

Ad-Hoc Municipal Aggregation Committee

Meeting Minutes – March 23, 2023

The Ad-Hoc Municipal Aggregation Committee met on March 23, 2023, from 4:00 PM to 5:26 PM in the Mayor's Conference room. The following individuals were in attendance:

Ad-Hoc Municipal Committee members:

- Chairman M. Ossing, Councilor L. Wagner, K. Holmi, DPW Commissioner S. Divoll and C. McGrath (representing Mayor Vigeant).
- Members Absent: None

Representing Colonial Power:

- M. Cappadona, D. Allard and S. Ormsbee

The following items were discussed:

- 1. Minutes of the October 4, 2022 - Ad-Hoc Municipal Aggregation Committee meeting:**
 - The Committee approved the October 4, 2022, minutes with a 4 – 0 vote.
- 2. Council Update – in accordance with Council Order 19-1007578 item 4:**
 - a. October 17, 2022 - Council agenda item #13e – October 4, 2022 Municipal Aggregation minutes
 - b. January 9, 2023 -Council agenda item #4 – December 2022 update to the City Council
 - c. March 27, 2023 -Council agenda item #4 – March 2023 update to the City Council
- 3. Review letter to the City Council regarding the fourth quarter residential savings:**
 - The Chair reviewed the March 16, 2023, letter to the City Council that identified the savings of over \$3,800,000 for the residents participating in the City's energy aggregation program from October to December 2022.
- 4. Review savings with Inspire Energy for calendar year 2022:**
 - Attachment 1 shows that residential customers in the program saved over \$6,000,000 in 2022.
 - All customers (residential, commercial, and industrial) in the program saved over \$10,000,000 in 2022.
 - Total programs savings since inception in 2007 are over \$18,000,000.
- 5. Review National Grid (NGrid) 2023 summer rates:**
 - The Chair reviewed the recently issued NGrid summer rates which will be set close to 0.14115 \$/kilowatt hour (kWh) for the May 2023 to October 2023 summer season (Attachment 2). This is a decrease from the current NGrid winter rates of 0.33891 \$/kilowatt hour (kWh) and an increase from the summer 2022 NGrid rate of 0.11491 \$/kilowatt hour (kWh).
- 6. Review projected 2023 savings with Inspire Energy:**
 - The Chair reviewed the 2023 projected residential savings from the Inspire contract (Attachment 3) to be more than \$9,600,000. The projection uses the 2022 electricity usage and is for illustration purposes only. Actual savings will vary.
- 7. Discuss latest forecast of NGrid rates:**

- Colonial Power provided Attachment 4 that illustrates the projected NGrid basic service rates through April 2026. The graph illustrates that the current Inspire contract rates (that runs through January 2024) will be less than the NGrid projected rates. This will result in savings to the residential electricity users in the program.
- Items worth noting on the graph include winter rates in 2024-2026 range from 19 cents to 16 cents. Summer rates in 2024-2025 hover around the 10-cent range.

8. Discuss indicative pricing for future contracts:

- The committee discussed the potential challenges with extending the current contract when it expires in January 2024. The current world events (war in Ukraine, inflation, and bank failures) are contributing to increased rates for electricity. However, the warmer winter in 2022-23 has resulted in a surplus of gas which may impact pricing going forward. It was acknowledged that the program will not be able to secure rates similar to the 0.09390 \$/kW-hr.
- The Committee discussed blending and extending option for the current contract as well as obtaining indicative pricing if the City were to go out to bid now.
- Colonial Power provided indicative pricing from 5 bidders covering contract ranges from 6 months to 3 years as well as the minimum required renewable component (62%) and the 100% renewable options. See Attachment 5.
- The committee discussed having a long term stable pricing with 100% renewable to provide users with predictability in their electric bill as well as supporting Marlboro's green initiative to have 100% renewable electricity supply.
- Based on the above, the best price for a 36 month contract (Jan 2024 to December 2026) was 0.13350 \$/kW-hr. This would be an increase from the current rate of 0.09390 \$/kW-hr.
- The committee acknowledged that the current contract with Inspire Energy expires in January 2024. A decision on a new contract needs to be made by October 2023 to get a new contract in place.
- The committee agreed to continue to monitor electricity rates and be ready to act quickly if conditions change.
- Colonial Power will send the revised contract language to Krista Holmi in order for the City to review and be able to execute in a timely manner.

9. Miscellaneous items:

- Colonial Power and M. Ossing attended a trade show in New Hampshire on November 17, 2022 to discuss municipal aggregation for New Hampshire municipalities.
- M. Ossing participated in the Massachusetts Municipal Association (MMA) trade show and moderated a session on municipal aggregation.
- The DOER has issued a draft document "Municipal Aggregation Manual and Best Practices Guide" for review.
- UMass issued a report on "Community Choice Electricity Programs – A Survey of Massachusetts Municipalities" dated February 6, 2023.
- The Marlboro Municipal Aggregation website has been updated to reflect current pricing, contact information and links to the Colonial Power website.

10. Status of Municipal Aggregation Contract with Colonial Power:

- The City contract with Colonial Power will end in September 2023. Krista Holmi will discuss with the Mayor regarding a new contract.

- **ACTION:** K. Holmi to discuss broker contract.

11. Next meeting:

- The next scheduled meeting will be in October 2023 after National Grid releases their winter 2023 basic service rates.
- Anticipate an earlier meeting depending on pricing that may require the Committee to meet to address.

Attachment 1: Residential Savings in 2022 and Total Program Savings since 2007 (2 pages)

Attachment 2: NGrid 2023 summer rates (1 page)

Attachment 3: Projected 2023 residential savings (1 page)

Attachment 4: March 16, 2023 graph illustrating the projected NGrid residential basic service rates through April 2026 (1 page)

Attachment 5: Indicative Pricing from Suppliers for the January 2024 to December 2026 (4 pages)

Actual Savings with Inspire for 2022

Date	NGrid Basic Service Rate (\$/kWh)	City Rate (\$/kWh)	City Residential Electricity Usage (kW)	City Residential User Savings
First Quarter 2022	Jan - Mar 0.14821	Jan – Mar 0.09390	Jan – 7,385,820 Feb – 7,242,825 Mar – 5,644,740	\$1,101,047
Second Quarter 2022	Apr – 0.14821 May – 0.11491 Jun – 0.11491	Apr – Jun 0.09390	Apr – 5,342,538 May – 6,515,540 Jun – 7,284,853	\$580,100
Third Quarter 2022	Jul – Sept 0.11491	Jul – Sept 0.09390	Jul – 9,683,623 Aug – 7,136,101 Sept – 4,830,393	\$454,869
Fourth Quarter 2022	Oct – 0.11491 Nov – 0.33891 Dec – 0.33891	Oct – Dec 0.09390	Oct – 4,959,767 Nov – 7,150,486 Dec – 8,195,157	\$3,864,041
Total Savings				\$6,000,057

