

September 28, 2020

**BY HAND DELIVERY AND ELECTRONIC MAIL**

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

**RE: Docket 5066 – 2020 Revised Gas Cost Recovery Filing**

Dear Ms. Massaro:

I have enclosed 10 copies of National Grid’s<sup>1</sup> Revised Gas Cost Recovery (“GCR”) filing, which the Company is submitting pursuant to the Gas Cost Recovery Clause in National Grid’s gas tariff, RIPUC NG-GAS No. 101, Section 2, Schedule A. After discussions with the Rhode Island Division of Public Utilities and Carriers (“Division”) and based on the Division’s recommendations in the memorandum of Jerry Mierzwa and Lafayette Morgan, Jr. of Exeter Associates dated September 23, 2020 in this docket, the Company is filing these revisions to propose an adjustment to the proposed GCR factors the Company initially filed with the PUC on September 1, 2020. Specifically, the adjustment reflected in the enclosed revised GCR filing reflects the revised customer class-specific factors necessary for National Grid to collect sufficient revenues to recover projected gas costs for the period November 1, 2020 through October 31, 2021.

As described below, this filing consists of certain revised attachments the testimony of Elizabeth D. Arangio, MaryBeth M. Carroll, Samara A. Jaffe, Ryan M. Scheib, and Michael J. Pini. Ms. Arangio, Ms. Carroll, and Ms. Jaffe provide revised attachments based on the reallocation of additional fixed costs from the GCR to the Company’s Distribution Adjustment Charge (“DAC”) related to the Company’s hourly peaking requirements.

**Description of Revisions: Attachment GSP-1 Revised, Page 12**

Due to a recommendation from the Division in the 2019/20 GCR (Docket No. 4963), in its 2020/21 GCR and DAC filings, the Company proposed to allocate the fixed costs of assets used to specifically meet the hourly requirements of the distribution system to all customers. The Company’s initial GCR filings dated September 1, 2020 included the costs of several supply and transportation contracts in the DAC System Pressure factor and excluded these costs from the GCR. In subsequent discussions with the Division, the Company has agreed to include the fixed costs of an additional proposed supply contract and transportation contract in the DAC System Pressure factor that will support the peak hour needs of the Company’s distribution system. These costs will be excluded from the GCR and are summarized in Attachment GSP-1 Revised, Page 12.

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (National Grid or Company).  
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**Description of Revisions: Attachment RMS/MJP-1 Revised, Attachment RMS/MJP-3 Revised, Attachment RMS/MJP-4 Revised, and Attachment RMS/MJP-5 Revised**

In Attachment RMS/MJP-1 Revised and RMS/MJP-5 Revised, Mr. Scheib and Mr. Pini present the development of the revised GCR factors and FT-2 Demand Rate, respectively, resulting from the reallocation of additional peaking hourly fixed costs and provides a bill impact analysis relative to those proposed revised factors in Attachment RMS/MJP-4 Revised. In addition, Mr. Scheib and Mr. Pini provide an update to the projected monthly deferred gas cost balances for the period November 2020 through October 2021 in Attachment RMS/MJP-3 Revised.

As shown in Attachment RMS/MJP-4 Revised, based on the Revised GCR factors proposed for effect November 1, 2020 through October 31, 2021, an average residential heating customer using 845 therms per year will experience a total bill increase of approximately \$98.89, or a 7.7 percent increase from the existing rates. This increase is comprised of an increase of \$38.46 in the Revised GCR-related factors; an increase of \$57.46 in the Revised Distribution Adjustment Charge-related factors, filed on September 28, 2020 in Docket No. 5040; and an increase of \$2.97 in Gross Earnings Tax.

This filing also contains a Request for Protective Treatment of Confidential Information in accordance with Rule 810-RICR-00-00-1.3(H) of the Public Utilities Commission's ("PUC") Rules of Practice and Procedure and R.I. Gen. Laws § 38-2-2(4)(B). National Grid seeks protection from public disclosure of certain confidential gas-cost pricing information, commercial contract terms and forecasts, which are provided in Attachment GSP-1 Revised, Attachment RMS/MJP-1 Revised, and Attachment RMS/MJP-5 Revised.

Accordingly, National Grid has provided the PUC with one complete unredacted copy of the confidential materials in a sealed envelope marked "**Contains Privileged and Confidential Materials – Do Not Release,**" and has included redacted copies of the materials for the public filing.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 5066 Service List  
Leo Wold, Esq.  
John Bell, Division  
Al Mancini, Division (w/confidential attachments, Egress Switch)  
Jerome D. Mierzwa, Division Consultant (w/confidential attachments, Egress Switch)

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS**  
**RHODE ISLAND PUBLIC UTILITIES COMMISSION**

	)	
	)	
Revised Annual Gas Cost Recovery Filing	)	Docket No. 5066
2020	)	
	)	
	)	

**MOTION OF THE NARRAGANSETT ELECTRIC  
COMPANY D/B/A NATIONAL GRID FOR PROTECTIVE  
TREATMENT OF CONFIDENTIAL INFORMATION**

National Grid<sup>1</sup> respectfully requests that the Rhode Island Public Utilities Commission (“PUC”) grant protection from public disclosure certain confidential, competitively sensitive, and proprietary information submitted in this proceeding, as permitted by 810-RICR-00-00-1.3(H) (Rule 1.3(H)) of the PUC’s Rules of Practice and Procedure and R.I. Gen. Laws § 38-2-2(4)(B). The Company also respectfully requests that, pending entry of that finding, the PUC preliminarily grant the Company’s request for confidential treatment pursuant to Rule 1.3(H)(2).

**I. BACKGROUND**

On September 28, 2020, the Company filed a Revised Gas Cost Recovery (“GCR”) filing with the PUC to propose an adjustment to the proposed GCR factors the Company initially filed with the PUC on September 1, 2020. As part of this revised filing, the Company has included confidential gas-cost pricing information, commercial contract terms, and forecasts in Attachment GSP-1 Revised, Attachment RMS/MJP-1 Revised, and Attachment RMS/MJP-5

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

Revised. Therefore, the Company has included redacted public versions and confidential versions of these attachments subject to this motion for protective treatment.

## **II. LEGAL STANDARD**

Rule 1.3(H) provides that access to public records shall be granted in accordance with the Access to Public Records Act (APRA), R.I. Gen. Laws § 38-2-1, *et seq.* Under the APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a “public record,” unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I. Gen. Laws § 38-2-2(4). To the extent that information provided to the PUC falls within one of the designated exceptions to the public records law, the PUC has the authority under the terms of APRA to deem such information as confidential and to protect that information from public disclosure.

In that regard, R.I. Gen. Laws § 38-2-2(4)(B) provides that the following types of records shall not be deemed public:

Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that this confidential information exemption applies where the disclosure of information would be likely either (1) to impair the government’s ability to obtain necessary information in the future; or (2) to cause substantial harm to the competitive position of the person from whom the information was obtained. *Providence Journal*, 774 A.2d 40 (R.I. 2001).

The first prong of the test is satisfied when information is provided to the governmental agency and that information is of a kind that would customarily not be released to the public by the person from whom it was obtained. *Providence Journal*, 774 A.2d at 47.

### **III. BASIS FOR CONFIDENTIALITY**

The pricing, commercial contract terms, and forecasts included in Attachment GSP-1 Revised, Attachment RMS/MJP-1 Revised, and Attachment RMS/MJP-5 Revised is confidential and privileged information of the type that National Grid would not ordinarily make public. As such, National Grid seeks to protect this information from public disclosure, which could impair National Grid's ability to obtain advantageous pricing or other terms in the future, thereby causing substantial competitive harm. Accordingly, National Grid respectfully requests that the PUC provide confidential treatment to Attachment GSP-1 Revised, Attachment RMS/MJP-1 Revised, and Attachment RMS/MJP-5 Revised.

### **IV. CONCLUSION**

For the foregoing reasons, National Grid respectfully requests that the PUC grant its Motion for Protective Treatment of Confidential Information.

Respectfully submitted,

**THE NARRAGANSETT ELECTRIC  
COMPANY d/b/a NATIONAL GRID**

By its attorney,



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Dated: September 28, 2020









	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
TOTAL DC+CC	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 173,424
LESS:													
Liquefaction	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ -
LNG Truck	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 1,948
AGT Storage Refill	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 5,782
TGP Storage Refill	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 3,140
Total Liquefaction & Storage	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 10,870
TOTAL GAS COST	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 162,553
Commodity to Sendout	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 75,564
Days/month	30	31	31	28	31	31	31	30	31	31	30	31	365
Unit Commodity Cost (\$/MMBtu)	\$2,336	\$2,716	\$2,879	\$2,838	\$2,703	\$2,513	\$2,383	\$2,391	\$2,435	\$2,413	\$2,201	\$2,247	\$2,636
NWMEX (8/6/20)	\$2,654	\$2,985	\$3,096	\$3,053	\$2,936	\$2,661	\$2,625	\$2,654	\$2,690	\$2,697	\$2,684	\$2,704	

National Grid Rhode Island  
 Gas Commodity Costs  
 Normal Year

Commodity Cost (\$000)	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
AGT Citygate	\$ 17.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17.0
AIM at Ramapo	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 803.7
Dawn via IGTS	\$ -	\$ 15.2	\$ 50.5	\$ 34.7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 649.8
Dawn via PNGTS	\$ 48.8	\$ 586.8	\$ 1,406.2	\$ 1,185.1	\$ 564.4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,791.2
Dominion SP	\$ 29.4	\$ 43.2	\$ 45.1	\$ 40.4	\$ 42.9	\$ 37.2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 238.2
Dracut Supply	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90.0
Everett Long-Term	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,354.1
Everett Swing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Millennium	\$ 460.1	\$ 586.2	\$ 611.8	\$ 548.4	\$ 581.8	\$ 504.6	\$ 497.1	\$ 477.5	\$ 504.0	\$ -	\$ -	\$ 465.0	\$ 5,236.4
Niagara	\$ 6.9	\$ 88.9	\$ 92.7	\$ 83.7	\$ 70.3	\$ 0.9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 343.3
TCO Appalachia	\$ 874.6	\$ 2,561.7	\$ 2,835.5	\$ 2,509.0	\$ 2,691.5	\$ 61.1	\$ 116.9	\$ 114.2	\$ -	\$ 118.6	\$ 71.8	\$ 39.3	\$ 11,994.3
Tetco M3	\$ 294.4	\$ 65.9	\$ -	\$ 13.1	\$ 233.8	\$ 1,274.2	\$ 1,745.1	\$ 957.1	\$ -	\$ -	\$ 1,374.1	\$ 1,169.0	\$ 7,126.6
Tranco Leidy	\$ 43.2	\$ 58.3	\$ 91.8	\$ 78.3	\$ 46.0	\$ 4.7	\$ 4.6	\$ 4.5	\$ 4.8	\$ 4.7	\$ 4.2	\$ 4.4	\$ 349.6
Waddington	\$ 5.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 18.5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23.8
Tetco M2 CDS	\$ 2,323.1	\$ 3,011.2	\$ 3,171.5	\$ 2,840.1	\$ 2,755.6	\$ 2,286.3	\$ 974.8	\$ 578.4	\$ 1,257.2	\$ 2,219.0	\$ 889.9	\$ 2,081.6	\$ 24,388.7
Tetco M2 SCT	\$ 25.1	\$ 22.3	\$ 69.5	\$ 51.3	\$ 26.8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195.1
TGP 24 Cnx	\$ 616.5	\$ 804.3	\$ 859.3	\$ 768.5	\$ 700.5	\$ 700.5	\$ 692.7	\$ 664.6	\$ 563.8	\$ 695.9	\$ 622.4	\$ 652.0	\$ 8,298.3
TGP 24 LH	\$ 1,337.3	\$ 1,263.3	\$ 1,672.8	\$ 1,609.8	\$ 836.3	\$ 574.9	\$ 7.7	\$ 196.1	\$ -	\$ -	\$ 161.4	\$ 473.2	\$ 8,132.7
Proposed Summer Refill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ 6,081.6	\$ 9,383.1	\$ 11,653.0	\$ 10,094.2	\$ 9,175.7	\$ 5,656.0	\$ 4,344.1	\$ 3,203.3	\$ 2,337.1	\$ 3,045.4	\$ 3,271.2	\$ 4,937.2	\$ 73,181.9

Unit Cost (\$/Dth)	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Weighted Average
AGT Citygate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
AIM at Ramapo	\$ 2.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.54
Dawn via IGTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.05
Dawn via PNGTS	\$ 2.60	\$ 2.96	\$ 3.08	\$ 3.08	\$ 3.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.38
Dominion SP	\$ 2.06	\$ 2.54	\$ 2.66	\$ 2.64	\$ 2.53	\$ 2.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.06
Dracut Supply	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.46
Everett Long-Term	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.41
Everett Swing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.52
Millennium	\$ 2.06	\$ 2.55	\$ 2.66	\$ 2.64	\$ 2.53	\$ 2.26	\$ 2.16	\$ 2.14	\$ 2.19	\$ -	\$ -	\$ 2.02	\$ 2.32
Niagara	\$ 2.31	\$ 2.66	\$ 2.78	\$ 2.78	\$ 2.74	\$ 2.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.73
TCO Appalachia	\$ 2.29	\$ 2.68	\$ 2.80	\$ 2.77	\$ 2.63	\$ 2.39	\$ 2.32	\$ 2.29	\$ -	\$ 2.30	\$ 2.20	\$ 2.18	\$ 2.66
Tetco M3	\$ 2.54	\$ 3.78	\$ -	\$ 5.15	\$ 3.28	\$ 2.41	\$ 2.27	\$ 2.27	\$ -	\$ -	\$ 2.06	\$ 2.14	\$ 2.27
Tranco Leidy	\$ 2.01	\$ 2.49	\$ 2.59	\$ 2.59	\$ 2.46	\$ 2.14	\$ 2.05	\$ 2.05	\$ 2.13	\$ 2.09	\$ 1.90	\$ 1.95	\$ 2.41
Waddington	\$ 2.57	\$ 3.58	\$ -	\$ 4.99	\$ 3.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.94
Tetco M2 CDS	\$ 2.05	\$ 2.56	\$ 2.69	\$ 2.67	\$ 2.56	\$ 2.29	\$ 2.16	\$ 2.16	\$ 2.17	\$ 2.15	\$ 1.99	\$ 2.02	\$ 2.34
Tetco M2 SCT	\$ 2.05	\$ 2.55	\$ 2.69	\$ 2.67	\$ 2.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.55
TGP 24 Cnx	\$ 2.23	\$ 2.72	\$ 2.90	\$ 2.87	\$ 2.78	\$ 2.44	\$ 2.33	\$ 2.31	\$ 2.36	\$ 2.35	\$ 2.17	\$ 2.20	\$ 2.47
TGP 24 LH	\$ 2.23	\$ 2.72	\$ 2.90	\$ 2.87	\$ 2.78	\$ 2.44	\$ 2.33	\$ 2.31	\$ 2.36	\$ 2.35	\$ 2.17	\$ 2.20	\$ 2.61
Proposed Summer Refill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Weighted Average	\$ 2.17	\$ 2.67	\$ 2.85	\$ 2.81	\$ 2.70	\$ 2.37	\$ 2.27	\$ 2.28	\$ 2.22	\$ 2.20	\$ 2.10	\$ 2.09	\$ 2.48

