REDACTED VERSION

nationalgrid

Raquel J. Webster
Senior Counsel

October 9, 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 – Second Revised 2020 Gas Cost Recovery Filing

Dear Ms. Massaro:

I have enclosed 10 copies of National Grid's[1] Second Revision to its Gas Cost Recovery ("GCR") filing,[2] which the Company is submitting pursuant to the Gas Cost Recovery Clause in National Grid's gas tariff, R.I.P.U.C. NG-GAS No. 101, Section 2, Schedule A. While responding to data request DIV 4-1 in this docket, the Company discovered a calculation error related to an additional supply contract. However, this error did not impact the net gas costs presented in Attachment GSP-1 Second Revision because the misstated cost was initially included in the accumulation of gas costs but then removed from gas costs to be recovered through the System Pressure factor proposed in the Company's Distribution Adjustment Charge ("DAC") filing in Docket 5040. The Company is re-filing the GCR to detail the correct amounts in the various attachments and to update the bill impacts contained in Attachment RMS/MJP-4 Second Revision to reflect the second revised DAC factors filed in Docket 5040 concurrent with this filing.

The total cost of the supply contract in which the error occurred was initially calculated as [redacted]; however, the actual cost of this contract should have been [redacted]. This supply contract allows for a maximum daily volume of [redacted] dth/day and a total seasonal volume of [redacted] dth. When entering the supply deal characteristics into the Company's SENDOUT model, the monthly demand charge was inadvertently multiplied by [redacted] (responding to the [redacted] daily quantity). The monthly demand charge should not have been multiplied by anything. The details of this error are show below:

(a) Initial calculation: [redacted]
(b) Revised calculation:

The updated cost of this supply deal is presented in Attachment GSP-1 Second Revision, Pages 11 and 12 and Schedule RMS/MJP-2S Second Revision included in the Company's Second Revision of its DAC filing, which was also filed on October 9, 2020 in Docket No. 5040.

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[1] The Narragansett Electric Company d/b/a National Grid ("National Grid" or "Company").

[2] The Company has included all attachments of its GCR with this filing to ensure that the PUC has a complete set of the components and their associated factors comprising the GCR factors and for ease of reference.

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As explained above, since the correction of this error does not impact the net gas costs presented in this filing, the Company is not proposing to revise its proposed GCR factors included in the Revised Supplemental GCR Filing filed on September 28, 2020. However, the recalculated cost of the supply contract does impact the total amount of hourly peaking supply costs to be reallocated to the DAC filing, resulting in a change to the proposed DAC factors that are presented in the Company's Second Revision to its Supplemental DAC filing. Therefore, the Company has revised its combined Bill Impact Analysis to account for the updated DAC factors.

As seen in Attachment RMS/MJP-4 Second Revision in this filing, an average residential heating customer using 845 therms per year will experience a total bill increase of approximately $93.39, or 7.3 percent, compared to the an annual bill based on currently effective rates. This increase is comprised of an increase of $38.46 in the Revised GCR-related factors filed on September 28, 2020; an increase of $52.13 in the Second Revision of Distribution Adjustment Charge-related factors filed on October 9, 2020 in Docket No. 5040; and an increase of $2.80 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 this letter, 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.
Al Mancini, Division (w/confidential attachments, Egress Swtich)
Jerome D. Mierzwa, Division Consultant (w/confidential attachments, Egress Switch

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.

________________________________ October 9, 2020

Joanne M. Scanlon Date

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

Name/Address	E-mail	Phone
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File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk Patricia Lucarelli, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov;	401-780-2107
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STATE OF RHODE ISLAND
RHODE ISLAND PUBLIC UTILITIES COMMISSION

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

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

National Grid[1] 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 October 9, 2020, the Company filed a Second Revised Gas Cost Recovery ("GCR") filing with the PUC ("Revised Filing"). As part of this Revised Filing, the Company has included confidential gas-cost pricing information, commercial contract terms, and forecasts in the cover letter to the Revised Filing, Attachment GSP-1 Revised, Attachment RMS/MJP-1 Revised, and Attachment RMS/MJP-5 Revised. Therefore, the Company has included redacted public versions and confidential versions of the cover letter and these attachments subject to this motion for protective treatment.

