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August 10, 2018

**Via Electronic Mail and Hand Delivery**

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 4692 – Standard Offer Service Procurement Plan**
**Responses to Division Data Requests – Set 3**

Dear Ms. Massaro:

On behalf of National Grid[1] enclosed are the Company's responses to the third set of data requests issued by the Rhode Island Division of Public Utilities and Carriers (Division) in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions concerning this matter, please contact me at 401-457-5164.

Very truly yours,

Adam M. Ramos

AMR
Enclosures

cc: Docket 4692 Service List
Leo Wold, Esq.
Christy Hetherington, Esq.
John Bell

[1] National Grid or the Company.

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Division 3-1

Request:

If the October 2018-March 2019 SOS rate were set at 10.99¢, please provide the following:

a. Deferred SOS costs from the October 2018-March 2019 period to the April-September 2019 period for the C-6 Commercial Class.

b. The estimated SOS rate for April-September 2019 for the C-6 Commercial Class.

c. Associated bill impacts of the 10.99 cent rate in October 2018 and the estimated SOS rate for April 2019 for the C-6 Commercial class.

Response:

a. For the purpose of simplifying the calculation of an estimated deferral of costs into the recovery period April 2019 through September 2019, the estimate limits the kilowatt-hours and percent of kilowatt-hours on SOS to those of Rate C-06, as the Fixed rate is the customary option for SOS customers in this rate class and almost all Rate C-06 customers are billed on the Fixed rate. The majority of Rate G-02 and street lighting SOS customers are on the Variable rate and would not contribute significantly to a deferral. This response assumes that the Variable rates are not changed from those proposed by the Company. As presented on Page 1, Line (16) of Attachment DIV 3-1(a), the Company estimates deferred SOS costs of $1.9 million from the October 2018 through March 2019 period that would be carried into the April through September 2019 period.

b. As presented on Page 2, Line (15) of Attachment DIV 3-1(a), the estimated commercial SOS rate for April through September 2018 is 8.691cents.

c. Please see pages 1 and 2 of Attachment DIV 3-1(b) for the bill impacts for Rate C-06 based on a fixed Commercial SOS rate of 10.77 cents beginning in October 2018 and based on an April 2018 fixed Commercial SOS rate of 8.691 cents, respectively.

Division 3-1, page 2

Below is a table summarizing the illustrative SOS rates and their associated bill impacts for a Rate aC-06 Commercial SOS customer using 1,000 kWh per month:

| | Illustrative Oct. 2018 – Mar. 2019 | Illustrative Apr. 2019 – Sep. 2019 |
|---|---|---|
| SOS rate | 10.990¢/kWh | 8.691¢/kWh |
| Bill increase/decrease | $29.16/15.8% | ($23.95)/(11.2%) |

Calculation of October 2018 - March 2019 Commercial Standard Offer Service Deferral at Illustrative SOS Rate of 10.990¢/kWh

| | | Total Forecasted Commercial kWh | Commercial Load on SOS in June 2018 | Forecasted Commercial SOS kWh | Cost in ¢ per kWh | Estimated Commercial SOS Cost | Commercial Base SOS Rate |
|---|---|---|---|---|---|---|---|
| | | (a) | (b) | (c) | (d) | (e) | (f) |
| (1) | Oct-18 | 160,663,023 | 52.56% | 84,444,485 | 9.506 | $8,027,293 | |
| (2) | Nov-18 | 149,846,373 | 52.56% | 78,759,253 | 9.908 | $7,803,467 | |
| (3) | Dec-18 | 160,804,532 | 52.56% | 84,518,862 | 11.691 | $9,881,100 | |
| (4) | Jan-19 | 167,755,511 | 52.56% | 88,172,296 | 13.886 | $12,243,605 | |
| (5) | Feb-19 | 157,879,217 | 52.56% | 82,981,317 | 14.370 | $11,924,415 | |
| (6) | Mar-19 | 152,643,340 | 52.56% | 80,229,339 | 10.951 | $8,785,915 | |
| (7) | | | | 499,105,552 | | $58,665,795 | $0.11754 |