Insights:

- **Initial estimated savings in January 2022 was \$3,270,812**
- **Revised estimated savings in October 2022 was \$5,797,039**
- **Actual Residential Savings for 2022– \$6,000,057**
- **Actual Savings – all classes in 2022 - \$10,082,594**

Total Program Savings Since Inception – All Rate Classes

Year	Savings (Losses)
2022	\$10,082,594
2021	\$2,245,278
2020	\$1,639,421
2019	\$951,986
2018	\$621,280
2017	\$272,419
2016	\$916,539
2015	(\$684,889)
2014	\$1,790,918
2013	Program Suspended
2012	(\$927,288)
2011	\$128,208
2010	\$294,185
2009	\$499,287
2007 – 2008	\$805,263
TOTAL Savings	\$18,635,201

Massachusetts Electric Company
 Nantucket Electric Company
 d/b/a National Grid
 D.P.U. 23-BSF-D1
 Explanatory Statement
 Page 2 of 3
 H.O. Julianne Desmet

Explanatory Statement

II. SUMMARY OF BASIC SERVICE RATES

The Company's proposed fixed Basic Service rates for the periods May 1, 2023 through October 31, 2023 for the residential and commercial customer groups and May 1, 2023 through July 31, 2023 for the industrial customer group, including currently effective BSACFs and SGCCAFs, are set forth below. The Company has also proposed changes to its BSACFs effective May 1, 2023 and therefore is also providing Basic Service rates reflecting the BSACFs proposed for effect May 1, 2023.

	<u>Proposed Fixed Basic Service Rates</u>	
	<u>Including Currently Effective BSACFs and SGCCAFs</u>	<u>Including Proposed BSACFs and Current SGCCAFs</u>
Residential	13.822¢	14.115¢
Commercial	13.124¢	13.393¢
Industrial NEMA	13.234¢	13.338¢
Industrial SEMA	12.796¢	12.900¢
Industrial WCMA	12.836¢	12.940¢

III. COMPETITIVE PROCUREMENT PROCESS

Pursuant to the Department's parameters for Basic Service procurement set forth in the Department's orders in D.T.E. 99-60 and D.T.E. 02-40, National Grid issued an RFP on February 3, 2023 to supply National Grid's Basic Service needs. For the residential and commercial customer groups, this RFP solicited 50 percent of National Grid's Basic Service supply needs for the period May 2023 through October 2023 and 50 percent of National Grid's Basic Service supply needs for the period November 2023 through April 2024. For the industrial customer group, this RFP solicited National Grid's entire Basic Service supply needs for the period May 2023 through July 2023. Bidders were required to provide Zone-specific bids for load blocks in each of the three Zones in which National Grid provides Basic Service. This RFP solicitation is consistent with past RFPs performed by National Grid.

IV. COSTS ASSOCIATED WITH THE RENEWABLE ENERGY PORTFOLIO STANDARD – CLASS I, RENEWABLE ENERGY PORTFOLIO STANDARD – CLASS II, ALTERNATIVE ENERGY PORTFOLIO STANDARD, CLEAN ENERGY STANDARD, AND CLEAN PEAK ENERGY PORTFOLIO STANDARD

Projected Savings from the Inspire Contract for 2023
This is based on the NGrid projected summer rate of 0.14115
This is for illustration purposes only.

Date	NGrid Basic Service Rate (\$/kW-hr)	City Rate (\$/kW-hr)	City Residential Electricity Usage NOTE 1 (kW)	City Residential User Savings NOTE 1	Actual Savings
First Quarter 2023	Jan - Mar 0.33891	Jan – Mar 0.09390	Jan – 7,385,820 Feb – 7,242,825 Mar – 5,644,740	\$4,967,182	TBD
Second Quarter 2023	Apr – 0.33891 May – 0.14115 Jun – 0.14115	Apr – Jun 0.09390	Apr – 5,342,538 May – 6,515,540 Jun – 7,284,853	\$1,961,044	TBD
Third Quarter 2023	Jul – Sept 0.14115	Jul – Sept 0.09390	Jul – 9,683,623 Aug – 7,136,101 Sept – 4,830,393	\$1,022,968	TBD
Fourth Quarter 2023	Oct – 0.14115 Nov – 0.19000 Dec – 0.19000	Oct – Dec 0.09390	Oct – 4,959,767 Nov – 7,150,486 Dec – 8,195,157	\$1,709,065	TBD
Total Savings				\$9,660,259	

NOTE 1: Electricity Usage based on 2022 residential usage values. Actual savings will vary.

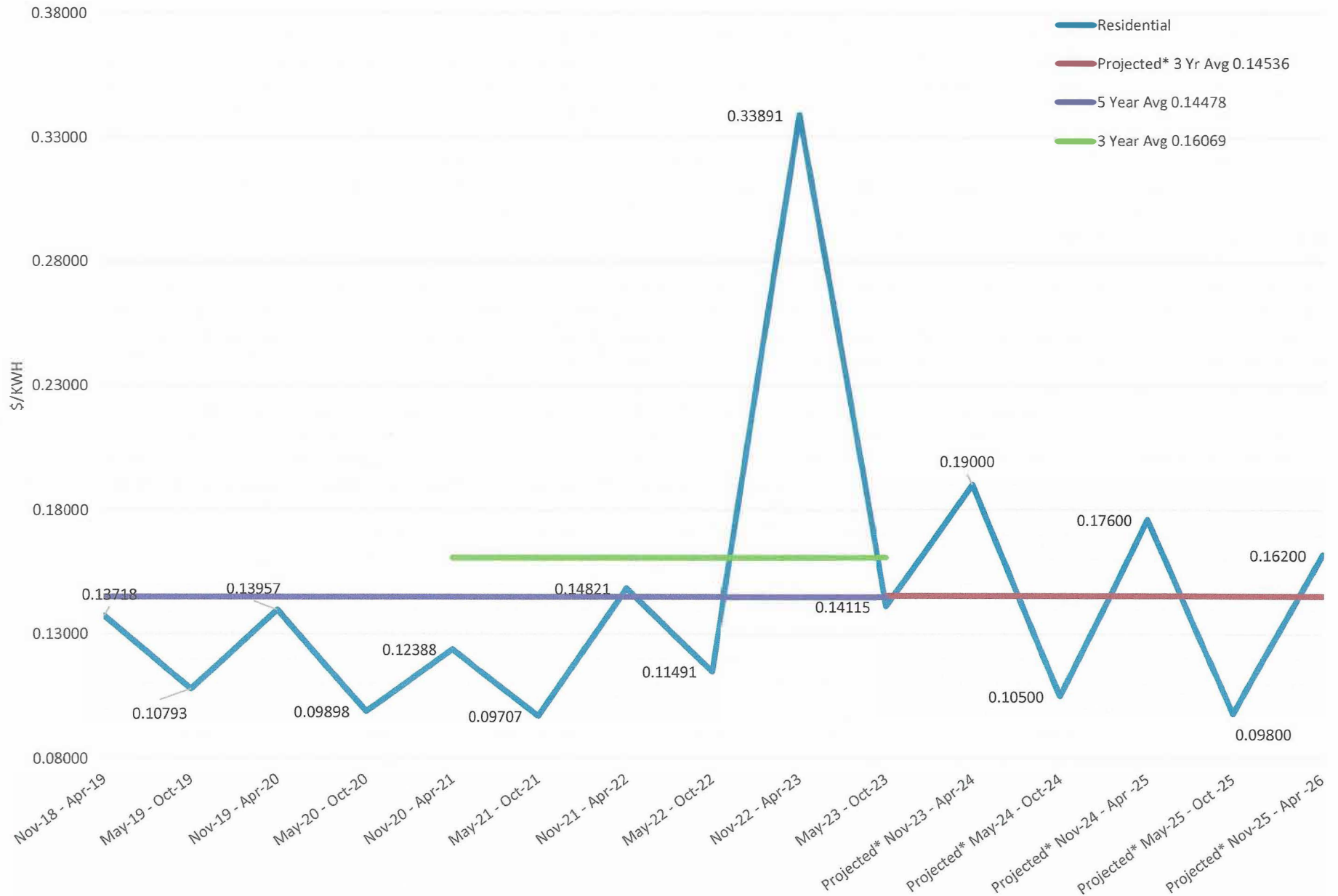
October 2022 Insights:

- The first 3 quarters in 2023 are projected to save \$7,951,194.
- The fourth quarter in 2023 is projected to save \$1,709,065 (NOTE: the 0.1900 rate is an estimate)
- The Inspire contract continues to save residents money over NGrid basic service rates.
- Continue to meet Council Order for savings over NGrid

National Grid Residential Basic Service

as of 3/16/2023

Attachment 4



*Per Colonial Power Group

CITY OF MARLBOROUGH
 ALL-REQUIREMENTS RETAIL POWER SUPPLY PRICING MATRIX
 COMBINED RATE COMPARISON -- Price Set 1

			FIXED PRICE					PROJECTED
START TERM	END TERM	TERM LENGTH	SUPPLIER #1	SUPPLIER #2	SUPPLIER #3	SUPPLIER #4	SUPPLIER #5	BASIC SERVICE
								11/1/23-4/30/24 NGRID/WCMA
STANDARD RETAIL ELECTRIC SUPPLY - Meets MA Requirement [62% for 2024; steps up each year]								0.19000
1/1/2024	6/30/2024	6	0.14814	0.14930	0.15352	0.15499	No Bid	
1/1/2024	6/30/2024	6	0.14814	0.14930	0.15352	0.15499	No Bid	
7/1/2024	12/31/2024	6	0.13930	0.12860	0.14230	0.14669	No Bid	
1/1/2024	12/31/2024	12	0.14328	0.13910	0.14800	0.15072	No Bid	
1/1/2024	6/30/2025	18	0.14101	0.13880	0.14612	0.15033	No Bid	
1/1/2024	12/31/2025	24	0.13688	0.13420	0.14195	0.14843	No Bid	
1/1/2024	6/30/2026	30	No Bid	0.13460	0.14155	0.14788	No Bid	
1/1/2024	12/31/2026	36	No Bid	0.13200	0.14026	0.14524	No Bid	
RETAIL SUPPLY THROUGH PURCHASE OF NATIONAL WIND RECS - MA Requirement + 38% [62% + 38% VREC = 100% for 2024]								
1/1/2024	6/30/2024	6	0.14925	0.15080	0.15487	0.15651	No Bid	
1/1/2024	6/30/2024	6	0.14925	0.15080	0.15487	0.15651	No Bid	
7/1/2024	12/31/2024	6	0.14088	0.13010	0.14379	0.14821	No Bid	
1/1/2024	12/31/2024	12	0.14455	0.14060	0.14942	0.15224	No Bid	
1/1/2024	6/30/2025	18	0.14231	0.14040	0.14761	0.15185	No Bid	
1/1/2024	12/31/2025	24	0.13825	0.13580	0.14348	0.14995	No Bid	
1/1/2024	6/30/2026	30	No Bid	0.13620	0.14311	0.14940	No Bid	
1/1/2024	12/31/2026	36	No Bid	0.13350	0.14185	0.14676	No Bid	

CITY OF MARLBOROUGH
ALL-REQUIREMENTS RETAIL POWER SUPPLY PRICING MATRIX
COMBINED RATE COMPARISON -- Price Set 2

			FIXED PRICE					PROJECTED
START TERM	END TERM	TERM LENGTH	SUPPLIER #1	SUPPLIER #2	SUPPLIER #3	SUPPLIER #4	SUPPLIER #5	BASIC SERVICE
								11/1/23-4/30/24 NGRID/WCMA
STANDARD RETAIL ELECTRIC SUPPLY - Meets MA Requirement [62% for 2024; steps up each year]								0.19000
1/1/2024	6/30/2024	6	No Bid	No Bid	0.14589	0.14892	No Bid	
1/1/2024	6/30/2024	6	No Bid	No Bid	0.14589	0.14892	No Bid	
7/1/2024	12/31/2024	6	No Bid	No Bid	0.13922	0.14490	No Bid	
1/1/2024	12/31/2024	12	No Bid	No Bid	0.14261	0.14686	No Bid	
1/1/2024	6/30/2025	18	No Bid	No Bid	0.14142	0.14728	No Bid	
1/1/2024	12/31/2025	24	No Bid	No Bid	0.13839	0.14616	No Bid	
1/1/2024	6/30/2026	30	No Bid	No Bid	0.13867	0.14606	No Bid	
1/1/2024	12/31/2026	36	No Bid	No Bid	0.13784	0.14373	No Bid	
RETAIL SUPPLY THROUGH PURCHASE OF NATIONAL WIND RECS - MA Requirement + 38% [62% + 38% VREC = 100% for 2024]								
1/1/2024	6/30/2024	6	No Bid	No Bid	0.14724	0.15044	0.14490	
1/1/2024	6/30/2024	6	No Bid	No Bid	0.14724	0.15044	No Bid	
7/1/2024	12/31/2024	6	No Bid	No Bid	0.14071	0.14642	No Bid	
1/1/2024	12/31/2024	12	No Bid	No Bid	0.14403	0.14838	0.14490	
1/1/2024	6/30/2025	18	No Bid	No Bid	0.14291	0.14880	No Bid	
1/1/2024	12/31/2025	24	No Bid	No Bid	0.13992	0.14768	No Bid	
1/1/2024	6/30/2026	30	No Bid	No Bid	0.14023	0.14758	No Bid	
1/1/2024	12/31/2026	36	No Bid	No Bid	0.13943	0.14525	No Bid	

PRICING NOTES:

The City seeks two separate pricing sets. The RFP bid sheet provides two worksheets, one for each pricing set. The City strongly encourages suppliers to provide pricing for both sets, but will accept pricing in only one.