[1] The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

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 the cover letter to the Revised Filing, 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 cover letter to the Revised Filing, 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,

Raquel J. Webster (Bar #9064)
National Grid
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Waltham, MA 02451
Tel. 781-907-2121
Raquel.webster@nationalgrid.com

Dated: October 9, 2020

Attachments of the Gas Supply Panel

Attachment GSP-1 Second Revision	Projected Gas Costs and Assignment of Pipeline Capacity **- CONFIDENTIAL Information**
Attachment GSP-2	NYMEX Strip Comparison & Forward Curves
Attachment GSP-3	Rule Curves
Attachment GSP-4	Customer Choice Storage Pricing
Attachment GSP-5	RFPs for PXP Phases I, II, & III
Attachment GSP-6	RFP for AMA Dawn Waddington to Zone 6 Lincoln
Attachment GSP-7	RFPs for AMA Dracut to Citygate & Dracut Supply
Attachment GSP-8	RFP for AMA Columbia Gas Transmission (“TCo”) – FSS, ST & FTS Assets

Attachment GSP-1 Second Revision

Summary of Projected Gas Costs

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National Grid Rhode Island
Gas Cost Recovery
Cost of Gas ($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	Total
Normal Weather Scenario - Sales Only													
FIXED COSTS													
Total Transportation Fixed Costs	$ 4,601.3	$ 4,915.3	$ 4,912.6	$ 5,093.1	$ 5,093.1	$ 4,779.0	$ 4,779 0	$ 4,779.0	$ 4,779 0	$ 4,779.0	$ 4,779 0	$ 4,779 0	$ 58,068.0
Total Storage Delivery Fixed Costs	$ 431.0	$ 431.0	$ 431.0	$ 445 5	$ 445.5	$ 414.7	$ 414.7	$ 414.7	$ 414.7	$ 414.7	$ 414.7	$ 414.7	$ 5,087.1
Total Storage Fixed Costs	$ 435.8	$ 435.8	$ 435.8	$ 449 3	$ 449.3	$ 449.3	$ 449 3	$ 449.3	$ 449 3	$ 449.3	$ 449 3	$ 449.3	$ 5,351.3
Total Liquefaction Fixed Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Supplier Fixed Costs	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 16,042.4
LESS:													
AMA Credits	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 108.1	$ 1,296.9
Hourly Peaking Fixed Costs	$ 21.3	$ 1,485.0	$ 1,485.0	$ 1,485 0	$ 1,485.0	$ 21.3	$ 21.3	$ 21.3	$ 21 3	$ 21.3	$ 21 3	$ 21.3	$ 6,109.9
TOTAL FIXED COSTS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 77,142.0
VARIABLE COSTS													
Commodity													
Commodity for Purchases to City Gate	$ 6,081.6	$ 9,383.1	$ 11,653.0	$ 10,094 2	$ 8,526.0	$ 5,186.8	$ 2,662 5	$ 1,677.1	$ 1,353 5	$ 1,388.4	$ 1,614 0	$ 3,377.1	$ 62,997.2
Commodity for Purchases to Injections	$ -	$ -	$ -	$ -	$ 649.8	$ 469.2	$ 1,681.6	$ 1,526.2	$ 983.6	$ 1,657.0	$ 1,657 2	$ 1,560.1	$ 10,184.7
Total Commodity Costs	$ 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
Withdrawal													
Underground Storage Withdrawal Value	$ 94.6	$ 1,727.3	$ 2,259.9	$ 2,014 2	$ 1,598.0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,694.0
LNG Storage Withdrawal Value	$ 83.8	$ 84.3	$ 761.8	$ 522 3	$ 83.6	$ 79.9	$ 81.7	$ 78.4	$ 80 8	$ 80.9	$ 78 2	$ 80.7	$ 2,096.4
Total Storage Withdrawal Value	$ 178.4	$ 1,811.6	$ 3,021.7	$ 2,536 5	$ 1,681.6	$ 79.9	$ 81.7	$ 78.4	$ 80 8	$ 80.9	$ 78 2	$ 80.7	$ 9,790.4
Transportation													
Variable Costs for Purchases to City Gate	$ 287.0	$ 328.1	$ 369.5	$ 330 3	$ 302.4	$ 206.4	$ 73 2	$ 48.7	$ 63 8	$ 73.7	$ 42 0	$ 145 3	$ 2,270.4
Variable Costs for Storage Withdrawal	$ 7.1	$ 114.1	$ 149.3	$ 131 9	$ 103.8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 506.3
Variable Costs for Storage Injection	$ -	$ -	$ -	$ -	$ 140.5	$ 71.6	$ 107.7	$ 97.9	$ 43 2	$ 59.5	$ 93 3	$ 71.9	$ 685.7
Total Transportation Variable Costs	$ 293.1	$ 414.9	$ 477.0	$ 425 8	$ 524.6	$ 274.3	$ 160 5	$ 130.4	$ 92 3	$ 111.9	$ 115 0	$ 197.1	$ 3,216.8
Total Storage Variable Costs	$ 0.9	$ 27.4	$ 41.9	$ 36 3	$ 22.1	$ 3.7	$ 20.4	$ 16.2	$ 14 8	$ 21.3	$ 20 3	$ 20.2	$ 245.6
LESS:													
LNG Trucking	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,948.4
Storage Refill	$ -	$ -	$ -	$ -	$ -	$ 264.1	$ 1,507.4	$ 1,348.3	$ 1,003 3	$ 1,693.1	$ 1,553.4	$ 1,552.4	$ 8,922.0
Liquefaction	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Storage and Liquefaction	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 10,870.4
TOTAL VARIABLE COSTS	$ 6,554.1	$ 11,637.0	$ 15,193.5	$ 13,092 9	$ 10,613.8	$ 5,473.1	$ 2,817.4	$ 1,804.2	$ 1,498.1	$ 1,543.0	$ 1,734 2	$ 3,603.1	$ 75,564.3
TOTAL FIXED AND VARIABLE COSTS	$ 12,374.1	$ 19,371.5	$ 22,925.4	$ 21,033 2	$ 18,554.1	$ 11,183.8	$ 8,528.1	$ 7,514.9	$ 7,208 8	$ 7,253.7	$ 7,444 9	$ 9,313.8	$ 152,706.3
NGPMP Credit	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 437.6	$ 5,251.1
TOTAL GAS COSTS	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 147,455.3