National Grid Rhode Island  
Gas Commodity Costs  
Normal Year

Commodity to Injections (\$000)	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Grand Total
AGT Citygate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
AIM at Ramapo	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[REDACTED]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dawn via IGTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dawn via PNGTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dominion SP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dracut Supply	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Everett Long-Term	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Everett Swing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Millennium	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Niagara	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TCO Appalachia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116.9	\$ 114.2	\$ -	\$ 118.6	\$ 71.8	\$ 39.3	\$ 460.8
Tetco M3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Leidy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Waddington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[REDACTED]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tetco M2 CDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150.3	\$ 974.8	\$ 578.4	\$ 595.1	\$ 1,026.6	\$ 889.9	\$ 904.9	\$ 48.6
Tetco M2 SCT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TGP Z4 Cnx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 107.2	\$ 374.5	\$ 426.6	\$ 381.2	\$ 504.7	\$ 390.6	\$ 326.0	\$ 2,510.9
TGP Z4 LH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196.1	\$ -	\$ -	\$ 157.4	\$ 237.3	\$ 590.8
Proposed Summer Refill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	\$ -	\$ -	\$ -	\$ -	\$ 649.8	\$ 469.2	\$ 1,681.6	\$ 1,526.2	\$ 983.6	\$ 1,657.0	\$ 1,657.2	\$ 1,560.1	\$ 10,184.7



National Grid Rhode Island  
Storage Variable Costs  
Normal Year  
(\$000)

	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
<b>Storage Costs</b>													
Columbia FSS	\$ 0.0	\$ 0.5	\$ 1.0	\$ 0.9	\$ 0.6	\$ -	\$ 0.7	\$ 0.7	\$ -	\$ -	\$ 0.8	\$ 0.5	\$ 6.0
Dominion GSS	\$ -	\$ 4.3	\$ 4.7	\$ 3.8	\$ 2.6	\$ 1.9	\$ 4.8	\$ 4.5	\$ 4.4	\$ 4.4	\$ 4.2	\$ 3.8	\$ 42.8
Dominion GSSSTE	\$ 0.9	\$ 3.5	\$ 3.5	\$ 3.2	\$ 3.5	\$ -	\$ 4.6	\$ -	\$ -	\$ -	\$ 5.5	\$ 5.0	\$ 34.5
Providence LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tennessee FSMA	\$ -	\$ 1.1	\$ 1.4	\$ 1.5	\$ 2.1	\$ -	\$ 0.4	\$ 1.4	\$ 0.5	\$ 1.0	\$ 1.0	\$ 1.4	\$ 12.4
Tetco FSS1	\$ -	\$ 0.3	\$ 0.9	\$ 1.0	\$ 0.4	\$ 0.1	\$ 0.4	\$ 0.4	\$ 0.4	\$ 0.4	\$ 0.4	\$ 0.4	\$ 5.3
Tetco SS1	\$ -	\$ 17.6	\$ 30.4	\$ 26.0	\$ 13.0	\$ 1.7	\$ 9.4	\$ 9.1	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.1	\$ 144.7
Exeter LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 0.9</b>	<b>\$ 27.4</b>	<b>\$ 41.9</b>	<b>\$ 36.3</b>	<b>\$ 22.1</b>	<b>\$ 3.7</b>	<b>\$ 20.4</b>	<b>\$ 16.2</b>	<b>\$ 14.8</b>	<b>\$ 21.3</b>	<b>\$ 20.3</b>	<b>\$ 20.2</b>	<b>\$ 245.6</b>

	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
<b>Withdrawal Value</b>													
Columbia FSS	\$ 5.0	\$ 69.9	\$ 127.0	\$ 112.8	\$ 73.6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 388.2
Dominion GSS	\$ -	\$ 564.3	\$ 611.2	\$ 487.8	\$ 336.4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,999.7
Dominion GSSSTE	\$ 89.6	\$ 350.3	\$ 350.3	\$ 316.4	\$ 350.3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,456.9
Exeter LNG	\$ 25.2	\$ 26.0	\$ 273.4	\$ 98.4	\$ 25.8	\$ 24.8	\$ 25.3	\$ 24.3	\$ 25.1	\$ 25.2	\$ 24.5	\$ 24.5	\$ 623.4
Providence LNG	\$ 58.6	\$ 58.3	\$ 488.4	\$ 423.9	\$ 57.7	\$ 55.1	\$ 56.4	\$ 54.1	\$ 55.7	\$ 55.7	\$ 53.7	\$ 55.4	\$ 1,473.0
Tennessee FSMA	\$ -	\$ 252.2	\$ 307.5	\$ 348.7	\$ 469.9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378.3
Tetco FSS1	\$ -	\$ 12.5	\$ 39.2	\$ 41.7	\$ 15.4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108.7
Tetco SS1	\$ -	\$ 478.1	\$ 824.7	\$ 706.9	\$ 352.5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,362.2
<b>Grand Total</b>	<b>\$ 178.4</b>	<b>\$ 1,811.6</b>	<b>\$ 3,021.7</b>	<b>\$ 2,536.5</b>	<b>\$ 1,681.6</b>	<b>\$ 79.9</b>	<b>\$ 81.7</b>	<b>\$ 78.4</b>	<b>\$ 80.8</b>	<b>\$ 80.9</b>	<b>\$ 78.2</b>	<b>\$ 80.7</b>	<b>\$ 9,790.4</b>

	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
<b>Injection Value</b>													
Columbia FSS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118.6	\$ 115.9	\$ -	\$ 120.2	\$ 72.8	\$ 39.9	\$ 467.4
Dominion GSS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 171.7	\$ 416.9	\$ 393.7	\$ 389.9	\$ 365.5	\$ 310.9	\$ 308.6	\$ 2,357.3
Dominion GSSSTE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 386.1	\$ -	\$ -	\$ 459.1	\$ 388.5	\$ 384.3	\$ 1,617.9
[REDACTED]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 604.1
Tennessee FSMA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115.1	\$ 382.9	\$ 138.4	\$ 277.7	\$ 358.7	\$ 376.6	\$ 1,649.4
Tetco FSS1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.1	\$ 20.6	\$ 19.9	\$ 20.7	\$ 20.5	\$ 18.4	\$ 19.3	\$ 123.6
Tetco SS1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88.3	\$ 450.2	\$ 435.9	\$ 454.2	\$ 450.0	\$ 404.1	\$ 423.6	\$ 2,706.3
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 790.3</b>	<b>\$ 540.9</b>	<b>\$ 1,789.3</b>	<b>\$ 1,624.1</b>	<b>\$ 1,026.8</b>	<b>\$ 1,716.5</b>	<b>\$ 1,750.5</b>	<b>\$ 1,632.0</b>	<b>\$ 10,870.4</b>

REDACTED

National Grid Rhode Island  
Transportation Fixed Costs  
Normal Year  
(\$000)

Transportation Costs	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
Dracut	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 85.0	\$ 1,020.3
Everett	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 106.3	\$ 1,275.4
LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Manchester Lateral	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 209.8	\$ 2,517.1
Niagara	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 6.8	\$ 82.1
Storage Delivery	\$ 449.2	\$ 449.2	\$ 463.7	\$ 463.7	\$ 463.7	\$ 432.9	\$ 432.9	\$ 432.9	\$ 432.9	\$ 432.9	\$ 432.9	\$ 432.9	\$ 5,305.3
Yankee Interconnect	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536.8
AIM	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 756.9	\$ 9,082.4
Transco	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 9.4	\$ 113.1
TCO (Pool)	\$ 515.3	\$ 515.3	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 695.7	\$ 7,807.3
TETCO SCT Long Haul	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 18.0	\$ 215.8
AGT M3	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 126.8	\$ 1,521.5
TETCO CDS Long Haul	\$ 1,001.6	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 1,001.4	\$ 12,017.1
Dominion	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 7.1	\$ 85.6
Dawn via Waddington	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 22.6	\$ 271.8
Dawn via PNGTS	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 996.8	\$ 11,962.0
TGP Long Haul	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 459.0	\$ 5,507.6
TGP ConneXion	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 214.8	\$ 2,577.6
Portable LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,256.4
<b>Grand Total</b>													<b>\$ 63,155.1</b>



National Grid Rhode Island  
Supply Fixed Costs  
Normal Year  
(\$000)

Supply Costs	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021	Grand Total
Everett Supply Deal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,672.8
Ramapo	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dawn East Hereford	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dawn Waddington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dominion South Point	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Millenium East	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Niagara	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TCO Appalachia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TCO M3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tetco M3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Leidy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Waddington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dracut Supply Deal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Everett Supply Deal2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Summer Liquid Refill	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Summer Trucking	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
AGT Citygate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Winter Trucking	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Proposed Summer Liquid	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>													<b>\$ 18,482.4</b>





National Grid Rhode Island  
 Storage Inventory  
 Normal Year  
 (\$000; MDth)

Storage Inventory		11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021	9/1/2021	10/1/2021
LNG	Beg Inv Value	\$ 3,280.6	\$ 3,196.8	\$ 3,112.5	\$ 2,350.7	\$ 1,828.4	\$ 2,535.1	\$ 2,731.9	\$ 2,932.1	\$ 3,129.5	\$ 3,072.3	\$ 3,014.8	\$ 3,133.7
LNG	Beg Inv Volume	753.0	733.7	714.3	538.4	418.7	591.7	644.3	698.5	751.1	736.3	721.5	753.0
LNG	End Inv Value	\$ 3,196.8	\$ 3,112.5	\$ 2,350.7	\$ 1,828.4	\$ 2,535.1	\$ 2,731.9	\$ 2,932.1	\$ 3,129.5	\$ 3,072.3	\$ 3,014.8	\$ 3,133.7	\$ 3,132.6
LNG	End Inv Volume	733.7	714.3	538.4	418.7	591.7	644.3	698.5	751.1	736.3	721.5	753.0	753.0
AGT Storage	Beg Inv Value	\$ 6,279.2	\$ 6,184.6	\$ 5,131.6	\$ 3,548.2	\$ 2,152.8	\$ 1,223.3	\$ 1,378.9	\$ 2,507.9	\$ 3,224.9	\$ 3,843.2	\$ 5,027.2	\$ 6,025.0
AGT Storage	Beg Inv Volume	3,173.7	3,126.5	2,593.0	1,789.0	1,080.5	610.2	674.1	1,163.3	1,473.9	1,741.1	2,254.7	2,720.9
AGT Storage	End Inv Value	\$ 6,184.6	\$ 5,131.6	\$ 3,548.2	\$ 2,152.8	\$ 1,223.3	\$ 1,378.9	\$ 2,507.9	\$ 3,224.9	\$ 3,843.2	\$ 5,027.2	\$ 6,025.0	\$ 7,005.0
AGT Storage	End Inv Volume	3,126.5	2,593.0	1,789.0	1,080.5	610.2	674.1	1,163.3	1,473.9	1,741.1	2,254.7	2,720.9	3,173.7
TGP Storage	Beg Inv Value	\$ 2,642.9	\$ 2,642.9	\$ 1,968.7	\$ 1,292.2	\$ 673.3	\$ 4.8	\$ 113.3	\$ 491.7	\$ 1,123.1	\$ 1,508.0	\$ 2,017.1	\$ 2,572.7
TGP Storage	Beg Inv Volume	1,334.2	1,334.2	995.7	652.9	343.8	2.4	45.3	202.3	466.1	624.0	834.9	1,082.8
TGP Storage	End Inv Value	\$ 2,642.9	\$ 1,968.7	\$ 1,292.2	\$ 673.3	\$ 4.8	\$ 113.3	\$ 491.7	\$ 1,123.1	\$ 1,508.0	\$ 2,017.1	\$ 2,572.7	\$ 3,145.0
TGP Storage	End Inv Volume	1,334.2	995.7	652.9	343.8	2.4	45.3	202.3	466.1	624.0	834.9	1,082.8	1,334.2

The Narragansett Electric Company Gas Cost Recovery Receipt Point Volumes (MIDth)		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
<b>To City Gate</b>														
<b>GAS PURCHASES</b>														
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	7	-	-	-	-	-	-	-	-	-	-	-	-	7
Dawn via IGTS	-	5	16	11	-	-	-	-	-	-	-	-	-	33
Dawn via PNGTS	19	198	457	385	186	-	-	-	-	-	-	-	-	1,245
Dominion SP	14	17	17	15	17	16	-	-	-	-	-	-	-	97
Dracut Supply	-	-	-	-	-	-	-	37	0	-	-	-	-	37
Everett Long-Term	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millennium	223	230	230	208	230	223	223	230	223	230	-	-	230	2,259
Niagara	3	33	33	30	26	0	-	-	-	-	-	-	-	126
Proposed Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCO Appalachia	382	956	1,012	906	1,025	26	-	-	-	-	-	-	-	4,307
Tetco M2 SCT	12	9	26	19	10	-	-	-	-	-	-	-	-	77
Tetco M2 CDS	1,131	1,179	1,179	1,064	1,076	932	-	-	-	304	554	-	-	8,001
Tetco M3	116	17	-	3	71	528	770	421	-	-	-	666	-	3,140
TGP Z4 Cnx	276	296	296	268	237	243	136	103	107	77	82	107	148	2,269
TGP Z4 LH	599	465	576	560	301	236	3	-	-	-	-	2	107	2,850
Transco Leidy	22	23	36	30	19	2	2	2	2	2	2	2	2	145
Waddington	2	0	-	0	6	-	-	-	-	-	-	-	-	8
<b>TOTAL PURCHASES TO CITY GATE</b>	<b>2,805</b>	<b>3,510</b>	<b>4,088</b>	<b>3,595</b>	<b>3,204</b>	<b>2,207</b>	<b>2,207</b>	<b>1,180</b>	<b>749</b>	<b>614</b>	<b>637</b>	<b>777</b>	<b>1,617</b>	<b>24,984</b>
<b>STORAGE WITHDRAWALS</b>														
Columbia FSS	3	36	65	57	37	-	-	-	-	-	-	-	-	198
Dominion GSS	-	282	307	246	169	-	-	-	-	-	-	-	-	1,004
Dominion GSSTE	45	175	175	158	175	-	-	-	-	-	-	-	-	727
Exeter LNG	6	6	65	23	6	6	6	6	6	6	6	6	6	149
Providence LNG	13	13	111	96	13	13	13	13	13	13	13	13	13	339
Tennessee FSMA	-	130	160	175	243	-	-	-	-	-	-	-	-	709
Tetco SS1	-	243	420	360	179	-	-	-	-	-	-	-	-	1,203
Tetco FSS1	-	6	20	21	8	-	-	-	-	-	-	-	-	55
<b>TOTAL WITHDRAWALS TO CITY GATE</b>	<b>67</b>	<b>891</b>	<b>1,323</b>	<b>1,137</b>	<b>831</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>4,383</b>
<b>GRAND TOTAL TO CITY GATE</b>	<b>2,872</b>	<b>4,401</b>	<b>5,410</b>	<b>4,732</b>	<b>4,035</b>	<b>2,226</b>	<b>2,226</b>	<b>1,199</b>	<b>768</b>	<b>634</b>	<b>657</b>	<b>795</b>	<b>1,637</b>	<b>29,367</b>

The Narragansett Electric Company  
Gas Cost Recovery  
Receipt Point Volumes (MIDth)