1) **Price Set 1:**

Supplier bids should include all costs associated with the following:

- Clean Energy Standard (inclusive of Clean Energy Standard Expansion Costs), RPS, APS, and Clean Peak Energy Standard, each as in effect as of bid date.
- ISO-NE Fuel Security costs associated with the Mystic cost-of-service agreements, based on FERC approvals of such agreements in effect as of the date of this RFP. (if applicable for the terms requested)
- ISO-NE Inventoried Energy Program, as approved by FERC in ER19-1428-003, inclusive of the tariff filed by ISO-NE on 11/22/2022 and currently under FERC review.
- All ISO-NE Capacity Load Obligation Charges applicable throughout each supply term, as such charges are calculated and determined by ISO New England pursuant to ISO-NE Market Rule 1, as approved by FERC and in effect as of the date of this RFP.**

2) **Price Set 2:**

Supplier bids should include all costs associated with the following:

- Clean Energy Standard (inclusive of Clean Energy Standard Expansion Costs), RPS, APS, and Clean Peak Energy Standard, each as in effect as of bid date.
- All ISO-NE Capacity Load Obligation Charges applicable throughout each supply term, as such charges are calculated and determined by ISO New England pursuant to ISO-NE Market Rule 1, as approved by FERC and in effect as of the date of this RFP.**

Supplier bids should exclude all costs associated with the following:

- ISO-NE Fuel Security costs associated with the Mystic cost-of-service agreements, based on FERC approvals of such agreements in effect as of the date of this RFP.
- ISO-NE Inventoried Energy Program (“IEP”), as approved by FERC in ER19-1428-003, inclusive of the tariff filed by ISO-NE on 11/22/2022 and currently under FERC review.
- If the City awards a Set 2 price, all documented ISO-NE settlement costs incurred for Mystic COS and IEP (each as applicable) shall be treated on a cost pass-through basis. Once awarded, the City would then work with the winning supplier to agree upon and set estimated, levelized \$/kWh adders for Mystic and IEP costs. Such estimates would be added to the supplier’s winning bid and charged to participating consumers. Any difference in actual settlement costs incurred versus adder revenues collected would be charged/credited back to the program using periodic rate adjustments over the contract term (likely no more frequently than every 6 months).

** All offer prices shall be inclusive of all ISO-NE Capacity Load Obligation Charges applicable throughout each supply term, as such charges are calculated and determined by ISO New England pursuant to ISO-NE Market Rule 1, as approved by FERC and in effect as of the date of this RFP. Any claims for relief related to unanticipated capacity settlement costs during the term of an ESA shall be rejected, BUT FOR a claim for new incremental capacity charges or costs related to a FERC-approved change to ISO-NE’s Market Rule 1 issued after the Effective Date of the ESA.

Agg Marlborough
LDC NatGrid

Start 1/1/2024 6 month

Term	Month	Action	Mailing Month
1	1/1/2024		
2	2/1/2024		
3	3/1/2024	Refresh	January
4	4/1/2024		
5	5/1/2024		
6	6/1/2024		

January Mail / March Enrollment
April Mail / June Enrollment
July Mail / September Enrollment
October Mail / December Enrollment

Start 1/1/2024 12 month

Term	Month	Action	Mailing Month
1	1/1/2024		
2	2/1/2024		
3	3/1/2024	Refresh	January
4	4/1/2024		
5	5/1/2024		
6	6/1/2024	Refresh	April
7	7/1/2024		
8	8/1/2024		
9	9/1/2024	Refresh	July
10	10/1/2024		
11	11/1/2024		
12	12/1/2024		

Start 1/1/2024 18 month

Term	Month	Action	Mailing Month
1	1/1/2024		
2	2/1/2024		
3	3/1/2024	Refresh	January
4	4/1/2024		
5	5/1/2024		
6	6/1/2024	Refresh	April
7	7/1/2024		
8	8/1/2024		
9	9/1/2024	Refresh	July
10	10/1/2024		
11	11/1/2024		
12	12/1/2024	Refresh	October
13	1/1/2025		
14	2/1/2025		
15	3/1/2025	Refresh	January
16	4/1/2025		
17	5/1/2025		
18	6/1/2025		

Start 1/1/2024 24 month

Term	Month	Action	Mailing Month
1	1/1/2024		
2	2/1/2024		
3	3/1/2024	Refresh	January
4	4/1/2024		
5	5/1/2024		
6	6/1/2024	Refresh	April
7	7/1/2024		
8	8/1/2024		
9	9/1/2024	Refresh	July
10	10/1/2024		
11	11/1/2024		
12	12/1/2024	Refresh	October
13	1/1/2025		
14	2/1/2025		
15	3/1/2025	Refresh	January
16	4/1/2025		
17	5/1/2025		
18	6/1/2025	Refresh	April
19	7/1/2025		
20	8/1/2025		
21	9/1/2025	Refresh	July
22	10/1/2025		
23	11/1/2025		
24	12/1/2025		

1/1/2024

Term	# of Refreshes
6	1
12	3
18	5
24	7



Marlborough City Council
Laura J. Wagner
Michael H. Ossing
140 Main Street
Marlborough, Massachusetts 01752
(508) 460-3711 TDD (508) 460-3610

July 10, 2023

Honorable Members
Marlborough City Council
City Hall
Marlborough, MA 01752

Re: Municipal Aggregation – June 2023 Update

Dear Honorable Members:

In accordance with Order No.19-1007578B, this correspondence informs the City Council of the first quarter 2023 savings from the approved fixed price contract with Inspire that will provide stability and predictability and on a yearly average be lower than the National Grid Fixed Basic Service Rates during the same period. The contract with Inspire runs through the January 2024 meter reads.

Colonial Power has compiled the first quarter 2023 data and the City residents saved \$5,106,720 in their electricity bills compared to the National Grid Basic Service rate. Refer to the table in Attachment 1 and the graph in Attachment 2.

As a reminder, the City contract with Inspire is 100% National Wind Renewable Energy Credits (RECs). The savings are even greater when compared to the National Grid Green options.

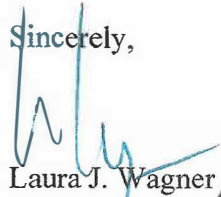
Looking ahead to the second quarter 2023, the City rate is lower than the National Grid Summer Basic Service rate of 0.14115 \$/kWh. This is significant as the City residents will continue to see savings over the National Grid Basic Service rate and the requirements in order 19-1007578B will be satisfied by “on a yearly average be lower than the National Grid Basic Service rates during the same time period.”