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Narragansett Electric Company
Volume & Cost Summary
Sendout Volumes (MDth)

Normal Weather Scenario - Sales Only

Sendout 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
Algonquin													
TETCO CDS Long Haul	1,098	1,136	1,136	1,026	1,037	969	440	262	563	1,001	434	1,000	10,102
TETCO SCT Long Haul	12	8	25	19	10	-	-	-	-	-	-	-	74
AIM	221	218	218	197	218	215	222	215	222	-	-	222	2,167
AGT M3	115	17	-	3	71	524	763	417	-	-	660	542	3,112
TCO Appalachia	372	931	986	883	998	25	49	49	-	50	32	18	4,392
Storage	46	448	661	581	389	-	-	-	-	-	-	-	2,126
Total Algonquin	1,863	2,759	3,026	2,707	2,723	1,732	1,474	943	785	1,051	1,126	1,782	21,972
Tennessee													
TGP Long Haul	592	460	569	554	297	233	3	83	-	-	73	212	3,075
TGP ConneXion	273	293	292	264	234	283	292	282	234	291	282	292	3,313
Storage	-	403	458	413	405	-	-	-	-	-	-	-	1,678
Total Tennessee	865	1,155	1,319	1,231	936	516	295	365	234	291	355	504	8,066
Other													
Dawn via PNGTS	18	194	447	376	182	-	-	-	-	-	-	-	1,218
Dracut	-	-	-	-	-	-	37	0	-	-	-	-	37
Dawn / Niagara / Waddington	5	38	49	41	31	0	-	-	-	-	-	-	165
Dominion / Transco Leidy	35	39	51	44	35	18	2	2	2	2	2	2	236
Everett	-	80	209	94	-	-	-	-	-	-	-	-	384
LNG Vapor	19	19	176	120	19	19	19	19	19	19	19	19	488
LNG Truck	-	-	-	-	192	71	74	71	5	5	50	19	488
City Gate	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other	77	371	932	676	460	108	133	92	26	26	71	41	3,015
Total Purchases	2,806	4,285	5,277	4,614	4,120	2,356	1,902	1,401	1,045	1,369	1,553	2,327	33,053
LESS:													
Liquefaction	-	-	-	-	-	-	-	-	-	-	-	-	-
LNG Truck	-	-	-	-	192	71	74	71	5	5	50	19	488
AGT Storage Refill	-	-	-	-	-	64	489	311	267	514	466	453	2,563
TGP Storage Refill	-	-	-	-	-	43	157	264	158	211	248	251	1,332
Total	-	-	-	-	192	178	720	646	430	729	764	724	4,383
Total Sendout	2,806	4,285	5,277	4,614	3,927	2,178	1,182	755	615	640	788	1,603	28,670
Datacheck	2,806	4,285	5,277	4,614	3,927	2,178	1,182	755	615	640	788	1,603	28,670
Delta	-	-	-	-	-	-	-	-	-	-	-	-	-