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
<b>To Storage Injection</b>													
<b>GAS PURCHASES</b>													
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via IGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via PNGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion SP	-	-	-	-	-	-	-	-	-	-	-	-	-
Dracut Supply	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Long-Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
██████████	-	-	-	-	-	-	-	-	-	-	-	-	488
Millennium	-	-	-	-	-	-	-	-	-	-	-	-	-
Niagara	-	-	-	-	-	-	-	-	-	-	-	-	-
Proposed Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-
TCO Appalachia	-	-	-	-	-	-	50	50	-	51	33	18	202
Tetco M2 SCT	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco M2 CDS	-	-	-	-	-	66	452	268	274	477	447	448	2,431
Tetco M3	-	-	-	-	-	-	-	-	-	-	-	-	-
TGP Z4 Cnx	-	-	-	-	-	44	160	184	161	215	180	148	1,093
TGP Z4 LH	-	-	-	-	-	-	-	85	-	-	73	108	265
Transco Leidy	-	-	-	-	-	-	-	-	-	-	-	-	-
Waddington	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PURCHASES TO INJECTIONS</b>	-	-	-	-	192	181	737	658	439	748	782	741	4,480
<b>STORAGE WITHDRAWALS</b>													
Columbia FSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSSTE	-	-	-	-	-	-	-	-	-	-	-	-	-
Exeter LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee FSMA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco SS1	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco FSS1	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL WITHDRAWALS TO STORAGE INJECTION</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>GRAND TOTAL TO CITY GATE</b>	-	-	-	-	192	181	737	658	439	748	782	741	4,480

The Narragansett Electric Company Gas Cost Recovery Delivery Point Volumes (MDth)		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
<b>To City Gate</b>														
<b>GAS PURCHASES</b>														
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	7	-	-	-	-	-	-	-	-	-	-	-	-	7
Dawn via IGTS	-	5	16	11	-	-	-	-	-	-	-	-	-	32
Dawn via PNGTS	18	194	447	376	182	-	-	-	-	-	-	-	-	1,218
Dominion SP	14	16	16	15	16	-	-	-	-	-	-	-	-	93
Dracut Supply	-	-	-	-	-	-	-	37	0	-	-	-	-	37
Everett Long-Term	-	80	209	94	-	-	-	-	-	-	-	-	-	384
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millennium	215	218	218	197	218	215	222	222	215	222	-	-	222	2,160
Niagara	3	33	33	30	25	0	-	-	-	-	-	-	-	125
Proposed Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCO Appalachia	372	931	986	883	998	25	-	-	-	-	-	-	-	4,194
Tetco M2 SCT	12	8	25	19	10	-	-	-	-	-	-	-	-	74
Tetco M2 CDS	1,098	1,136	1,136	1,026	1,037	905	-	-	-	296	537	-	565	7,737
Tetco M3	115	17	-	3	71	524	763	417	-	-	-	660	542	3,112
TGP Z4 Cnx	273	293	292	264	234	240	135	102	102	76	81	106	147	2,241
TGP Z4 LH	592	460	569	554	297	233	3	-	-	-	-	2	106	2,815
Transco Leidy	21	23	35	30	18	2	2	2	2	2	2	2	2	143
Waddington	2	0	-	0	6	-	-	-	-	-	-	-	-	8
<b>TOTAL PURCHASES TO CITY GATE</b>	<b>2,740</b>	<b>3,414</b>	<b>3,983</b>	<b>3,501</b>	<b>3,114</b>	<b>2,159</b>	<b>1,163</b>	<b>1,163</b>	<b>736</b>	<b>596</b>	<b>620</b>	<b>769</b>	<b>1,584</b>	<b>24,379</b>
<b>STORAGE WITHDRAWALS</b>														
Columbia FSS	2	35	63	56	37	-	-	-	-	-	-	-	-	193
Dominion GSS	-	274	299	239	165	-	-	-	-	-	-	-	-	977
Dominion GSSTE	44	170	170	154	170	-	-	-	-	-	-	-	-	709
Exeter LNG	6	6	65	23	6	6	6	6	6	6	6	6	6	149
Providence LNG	13	13	111	96	13	13	13	13	13	13	13	13	13	339
Tennessee FSMA	-	129	158	173	240	-	-	-	-	-	-	-	-	701
Tetco SS1	-	237	409	351	175	-	-	-	-	-	-	-	-	1,171
Tetco FSS1	-	6	19	20	7	-	-	-	-	-	-	-	-	53
<b>TOTAL WITHDRAWALS TO CITY GATE</b>	<b>65</b>	<b>870</b>	<b>1,295</b>	<b>1,113</b>	<b>813</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>19</b>	<b>4,291</b>
<b>GRAND TOTAL TO CITY GATE</b>	<b>2,806</b>	<b>4,285</b>	<b>5,277</b>	<b>4,614</b>	<b>3,927</b>	<b>2,178</b>	<b>1,182</b>	<b>1,182</b>	<b>755</b>	<b>615</b>	<b>640</b>	<b>788</b>	<b>1,603</b>	<b>28,670</b>

The Narragansett Electric Company Gas Cost Recovery Delivery Point Volumes (MDth) To Storage Injection	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
<b>GAS PURCHASES</b>													
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via IGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via PNGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion SP	-	-	-	-	-	-	-	-	-	-	-	-	-
Dracut Supply	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Long-Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-
Millennium	-	-	-	-	-	-	-	-	-	-	-	-	-
Niagara	-	-	-	-	-	-	-	-	-	-	-	-	-
Proposed Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-
TCO Appalachia	-	-	-	-	-	-	49	49	-	50	32	18	198
Tetco M2 SCT	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco M2 CDS	-	-	-	-	-	64	440	262	267	463	434	435	2,366
Tetco M3	-	-	-	-	-	-	-	-	-	-	-	-	-
TGP Z4 Cnx	-	-	-	-	-	43	157	181	158	211	177	145	1,072
TGP Z4 LH	-	-	-	-	-	-	-	83	-	-	71	106	260
Transco Leidy	-	-	-	-	-	-	-	-	-	-	-	-	-
Waddington	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PURCHASES TO INJECTIONS</b>	-	-	-	-	192	178	720	646	430	729	764	724	4,383
<b>STORAGE WITHDRAWALS</b>													
Columbia FSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSSTE	-	-	-	-	-	-	-	-	-	-	-	-	-
Exeter LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee FSMA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco SS1	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco FSS1	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL WITHDRAWALS TO STORAGE INJECTION</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>GRAND TOTAL TO CITY GATE</b>	-	-	-	-	192	178	720	646	430	729	764	724	4,383

National Grid Rhode Island  
Customer Choice Capacity Allocation Proposal  
2020/21

Paths	Peak Day City Gate MDQ (Dth/day)	City Gate Contracts	Upstream	Percent of Portfolio	Percent of Release
TGP Long Haul	29,335	TGP 1597		7.1%	13.7%
TGP ConneXion	11,600	TGP 64025, TGP 64026		2.8%	5.4%
Dawn via PNGTS	29,000	TGP 62930, TGP 330580	Union M12274, TCPL 60659, TCPL 58577, PNGTS 210203	7.0%	13.5%
AIM	18,000	AGT 510801	MPL 214129	4.4%	8.4%
TETCO CDS Long Haul	45,934	AGT 93011E	TETCO 800303	11.1%	21.5%
TCO Appalachia	40,000	AGT 90107, AGT 90106, AGT 9001	TCO 31524, TCO 31523	9.7%	18.7%
AGT M3	18,099	AGT 93011E, AGT 90106, AGT 93401S, AGT 90107, AGT 9001		4.4%	8.5%
Dracut	20,000	TGP 62930		4.8%	9.3%
TETCO SCT Long Haul	2,099	AGT 93001ESC	TETCO 800156	0.5%	1.0%
Niagara	1,067	TGP 39173		0.3%	
Dawn via Waddington	1,000	TGP 95345	Union M12164, TCPL 42386, IGTS 50001	0.2%	
Transco	1,240	AGT 90106, AGT 96004SC	Transco 9081767	0.3%	
Dominion	537	AGT 96004SC		0.1%	
	217,911			52.7%	
Storage	37,357	TGP 10807, AGT 9W009E, AGT 9B105, AGT 933005, AGT 90106, AGT 9B105, AGT 9S100S		9.0%	
	37,357			9.0%	
Peaking	158,100	TGP 330581; TGP 330580; NGLNG; Exeter; DOMAC		38.2%	
	158,100			38.2%	
TOTAL	413,368			100.0%	

**National Grid Rhode Island  
Customer Choice Transportation Fixed Costs  
2020/21**

**Sales & Customer Choice**

Annual Transportation Demand (\$000)	\$	67,983
Managed Capacity (Dth/day)		3,844
Annual Managed Capacity Demand (\$000)	\$	553
Design Day Transportation (Dth)		217,911
Daily Demand Per Design Day Dth	\$	0.855

**Sales Only**

Annual Transportation Demand (\$000)	\$	55,536
Managed Capacity (Dth/day)		3,473
Annual Managed Capacity Demand (\$000)	\$	499
Design Day Transportation (Dth)		178,042
Daily Demand Per Design Day Dth	\$	0.854

**Customer Choice**

Annual Transportation Demand (\$000)	\$	12,447
Managed Capacity (Dth/day)		371
Annual Managed Capacity Demand (\$000)	\$	53
Design Day Transportation (Dth)		39,498
Daily Demand Per Design Day Dth	\$	0.859



Attachments of Ryan M. Scheib and Michael J. Pini

Attachment RMS/MJP-1 Revised

Gas Cost Recovery Factors

Attachment RMS/MJP-3 Revised

Projected Gas Cost Balances

Attachment RMS/MJP-4 Revised

Bill Impact Analysis

Attachment RMS/MJP-5 Revised

FT-2 Demand Rate

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 5066  
REVISED 2020 GAS COST RECOVERY FILING  
WITNESS: RYAN M. SCHEIB AND MICHAEL J. PINI  
SEPTEMBER 28, 2020**

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Attachment RMS/MJP-1 Revised  
Gas Cost Recovery Factors

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Factors Effective November 1, 2020**

<u>Description</u> (a)	<u>Source</u>		<u>High Load</u> <sup>1</sup> (d)	<u>Low Load</u> <sup>2</sup> (e)	<u>FT-2</u> <u>Mktet</u> <sup>3</sup> (f)
	<u>Reference</u> (b)	<u>Line #</u> (c)			
(1) Fixed Cost Factor - \$/dktherm	RMS/MJP-1 Revised, pg 2	Line (17)	\$2.0889	\$2.7403	
(2) Variable Cost Factor -\$/dktherm	RMS/MJP-1 Revised, pg 3	Line (14)	\$2.9076	\$2.9076	
(3) Total Gas Cost Recovery Charge- \$/dktherm	(1) + (2)		\$4.9965	\$5.6479	
(4) Uncollectible %	Docket 4770		1.91%	1.91%	
(5) Total GCR Charge adjusted for Uncollectibles- \$/dkdtherm	(3) ÷ [1 - (4)]		\$5.0937	\$5.7578	
(6) GCR Charge on a per therm basis	(5) ÷ 10		<b>\$0.5093</b>	<b>\$0.5757</b>	
(7) Current rate effective 11/01/19 - \$/therm	Docket 4963		\$0.4736	\$0.5302	
(8) Increase / (Decrease) - \$/therm	(6) - (7)		\$0.0357	\$0.0455	
(9) Percent Decrease	(8) ÷ (7)		7.5%	8.6%	

<sup>1</sup> Includes: Residential Non Heating, Large High Load and Extra Large High Load  
<sup>2</sup> Includes: Residential Heating, Small C&I, Medium C&I, Large Low Load, Extra Large Low Load  
<sup>3</sup> See RMS/MJP-5 Revised for calculation of FT-2 rate  
(6): Truncated to 4 decimals.

**National Grid - RI Gas**  
**Gas Cost Recovery (GCR) Filing**  
**Fixed Cost Calculation (\$ per Dth)**

	Description (a)	Source		Amount (d)	High Load Factor Total (e)	Low Load Factor Total (f)
		Reference (b)	Line # (c)			
(1)	Fixed Costs (net of Cap Rel to marketers)	RMS/MJP-1 Revised, pg 5	Line (44)	\$85,691,969		
	Less:					
(2)	NGPMP Customer Benefit	GSP-1 Revised		(\$5,251,052)		
(3)	Interruptible Costs			\$0		
(4)	FT-2 Storage Demand Costs	RMS/MJP-5 Revised, pg 2	Line (25)	(\$2,868,079)		
(5)	System Pressure to DAC	GSP-1 Revised, pg 12		(\$8,549,925)		
(6)	Refunds			\$0		
(7)	Total Credits	Sum[(2):(6)]		(\$16,669,056)		
	Plus:					
(8)	Supply Related LNG O&M Costs	Dkt 4770	Compliance Attachment 2	\$829,823	\$829,823	\$69,152
(9)	Working Capital Requirement	RMS/MJP-1 Revised, pg 9	Schedule 32 Pg 5 Line (16)	\$583,556		
(10)	Deferred Fixed Cost Over-recovered	RMS/MJP-1 Revised, pg 7	Line (17)	\$3,893,018		
(11)	Reconciliation Amount from Fixed costs- Marketers	RMS/MJP-7, pg 2	Line (50)	(\$188,452)		
(12)	Total Additions	Sum[(8):(11)]		\$5,117,945		
(13)	Total Fixed Costs	(1) + (7) + (12)		\$74,140,858		
(14)	Design Winter Sales Percentage	RMS/MJP-1 Revised, pg 13	Lines (10) & (11)		1.82%	98.18%
(15)	Allocated Supply Fixed Costs	(13) x (14)			\$1,349,364	\$72,791,494
(16)	Sales (Dth) Nov 2019 - Oct 2020	RMS/MJP-1 Revised, pg 12	Line (9)	27,208,322	645,959	26,562,363
(17)	Fixed Factor	(15) ÷ (16)			<b>\$2.0889</b>	<b>\$2.7403</b>

Col (e): RMS/MJP-1 Revised page 12, Sum[Lines (1), (6), (8)]

Col (f): RMS/MJP-1 Revised page 12, Sum[Lines (2)-(5), (7)]

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Variable Cost Calculation (\$ per Dth)**

<u>Description</u> (a)	<u>Reference</u> (b)	<u>Line #</u> (c)	<u>Amount</u> (d)
(1) Variable Costs, excluding Refunds	RMS/MJP-1 Revised, pg 6	Line (79) - Line (76)	\$73,352,280
Less:			
(2) System Pressure to DAC			\$0
(3) Non-Firm Sales			\$0
(4) Refunds	RMS/MJP-1 Revised, pg 6	Line (76)	<u>\$0</u>
(5) Total Credits	Sum [(2):(4)]		\$0
Plus:			
(6) Working Capital	RMS/MJP-1 Revised, pg 9	Line (32)	\$554,887
(7) Deferred Variable Cost Under-recovered	RMS/MJP-1 Revised, pg 7	Line (35)	\$4,210,357
(8) Supply Related LNG O&M	Docket 4770	Compliance Attachment 2	\$302,244
		Schedule 32 Pg 5 Ln 15 - Ln 12	
(9) Inventory Financing - LNG	RMS/MJP-1 Revised, pg 11	Line (22)	\$239,415
(10) Inventory Financing - Storage	RMS/MJP-1 Revised, pg 11	Line (12)	<u>\$452,816</u>
(11) Total Additions	Sum [(6):(10)]		\$5,759,720
(12) Total Variable Supply Costs	(1) + (5) + (11)		\$79,112,000
(13) Sales (Dth) Nov 2019 - Oct 2020	RMS/MJP-1 Revised, pg 12	Line (9)	27,208,322
(14) Variable Cost Factor	(12) ÷ (13)		<b>\$2.9076</b>