City Councilors as well as participants in the Municipal Aggregation program should be aware that it is unlikely the new contract in 2024 will have rates as low as the current 0.09390 \$/kWh. The Municipal Aggregation Committee is working with the Colonial Power Group to monitor market conditions and obtain new rates.

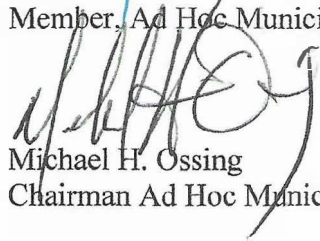
This information will be updated periodically and forwarded to the Councilors in accordance with Order 19-1007578B.

As Councilors, you can take pride in your decision to support Municipal Aggregation as we are saving our residents money on their electricity bills. Since November 2019, City residents have saved over \$14,980,000 on their electric bills with Inspire.

Sincerely,



Laura J. Wagner
Member, Ad Hoc Municipal Aggregation Committee



Michael H. Ossing
Chairman Ad Hoc Municipal Aggregation Committee

Attachment 1: Table showing Residential Savings with Inspire (2 pages)

Attachment 2: 1st quarter 2023 status report – Graph illustrating Marlboro aggregation savings

Attachment 1 (Page 1 of 2)

Table Showing Residential Savings with Inspire

Date	NGrid Basic Service Rate (\$/kW-hr)	City Rate (\$/kW-hr)	City Residential User Savings	City Residential Commercial Industrial Savings
Fourth Quarter 2019	Nov - .13957 Dec - .13957	Nov - .09690 Dec - .09690	\$550,815	\$693,006
First Quarter 2020	Jan - Mar .13957	Jan - Mar .09690	\$812,433	\$1,034,746
Second Quarter 2020	Apr - .13957 May - .09898 Jun - .09898	Apr - Jun .09690	\$250,320	\$196,841
Third Quarter 2020	Jul - Sept .09898	Jul - .09690 Aug - .09390 Sept - .09390	\$78,989	(-\$148,635)*
Fourth Quarter 2020	Oct - .09898 Nov - .12388 Dec - .12388	Oct - Dec .09390	\$482,513	\$564,251
First Quarter 2021	Jan - Mar .12388	Jan - Mar .09390	\$624,406	\$762,385
Second Quarter 2021	Apr - .12388 May - .09707 Jun - .09707	Apr - Jun .09390	\$187,609	\$129,809
Third Quarter 2021	Jul - Sept .09707	Jul - Sept .09390	\$64,802	(-\$60,875)*
Fourth Quarter 2021	Oct - .09707 Nov - .14821 Dec - .14821	Oct - Dec .09390	\$835,904	\$1,445,446
First Quarter 2022	Jan - Mar .14821	Jan - Mar .09390	\$1,101,166	\$1,818,032
Second Quarter 2022	Apr - .14821 May - .11491 Jun - .11491	Apr - Jun .09390	\$582,287	\$876,994
Third Quarter 2022	Jul - Sept .11491	Jul - Sept .09390	\$455,045	\$1,119,348
Fourth Quarter 2022	Oct - .11491 Nov - .33891 Dec - .33891	Oct - Dec .09390	\$3,871,616	\$6,299,805

Table Showing Residential Savings with Inspire

Date	NGrid Basic Service Rate (\$/kW-hr)	City Rate (\$/kW-hr)	City Residential User Savings	City Residential Commercial Industrial Savings
First Quarter 2023	Jan – Mar 0.33891	Jan – Mar .09390	\$5,106,720	\$8,304,304
Second Quarter 2023	Apr – 0.33891 May – 0.14115 Jun – 0.14115	Apr – Jun .09390	TBD	TBD
Third Quarter 2023	Jul – Sept 0.14115	Jul – Sept .09390		
Fourth Quarter 2023	Oct – 0.14115 Nov - TBD Dec - TBD	Oct – Dec .09390		
First Quarter 2024	Jan – Mar TBD	Jan - .09390		

- *National Grid sets different rate for commercial/industrial users that are not associated with the National Grid residential fixed Basic Service rate.
- Total residential savings from Inspire (November 2019 to March 2023) is over **\$14,980,000.**
- Total program savings (all rate classes) since inception in 2007 is over **\$26,855,000.**

**CITY OF MARLBOROUGH COMMUNITY CHOICE POWER SUPPLY PROGRAM
STATUS REPORT Q1 2023**

Prepared June 2023

This report has been prepared by Colonial Power Group with information/data being provided by the Competitive Supplier and National Grid. The purpose of the report is to provide information about the City of Marlborough's Community Choice Power Supply Program, which currently provides competitive power supply to approximately 13,800 customers in the City. The data provided by the Competitive Supplier is not available until three months after the month it is used. For example, power is Used in January, Invoiced in February, Paid in March and Reported in April.

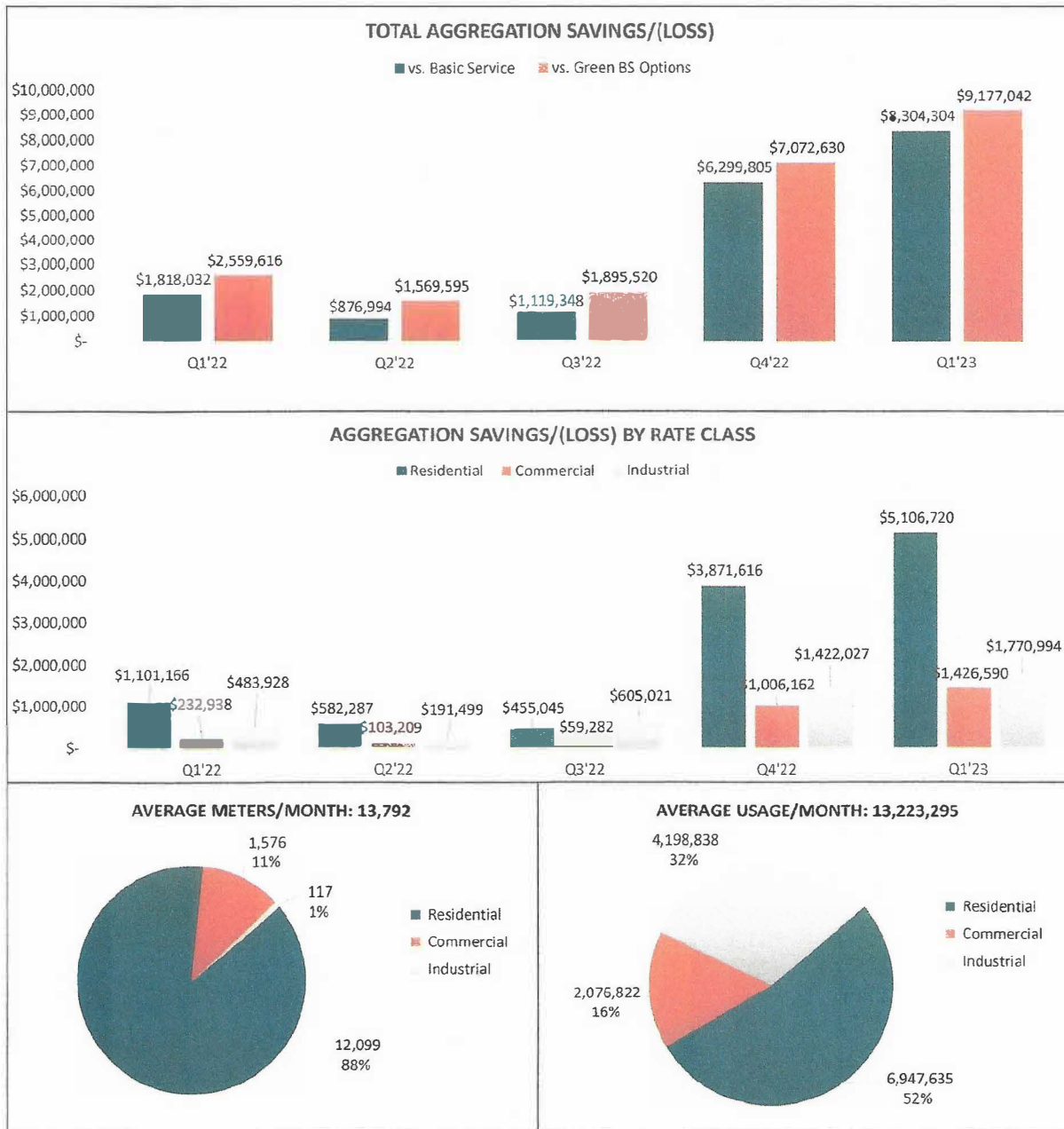
[Click here for more information about the Program](#)