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Narragansett Electric Company
Volume & Cost Summary
Cost of Gas ($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	Total
DEMAND													
TETCO CDS Long Haul Transportation	$ 1,002	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ 1,001	$ *12,017*
TETCO SCT Long Haul Transportation	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ 18	$ *216*
AIM Transportation	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ 757	$ *9,082*
AGT M3 Transportation	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ 127	$ *1,521*
TCO Appalachia Transportation	$ 515	$ 515	$ 515	$ 696	$ 696	$ 696	$ 696	$ 696	$ 696	$ 696	$ 696	$ 696	$ *7,807*
TGP Long Haul Transportation	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ 459	$ *5,508*
TGP ConneXion Transportation	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ 215	$ *2,578*
Dawn via PNGTS Transportation	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ 997	$ *11,962*
Dracut Transportation	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ 85	$ *1,020*
Dawn / Niagara / Waddington Transportation	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ 29	$ *354*
Dominion / Transco Leidy Transportation	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ 17	$ *199*
Manchester Lateral / Yankee Interconnect	$ 257	$ 257	$ 254	$ 254	$ 254	$ 254	$ 254	$ 254	$ 254	$ 254	$ 254	$ 254	$ *3,054*
Everett Transportation	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ 106	$ *1,275*
Storage Delivery	$ 449	$ 449	$ 449	$ 464	$ 464	$ 433	$ 433	$ 433	$ 433	$ 433	$ 433	$ 433	$ *5,305*
Storage Capacity	$ 272	$ 272	$ 272	$ 286	$ 286	$ 286	$ 286	$ 286	$ 286	$ 286	$ 286	$ 286	$ *3,386*
NGLNG	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ 164	$ *1,965*
LNG Truck	$ [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ *5,967*
Liquefaction	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Portable LNG	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ *1,256*
Supplier Reservation	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ *10,075*
Total Demand	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 84,549
Datacheck	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 84,549
Delta	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

	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
COMMODITY													
TETCO CDS Long Haul	$ 2,472	$ 3,166	$ 3,326	$ 2,980	$ 2,897	$ 2,415	$ 1,010	$ 601	$ 1,320	$ 2,329	$ 925	$ 2,194	$ 25,635
TETCO SCT Long Haul	$ 31	$ 26	$ 82	$ 61	$ 32	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 232
AIM	$ 500	$ 609	$ 634	$ 569	$ 605	$ 527	$ 520	$ 500	$ 527	$ -	$ -	$ 488	$ 5,479
AGT M3	$ 302	$ 67	$ -	$ 13	$ 238	$ 1,307	$ 1,792	$ 983	$ -	$ -	$ 1,415	$ 1,202	$ 7,319
TCO Appalachia	$ 904	$ 2,637	$ 2,915	$ 2,580	$ 2,772	$ 63	$ 119	$ 116	$ -	$ 120	$ 73	$ 40	$ 12,339
TGP Long Haul	$ 1,397	$ 1,310	$ 1,730	$ 1,666	$ 866	$ 598	$ 8	$ 201	$ -	$ -	$ 166	$ 490	$ 7,036
TGP ConneXion	$ 619	$ 806	$ 861	$ 770	$ 660	$ 704	$ 698	$ 669	$ 568	$ 701	$ 626	$ 656	$ 8,338
Dawn via PNGTS	$ 49	$ 593	$ 1,422	$ 1,198	$ 571	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,833
Dracut	$ -	$ -	$ -	$ -	$ -	$ -	$ 91	$ 0	$ -	$ -	$ -	$ -	$ 91
Dawn / Niagara / Waddington	$ 12	$ 107	$ 147	$ 122	$ 91	$ 1	$ -	$ -	$ -	$ -	$ -	$ -	$ 480
Dominion / Transco Leidy	$ 81	$ 111	$ 151	$ 131	$ 97	$ 44	$ 5	$ 5	$ 5	$ 5	$ 4	$ 5	$ 643
Everett	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,366
Storage Withdrawals	$ 102	$ 1,841	$ 2,409	$ 2,146	$ 1,702	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,200
LNG Vapor	$ 84	$ 84	$ 762	$ 522	$ 84	$ 80	$ 82	$ 78	$ 81	$ 81	$ 78	$ 81	$ 2,096
LNG Truck	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,948
City Gate	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL COMMODITY	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 86,435
Datacheck	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 86,435
Delta	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