REDACTED





REDACTED

**National Grid - RI Gas  
 Gas Cost Recovery - (GCR) Filing  
 Gas Cost Estimate**

Description (a)	Nov-20 (c)	Dec-20 (d)	Jan-21 (e)	Feb-21 (f)	Mar-21 (g)	Apr-21 (h)	May-21 (i)	Jun-21 (j)	Jul-21 (k)	Aug-21 (l)	Sep-21 (m)	Oct-21 (n)	Nov-Oct (o)
<b>Variable Commodity Costs</b>													
(45) AGT Citygate	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(46) AIM at Ramapo	\$17,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,030
(47) Const Summer Refill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(48) Const Winter Refill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(49) Dawn via IGTS	\$48,791	\$15,180	\$50,479	\$34,727	\$564,378	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,386
(50) Dawn via PNGTS	\$29,391	\$586,765	\$1,406,183	\$1,185,084	\$42,887	\$37,198	\$0	\$0	\$0	\$0	\$0	\$0	\$3,791,201
(51) Dominion SP	\$0	\$43,209	\$45,094	\$40,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$238,202
(52) Dracut Supply	\$0	\$0	\$0	\$0	\$0	\$0	\$89,874	\$121	\$0	\$0	\$0	\$0	\$89,994
(53) Everett Long-Term	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(54) Everett Swing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(55) Millenium	\$460,067	\$586,192	\$611,759	\$548,395	\$581,816	\$504,647	\$497,054	\$477,453	\$503,964	\$0	\$0	\$465,038	\$5,236,385
(56) Niagara	\$6,876	\$88,864	\$92,733	\$83,668	\$70,346	\$854	\$0	\$0	\$0	\$0	\$0	\$0	\$343,341
(57) TCO Appalachia	\$874,645	\$2,561,724	\$2,835,486	\$2,509,038	\$2,691,529	\$61,055	\$116,926	\$114,240	\$0	\$118,563	\$71,760	\$39,322	\$11,994,289
(58) Teco M3	\$294,398	\$65,865	\$91,810	\$13,092	\$233,821	\$1,274,174	\$1,745,082	\$957,098	\$0	\$4,737	\$1,374,113	\$1,168,975	\$7,126,618
(59) Transco Leidy	\$43,215	\$58,285	\$91,810	\$78,337	\$46,008	\$4,692	\$4,638	\$4,497	\$4,812	\$0	\$4,168	\$4,420	\$349,620
(60) Waddington	\$5,182	\$28	\$0	\$39	\$18,522	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,770
(61) Nextera Summer Refill	\$2,323,083	\$3,011,192	\$3,171,474	\$2,840,074	\$2,755,622	\$2,286,275	\$974,841	\$578,419	\$1,257,209	\$2,219,010	\$889,926	\$2,081,616	\$24,388,740
(62) Teco M2 CDS	\$25,123	\$22,322	\$69,507	\$51,280	\$26,849	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$195,081
(63) Teco M2 SCT	\$616,490	\$804,330	\$859,267	\$768,503	\$657,899	\$700,464	\$692,665	\$664,580	\$563,762	\$695,928	\$622,380	\$652,025	\$8,298,294
(64) TGP Z4 Cnx	\$1,337,286	\$1,263,254	\$1,672,795	\$1,609,751	\$836,283	\$574,932	\$7,718	\$196,118	\$0	\$0	\$161,424	\$473,186	\$8,132,747
(66) Total Variable Commodity Costs	\$94,604	\$1,727,309	\$2,259,883	\$2,014,184	\$1,598,037	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,694,016
<b>Variable Storage Costs</b>													
(67) Underground Storage	\$83,794	\$84,323	\$761,809	\$522,287	\$83,556	\$79,885	\$81,713	\$78,394	\$80,777	\$80,931	\$78,198	\$80,706	\$2,096,372
(68) LNG Withdrawals and Trucking	\$178,398	\$1,811,632	\$3,021,692	\$2,536,471	\$1,681,592	\$79,885	\$81,713	\$78,394	\$80,777	\$80,931	\$78,198	\$80,706	\$9,790,388
<b>Variable Transportation Costs</b>													
(70) Variable Costs for Purchases to City Gate	\$286,991	\$328,149	\$369,519	\$330,262	\$302,371	\$206,387	\$73,195	\$48,694	\$63,840	\$73,688	\$41,970	\$145,330	\$2,270,396
(71) Variable Cost for Storage Withdrawal	\$7,993	\$114,109	\$149,339	\$131,915	\$103,832	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$506,287
(72) Variable Cost for Storage Injection	\$0	\$0	\$0	\$0	\$140,488	\$71,640	\$107,730	\$97,909	\$43,230	\$59,460	\$93,325	\$71,934	\$685,717
(73) Total Variable Transportation Costs	\$294,984	\$542,258	\$518,858	\$462,177	\$446,691	\$278,027	\$180,925	\$146,603	\$107,070	\$133,148	\$135,295	\$117,264	\$1,467,411
<b>Injections</b>													
(74) Cost of Injections	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(75) Variable Cost for Storage Injection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(76) Refunds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(77) Total Injections	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Hedging Impact</b>													
(78) Hedging Impact	\$85,087	\$128,447	\$189,459	\$131,358	\$165,546	\$250,215	\$242,621	\$187,170	\$195,399	\$198,614	\$283,384	\$324,888	\$2,212,013
(79) Total Variable Costs	\$1,727,309	\$3,021,692	\$4,281,742	\$3,536,542	\$2,279,634	\$779,970	\$817,726	\$782,788	\$808,054	\$810,542	\$786,396	\$808,636	\$73,352,280
(80) Total Supply Costs	\$1,727,309	\$3,021,692	\$4,281,742	\$3,536,542	\$2,279,634	\$779,970	\$817,726	\$782,788	\$808,054	\$810,542	\$786,396	\$808,636	\$159,044,249
<b>Storage Costs for FT-2 Calculation</b>													
(81) Storage Fixed Costs - Facilities	\$435,814	\$435,814	\$435,814	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$5,351,312
(82) Storage Fixed Costs - Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(83) Total Storage Costs	\$435,814	\$435,814	\$435,814	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$449,319	\$5,351,312



**National Grid - RI Gas  
 Gas Cost Recovery (GCR) Filing  
 GCR Deferred Balances**

Description	Nov-19		Dec-19		Jan-20		Feb-20		Mar-20		Apr-20		May-20		Jun-20		Jul-20		Aug-20		Sep-20		Oct-20		Nov-Oct		
	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	actual	forecast	
(1) # of Days in Month	30	(b)	31	(c)	31	(d)	28	(e)	31	(f)	30	(g)	31	(h)	30	(i)	31	(j)	31	(k)	30	(l)	31	(m)	365	(n)	
(2) I Fixed Cost Deferred																											
(3) Beginning Under/(Over) Recovery	(\$7,052,348)		(\$6,102,864)		(\$5,550,440)		(\$8,028,986)		(\$8,639,528)		(\$8,461,383)		(\$9,710,995)		(\$12,426,527)		(\$9,488,015)		(\$6,100,630)		(\$6,100,630)		(\$2,633,677)		\$802,832		(\$7,052,348)
(4) Supply Fixed Costs (net of cap rel)	\$6,327,903		\$8,645,307		\$8,638,059		\$8,536,820		\$8,602,536		\$5,567,480		\$2,777,190		\$5,553,300		\$5,391,037		\$5,561,006		\$5,561,006		\$5,561,006		\$5,561,006		\$7,622,651
(5) Reservation Charge - Craty Street	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
(6) Supply Related LNG O&M	\$69,152		\$590,121		\$539,696		\$303,380		(\$118,633)		\$69,152		\$69,152		\$69,152		\$69,152		\$69,152		\$69,152		\$69,152		\$69,152		\$1,867,779
(7) NGPMP Credits	(\$475,000)		(\$475,000)		(\$1,004,242)		(\$475,000)		(\$221,260)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$5,975,502)
(8) Working Capital	\$47,869		\$65,399		\$65,344		\$64,578		\$65,076		\$42,116		\$21,009		\$42,009		\$40,782		\$42,067		\$42,067		\$42,067		\$42,067		\$580,383
(9) Total Supply Fixed Costs	\$5,969,924		\$8,225,827		\$8,238,857		\$8,429,778		\$8,327,717		\$5,203,748		\$2,392,351		\$5,189,461		\$5,025,971		\$5,197,226		\$5,197,226		\$5,197,226		\$5,197,226		\$7,195,311
(10) Supply Fixed - Revenue	\$5,000,953		\$8,259,810		\$10,701,564		\$9,022,756		\$8,136,639		\$6,444,030		\$5,096,139		\$2,239,697		\$1,630,316		\$1,725,639		\$1,725,639		\$1,759,777		\$3,109,531		\$62,126,849
(11) Monthly Under/(Over) Recovery	\$968,971		\$566,017		(\$2,462,707)		(\$592,978)		\$191,078		(\$1,240,282)		(\$2,703,788)		\$2,949,764		\$3,395,655		\$3,471,587		\$3,471,587		\$3,437,449		\$3,087,695		\$11,068,461
(12) Prelim Ending Under/(Over) Recovery	(\$6,083,378)		(\$5,536,847)		(\$8,013,147)		(\$8,621,147)		(\$8,448,450)		(\$9,701,664)		(\$12,414,782)		(\$9,476,763)		(\$6,092,360)		(\$2,629,043)		(\$2,629,043)		\$803,772		\$3,890,527		\$4,016,113
(13) Month's Average Balance	(\$6,567,863)		(\$5,819,856)		(\$6,781,793)		(\$8,325,475)		(\$8,543,989)		(\$9,081,523)		(\$11,062,888)		(\$10,951,645)		(\$7,790,187)		(\$4,364,837)		(\$4,364,837)		(\$914,953)		\$2,346,679		\$4,016,113
(14) Interest Rate (BOA Prime minus 200 bps)	2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%
(15) Interest Applied	(\$14,845)		(\$13,593)		(\$15,840)		(\$17,563)		(\$12,933)		(\$9,330)		(\$11,745)		(\$11,252)		(\$8,270)		(\$4,634)		(\$4,634)		(\$940)		\$2,491		(\$118,454)
(16) Market Reconciliation	(\$4,641)		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		(\$4,641)
(17) Fixed Ending Under/(Over) Recovery	(\$6,102,864)		(\$5,550,440)		(\$8,028,986)		(\$8,639,528)		(\$8,461,383)		(\$9,710,995)		(\$12,426,527)		(\$9,488,015)		(\$6,100,630)		(\$2,633,677)		(\$2,633,677)		\$802,832		\$3,893,018		\$3,893,018
(18) II Variable Cost Deferred																											
(19) Beginning Under/(Over) Recovery	\$5,109,999		\$8,659,769		\$11,209,584		\$10,622,654		\$11,089,511		\$9,288,955		\$7,486,618		\$4,141,027		\$3,753,168		\$3,975,835		\$3,975,835		\$3,708,802		\$3,532,859		\$5,109,999
(20)	\$9,270,622		\$13,029,252		\$13,220,051		\$11,838,236		\$8,413,386		\$6,292,144		\$2,983,048		\$2,126,101		\$1,913,246		\$1,591,771		\$1,591,771		\$1,712,077		\$3,009,939		\$75,399,873
(21) Variable Supply Costs	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
(22) Supply Related System Pressure to DAC	\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$25,187		\$302,244
(23) Supply Related LNG O&M	\$25,458		\$24,655		\$24,006		\$24,744		\$24,319		\$23,875		\$23,482		\$23,089		\$23,331		\$23,331		\$23,331		\$16,908		\$16,893		\$264,636
(24) Inventory Financing - LNG	\$80,040		\$73,770		\$67,115		\$73,770		\$59,355		\$52,404		\$58,782		\$41,089		\$62,219		\$58,782		\$58,782		\$41,089		\$60,943		\$716,811
(25) Inventory Financing - UG	\$70,129		\$98,520		\$100,006		\$89,553		\$63,645		\$77,598		\$22,566		\$16,083		\$14,473		\$14,473		\$14,473		\$12,951		\$22,769		\$570,377
(26) Working Capital	\$9,471,436		\$13,251,426		\$13,436,365		\$12,037,076		\$8,579,963		\$6,441,208		\$3,110,944		\$2,249,242		\$2,038,456		\$1,683,965		\$1,683,965		\$1,818,128		\$3,135,732		\$77,253,941
(27) Total Supply Variable Costs	\$5,957,913		\$10,724,788		\$14,048,760		\$11,593,097		\$10,395,930		\$8,252,159		\$6,462,704		\$2,641,154		\$1,819,890		\$1,935,074		\$1,935,074		\$1,997,790		\$2,462,342		\$78,311,601
(28) Supply Variable - Revenue	\$3,513,523		\$2,526,638		(\$612,398)		\$443,979		(\$1,815,967)		(\$1,810,951)		(\$3,351,760)		(\$3,919,112)		\$2,188,566		(\$2,711,109)		(\$2,711,109)		(\$179,662)		\$673,330		\$1,057,660
(29) Monthly Under/(Over) Recovery	\$8,623,522		\$11,186,407		\$10,597,186		\$11,066,633		\$9,273,544		\$4,748,005		\$4,134,858		\$3,749,115		\$3,971,734		\$3,704,725		\$3,704,725		\$3,529,141		\$4,206,249		\$4,057,660
(30) Prelim Ending Under/(Over) Recovery	\$6,866,760		\$9,923,088		\$10,903,386		\$10,844,643		\$10,181,527		\$8,383,480		\$5,810,738		\$3,945,071		\$3,862,451		\$3,840,280		\$3,840,280		\$3,618,972		\$3,869,554		\$4,057,660
(31) Month's Average Balance	2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%
(32) Interest Rate (BOA Prime minus 200 bps)	2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%		2.75%
(33) Interest Applied	\$15,521		\$23,177		\$25,466		\$22,878		\$15,412		\$8,613		\$6,169		\$4,053		\$4,101		\$4,077		\$4,077		\$3,718		\$4,108		\$137,292
(34) Gas Procurement Incentive/(penalty)	\$20,726		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$20,726
(35) Variable Ending Under/(Over) Recovery	\$8,659,769		\$11,209,584		\$10,622,654		\$11,089,511		\$9,288,955		\$7,486,618		\$4,141,027		\$3,753,168		\$3,975,835		\$3,975,835		\$3,975,835		\$3,708,802		\$3,532,859		\$4,210,357
(36) GCR Deferred Summary																											
(37) Beginning Under/(Over) Recovery	(\$1,942,350)		\$2,556,905		\$5,659,143		\$2,593,668		\$2,449,983		\$827,573		(\$2,224,377)		(\$8,285,500)		(\$5,734,847)		(\$2,124,796)		(\$2,124,796)		\$1,075,125		\$4,335,691		(\$1,942,350)
(38) Gas Costs	\$15,688,223		\$22,289,867		\$22,422,992		\$20,703,623		\$16,922,475		\$11,953,963		\$5,854,577		\$7,773,739		\$7,398,622		\$7,247,116		\$7,247,116		\$7,367,423		\$8,665,284		\$154,287,906
(39) Inventory Finance	\$105,498		\$98,425		\$91,121		\$84,100		\$77,746		\$76,279		\$80,143		\$81,871		\$85,550		\$84,965		\$84,965		\$67,913		\$77,836		\$981,447
(40) Working Capital	\$117,998		\$163,961		\$165,350		\$154,131		\$128,720		\$89,714		\$43,574		\$58,092		\$55,255		\$54,109		\$54,109		\$55,019		\$64,837		\$1,150,760
(41) NGPMP Credits	(\$475,000)		(\$475,000)		(\$1,004,242)		(\$475,000)		(\$221,260)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$475,000)		(\$5,975,502)
(42) Total Costs	\$15,436,719		\$22,077,253		\$21,675,222		\$20,466,854		\$16,907,681		\$11,644,957		\$5,503,295		\$7,438,703		\$7,064,427		\$6,881,190		\$6,881,190		\$7,015,354		\$8,332,957		\$150,444,611
(43) Revenue	\$10,958,866		\$18,984,598		\$24,750,324		\$20,615,853		\$18,532,569		\$14,696,189		\$11,538,842		\$4,880,850		\$3,450,206		\$3,680,713		\$3,680,713		\$3,757,567		\$4,571,873		\$140,438,450
(44) Monthly Under/(Over) Recovery	\$4,477,853		\$3,092,655		(\$3,075,102)		(\$4,444,999)		(\$1,624,889)		(\$3,051,233)		(\$6,055,548)		\$2,557,852		\$3,614,221		\$3,200,478		\$3,200,478		\$3,257,787		\$3,761,085		\$10,006,161
(45) Prelim Ending Under/(Over) Recovery	\$2,535,504		\$5,649,560		\$2,584,041		\$2,448,668		\$825,094																		