PROGRAM RATES			
Term	November 2019 - August 2020	August 2020 - January 2024	
Competitive Supplier	Inspire	Inspire	
Standard (default)	\$0.09690 / kWh 100% National Wind RECs	\$0.09390 / kWh 100% National Wind RECs	
Optional	N/A	N/A	

COMPARISON TO NATIONAL GRID RATES

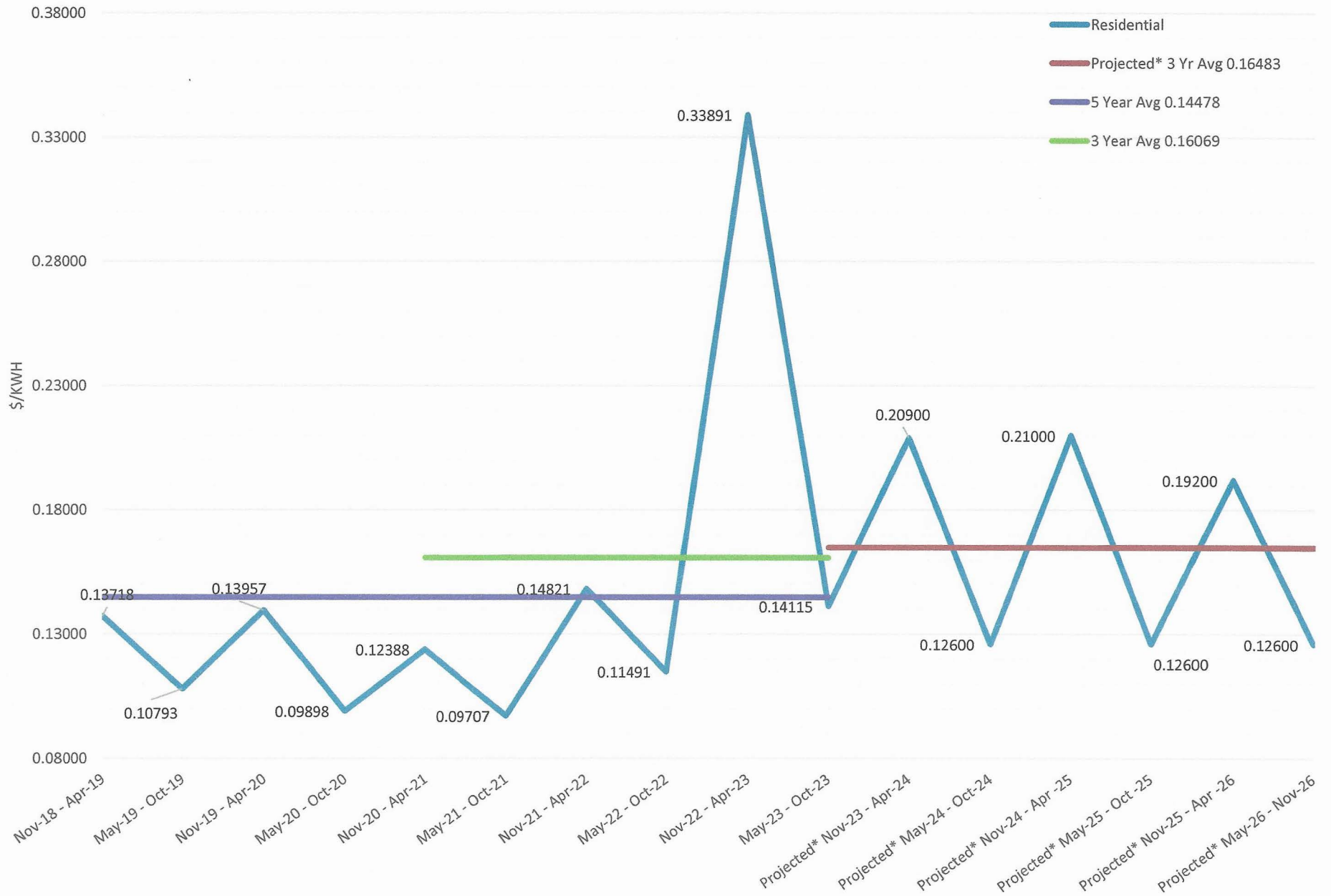
[Click here for NGRID GreenUp Info](#)

The City's aggregation savings are directly tied to the margin of savings between the Program's rates and National Grid's corresponding Basic Service rates as well as the level of consumption by participating consumers. Basic Service rates change twice a year or more, depending on utility and rate class. As a result, the aggregation rate may not always be lower than the Basic Service rate. The goal of the aggregation is to deliver savings over the life of the Program against the Basic Service rate. However, such savings and future savings cannot be guaranteed.