REDACTED

	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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 170,984
LESS:													
Liquefaction	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LNG Truck	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,948
AGT Storage Refill	$ -	$ -	$ -	$ -	$ -	$ 156	$ 1,129	$ 717	$ 618	$ 1,184	$ 998	$ 980	$ 5,782
TGP Storage Refill	$ -	$ -	$ -	$ -	$ -	$ 108	$ 378	$ 631	$ 385	$ 509	$ 556	$ 572	$ 3,140
Total Liquefaction & Storage	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 10,870
TOTAL GAS COST	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 160,113
Commodity to Sendout	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 75,564
Days/month	30	31	31	28	31	30	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
NYMEX (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	

REDACTED

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	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
AIM at Ramapo	$ 17.0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 17.0
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 803.7
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 649.8
Dawn via IGTS	$ -	$ 15.2	$ 50.5	$ 34.7	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100.4
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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 90.0
Everett Long-Term	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,354.1
Everett Swing	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ -
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
Transco 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	$ 18.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 23.8
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 48.6
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 Z4 Cnx	$ 616.5	$ 804.3	$ 859.3	$ 768.5	$ 657.9	$ 700.5	$ 692.7	$ 664.6	$ 563.8	$ 695.9	$ 622.4	$ 652.0	$ 8,298.3
TGP Z4 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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 3.05
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 3.38
Dawn via IGTS	$ -	$ 2.96	$ 3.08	$ 3.08	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.06
Dawn via PNGTS	$ 2.60	$ 2.96	$ 3.08	$ 3.08	$ 3.03	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.05
Dominion SP	$ 2.06	$ 2.54	$ 2.66	$ 2.64	$ 2.53	$ 2.26	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.46
Dracut Supply	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 2.41
Everett Long-Term	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 3.52
Everett Swing	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ -
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
Transco 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
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1.50
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 Z4 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 Z4 LH	$ 2.23	$ 2.72	$ 2.90	$ 2.87	$ 2.78	$ 2.44	$ 2.33	$ 2.31	$ -	$ -	$ 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**

REDACTED

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]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 803.7
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 649.8
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]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 48.6
Tetco M2 CDS	$ -	$ -	$ -	$ -	$ -	$ 150.3	$ 974.8	$ 578.4	$ 595.1	$ 1,026.6	$ 889.9	$ 904.9	$ 5,120.1
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	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grand Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 649.8**	**$ 469.2**	**$ 1,681.6**	**$ 1,526.2**	**$ 983.6**	**$ 1,657.0**	**$ 1,657.2**	**$ 1,560.1**	**$ 10,184.7**