REDACTED

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
GCR - Gas Cost Revenue**

Description (a)	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
	fest (b)	fest (c)	fest (d)	fest (e)	fest (f)	fest (g)	fest (h)	fest (i)	fest (j)	fest (k)	fest (l)	fest (m)	Nov-Oct (n)
(1) <u>I. Fixed Cost Revenue</u>													
(2) (a) Low Load dth	1,840,236	3,367,595	4,600,060	5,170,258	3,814,281	3,111,846	1,191,380	827,843	628,259	595,478	613,567	801,559	26,562,363
(3) Fixed Cost Factor	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403	\$2,7403
(4) Low Load Revenue	\$5,042,798	\$9,228,221	\$12,605,545	\$14,168,057	\$10,452,275	\$8,527,393	\$3,264,739	\$2,268,537	\$1,721,619	\$1,631,789	\$1,681,359	\$2,196,512	\$72,788,844
(5) (b) High Load dth	47,180	70,967	83,791	89,030	70,167	62,930	38,685	40,356	32,266	34,547	37,622	38,418	645,959
(6) Fixed Cost Factor	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889	\$2,0889
(7) High Load Revenue	\$98,555	\$148,242	\$175,032	\$185,974	\$146,572	\$131,455	\$80,809	\$84,300	\$67,400	\$72,164	\$78,589	\$80,252	\$1,349,344
(8) sub-total Dth	1,887,416	3,438,561	4,683,852	5,259,288	3,884,449	3,174,777	1,230,065	868,199	660,525	630,025	651,190	839,977	27,208,322
(9) FT-2 Storage Revenue from marketers	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$239,007	\$2,868,079
(10) Total Fixed Revenue	\$5,380,360	\$9,615,470	\$13,019,584	\$14,593,038	\$10,837,854	\$8,897,855	\$3,584,555	\$2,591,844	\$2,028,026	\$1,942,960	\$1,998,955	\$2,515,771	\$77,006,267
(11) <u>II. Variable Cost Revenue</u>													
(12) (a) Firm Sales dth	1,887,416	3,438,561	4,683,852	5,259,288	3,884,449	3,174,777	1,230,065	868,199	660,525	630,025	651,190	839,977	27,208,322
(13) Variable Cost Factor	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076	\$2,9076
(14) Variable Revenue	\$5,487,850	\$9,997,961	\$13,618,767	\$15,291,904	\$11,294,423	\$9,230,981	\$3,576,537	\$2,524,375	\$1,920,544	\$1,831,860	\$1,893,399	\$2,442,317	\$79,110,918
(15) Total Variable Revenue	\$5,487,850	\$9,997,961	\$13,618,767	\$15,291,904	\$11,294,423	\$9,230,981	\$3,576,537	\$2,524,375	\$1,920,544	\$1,831,860	\$1,893,399	\$2,442,317	\$79,110,918
(16) Total Gas Cost Revenue	\$10,868,210	\$19,613,431	\$26,638,351	\$29,884,942	\$22,132,277	\$18,128,836	\$7,161,092	\$5,116,219	\$3,948,570	\$3,774,820	\$3,892,354	\$4,958,088	\$156,117,185

(2) RMS/MJP-1 Revised, pg 12, Sum [Lines (2)-(5), (7)]  
(3) RMS/MJP-1 Revised, pg 1, Line 1, col (e)  
(4) Line (2) x Line (3)  
(5) RMS/MJP-1 Revised, pg 12, Sum [Lines (1), (6), (8)]  
(6) RMS/MJP-1 Revised, pg 1, Line 1, col (d)  
(7) Line (5) x Line (6)  
(8) Line (2) + Line (5)  
(9) [RMS/MJP-5 Revised, pg 2, Line (25)] ÷ 12  
(10) Sum[Lines (4), (7), (9)]  
(12) Line (8)  
(13) RMS/MJP-1 Revised, pg 1, Line (2)  
(14) Line (12) x Line (13)  
(15) Line (14)  
(16) Line (10) + Line (15)

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Working Capital Estimate**

Description (a)	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Apr-21 (g)	May-21 (h)	Jun-21 (i)	Jul-21 (j)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Total (n)
(1) Fixed Costs	\$5,841,318	\$9,829,495	\$9,826,825	\$10,035,301	\$10,035,301	\$5,731,961	\$5,731,961	\$5,731,961	\$5,731,961	\$5,731,961	\$5,731,961	\$5,731,961	\$85,691,969
(2) Capacity Release Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3) Less System Pressure to DAC	(\$21,256)	(\$2,094,969)	(\$2,094,969)	(\$2,094,969)	(\$2,094,969)	(\$21,256)	(\$21,256)	(\$21,256)	(\$21,256)	(\$21,256)	(\$21,256)	(\$21,256)	(\$8,549,925)
(4) Less: Credits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5) Plus: Supply Related LNG O&M Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(6) Allowable Working Capital Costs	\$5,820,062	\$7,734,525	\$7,731,856	\$7,940,332	\$7,940,332	\$5,710,705	\$5,710,705	\$5,710,705	\$5,710,705	\$5,710,705	\$5,710,705	\$5,710,705	\$77,142,044
(7) Number of Days Lag	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(8) Working Capital Requirement	\$524,922	\$697,591	\$697,350	\$716,153	\$716,153	\$515,059	\$515,059	\$515,059	\$515,059	\$515,059	\$515,059	\$515,059	\$515,059
(9) Weighted Average Cost of Capital	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(10) Return on Working Capital Requirement	\$37,427	\$49,738	\$49,721	\$51,062	\$51,062	\$36,724	\$36,724	\$36,724	\$36,724	\$36,724	\$36,724	\$36,724	\$36,724
(11) Cost of Debt (Long Term Debt + Short Term Debt)	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
(12) Interest Expense	\$12,598	\$16,742	\$16,736	\$17,188	\$17,188	\$12,361	\$12,361	\$12,361	\$12,361	\$12,361	\$12,361	\$12,361	\$12,361
(13) Taxable Income	\$24,829	\$32,996	\$32,985	\$33,874	\$33,874	\$24,362	\$24,362	\$24,362	\$24,362	\$24,362	\$24,362	\$24,362	\$24,362
(14) 1 - Combined Tax Rate	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(15) Return and Tax Requirement	\$31,429	\$41,767	\$41,753	\$42,879	\$42,879	\$30,838	\$30,838	\$30,838	\$30,838	\$30,838	\$30,838	\$30,838	\$30,838
(16) Fixed Working Capital Requirement	\$44,027	\$58,509	\$58,489	\$60,066	\$60,066	\$43,200	\$43,200	\$43,200	\$43,200	\$43,200	\$43,200	\$43,200	\$583,556
(17) Variable Costs	\$6,639,143	\$11,508,564	\$15,004,056	\$12,961,499	\$10,448,208	\$5,222,883	\$2,574,775	\$1,617,046	\$1,302,679	\$1,344,373	\$1,450,804	\$3,278,250	\$73,352,280
(18) Less: Non-firm Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(19) Less: Supply Refunds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(20) Less: Bal Related Syst. Pressure Commodity to DAC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(21) Plus: Supply Related LNG O&M Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(22) Allowable Working Capital Costs	\$6,639,143	\$11,508,564	\$15,004,056	\$12,961,499	\$10,448,208	\$5,222,883	\$2,574,775	\$1,617,046	\$1,302,679	\$1,344,373	\$1,450,804	\$3,278,250	\$73,352,280
(23) Number of Days Lag	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(24) Working Capital Requirement	\$598,796	\$1,037,978	\$1,353,243	\$1,169,021	\$942,343	\$471,061	\$232,224	\$145,844	\$117,491	\$121,251	\$130,851	\$295,671	\$295,671
(25) Weighted Average Cost of Capital	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(26) Return on Working Capital Requirement	\$42,694	\$74,008	\$96,486	\$83,351	\$67,189	\$33,587	\$16,558	\$10,399	\$8,377	\$8,645	\$9,330	\$21,081	\$21,081
(27) Cost of Debt (Long Term Debt + Short Term Debt)	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
(28) Interest Expense	\$14,371	\$24,911	\$32,478	\$28,056	\$22,616	\$11,305	\$5,573	\$3,500	\$2,820	\$2,910	\$3,140	\$7,096	\$7,096
(29) Taxable Income	\$28,323	\$49,096	\$64,008	\$55,295	\$44,573	\$22,281	\$10,984	\$6,898	\$5,557	\$5,735	\$6,189	\$13,985	\$13,985
(30) 1 - Combined Tax Rate	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(31) Return and Tax Requirement	\$35,852	\$62,147	\$81,023	\$69,993	\$56,421	\$28,204	\$13,904	\$8,732	\$7,035	\$7,260	\$7,834	\$17,703	\$17,703
(32) Variable Working Capital Requirement	\$50,223	\$87,059	\$113,501	\$98,050	\$79,037	\$39,510	\$19,477	\$12,232	\$9,854	\$10,170	\$10,975	\$24,799	\$554,887
(1) RMS/MJP-1 Revised, Pg 2, Line (1)													
(3) GSP-1 Revised, Pg 12													
(6) Sum[Lines (1)-(5)]													
(7) Dkt-4770													
(8) [Line (6) x Line (7)] = 365													
(9) Dkt-4955													
(10) Line (8) x Line (9)													
(11) Dkt-4955													
(12) Line (8) x Line (11)													
(13) Line (10) - Line (12)													
(14) Tax Law effective Jan 1, 2018													
(15) Line (13) + Line (14)													
(16) Line (12) + Line (17)													
(17) Dkt-4770													
(18) [Line (6) x Line (7)] = 365													
(19) Dkt-4955													
(20) RMS/MJP-1 Revised, Pg 3, Line (2) + 12													
(22) Sum[Lines (17):(21)]													
(23) Dkt 4770													
(24) [Line (22) x Line (23)] = 365													
(25) Dkt 4955													
(26) Line (24) x Line (25)													
(27) Dkt 4955													
(28) Line (24) x Line (27)													
(29) Line (26) - Line (28)													
(30) Tax Law effective Jan 1, 2018													
(31) Line (29) + Line (30)													
(32) Line (28) + Line (31)													

REDACTED

Storage Fixed Cost Working Capital Calculation for FT-2 Demand Rate (see RMS/MJP-5, pg 2)

Description (a)	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Apr-21 (g)	May-21 (h)	Jun-21 (i)	Jul-21 (i)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Total (n)
(33) Storage Fixed Costs	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(34) Less: System Pressure to DAC	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(35) Less: Credits	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
(36) Plus: Supply Related LNG O&M Costs	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(37) Allowable Working Capital Costs													
(38) Number of Days Lag	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(39) Working Capital Requirement	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(40) Weighted Average Cost of Capital	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
(41) Return on Working Capital Requirement	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(42) Cost of Debt (Long Term Debt + Short Term Debt)													
(43) Interest Expense													
(44) Taxable Income													
(45) 1 - Combined Tax Rate													
(46) Return and Tax Requirement													
(47) Storage Fixed Working Capital Requirement													\$165,255

- (33) RMS/MJP-1 Revised, pg 6, Line (78)
- (34) Line (3)
- (37) Sum[Lines (33) - (36)]
- (38) Dkt 4770
- (39) [Line (37) x Line (38)] ÷ 365
- (40) Dkt 4955
- (41) Line (39) x Line (40)
- (42) Dkt 4955
- (43) Line (39) x Line (42)
- (44) Line (41) - Line (43)
- (45) Tax Law effective Jan 1, 2018
- (46) Line (44) ÷ Line (45)
- (47) Line (43) + Line (46)

REDACTED

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Inventory Finance Estimate**

Description (a)	Source (b)	Nov-20 (c)	Dec-20 (d)	Jan-21 (e)	Feb-21 (f)	Mar-21 (g)	Apr-21 (h)	May-21 (i)	Jun-21 (j)	Jul-21 (k)	Aug-21 (l)	Sep-21 (m)	Oct-21 (n)	Total (o)
(1) Storage Inventory Balance	GSP-1 Revised	\$8,827,525	\$7,092,549	\$4,829,125	\$2,825,192	\$1,228,112	\$1,492,221	\$2,999,637	\$4,347,947	\$5,351,214	\$7,044,297	\$8,597,739	\$10,150,092	\$88,827,525
(2) Hedging		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3) Subtotal	(1) + (2)	\$8,827,525	\$7,092,549	\$4,829,125	\$2,825,192	\$1,228,112	\$1,492,221	\$2,999,637	\$4,347,947	\$5,351,214	\$7,044,297	\$8,597,739	\$10,150,092	\$88,827,525
(4) Weighted Average Cost of Capital	Dkt.4955	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(5) Return on Working Capital Requirement	(3) x (4)	\$629,403	\$505,699	\$344,317	\$201,436	\$87,564	\$106,395	\$213,874	\$310,009	\$381,542	\$502,258	\$613,019	\$723,702	\$4,619,217
(6) Cost of Debt (LTD + STD)*	Dkt.4955	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%
(7) Interest Charges Financed	(3) x (6)	\$211,861	\$170,221	\$115,899	\$67,805	\$29,475	\$35,813	\$71,991	\$104,351	\$128,429	\$169,063	\$206,346	\$243,602	\$1,554,856
(8) Taxable Income	(5) - (7)	\$417,542	\$335,478	\$228,418	\$133,632	\$58,090	\$70,582	\$141,883	\$205,658	\$253,112	\$333,195	\$406,673	\$480,099	\$480,099
(9) 1 - Combined Tax Rate		0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(10) Return and Tax Requirement	(8) ÷ (9)	\$528,534	\$424,655	\$289,136	\$169,154	\$73,531	\$89,344	\$179,599	\$260,326	\$320,395	\$421,766	\$514,776	\$607,721	\$3,878,938
(11) Working Capital Requirement	(7) + (10)	\$740,395	\$594,876	\$405,035	\$236,958	\$103,006	\$125,158	\$251,590	\$364,677	\$448,825	\$590,829	\$721,122	\$851,323	\$5,433,794
(12) Storage-Related Inventory Costs	(11) ÷ 12	\$61,700	\$49,573	\$33,753	\$19,747	\$8,584	\$10,430	\$20,966	\$30,390	\$37,402	\$49,236	\$60,093	\$70,944	\$452,816
(13) LNG Inventory Balance	GSP-1 Revised													
(14) Weighted Average Cost of Capital	Dkt.4955	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%	7.13%
(15) Return on Working Capital Requirement	(13) x (14)													\$2,442,297
(16) Cost of Debt (LTD + STD)*	Dkt.4955	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	2.40%	\$822,091
(17) Interest Charges Financed	(13) x (16)													
(18) Taxable Income	(15) - (17)													
(19) 1 - Combined Tax Rate		0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900	0.7900
(20) Return and Tax Requirement	(18) ÷ (19)													\$2,050,893
(21) Working Capital Requirement	(17) + (20)													\$2,872,984
(22) LNG-Related Inventory Costs	(21) ÷ 12													\$239,415
(23) Total Inventory Financing Costs	(12) + (22)													\$692,232