| | | |
|---|---|---|
| (8) | Proposed Oct 18 - Mar 19 Base SOS Rate | $0.11754 |
| (9) | SOS Admin Cost Factor | ($0.00041) |
| (10) | SOS Adjmt Factor | $0.00159 |
| (11) | RES Charge | $0.00004 |
| (12) | Total Proposed Commercial SOS Rate | $0.11876 |
| (13) | Target Commericial SOS Rate | $0.10990 |
| (14) | Deferred SOS Cost per kWh | $0.00886 |
| (15) | Forecasted C-06 SOS kWh | 219,451,105 |
| (16) | Deferred Commercial SOS Cost | $1,944,337 |
| (17) | Illustrative Oct 18 - Mar 19 Base SOS Rate including deferral | $0.10868 |

Column (a) per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per proposed Standard Offer Service Rate Filing, Attachment 1, Page 4, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Commercial SOS rates per Proposed Rate Filing, Attachment 1, Page 1, Commercial Group
Column (e): Column (c) x Column (d)
Column (f): Line (7), Column (e) ÷ Column (c), truncated to 5 decimal places

Line (7): Columns (c) and (e), Sum of Lines (1) through (6); Column (f), Column (e) ÷ Column (c), truncated to 5 decimal places
Line (8); Line (7), Column (f)
Lines (9) through (11): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2096 effective 7/1/2018
Line (12): Sum of Lines (8) through (11)
Line (13): Illustrative rate as per request in DIV 3-1
Line (14): Line (12) - Line (13)
Line (15): per Company forecast for rate C-06 x percentage of C-06 Standard Offer Service kWhs to Total C-06 kWhs for June 2018
Line (16): Line (14) x Line (15)
Line (17): Line (8) - Line (14)

Calculation of Illustrative April 2019 - September 2019 Commercial Standard Offer Service Rate Including Deferral

| | | Total Forecasted Commercial kWh | Commercial Load on SOS in June 2018 | Forecasted Commercial SOS kWh | Cost in ¢ per kWh | Estimated Commercial SOS Cost | Commercial Base SOS Rate |
|---|---|---|---|---|---|---|---|
| | | (a) | (b) | (c) | (d) | (e) | (f) |
| (1) | Apr-19 | 149,259,642 | 52.56% | 78,450,868 | 9.969 | $7,820,767 | |
| (2) | May-19 | 149,290,499 | 52.56% | 78,467,087 | 9.435 | $7,403,370 | |
| (3) | Jun-19 | 153,630,931 | 52.56% | 80,748,417 | 6.702 | $5,411,759 | |
| (4) | Jul-19 | 175,064,178 | 52.56% | 92,013,732 | 6.990 | $6,431,760 | |
| (5) | Aug-19 | 185,772,014 | 52.56% | 97,641,771 | 6.911 | $6,748,023 | |
| (6) | Sep-19 | 172,041,904 | 52.56% | 90,425,225 | 6.830 | $6,176,043 | |
| (7) | | | | 517,747,100 | | $39,991,722 | $0.07724 |

| | | |
|---|---|---|
| (8) | Deferred Commercial SOS Cost | $1,944,337 |
| (9) | Forecasted C-06 SOS kWh | 229,997,773 |
| (10) | Deferred SOS Cost per kWh | $0.00845 |
| (11) | Illustrative Apr. 19 - Sept. 19 Base SOS Rate including deferral recovery | $0.08569 |
| (12) | SOS Admin Cost Factor | ($0.00041) |
| (13) | SOS Adjmt Factor | $0.00159 |
| (14) | RES Charge | $0.00004 |
| (15) | Total Illustrative April 2019 - September 2019 Commercial SOS Rate | $0.08691 |

Column (a) per Company Forecast
Column (b): Percentage of Commercial Standard Offer Service kWhs to Total Commercial kWhs, per Attachment DIV 1-1(a), Page 2, Line (3)
Column (c): Column (a) x Column (b)
Column (d): Illustrative Commercial SOS rates as the sum of the average cost of supply as provided in RIPUC No 4692 Attachment 5 (Confidential) Page 25 of 25.
Column (e): Column (c) x Column (d)
Column (f): Line (7), Column (e) ÷ Column (c), truncated to 5 decimal places