National Grid Residential Basic Service

as of 7/20/2023



*Per Colonial Power Group

CITY OF MARLBOROUGH
 ALL-REQUIREMENTS RETAIL POWER SUPPLY PRICING MATRIX
 COMBINED RATE COMPARISON

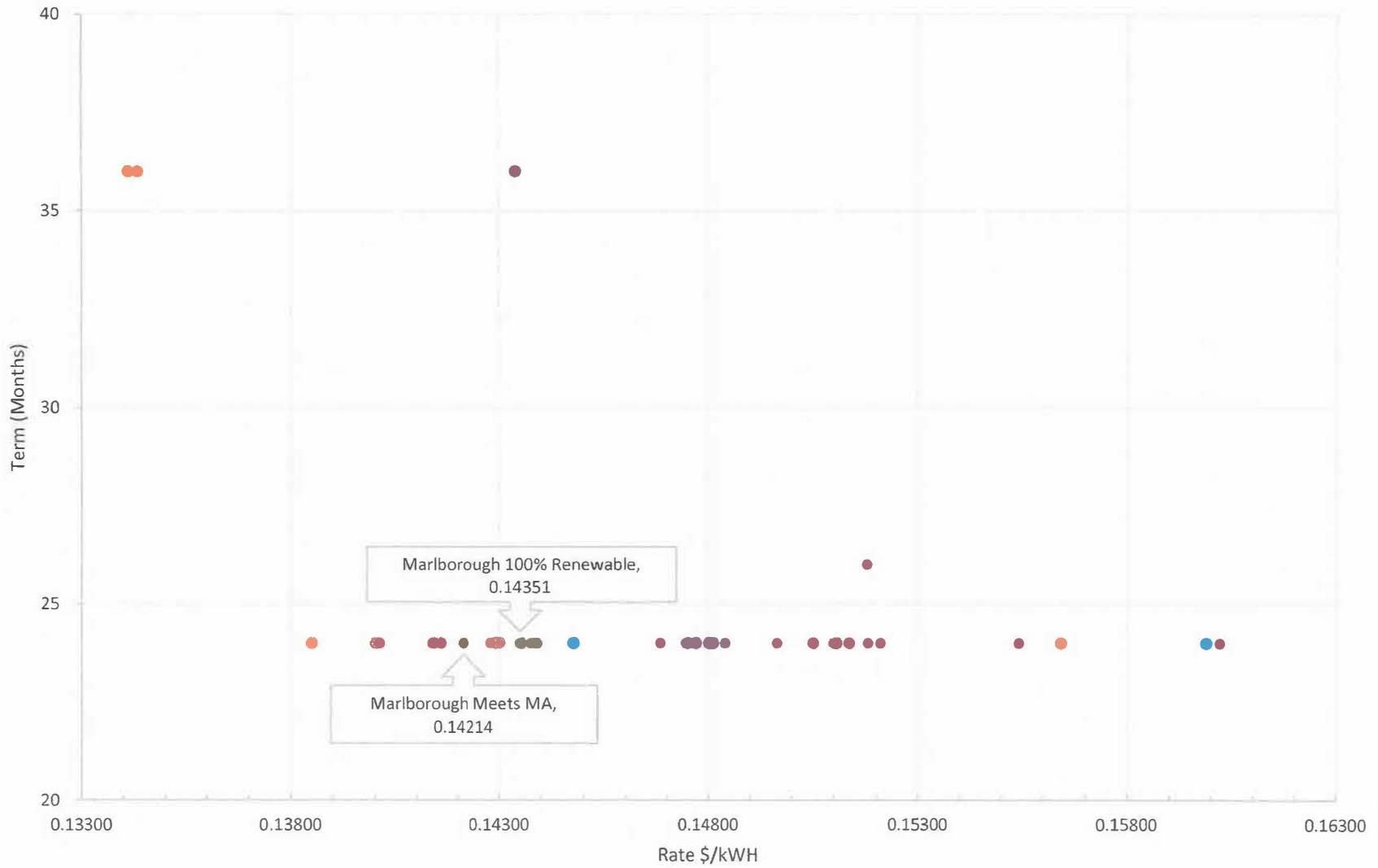
START TERM	END TERM	TERM LENGTH	FIXED PRICE				PROJECTED
			SUPPLIER #1	SUPPLIER #2	SUPPLIER #3	SUPPLIER #4	BASIC SERVICE
							11/1/23-4/30/24 NGRID/WCMA
STANDARD RETAIL ELECTRIC SUPPLY - Meets MA Requirement [62% for 2024; steps up each year]							0.20900
1/1/2024	6/30/2024	6	0.15350	0.14520	0.14128	No Bid	
1/1/2024	6/30/2024	6	0.15350	0.14520	No Bid	No Bid	
7/1/2024	12/31/2024	6	0.15318	0.14035	No Bid	No Bid	
1/1/2024	12/31/2024	12	0.15242	0.14283	0.14395	No Bid	
1/1/2024	6/30/2025	18	0.15300	0.14426	0.14511	No Bid	
1/1/2024	12/31/2025	24	0.15077	0.14214	0.14297	No Bid	
1/1/2024	6/30/2026	30	No Bid	0.14149	0.14109	No Bid	
1/1/2024	12/31/2026	36	No Bid	0.14047	0.13801	No Bid	
RETAIL SUPPLY THROUGH PURCHASE OF NATIONAL WIND RECS - MA Requirement + 38% [62% + 38% VREC = 100% for 2024]							
1/1/2024	6/30/2024	6	0.15471	0.14643	0.14280	No Bid	
1/1/2024	6/30/2024	6	0.15471	0.14643	No Bid	No Bid	
7/1/2024	12/31/2024	6	0.15444	0.14172	No Bid	No Bid	
1/1/2024	12/31/2024	12	0.15366	0.14413	0.14547	0.14690	
1/1/2024	6/30/2025	18	0.15429	0.14561	0.14663	No Bid	
1/1/2024	12/31/2025	24	0.15210	0.14351	0.14449	0.14590	
1/1/2024	6/30/2026	30	No Bid	0.14288	0.14261	No Bid	
1/1/2024	12/31/2026	36	No Bid	0.14186	0.13953	No Bid	

Retail Electric Power Supply through the purchase of RECs

U.S. dollars / kWh

<i>MA Requirement + 38% National Wind RECs</i>			
<i>START TERM</i>	<i>END TERM</i>	<i>TERM LENGTH</i>	<i>New Contract</i>
1/1/2024	12/31/2024	12	0.14690
1/1/2024	10/31/2025	22	0.14390
1/1/2024	12/31/2025	24	0.14590
<i>START TERM</i>	<i>END TERM</i>	<i>TERM LENGTH</i>	<i>Blend-and-Extend</i>
10/1/2023	12/31/2024	15	0.13890
10/1/2023	12/31/2025	27	0.14090
<i>START TERM</i>	<i>END TERM</i>	<i>TERM LENGTH</i>	<i>Blend-and-Extend</i>
11/1/2023	12/31/2024	14	0.14090
11/1/2023	10/31/2025	24	0.14090
11/1/2023	12/31/2025	26	0.14190

Aggregation Rate and Term Comparison (New Contracts Fall 2023)



● Eversource East ● Eversource West ● National Grid ● Marlborough 100% Renewable ● Marlborough Meets MA