\*LTD: Long Term Debt

\*STD: Short Term Debt

REDACTED

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Forecasted Throughput (Dth)**

Rate Class (a)	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Apr-21 (g)	May-21 (h)	Jun-21 (i)	Jul-21 (j)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Nov-Oct (n)
<b>SALES</b>													
(1) Residential Non-Heating	22,647	37,576	49,643	55,213	41,396	33,754	14,313	16,613	13,587	12,979	13,211	16,397	327,328
(2) Residential Heating	1,425,252	2,561,188	3,457,951	3,868,527	2,854,494	2,285,288	835,249	586,155	460,711	440,051	454,182	613,380	19,842,428
(3) Small C&I	135,705	299,060	449,122	511,867	365,377	303,165	112,463	65,607	45,108	41,941	43,562	44,282	2,417,258
(4) Medium C&I	234,216	414,187	561,520	640,565	475,154	417,765	199,957	154,905	111,312	104,083	106,527	127,820	3,548,011
(5) Large LLF	38,830	81,885	117,530	133,490	105,688	93,661	38,763	18,824	10,355	8,869	8,737	13,504	670,135
(6) Large HLF	17,111	22,615	27,851	28,316	24,866	24,920	18,887	16,837	12,948	13,104	15,532	14,568	237,554
(7) Extra Large LLF	6,233	11,276	13,938	15,810	13,569	11,967	4,949	2,352	773	534	559	2,573	84,532
(8) Extra Large HLF	7,422	10,775	6,298	5,501	3,905	4,257	5,485	6,906	5,731	8,464	8,880	7,454	81,078
(9) <b>Total Sales</b>	1,887,416	3,438,561	4,683,852	5,259,288	3,884,449	3,174,777	1,230,065	868,199	660,525	630,025	651,190	839,977	27,208,322
<b>TRANSPORTATION</b>													
(10) FT- Small	9,120	20,201	28,619	32,911	20,674	17,753	7,285	4,842	3,134	2,653	1,497	4,893	153,583
(11) FT- Medium	196,001	313,294	399,649	443,397	335,834	283,393	142,911	107,219	80,798	75,473	76,980	104,444	2,559,393
(12) FT- Large LLF	193,006	306,989	383,975	413,276	318,773	245,458	106,342	58,556	37,131	35,819	37,113	77,787	2,214,226
(13) FT- Large HLF	72,490	96,408	110,317	115,400	95,865	83,710	69,666	65,005	58,363	59,837	64,050	64,524	955,636
(14) FT- Extra Large LLF	141,680	174,265	202,078	201,175	178,043	113,963	53,092	28,895	23,422	20,969	26,864	69,904	1,234,349
(15) FT- Extra Large HLF	424,785	481,420	528,032	526,088	506,299	456,528	405,563	407,508	393,483	401,279	387,120	404,615	5,322,721
(16) <b>Total FT Transportation</b>	1,037,081	1,392,578	1,652,672	1,732,248	1,455,488	1,200,806	784,860	672,024	596,331	596,029	593,625	726,167	12,439,908
<b>Total THROUGHPUT</b>													
(17) Residential Non-Heating	22,647	37,576	49,643	55,213	41,396	33,754	14,313	16,613	13,587	12,979	13,211	16,397	327,328
(18) Residential Heating	1,425,252	2,561,188	3,457,951	3,868,527	2,854,494	2,285,288	835,249	586,155	460,711	440,051	454,182	613,380	19,842,428
(19) Small C&I	144,825	319,261	477,741	544,777	386,051	320,918	119,748	70,449	48,243	44,594	45,059	49,175	2,570,841
(20) Medium C&I	430,217	727,481	961,169	1,083,961	810,988	701,158	342,868	262,123	192,110	179,556	183,508	232,264	6,107,404
(21) Large LLF	231,836	388,874	501,505	546,767	424,461	339,119	145,105	77,380	47,486	44,688	45,850	91,291	2,884,361
(22) Large HLF	89,601	119,023	138,168	143,717	120,731	108,630	88,553	81,843	71,311	72,940	79,582	79,091	1,193,189
(23) Extra Large LLF	147,912	185,541	216,016	216,984	191,612	125,930	58,041	31,247	24,195	21,503	27,423	72,477	1,318,881
(24) Extra Large HLF	432,208	492,195	534,330	531,589	510,204	460,785	411,048	414,414	399,214	409,743	396,000	412,069	5,403,799
(25) <b>Total Throughput</b>	2,924,497	4,831,139	6,336,523	6,991,535	5,339,937	4,375,583	2,014,924	1,540,223	1,256,856	1,226,054	1,244,814	1,566,144	39,648,231

Source: Attachment TEP-1

REDACTED

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Design Winter Period and Design Day Throughput (Dth)**

	<u>Rate Class</u> (a)	<u>Reference</u>	<u>Line #</u>	<u>Nov-20</u> (b)	<u>Dec-20</u> (c)	<u>Jan-21</u> (d)	<u>Feb-21</u> (e)	<u>Mar-21</u> (f)	<u>Total</u> (g)	<u>%</u> (h)
<b>SALES (dth)</b>										
(1)	Residential Non-Heating	MJP/AEL-1, pg 16	Line (70)	23,931	41,489	55,558	62,154	42,084	225,216	1.06%
(2)	Residential Heating	MJP/AEL-1, pg 16	Line (71)	1,555,775	2,901,805	3,947,793	4,428,332	2,913,481	15,747,186	74.05%
(3)	Small C&I	MJP/AEL-1, pg 16	Line (72)	148,064	340,337	515,238	588,433	373,282	1,965,354	9.24%
(4)	Medium C&I	MJP/AEL-1, pg 16	Line (74)	251,370	463,664	635,459	728,256	484,174	2,562,924	12.05%
(5)	Large LLF	MJP/AEL-1, pg 16	Line (76)	42,773	93,612	135,173	153,771	108,056	533,385	2.51%
(6)	Large HLF	MJP/AEL-1, pg 16	Line (78)	17,582	24,007	30,109	30,790	25,133	127,622	0.60%
(7)	Extra Large LLF	MJP/AEL-1, pg 16	Line (80)	6,979	12,999	16,110	18,286	13,887	68,260	0.32%
(8)	Extra Large HLF	MJP/AEL-1, pg 16	Line (82)	7,422	11,261	6,298	5,501	3,905	34,387	0.16%
(9)	Total Sales	Sum[(1):(8)]		2,053,896	3,889,175	5,341,738	6,015,523	3,964,002	21,264,334	100.00%
(10)	Low Load Factor	Sum[(2)-(5),(7)]		2,004,960	3,812,419	5,249,773	5,917,078	3,892,880	20,877,109	98.18%
(11)	High Load Factor	Sum[(1),(6),(8)]		48,936	76,757	91,964	98,445	71,123	387,225	1.82%

212,822 Dktherm  
42,721 Dktherm  
[REDACTED] Dktherm  
[REDACTED] Dktherm

**2020/2021 Design Day Send Out**

- (12) Pipeline
  - (13) Underground Storage
  - (14) LNG
  - (15) Total Projected 2020/2021 Design Day
- (1) Column (h): [Line (1), Col (g)]-[Line (9), Col (g)]  
(2) Column (h): [Line (2), Col (g)]-[Line (9), Col (g)]  
(3) Column (h): [Line (3), Col (g)]-[Line (9), Col (g)]  
(4) Column (h): [Line (4), Col (g)]-[Line (9), Col (g)]  
(5) Column (h): [Line (5), Col (g)]-[Line (9), Col (g)]  
(6) Column (h): [Line (6), Col (g)]-[Line (9), Col (g)]  
(7) Column (h): [Line (7), Col (g)]-[Line (9), Col (g)]  
(8) Column (h): [Line (8), Col (g)]-[Line (9), Col (g)]  
(10) Column (h): [Line (10), Col (g)]-[Line (9), Col (g)]  
(11) Column (h): [Line (11), Col (g)]-[Line (9), Col (g)]

REDACTED

**Derivation of Monthly Design Sales  
Normal Volumes (Dth)**

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-Oct
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(1) Residential Non-Heating	22,647	37,576	49,643	55,213	41,396	33,754	14,313	16,613	13,587	12,979	13,211	16,397	327,328
(2) Residential Heating	1,425,252	2,561,188	3,457,951	3,868,527	2,854,494	2,285,288	835,249	586,155	460,711	440,051	454,182	613,380	19,842,428
(3) Small C&I	135,705	299,060	449,122	511,867	365,377	303,165	112,463	65,607	45,108	41,941	43,562	44,282	2,417,258
(4) Small Transport	9,120	20,201	28,619	32,911	20,674	17,753	7,285	4,842	3,134	2,653	1,497	4,893	153,583
(5) Medium C&I	234,216	414,187	561,520	640,565	475,154	417,765	199,957	154,905	111,312	104,083	106,527	127,820	3,548,011
(6) Med Transport	196,001	313,294	399,649	443,397	335,834	283,393	142,911	107,219	80,798	75,473	76,980	104,444	2,559,393
(7) Large Low Load	38,830	81,885	117,530	133,490	105,688	93,661	38,763	18,824	10,355	8,869	8,737	13,504	670,135
(8) Large Low Load- Transport	193,006	306,989	383,975	413,276	318,773	245,458	106,342	58,556	37,131	35,819	37,113	77,787	2,214,226
(9) Large High Load	17,111	22,615	27,851	28,316	24,866	24,920	18,887	16,887	12,948	13,104	15,532	14,568	237,554
(10) Large High Load- Transport	72,490	96,408	110,317	115,400	95,865	83,710	69,666	65,005	58,363	59,837	64,050	64,524	955,636
(11) XL Low Load	6,233	11,276	13,938	15,810	13,569	11,967	4,949	2,352	773	534	559	2,573	84,532
(12) XL Low Load-Transport	141,680	174,265	202,078	201,175	178,043	113,963	53,092	28,895	23,422	20,969	26,864	69,904	1,234,349
(13) XL High Load	7,422	10,775	6,298	5,501	3,905	4,257	5,485	6,906	5,731	8,464	8,880	7,454	81,078
(14) XL High Load-Transport	424,785	481,420	528,032	526,088	506,299	456,528	405,563	407,508	393,483	401,279	387,120	404,615	5,322,721
(15) Total	2,924,497	4,831,139	6,336,523	6,991,535	5,339,937	4,375,583	2,014,924	1,540,223	1,256,856	1,226,054	1,244,814	1,566,144	39,648,231
(16) HLF	544,455	648,794	722,141	730,519	672,331	603,169	513,914	512,869	484,112	495,662	488,793	507,557	6,924,316
(17) LLF	2,380,042	4,182,345	5,614,382	6,261,017	4,667,606	3,772,414	1,501,011	1,027,354	772,745	730,392	756,022	1,058,586	32,723,914
<b>BaseLoad</b>													
(18) Residential Non-Heating	12,971	13,403	13,403	12,538	13,403	12,971	13,403	12,971	13,403	12,979	12,971	13,403	157,817
(19) Residential Heating	441,830	456,557	456,557	427,102	456,557	441,830	456,557	441,830	456,557	440,051	441,830	456,557	5,373,816
(20) Small C&I	42,591	44,010	44,010	41,171	44,010	42,591	44,010	42,591	44,010	41,941	42,591	44,010	517,537
(21) Small Transport	2,375	2,454	2,454	2,296	2,454	2,375	2,454	2,375	2,454	2,454	1,497	2,454	28,099
(22) Medium C&I	104,975	108,474	108,474	101,475	108,474	104,975	108,474	104,975	108,474	104,083	104,975	108,474	1,276,298
(23) Med Transport	76,060	78,596	78,596	73,525	78,596	76,060	78,596	76,060	78,596	75,473	76,060	78,596	924,813
(24) Large Low Load	9,118	9,422	9,422	8,814	9,422	9,118	9,422	9,118	9,422	8,869	8,737	9,422	110,304
(25) Large Low Load- Transport	35,890	37,086	37,086	34,694	37,086	35,890	37,086	35,890	37,086	35,819	35,890	37,086	436,592
(26) Large High Load	13,560	14,012	14,012	13,108	14,012	13,560	14,012	13,560	12,948	13,104	13,560	14,012	163,458
(27) Large High Load- Transport	59,429	61,410	61,410	57,448	61,410	59,429	61,410	59,429	58,363	59,837	59,429	61,410	720,414
(28) XL Low Load	609	629	629	588	629	609	629	609	629	534	559	629	7,281
(29) XL Low Load-Transport	23,235	24,010	24,010	22,461	24,010	23,235	24,010	23,235	23,422	20,969	23,235	24,010	279,841
(30) XL High Load	7,422	7,775	6,298	5,501	3,905	4,257	5,485	6,906	5,731	7,775	7,524	7,454	76,034
(31) XL High Load-Transport	385,396	398,243	398,243	372,550	398,243	385,396	398,243	385,396	393,483	398,243	385,396	398,243	4,697,077
(32) Total	1,215,460	1,256,081	1,254,603	1,173,271	1,252,211	1,212,295	1,253,791	1,214,944	1,244,578	1,222,131	1,214,254	1,255,760	14,769,380
(33) HLF	478,778	494,843	493,365	461,145	490,973	475,613	492,553	478,262	483,928	491,937	478,880	494,522	5,814,801
(34) LLF	736,682	761,238	761,238	712,126	761,238	736,682	761,238	736,682	760,650	730,194	735,374	761,238	8,954,580