Line (7): Columns (c) and (e), Sum of Lines (1) through (6); Column (f), Column (e) ÷ Column (c), truncated to 5 decimal places
Line (8); Page 1, Line (16), Column (f)
Line (9): per Company forecast for rate C-06 x percentage of C-06 Standard Offer Service kWhs to Total C-06 kWhs for June 2018
Line (10): Line (8) ÷ Line (9), truncated to 5 decimal places
Line (11): Line (7), Column (f) + Line (10), Column (f)
Lines (12) through (14): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2096 effective 7/1/2018
Line (15): Sum of Lines (11) through (14)

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

| Monthly kWh (a) | Present Rates Delivery Services (b) | Present Rates Supply Services (c) | Present Rates GET (d) | Present Rates Total (e) | Illustrative Rates Effective October 1, 2018 Delivery Services (b) | Illustrative Rates Effective October 1, 2018 Supply Services (c) | Illustrative Rates Effective October 1, 2018 GET (d) | Illustrative Rates Effective October 1, 2018 Total (e) | $ Increase (Decrease) Delivery Services (f) | $ Increase (Decrease) Supply Services (g) | $ Increase (Decrease) GET (h) | $ Increase (Decrease) Total (i) | Increase (Decrease) % of Total Bill Delivery Services (j) | Increase (Decrease) % of Total Bill Supply Services (k) | Increase (Decrease) % of Total Bill GET (l) | Increase (Decrease) % of Total Bill Total (m) | Percentage of Customers (n) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | $32.95 | $20.48 | $2.23 | $55.66 | $32.95 | $27.48 | $2.52 | $62.95 | $0.00 | $7.00 | $0.29 | $7.29 | 0.0% | 12.6% | 0.5% | 13.1% | 56.3% |
| 500 | $53.83 | $40.95 | $3.95 | $98.73 | $53.83 | $54.95 | $4.53 | $113.31 | $0.00 | $14.00 | $0.58 | $14.58 | 0.0% | 14.2% | 0.6% | 14.8% | 16.9% |
| 1,000 | $95.58 | $81.90 | $7.40 | $184.88 | $95.58 | $109.90 | $8.56 | $214.04 | $0.00 | $28.00 | $1.16 | $29.16 | 0.0% | 15.1% | 0.6% | 15.8% | 8.1% |
| 1,500 | $137.34 | $122.85 | $10.84 | $271.03 | $137.34 | $164.85 | $12.59 | $314.78 | $0.00 | $42.00 | $1.75 | $43.75 | 0.0% | 15.5% | 0.6% | 16.1% | 5.0% |
| 2,000 | $179.09 | $163.80 | $14.29 | $357.18 | $179.09 | $219.80 | $16.62 | $415.51 | $0.00 | $56.00 | $2.33 | $58.33 | 0.0% | 15.7% | 0.7% | 16.3% | 13.6% |

