625
Total	962	1,646	1,387	33,227	676,318	1,762,289	418,405	561,001	16,624,064		34,175	37,274	20,076,252		37,274	20,076,252

**Constellation NewEnergy, Inc.  
August 2017 Environmental Disclosure Label**

<b>City of Melrose Community Electricity Aggregation Program</b>		
<b>Rate Classes</b>	Residential (R-1, R-2) Commercial (G-1, Streetlighting) Industrial (Demand G-2)	
<b>Contract</b>	<b>Duration</b>	<b>Contract Terms</b>
	January 2017 – July 2017	Per energy service agreement.

<b>Program Type</b>	<b>System Power</b>	<b>MA RPS</b>	<b>MA Class I RECs</b>	<b>Price (\$/kwh)</b>
Melrose Basic	78.97%	21.03%	0%	\$0.1007
Melrose Local Green	73.97%	21.03%	5%	\$0.1022
Melrose Premium Local Green	0%	21.03%	100%	\$0.1307

<b>System Power Generation Sources</b> Based on the most current data available, system power was generated from the following sources:	<b>Fuel Types</b>	<b>Percentages</b>
	Biomass	0.0%
	Coal	3.2%
	Hydro: large	0.3%
	Hydro: small	0.0%
	Imported Power	0.0%
	Municipal Trash	0.2%
	Natural Gas	45.6%
	Nuclear	16.0%
	Oil	11.6%
	Other Renewables	0.0%
	Solar	0.0%
	System Mix	23.1%
	Wind	0.0%
<b>Total</b>	<b>100.0%</b>	

<b>Air Emissions</b> Carbon Dioxide (CO <sub>2</sub> ), Nitrogen Oxide (NO <sub>x</sub> ) and Sulfur Dioxide (SO <sub>2</sub> ) emission rates		<b>New Generation Units (lbs/MWh)</b>	<b>System Power (lbs/MWh)</b>	<b>% compared to New England Regional Average</b>
	Carbon Dioxide (CO <sub>2</sub> )	760.0000	871.6271	78%
	Nitrogen Oxide (NO <sub>x</sub> )	0.0600	0.8451	47%
	Sulfur Dioxide (SO <sub>2</sub> )	0.0200	1.71509	33%

<b>Labor Information</b>	<ul style="list-style-type: none"> <li>76% of the electricity from System Power came from power sources with a union contract with their employees.</li> </ul>
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## **NOTES**

1. Electricity customers in New England are served entirely from the New England integrated power grid and not any one particular generating unit. Power source percentages are based on information for the period January 2016 – December 2016, the most recently available data.
2. See below and the terms of service for further information on this label. You may also call Constellation toll-free at (877) 997-9995 or the Massachusetts Department of Public Utilities at (877) 886-5066.

## **LABEL DESCRIPTION**

### **Generation Price and Contract:**

Generation Price is for electricity at usage levels that are typical for residential and small commercial customers. Contract items present the length of your contract for generation service, and the price terms included in your contract. See your recent bills to determine average monthly use, and your Terms of Service for additional information.

### **Power Sources:**

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. Known Resources include resources that are owned by, or under contract to, Constellation. System Power represents power purchased in the regional electricity market. Biomass refers to power plants that are fueled by wood or other plant matter. Hydro resources of greater than 30 megawatts in size are deemed "large hydro." All other hydro resources are deemed "small hydro." Other Renewables include fuel cells utilizing renewable fuel sources, landfill gas, and ocean thermal.

### **Emissions:**

Emissions are provided for each of the following pollutants in the category of a hypothetical new generation unit, system power and as a percent comparing system power to the regional average.

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.

Nitrogen Oxides (NO<sub>x</sub>) form 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 contribute 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 raises the acid level of lakes and streams, and accelerates the decay of buildings and monuments.

### **Labor Data:**

The information on this label regarding whether generators or suppliers operate under collective bargaining agreements is provided to inform you about whether the energy was produced in plants where employee wages and working conditions are mutually determined by employees and management, and protected by union contracts.

### **For more information:**

Constellation Customer Service: (877) 997-9995

Massachusetts Department of Public Utilities: (877) 886-5066