Derivation of Monthly Design Sales

Heat Volumes

	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Apr-21 (g)	May-21 (h)	Jun-21 (i)	Jul-21 (j)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Nov-Oct (n)
(35) Residential Non-Heating	9,676	24,173	36,240	42,674	27,993	20,783	910	3,642	184	0	240	2,994	169,511
(36) Residential Heating	983,422	2,104,630	3,001,394	3,441,425	2,397,937	1,843,458	378,692	144,325	4,154	0	12,352	156,823	14,468,612
(37) Small C&I	93,115	255,049	405,111	470,696	321,366	260,574	68,453	23,016	1,098	0	971	272	1,899,722
(38) Small Transport	6,745	17,747	26,165	30,615	18,220	15,378	4,831	2,466	680	198	0	2,438	125,483
(39) Medium C&I	129,242	305,713	453,046	539,089	366,681	312,791	91,483	49,930	2,838	0	1,553	19,346	2,271,713
(40) Med Transport	119,940	234,698	321,054	369,872	257,238	207,333	64,316	31,158	2,203	0	920	25,848	1,634,580
(41) Large Low Load	29,712	72,463	108,108	124,676	96,266	84,543	29,341	9,706	933	0	0	4,082	559,831
(42) Large Low Load- Transport	157,116	269,903	346,889	378,583	281,687	209,568	69,256	22,666	44	0	1,223	40,701	1,777,634
(43) Large High Load	3,551	8,603	13,839	15,208	10,854	11,360	4,875	3,278	0	0	1,972	556	74,095
(44) Large High Load- Transport	13,061	34,998	48,907	57,952	34,455	24,281	8,256	5,576	0	0	4,621	3,114	235,221
(45) XL Low Load	5,624	10,647	13,309	15,221	12,940	11,359	4,320	1,743	144	0	1,744	1,944	77,251
(46) XL Low Load-Transport	118,444	150,256	178,069	178,714	154,033	90,728	29,082	5,660	0	0	3,629	45,894	954,509
(47) XL High Load	0	3,000	0	0	0	0	0	0	0	689	1,355	0	5,044
(48) XL High Load-Transport	39,389	83,177	129,789	153,538	108,056	71,132	7,320	22,112	0	3,036	1,724	6,372	625,644
(49) Total	1,709,037	3,575,058	5,081,920	5,818,264	4,087,725	3,163,288	761,134	325,279	12,278	3,923	30,560	310,384	24,878,850
(50) HLF	65,677	153,951	228,776	269,373	181,358	127,556	21,361	34,607	184	3,725	9,912	13,036	1,109,516
(51) LLF	1,643,360	3,421,107	4,853,144	5,548,891	3,906,368	3,035,732	739,773	290,672	12,094	198	20,648	297,348	23,769,334
<b>(52) Normal Billing DD</b>	<b>437</b>	<b>760</b>	<b>1011</b>	<b>1125</b>	<b>935</b>	<b>673</b>	<b>262</b>	<b>131</b>	<b>19</b>	<b>0</b>	<b>13</b>	<b>156</b>	<b>5522</b>

Heat Factors

	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Apr-21 (g)	May-21 (h)	Jun-21 (i)	Jul-21 (j)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Nov-Oct (n)
(53) Residential Non-Heating	22	32	36	38	30	31	3	28	10	0	18	19	31
(54) Residential Heating	2,250	2,769	2,969	3,059	2,565	2,739	1,445	1,102	219	0	950	1,005	2,620
(55) Small C&I	213	336	401	418	344	387	261	176	58	0	75	2	344
(56) Small Transport	15	23	26	27	19	23	18	19	36	0	0	16	23
(57) Medium C&I	296	402	448	479	392	465	349	381	149	0	119	124	411
(58) Med Transport	274	309	318	329	275	308	245	238	116	0	71	166	296
(59) Large Low Load	68	95	107	111	103	126	112	74	49	0	0	26	101
(60) Large Low Load- Transport	360	355	343	337	301	311	264	173	2	0	94	261	322
(61) Large High Load	8	11	14	14	12	17	19	25	0	0	152	4	13
(62) Large High Load- Transport	30	46	48	52	37	36	32	43	0	0	355	20	43
(63) XL Low Load	13	14	13	14	14	17	16	13	8	0	0	12	14
(64) XL Low Load-Transport	271	198	176	159	165	135	111	43	0	0	279	294	173
(65) XL High Load	0	4	0	0	0	0	0	0	0	0	104	0	1
(66) XL High Load-Transport	90	109	128	136	116	106	28	169	0	0	133	41	113
(67) Total	3,911	4,704	5,027	5,172	4,372	4,700	2,905	2,483	646	0	2,351	1,990	4,505
<b>(68) Normal Billing DD</b>	<b>437</b>	<b>760</b>	<b>1011</b>	<b>1125</b>	<b>935</b>	<b>673</b>	<b>262</b>	<b>131</b>	<b>19</b>	<b>0</b>	<b>13</b>	<b>156</b>	<b>5522</b>
<b>(69) Design Billing DD</b>	<b>495</b>	<b>883</b>	<b>1176</b>	<b>1308</b>	<b>958</b>	<b>771</b>	<b>292</b>	<b>154</b>	<b>27</b>	<b>0</b>	<b>9</b>	<b>177</b>	<b>6250</b>

Derivation of Monthly Design Sales

Design Sales

	Nov-18 (b)	Dec-18 (c)	Jan-19 (d)	Feb-19 (e)	Mar-19 (f)	Apr-19 (g)	May-19 (h)	Jun-19 (i)	Jul-19 (j)	Aug-19 (k)	Sep-19 (l)	Oct-19 (m)	Nov-Oct
(70) Residential Non-Heating	23,931	41,489	55,558	62,154	42,084	36,780	14,417	17,252	13,403	12,979	13,137	16,800	349,984
(71) Residential Heating	1,555,775	2,901,805	3,947,793	4,428,332	2,913,481	2,553,726	878,611	611,495	456,557	440,051	450,381	634,491	21,772,498
(72) Small C&I	148,064	340,337	515,238	588,433	373,282	341,109	120,301	69,648	44,010	41,941	43,263	44,319	2,669,945
(73) Small Transport	10,015	23,073	32,889	37,891	21,122	19,993	7,838	5,275	2,454	2,454	1,497	5,221	169,724
(74) Medium C&I	251,370	463,664	635,459	728,256	484,174	463,313	210,432	163,671	108,474	104,083	106,050	130,424	3,849,370
(75) Med Transport	211,919	351,278	452,047	503,563	342,162	313,584	150,276	112,689	78,596	75,473	76,697	107,923	2,776,207
(76) Large Low Load	42,773	93,612	135,173	153,771	108,056	105,972	42,123	20,528	9,422	8,869	8,737	14,053	743,089
(77) Large Low Load- Transport	213,859	350,671	440,589	474,859	325,702	275,975	114,272	62,535	37,086	35,819	36,737	83,266	2,451,371
(78) Large High Load	17,582	24,007	30,109	30,790	25,133	26,574	19,445	17,413	12,948	13,104	14,925	14,642	246,673
(79) Large High Load- Transport	74,223	102,072	118,299	124,827	96,713	87,246	70,612	65,984	58,363	59,837	62,628	64,943	985,747
(80) XL Low Load	6,979	12,999	16,110	18,286	13,887	13,621	5,444	2,658	629	534	559	2,835	94,540
(81) XL Low Load-Transport	157,400	198,583	231,140	230,246	181,832	127,174	56,422	29,889	23,422	20,969	25,747	76,082	1,358,906
(82) XL High Load	7,422	11,261	6,298	5,501	3,905	4,257	5,485	6,906	5,731	7,775	8,463	7,454	80,458
(83) XL High Load-Transport	430,013	494,881	549,215	551,064	508,957	466,886	406,401	411,390	393,483	398,243	386,590	405,473	5,402,597
(84) Total	3,151,326	5,409,734	7,165,917	7,937,973	5,440,490	4,836,210	2,102,077	1,597,333	1,244,578	1,222,131	1,235,411	1,607,926	42,951,107
(85) HLF	553,172	673,710	759,478	774,337	676,792	621,743	516,360	518,945	483,928	491,937	485,743	509,312	7,065,458
(86) LLF	2,598,154	4,736,024	6,406,439	7,163,636	4,763,698	4,214,467	1,585,717	1,078,388	760,650	730,194	749,668	1,098,614	35,885,649

Source: Attachment TEP-1

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 5066  
REVISED 2020 GAS COST RECOVERY FILING  
WITNESS: RYAN M. SCHEIB AND MICHAEL J. PINI  
SEPTEMBER 28, 2020**

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Attachment RMS/MJP-3 Revised  
Projected Gas Cost Balances



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 5066  
REVISED 2020 GAS COST RECOVERY FILING  
WITNESS: RYAN M. SCHEIB AND MICHAEL J. PINI  
SEPTEMBER 28, 2020**

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Attachment RMS/MJP-4 Revised  
Bill Impact Analysis  
Includes the proposed GCR And DAC Factors

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Bill Impact Analysis with Various Levels of Consumption**

**Residential Heating:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:							
							Base DAC	ISR	EE	LIHEAP	GET			
(1)														
(2)														
(3)														
(4)														
(5)	548	\$962.72	\$898.59	\$64.13	7.1%	\$24.94	\$37.27	\$0.00	\$0.00	\$0.00	\$0.00	\$1.92	\$0.00	\$1.92
(6)	608	\$1,048.10	\$976.93	\$71.16	7.3%	\$27.68	\$41.35	\$0.00	\$0.00	\$0.00	\$0.00	\$2.13	\$0.00	\$2.13
(7)	667	\$1,132.09	\$1,054.01	\$78.08	7.4%	\$30.39	\$45.35	\$0.00	\$0.00	\$0.00	\$0.00	\$2.34	\$0.00	\$2.34
(8)	726	\$1,216.07	\$1,131.08	\$84.99	7.5%	\$33.06	\$49.38	\$0.00	\$0.00	\$0.00	\$0.00	\$2.55	\$0.00	\$2.55
(9)	785	\$1,299.91	\$1,208.04	\$91.87	7.6%	\$35.73	\$53.38	\$0.00	\$0.00	\$0.00	\$0.00	\$2.76	\$0.00	\$2.76
(10)	845	\$1,385.30	\$1,286.41	\$98.89	7.7%	\$38.46	\$57.46	\$0.00	\$0.00	\$0.00	\$0.00	\$2.97	\$0.00	\$2.97
(11)	905	\$1,470.65	\$1,364.76	\$105.90	7.8%	\$41.18	\$61.54	\$0.00	\$0.00	\$0.00	\$0.00	\$3.18	\$0.00	\$3.18
(12)	964	\$1,554.56	\$1,441.76	\$112.79	7.8%	\$43.86	\$65.55	\$0.00	\$0.00	\$0.00	\$0.00	\$3.38	\$0.00	\$3.38
(13)	1,023	\$1,638.51	\$1,518.80	\$119.71	7.9%	\$46.57	\$69.55	\$0.00	\$0.00	\$0.00	\$0.00	\$3.59	\$0.00	\$3.59
(14)	1,082	\$1,722.48	\$1,595.86	\$126.62	7.9%	\$49.25	\$73.57	\$0.00	\$0.00	\$0.00	\$0.00	\$3.80	\$0.00	\$3.80
(15)	1,142	\$1,807.86	\$1,674.23	\$133.63	8.0%	\$51.96	\$77.66	\$0.00	\$0.00	\$0.00	\$0.00	\$4.01	\$0.00	\$4.01

**Residential Heating Low Income:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:							
							Base DAC	ISR	EE	LIHEAP	GET			
(16)														
(17)														
(18)														
(19)														
(20)	548	\$715.10	\$668.02	\$47.08	7.0%	\$24.94	(\$15.22)	\$35.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.41
(21)	608	\$778.35	\$726.12	\$52.23	7.2%	\$27.68	(\$16.89)	\$39.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.57
(22)	667	\$840.60	\$783.29	\$57.32	7.3%	\$30.39	(\$18.53)	\$43.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.72
(23)	726	\$902.84	\$840.45	\$62.40	7.4%	\$33.06	(\$20.18)	\$47.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.87
(24)	785	\$965.00	\$897.54	\$67.47	7.5%	\$35.73	(\$21.82)	\$51.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.02
(25)	845	\$1,028.25	\$955.66	\$72.60	7.6%	\$38.46	(\$23.47)	\$55.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.18
(26)	905	\$1,091.52	\$1,013.77	\$77.75	7.7%	\$41.18	(\$25.14)	\$59.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.33
(27)	964	\$1,153.69	\$1,070.88	\$82.82	7.7%	\$43.86	(\$26.78)	\$63.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.48
(28)	1,023	\$1,215.90	\$1,128.00	\$87.90	7.8%	\$46.57	(\$28.42)	\$67.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.64
(29)	1,082	\$1,278.13	\$1,185.17	\$92.96	7.8%	\$49.25	(\$30.06)	\$70.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.79
(30)	1,142	\$1,341.41	\$1,243.31	\$98.10	7.9%	\$51.96	(\$31.72)	\$74.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.94

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Bill Impact Analysis with Various Levels of Consumption**

**Residential Non-Heating:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:							
							Base DAC	ISR	EE	LIHEAP	GET			
(31)														
(32)														
(33)														
(34)														
(35)	144	\$396.65	\$387.08	\$9.57	2.5%	\$5.16	\$4.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.29	\$0.31
(36)	158	\$417.37	\$406.91	\$10.46	2.6%	\$5.66	\$4.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.34	\$0.34
(37)	172	\$438.16	\$426.77	\$11.39	2.7%	\$6.14	\$4.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.37	\$0.37
(38)	189	\$463.31	\$450.85	\$12.46	2.8%	\$6.72	\$5.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.40	\$0.40
(39)	202	\$482.63	\$469.28	\$13.35	2.8%	\$7.20	\$5.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.44	\$0.44
(40)	220	\$509.29	\$494.73	\$14.56	2.9%	\$7.84	\$6.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.47	\$0.47
(41)	238	\$535.96	\$520.26	\$15.70	3.0%	\$8.47	\$6.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.50
(42)	251	\$555.28	\$538.71	\$16.57	3.1%	\$8.94	\$7.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.53	\$0.53
(43)	268	\$580.48	\$562.72	\$17.76	3.2%	\$9.57	\$7.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.56	\$0.56
(44)	282	\$601.25	\$582.58	\$18.67	3.2%	\$10.06	\$8.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.59	\$0.59
(45)	297	\$623.50	\$603.84	\$19.66	3.3%	\$10.59	\$8.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		

**Residential Non-Heating Low Income:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:							
							Base DAC	ISR	EE	LIHEAP	GET			
(46)														
(47)														
(48)														
(49)														
(50)	144	\$295.65	\$288.76	\$6.88	2.4%	\$5.16	(\$2.22)	\$3.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.21	\$0.23
(51)	158	\$311.03	\$303.49	\$7.55	2.5%	\$5.66	(\$2.44)	\$4.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.25	\$0.27
(52)	172	\$326.42	\$318.22	\$8.20	2.6%	\$6.14	(\$2.65)	\$4.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.29	\$0.32
(53)	189	\$345.10	\$336.09	\$9.02	2.7%	\$6.72	(\$2.92)	\$4.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.34	\$0.36
(54)	202	\$359.42	\$349.77	\$9.65	2.8%	\$7.20	(\$3.12)	\$5.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.38	\$0.40
(55)	220	\$379.19	\$368.68	\$10.52	2.9%	\$7.84	(\$3.40)	\$5.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.43	\$0.43
(56)	238	\$398.97	\$387.61	\$11.36	2.9%	\$8.47	(\$3.67)	\$6.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.44	\$0.44
(57)	251	\$413.28	\$401.31	\$11.97	3.0%	\$8.94	(\$3.87)	\$6.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.47	\$0.47
(58)	268	\$431.96	\$419.15	\$12.81	3.1%	\$9.57	(\$4.14)	\$7.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.50
(59)	282	\$447.35	\$433.90	\$13.45	3.1%	\$10.06	(\$4.35)	\$7.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.53	\$0.53
(60)	297	\$463.85	\$449.67	\$14.18	3.2%	\$10.59	(\$4.59)	\$7.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.56	\$0.56