| | | Present Rates (o) | Illustrative Rates Effective October 1, 2018 (p) | Line Item on Bill |
|---|---|---|---|---|
| (1) | Distribution Customer Charge | $10.00 | $10.00 | Customer Charge |
| (2) | LIHEAP Enhancement Charge | $0.81 | $0.81 | LIHEAP Enhancement Charge |
| (3) | Renewable Energy Growth Program Charge | $1.26 | $1.26 | RE Growth Program |
| (4) | Distribution Charge (per kWh) | $0.03253 | $0.03253 | Distribution Energy Charge |
| (5) | Operating & Maintenance Expense Charge | $0.00176 | $0.00176 | |
| (6) | Operating & Maintenance Expense Reconciliation Factor | ($0.00001) | ($0.00001) | |
| (7) | FY18 CapEx Factor Charge | $0.00322 | $0.00322 | |
| (8) | CapEx Reconciliation Factor | ($0.00119) | ($0.00119) | |
| (9) | Revenue Decoupling Adjustment Factor | $0.00184 | $0.00184 | |
| (10) | Pension Adjustment Factor | ($0.00085) | ($0.00085) | |
| (11) | Storm Fund Replenishment Factor | $0.00288 | $0.00288 | |
| (12) | Arrearage Management Adjustment Factor | $0.00002 | $0.00002 | |
| (13) | Long-term Contracting for Renewable Energy Charge | $0.00647 | $0.00647 | Renewable Energy Distribution Charge |
| (14) | Net Metering Charge | $0.00043 | $0.00043 | |
| (15) | Base Transmission Charge | $0.03167 | $0.03167 | Transmission Charge |
| (16) | Transmission Adjustment Factor | ($0.00474) | ($0.00474) | |
| (17) | Transmission Uncollectible Factor | $0.00033 | $0.00033 | |
| (18) | Base Transition Charge | ($0.00083) | ($0.00083) | Transition Charge |
| (19) | Transition Adjustment | ($0.00004) | ($0.00004) | |
| (20) | Energy Efficiency Program Charge | $0.01002 | $0.01002 | Energy Efficiency Programs |
| (21) | Standard Offer Service Base Charge | $0.08068 | $0.10868 | Supply Services Energy Charge |
| (22) | SOS Adjustment Factor | ($0.00041) | ($0.00041) | |
| (23) | SOS Adminstrative Cost Adjustment Factor | $0.00159 | $0.00159 | |
| (24) | Renewable Energy Standard Charge | $0.00004 | $0.00004 | |
| | Line Item on Bill | | | |
| (25) | Customer Charge | $10.00 | $10.00 | |
| (26) | LIHEAP Enhancement Charge | $0.81 | $0.81 | |
| (27) | RE Growth Program | $1.26 | $1.26 | |
| (28) | Transmission Charge | $0.02726 | $0.02726 | |
| (29) | Distribution Energy Charge | $0.04020 | $0.04020 | |
| (30) | Transition Charge | ($0.00087) | ($0.00087) | |
| (31) | Energy Efficiency Programs | $0.01002 | $0.01002 | |
| (32) | Renewable Energy Distribution Charge | $0.00690 | $0.00690 | |
| (33) | Supply Services Energy Charge | $0.08190 | $0.10990 | |

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment DIV 3-1(a), Page 1, Line (17)

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

| Monthly kWh (a) | Illustrative Rates as per DIV 3-1(a), Page 1 | | | | Illustrative Rates Effective April 1, 2019 | | | | $ Increase (Decrease) | | | | Increase (Decrease) % of Total Bill | | | | Percentage of Customers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Delivery Services (b) | Supply Services (c) | GET (d) | Total (e) | Delivery Services (b) | Supply Services (c) | GET (d) | Total (e) | Delivery Services (f) | Supply Services (g) | GET (h) | Total (i) | Delivery Services (j) | Supply Services (k) | GET (l) | Total (m) | (n) |
| 250 | $32.95 | $27.48 | $2.52 | $62.95 | $32.95 | $21.73 | $2.28 | $56.96 | $0.00 | ($5.75) | ($0.24) | ($5.99) | 0.0% | -9.1% | -0.4% | -9.5% | 56.3% |
| 500 | $53.83 | $54.95 | $4.53 | $113.31 | $53.83 | $43.46 | $4.05 | $101.34 | $0.00 | ($11.49) | ($0.48) | ($11.97) | 0.0% | -10.1% | -0.4% | -10.6% | 16.9% |
| 1,000 | $95.58 | $109.90 | $8.56 | $214.04 | $95.58 | $86.91 | $7.60 | $190.09 | $0.00 | ($22.99) | ($0.96) | ($23.95) | 0.0% | -10.7% | -0.4% | -11.2% | 8.1% |
| 1,500 | $137.34 | $164.85 | $12.59 | $314.78 | $137.34 | $130.37 | $11.15 | $278.86 | $0.00 | ($34.48) | ($1.44) | ($35.92) | 0.0% | -11.0% | -0.5% | -11.4% | 5.0% |
| 2,000 | $179.09 | $219.80 | $16.62 | $415.51 | $179.09 | $173.82 | $14.70 | $367.61 | $0.00 | ($45.98) | ($1.92) | ($47.90) | 0.0% | -11.1% | -0.5% | -11.5% | 13.6% |