2022-2023 Indicative Pricing

Standard Retail Electricity Supply – 62% Renewable (\$/kW-hr)

Start Term	End Term	Term Length	Oct 2022	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
1/1/24	6/30/24	6	0.17843	0.14814	0.15926	0.15330	0.14373	0.14453	0.14128	
1/1/24	6/30/24	6	0.17843	0.14814	0.15926	0.15437	0.15063	0.15271	0.14520	
1/1/24	12/31/24	6	0.14765	0.12860	0.14742	0.14303	0.14292	0.14588	0.14035	
1/1/24	12/31/24	12	0.16355	0.13910	0.15341	0.14877	0.14517	0.14662	0.14283	
1/1/24	6/30/25	18	0.15942	0.13880	0.15218	0.14739	0.14540	0.14732	0.14426	
1/1/24	12/31/25	24	0.15373	0.13420	0.14838	0.14360	0.14201	0.14418	0.14214	
1/1/24	6/30/26	30	0.15321	0.13460	0.14831	0.14488	0.13949	0.14209	0.14109	
1/1/24	12/31/26	36	0.15155	0.13200	0.14730	0.14144	0.13634	0.13897	0.13801	

100% Green – MA Renewable Energy Requirement + 38% National Wind RECs (\$/kW-hr)

Start Term	End Term	Term Length	Oct 2022	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
1/1/24	6/30/24	6	0.18037	0.14925	0.16042	0.15482	0.14525	0.14605	0.14280	
1/1/24	6/30/24	6	0.18037	0.14925	0.16042	0.15573	0.15192	0.15390	0.14643	
1/1/24	12/31/24	6	0.14926	0.13010	0.14880	0.14450	0.14431	0.14729	0.14172	
1/1/24	12/31/24	12	0.16549	0.14060	0.14890	0.14490	0.14590	0.14090	0.14413	
1/1/24	6/30/25	18	0.16135	0.14040	0.15353	0.14885	0.14692	0.14884	0.14561	
1/1/24	12/31/25	24	0.15567	0.13580	0.14490	0.14190	0.14353	0.14190	0.14351	
1/1/24	6/30/26	30	0.15516	0.13620	0.14973	0.14640	0.14101	0.14361	0.14261	
1/1/24	12/31/26	36	0.15349	0.13350	0.14873	0.14296	0.13786	0.14049	0.13953	

Table 1

**Projected Savings from the Inspire Contract for 2023/24
This is based on the NGrid projected winter rate of 0.20900
This is for illustration purposes only.**

Date	NGrid Basic Service Rate (\$/kW-hr)	City Rate (\$/kW-hr)	City Residential Electricity Usage NOTE 1 (kW)	City Residential User Savings NOTE 1	Actual Savings
First Quarter 2023	Jan - Mar 0.33891	Jan - Mar 0.09390	Jan - 7,385,820 Feb - 7,242,825 Mar - 5,644,740	\$4,967,182	\$5,106,720
Second Quarter 2023	Apr - 0.33891 May - 0.14115 Jun - 0.14115	Apr - Jun 0.09390	Apr - 5,342,538 May - 6,515,540 Jun - 7,284,853	\$1,961,044	TBD
Third Quarter 2023	Jul - Sept 0.14115	Jul - Sept 0.09390	Jul - 9,683,623 Aug - 7,136,101 Sept - 4,830,393	\$1,022,968	TBD
Fourth Quarter 2023	Oct - 0.14115 Nov - 0.20900 Dec - 0.20900	Oct - Dec 0.09390	Oct - 4,959,767 Nov - 7,150,486 Dec - 8,195,157	\$2,000,632	TBD
First Quarter 2024	Jan - 0.20900	Jan 0.09390	Jan - 7,186,870 (FY23 usage)	\$827,209	TBD
Total Savings				\$10,779,035	

NOTE 1: Electricity Usage based on 2022 residential usage values. Actual savings will vary.

August 2023 Insights:

- The first quarters in 2023 saved \$5,100,720. This was \$139,538 more than projected in October 2022.
- The fourth quarter in 2023 and January 2024 is projected to save \$2,827,841 (NOTE: the 0.2090 rate is an estimate for Ngrid)
- The Inspire contract has saved residents \$14,980,000 through the first quarter 2023. By the end of the contract in January 2024, the Inspire contract will have saved residents over \$20,000,000.
- The Inspire contract continues to save residents money over NGrid basic service rates.
- Continue to meet Council Order for savings over NGrid

Table 2: Projecting New Rates

Rate (\$/kW-hr)	600 kW Average Homeowner Usage Monthly Cost (\$)	Increase from Current Inspire Rate 0.09390	12 Month Cost (\$)	Rate Increase Percentage
0.09390 (Current rate)	56.34	NA	676.08	NA
0.12000	72.00	15.66	864.00	27.8%
0.13000	78.00	21.66	936.00	38.4%
0.13250	79.50	23.16	954.00	41.1%
0.13500	81.00	24.66	972.00	43.8%
0.13800	82.80	26.46	993.60	47.0%
0.14000	84.00	27.66	1,008.00	49.1%
0.14250	85.14	28.80	1,021.68	51.1%
0.14351 (Current 24 month green price)	86.11	29.77	1,033.32	52.8%
0.14500	87.00	30.66	1,044.00	54.4%

Sample Electric Bill Impact:

Current Bill - \$246.89 – Usage 1005 kW

- Delivery charge - \$152.52
- Supply Service - \$94.37 (rate of 0.0939)

If new rate is 0.14351 – Usage of 1005 kW

- Delivery charge - \$152.52
- Supply service - \$144.23 (52.8% increase)
- New bill – \$296.75 (20.2% increase)

Table 3: Projecting Compliance with Council Order

Term Usage (KW) Note 1	8/7/23 Rate (\$/kW-hr) Note 2	NGrid Rate (\$/kW-hr) Note 3	8/7/23 Cost (\$)	NGrid Cost (\$)	Savings Or (Loss) (\$)
Feb 24 – Apr 24 34,000,000	0.14351	0.20900	4,879,340	7,106,000	2,226,660
May 24 – Oct 24 67,000,000	0.14351	0.12600	9,615,170	8,442,000	(-1,173,170)
Nov 24 – Apr 25 72,000,000	0.14351	0.21000	10,332,720	15,120,000	4,872,280
May 25 – Oct 25 67,000,000	0.14351	0.12600	9,615,170	8,442,000	(-1,173,170)
Nov 25 – Jan 26 38,000,000	0.14351	0.19200	5,453,380	7,296,000	1,842,620
Total Project Savings					6,595,220

Note 1: Usage is based on the Colonial Power 2023 Quarter 1 data (email 6/28/23)

Note 2: Projected rate based on the Renewable (Green) option on 8/7/23 indicative pricing for a 24 month contract (thus will need to be re-bid but shown for information only).

Note 3: Based on Colonial Power July 20, 2023 NGrid Residential forecast.