National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Bill Impact Analysis with Various Levels of Consumption

**C & I Small:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:							
						GCR	Base DAC	ISR	EE	LIHEAP	GET		
(61)													
(62)													
(63)													
(64)													
(65)	830	\$1,413.64	\$1,315.68	\$97.96	7.4%	\$37.77	\$57.25	\$0.00	\$0.00	\$0.00	\$0.00	\$2.94	
(66)	919	\$1,530.93	\$1,422.43	\$108.49	7.6%	\$41.84	\$63.40	\$0.00	\$0.00	\$0.00	\$0.00	\$3.25	
(67)	1,010	\$1,650.96	\$1,531.73	\$119.23	7.8%	\$45.96	\$69.69	\$0.00	\$0.00	\$0.00	\$0.00	\$3.58	
(68)	1,099	\$1,768.26	\$1,638.54	\$129.72	7.9%	\$50.00	\$75.83	\$0.00	\$0.00	\$0.00	\$0.00	\$3.89	
(69)	1,187	\$1,884.40	\$1,744.24	\$140.16	8.0%	\$54.04	\$81.92	\$0.00	\$0.00	\$0.00	\$0.00	\$4.20	
(70)	1,277	\$2,003.05	\$1,852.32	\$150.73	8.1%	\$58.10	\$88.11	\$0.00	\$0.00	\$0.00	\$0.00	\$4.52	
(71)	1,367	\$2,121.65	\$1,960.32	\$161.33	8.2%	\$62.18	\$94.31	\$0.00	\$0.00	\$0.00	\$0.00	\$4.84	
(72)	1,456	\$2,239.01	\$2,067.15	\$171.86	8.3%	\$66.24	\$100.46	\$0.00	\$0.00	\$0.00	\$0.00	\$5.16	
(73)	1,544	\$2,355.09	\$2,172.86	\$182.24	8.4%	\$70.24	\$106.53	\$0.00	\$0.00	\$0.00	\$0.00	\$5.47	
(74)	1,635	\$2,475.11	\$2,282.14	\$192.97	8.5%	\$74.37	\$112.81	\$0.00	\$0.00	\$0.00	\$0.00	\$5.79	
(75)	1,725	\$2,593.70	\$2,390.12	\$203.58	8.5%	\$78.47	\$119.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.11	

**C & I Medium:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:							
						GCR	Base DAC	ISR	EE	LIHEAP	GET		
(76)													
(77)													
(78)													
(79)													
(80)	6,907	\$8,949.69	\$8,076.72	\$872.97	10.8%	\$314.27	\$532.51	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	
(81)	7,650	\$9,798.39	\$8,831.51	\$966.88	10.9%	\$348.05	\$589.82	\$0.00	\$0.00	\$0.00	\$0.00	\$29.01	
(82)	8,391	\$10,644.36	\$9,583.81	\$1,060.56	11.1%	\$381.79	\$646.95	\$0.00	\$0.00	\$0.00	\$0.00	\$31.82	
(83)	9,136	\$11,495.15	\$10,340.45	\$1,154.70	11.2%	\$415.68	\$704.38	\$0.00	\$0.00	\$0.00	\$0.00	\$34.64	
(84)	9,880	\$12,344.91	\$11,096.17	\$1,248.74	11.3%	\$449.54	\$761.74	\$0.00	\$0.00	\$0.00	\$0.00	\$37.46	
(85)	10,623	\$13,193.64	\$11,850.97	\$1,342.67	11.3%	\$483.33	\$819.06	\$0.00	\$0.00	\$0.00	\$0.00	\$40.28	
(86)	11,366	\$14,042.31	\$12,605.73	\$1,436.58	11.4%	\$517.16	\$876.32	\$0.00	\$0.00	\$0.00	\$0.00	\$43.10	
(87)	12,111	\$14,893.12	\$13,362.36	\$1,530.75	11.5%	\$551.05	\$933.78	\$0.00	\$0.00	\$0.00	\$0.00	\$45.92	
(88)	12,855	\$15,742.84	\$14,118.11	\$1,624.73	11.5%	\$584.87	\$991.12	\$0.00	\$0.00	\$0.00	\$0.00	\$48.74	
(89)	13,596	\$16,588.81	\$14,870.39	\$1,718.41	11.6%	\$618.62	\$1,048.24	\$0.00	\$0.00	\$0.00	\$0.00	\$51.55	
(90)	14,340	\$17,438.55	\$15,626.10	\$1,812.45	11.6%	\$652.46	\$1,105.62	\$0.00	\$0.00	\$0.00	\$0.00	\$54.37	





National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Bill Impact Analysis with Various Levels of Consumption

**C & I LLF Extra-Large:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:								
							Base DAC	DAC	ISR	EE	LIHEAP	GET			
(121)															
(122)															
(123)															
(124)															
(125)	233,835	\$212,367.69	\$194,239.43	\$18,128.26	9.3%	\$10,639.50	\$6,944.91	\$0.00	\$0.00	\$0.00	\$0.00	\$543.85	\$0.00	\$0.00	\$543.85
(126)	259,019	\$234,572.14	\$214,491.49	\$20,080.65	9.4%	\$11,785.36	\$7,692.87	\$0.00	\$0.00	\$0.00	\$0.00	\$602.42	\$0.00	\$0.00	\$602.42
(127)	284,197	\$256,771.99	\$234,739.37	\$22,032.62	9.4%	\$12,930.99	\$8,440.65	\$0.00	\$0.00	\$0.00	\$0.00	\$660.98	\$0.00	\$0.00	\$660.98
(128)	309,381	\$278,976.40	\$254,991.37	\$23,985.03	9.4%	\$14,076.85	\$9,188.63	\$0.00	\$0.00	\$0.00	\$0.00	\$719.55	\$0.00	\$0.00	\$719.55
(129)	334,562	\$301,178.56	\$275,241.39	\$25,937.16	9.4%	\$15,222.57	\$9,936.48	\$0.00	\$0.00	\$0.00	\$0.00	\$778.11	\$0.00	\$0.00	\$778.11
(130)	359,745	\$323,382.26	\$295,492.76	\$27,889.51	9.4%	\$16,368.40	\$10,684.42	\$0.00	\$0.00	\$0.00	\$0.00	\$836.69	\$0.00	\$0.00	\$836.69
(131)	384,928	\$345,585.94	\$315,744.10	\$29,841.85	9.5%	\$17,514.22	\$11,432.37	\$0.00	\$0.00	\$0.00	\$0.00	\$895.26	\$0.00	\$0.00	\$895.26
(132)	410,110	\$367,788.82	\$335,994.74	\$31,794.08	9.5%	\$18,660.00	\$12,180.26	\$0.00	\$0.00	\$0.00	\$0.00	\$953.82	\$0.00	\$0.00	\$953.82
(133)	435,293	\$389,992.57	\$356,246.12	\$33,746.45	9.5%	\$19,805.87	\$12,928.19	\$0.00	\$0.00	\$0.00	\$0.00	\$1,012.39	\$0.00	\$0.00	\$1,012.39
(134)	460,471	\$412,192.33	\$376,493.96	\$35,698.36	9.5%	\$20,951.43	\$13,675.98	\$0.00	\$0.00	\$0.00	\$0.00	\$1,070.95	\$0.00	\$0.00	\$1,070.95
(135)	485,655	\$434,396.83	\$396,746.04	\$37,650.78	9.5%	\$22,097.29	\$14,423.97	\$0.00	\$0.00	\$0.00	\$0.00	\$1,129.52	\$0.00	\$0.00	\$1,129.52

**C & I HLF Extra-Large:**

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:								
							Base DAC	DAC	ISR	EE	LIHEAP	GET			
(136)															
(137)															
(138)															
(139)															
(140)	486,528	\$384,072.97	\$348,862.38	\$35,210.59	10.1%	\$17,369.06	\$16,785.21	\$0.00	\$0.00	\$0.00	\$0.00	\$1,056.32	\$0.00	\$0.00	\$1,056.32
(141)	538,924	\$424,768.33	\$385,765.76	\$39,002.57	10.1%	\$19,239.60	\$18,592.89	\$0.00	\$0.00	\$0.00	\$0.00	\$1,170.08	\$0.00	\$0.00	\$1,170.08
(142)	591,320	\$465,462.86	\$422,668.35	\$42,794.51	10.1%	\$21,110.11	\$20,400.56	\$0.00	\$0.00	\$0.00	\$0.00	\$1,283.84	\$0.00	\$0.00	\$1,283.84
(143)	643,718	\$506,159.50	\$459,572.90	\$46,586.61	10.1%	\$22,980.75	\$22,208.26	\$0.00	\$0.00	\$0.00	\$0.00	\$1,397.60	\$0.00	\$0.00	\$1,397.60
(144)	696,109	\$546,850.53	\$496,472.33	\$50,378.20	10.1%	\$24,851.10	\$24,015.75	\$0.00	\$0.00	\$0.00	\$0.00	\$1,511.35	\$0.00	\$0.00	\$1,511.35
(145)	748,506	\$587,546.51	\$533,376.31	\$54,170.21	10.2%	\$26,721.63	\$25,823.47	\$0.00	\$0.00	\$0.00	\$0.00	\$1,625.11	\$0.00	\$0.00	\$1,625.11
(146)	800,903	\$628,242.49	\$570,280.22	\$57,962.27	10.2%	\$28,592.24	\$27,631.16	\$0.00	\$0.00	\$0.00	\$0.00	\$1,738.87	\$0.00	\$0.00	\$1,738.87
(147)	853,294	\$668,933.49	\$607,179.63	\$61,753.87	10.2%	\$30,462.60	\$29,438.65	\$0.00	\$0.00	\$0.00	\$0.00	\$1,852.62	\$0.00	\$0.00	\$1,852.62
(148)	905,692	\$709,630.19	\$644,084.24	\$65,545.95	10.2%	\$32,333.21	\$31,246.36	\$0.00	\$0.00	\$0.00	\$0.00	\$1,966.38	\$0.00	\$0.00	\$1,966.38
(149)	958,088	\$750,324.68	\$680,986.76	\$69,337.92	10.2%	\$34,203.73	\$33,054.05	\$0.00	\$0.00	\$0.00	\$0.00	\$2,080.14	\$0.00	\$0.00	\$2,080.14
(150)	1,010,485	\$791,020.62	\$717,890.68	\$73,129.94	10.2%	\$36,074.32	\$34,861.72	\$0.00	\$0.00	\$0.00	\$0.00	\$2,193.90	\$0.00	\$0.00	\$2,193.90

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 5066  
REVISED 2020 GAS COST RECOVERY FILING  
WITNESS: RYAN M. SCHEIB AND MICHAEL J. PINI  
SEPTEMBER 28, 2020**

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Attachment RMS/MJP-5 Revised  
FT-2 Demand Rate

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Summary of Marketer Transportation Factors**

<u>Item</u> (a)	<u>Reference</u> (b)	<u>Proposed</u> (c)	<u>Billing Units</u> (d)
(1) FT-2 Demand Usage (Dt) Nov 2019 - Oct 2020	Pg 2, Line (21)	\$12.3568	Dth/Mth
(2) Storage and Peaking charge for FT-1 firm transportation Customers eligible for TSS	Pg 3, Line (5)	\$0.9294	Per Dth

**National Grid - RI Gas  
Gas Cost Recovery (GCR) Filing  
Calculation of FT- 2 Demand Rate (per Dth)**

<u>Description</u> (a)	<u>Source</u>		<u>Amount</u> (d)
	<u>Reference</u> (b)	<u>Line #</u> (c)	
(1) Storage Fixed Costs	RMS/MJP-1 Revised pg 5	Line (43)	██████████
Less:			
(2) System Pressure to DAC			(\$8,549,925)
(3) Credits			\$0
(4) Refunds			\$0
(5) Total Credits	Sum [(2)-(4)]		(\$8,549,925)
Plus:			
(6) Supply Related LNG O&M Costs	RMS/MJP-1 Revised Pg 2	Line (8)	\$829,823
(7) Working Capital Requirement	RMS/MJP-1 Revised pg 10	Line (47)	\$165,255
(8) FT Demand Everett	RMS/MJP-1 Revised pg 4	Line (5)	\$1,275,360
(9) Total Additions	Sum [(6)-(8)]		\$2,270,438
(10) Total Storage Fixed Costs	(1) + (5) + (9)		██████████
Inventory Financing			
(11) Underground	RMS/MJP-1 Revised pg 11	Line (12)	\$452,816
(12) LNG	RMS/MJP-1 Revised pg 11	Line (22)	\$239,415
(13) Total Storage Fixed Costs	(10) + (11) + (12)		██████████
(14) LNG Storage MDQ (Dth)	RMS/MJP-1 Revised pg 13	Line (14)	██████████
(15) AGT	GSP-1 Revised		██████████
(16) TENN	GSP-1 Revised		██████████
(17) Total Storage MDQ	Sum [(14)-(16)]		██████████
(18) Storage MDQ X 12 Months	(17) x 12		██████████ MDCQ Dth
(19) FT- 2 Demand Rate	(13) ÷ (18)		\$12.1208 per MDCQ Dth
(20) Uncollectible %	Docket 4770		1.91%
(21) Total FT-2 Demand Rate adjusted for Uncollectibles	(19) ÷ [(1 - (20))]		\$12.3568 per MDCQ Dth
(22) MDQ-U	Mkter MDQ Forecast		4,582
(23) MDQ-P	Mkter MDQ Forecast		15,137
(24) Marketer MDQs	(22) + (23)		19,719 Dth/Mth
(25) FT-2 Storage Costs	(19) x (24) x 12 Months		<b>\$2,868,079</b>

**National Grid - RI Gas  
 Gas Cost Recovery (GCR) Filing  
 Calculation of FT-1 Storage and Peaking Charge Applied to Firm Transportation Customers Eligible for TSS**

<u>Description</u> (a)	<u>Source</u>		<u>Amount</u> (d)
	<u>Reference</u> (b)	<u>Line #</u> (c)	
(1) Total Storage Fixed Costs	Pg 2	Line (13)	[REDACTED]
(2) Usage (Dth) Nov 2020 - Oct 2021	RMS/MJP-1 Revised, pg 2	Line (16)	[REDACTED]
(3) Volumetric Rate	(1) ÷ (2)		\$0.9117
(4) Uncollectible %	Docket 4770		1.91%
(5) Volumetric Rate Including Uncollectible	(3) ÷ [1 - (4)]		\$0.9294 per dth
(6) Storage & Peaking charge applied to FT-1 customers eligible for TSS	(5) ÷ 10		\$0.0929 per therm

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.



\_\_\_\_\_  
Joanne M. Scanlon

September 28, 2020

Date

**Docket No. 5066 – National Grid – 2020 Annual Gas Cost Recovery Filing (GCR) - Service List as of 9/8/2020**

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