| | | Illustrative Rates as per DIV 2-1(a), Page 1 (o) | Illustrative Rates Effective April 1, 2019 (p) | Line Item on Bill |
|---|---|---|---|---|
| (1) | Distribution Customer Charge | $10.00 | $10.00 | Customer Charge |
| (2) | LIHEAP Enhancement Charge | $0.81 | $0.81 | LIHEAP Enhancement Charge |
| (3) | Renewable Energy Growth Program Charge | $1.26 | $1.26 | RE Growth Program |
| (4) | Distribution Charge (per kWh) | $0.03253 | $0.03253 | Distribution Energy Charge |
| (5) | Operating & Maintenance Expense Charge | $0.00176 | $0.00176 | |
| (6) | Operating & Maintenance Expense Reconciliation Factor | ($0.00001) | ($0.00001) | |
| (7) | FY18 CapEx Factor Charge | $0.00322 | $0.00322 | |
| (8) | CapEx Reconciliation Factor | ($0.00119) | ($0.00119) | |
| (9) | Revenue Decoupling Adjustment Factor | $0.00184 | $0.00184 | |
| (10) | Pension Adjustment Factor | ($0.00085) | ($0.00085) | |
| (11) | Storm Fund Replenishment Factor | $0.00288 | $0.00288 | |
| (12) | Arrearage Management Adjustment Factor | $0.00002 | $0.00002 | |
| (13) | Long-term Contracting for Renewable Energy Charge | $0.00647 | $0.00647 | Renewable Energy Distribution Charge |
| (14) | Net Metering Charge | $0.00043 | $0.00043 | |
| (15) | Base Transmission Charge | $0.03167 | $0.03167 | Transmission Charge |
| (16) | Transmission Adjustment Factor | ($0.00474) | ($0.00474) | |
| (17) | Transmission Uncollectible Factor | $0.00033 | $0.00033 | |
| (18) | Base Transition Charge | ($0.00083) | ($0.00083) | Transition Charge |
| (19) | Transition Adjustment | ($0.00004) | ($0.00004) | |
| (20) | Energy Efficiency Program Charge | $0.01002 | $0.01002 | Energy Efficiency Programs |
| (21) | Standard Offer Service Base Charge | $0.10868 | $0.08569 | Supply Services Energy Charge |
| (22) | SOS Adjustment Factor | ($0.00041) | ($0.00041) | |
| (23) | SOS Adminstrative Cost Adjustment Factor | $0.00159 | $0.00159 | |
| (24) | Renewable Energy Standard Charge | $0.00004 | $0.00004 | |

| | Line Item on Bill | | |
|---|---|---|---|
| (25) | Customer Charge | $10.00 | $10.00 |
| (26) | LIHEAP Enhancement Charge | $0.81 | $0.81 |
| (27) | RE Growth Program | $1.26 | $1.26 |
| (28) | Transmission Charge | $0.02726 | $0.02726 |
| (29) | Distribution Energy Charge | $0.04020 | $0.04020 |
| (30) | Transition Charge | ($0.00087) | ($0.00087) |
| (31) | Energy Efficiency Programs | $0.01002 | $0.01002 |
| (32) | Renewable Energy Distribution Charge | $0.00690 | $0.00690 |
| (33) | Supply Services Energy Charge | $0.10990 | $0.08691 |

Column (o): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018; Line (2
per Attachment DIV 3-1(a), Page 1, Line (17)
Column (p): Lines (1) through (20), (22) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 7/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 7/1/2018
Line (21): Illustrative Commercial Standard Offer Service Base Rate per Attachment DIV 3-1(a), Page 2, Line (11)