REDACTED

National Grid Rhode Island
Transportation Variable 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	$ 0.3	$ 4.9	$ 11.5	$ 9.6	$ 4.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 30.7
Everett	$ -	$ 2.6	$ 6.7	$ 3.0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 12.2
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 446.3
Manchester Lateral	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Niagara	$ 0.2	$ 2.5	$ 2.5	$ 2.3	$ 2.0	$ 0.0	$ -	$ -	$ -	$ -	$ -	$ -	$ 9.6
Storage Delivery	$ 49.0	$ 79.7	$ 89.0	$ 78.5	$ 85.3	$ 29.6	$ 16.3	$ 6.7	$ 7.6	$ 7.8	$ 6.7	$ 24.7	$ 480.9
Yankee Interconnect	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
AIM	$ 23.0	$ 22.7	$ 22.7	$ 20.5	$ 22.7	$ 22.4	$ 23.1	$ 22.4	$ 23.1	$ -	$ -	$ 23.1	$ 225.8
Transco	$ 6.9	$ 7.6	$ 11.8	$ 10.0	$ 5.9	$ 0.2	$ 0.2	$ 0.2	$ 0.2	$ 0.2	$ 0.2	$ 0.2	$ 43.4
TCO (Pool)	$ 15.9	$ 37.4	$ 38.4	$ 34.6	$ 38.6	$ 13.8	$ 13.6	$ 13.2	$ -	$ -	$ 13.2	$ 13.6	$ 232.3
TETCO SCT Long Haul	$ 5.1	$ 3.6	$ 10.9	$ 8.1	$ 4.3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 32.1
AGT M3	$ 64.1	$ 112.1	$ 125.2	$ 113.3	$ 103.4	$ 51.9	$ 17.6	$ 6.4	$ 11.0	$ 27.1	$ 21.4	$ 30.5	$ 683.8
TETCO CDS Long Haul	$ 83.9	$ 89.7	$ 91.8	$ 82.6	$ 82.2	$ 71.7	$ 20.1	$ 11.5	$ 33.1	$ 59.3	$ 19.2	$ 61.9	$ 707.0
Dominion	$ 0.9	$ 1.0	$ 1.1	$ 0.9	$ 1.0	$ 1.0	$ -	$ -	$ -	$ -	$ -	$ -	$ 6.0
Dawn via Waddington	$ 0.2	$ 0.4	$ 1.3	$ 0.9	$ 0.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.3
Dawn via PNGTS	$ 0.3	$ 1.8	$ 4.1	$ 3.5	$ 1.9	$ -	$ 1.2	$ 0.0	$ -	$ -	$ -	$ -	$ 12.8
TGP Long Haul	$ 41.3	$ 46.6	$ 57.6	$ 56.1	$ 30.1	$ 16.9	$ 0.3	$ 3.8	$ -	$ -	$ 3.4	$ 14.5	$ 270.6
TGP ConneXion	$ 2.0	$ 2.2	$ 2.2	$ 2.0	$ 1.7	$ 1.9	$ 1.5	$ 1.3	$ 1.1	$ 1.3	$ 1.4	$ 1.6	$ 20.1
Portable LNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grand Total	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	**$ 3,216.8**

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

Storage 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
Columbia FSS	$ 0.0	$ 0.5	$ 1.0	$ 0.9	$ 0.6	$ -	$ 0.7	$ 0.7	$ -	$ 0.8	$ 0.5	$ 0.3	$ 6.0
Dominion GSS	$ -	$ 4.3	$ 4.7	$ 3.8	$ 2.6	$ 1.9	$ 4.8	$ 4.5	$ 4.4	$ 4.2	$ 3.8	$ 3.8	$ 42.8
Dominion GSSTE	$ 0.9	$ 3.5	$ 3.5	$ 3.2	$ 3.5	$ -	$ 4.6	$ -	$ -	$ 5.5	$ 5.0	$ 4.9	$ 34.5
Providence LNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Tennessee FSMA	$ -	$ 1.1	$ 1.4	$ 1.5	$ 2.1	$ -	$ 0.4	$ 1.4	$ 0.5	$ 1.0	$ 1.4	$ 1.5	$ 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	$ 9.1	$ 9.4	$ 144.7
Exeter LNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grand Total	**$ 0.9**	**$ 27.4**	**$ 41.9**	**$ 36.3**	**$ 22.1**	**$ 3.7**	**$ 20.4**	**$ 16.2**	**$ 14.8**	**$ 21.3**	**$ 20.3**	**$ 20.2**	**$ 245.6**

Withdrawal Value	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
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 GSSTE	$ 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	$ 25.3	$ 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
Grand Total	**$ 178.4**	**$ 1,811.6**	**$ 3,021.7**	**$ 2,536.5**	**$ 1,681.6**	**$ 79.9**	**$ 81.7**	**$ 78.4**	**$ 80.8**	**$ 80.9**	**$ 78.2**	**$ 80.7**	**$ 9,790.4**

Injection Value	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
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 GSSTE	$ -	$ -	$ -	$ -	$ -	$ -	$ 386.1	$ -	$ -	$ 459.1	$ 388.5	$ 384.3	$ 1,617.9
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 604.1
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,344.3
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
Grand Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ 790.3**	**$ 540.9**	**$ 1,789.3**	**$ 1,624.1**	**$ 1,026.8**	**$ 1,716.5**	**$ 1,750.5**	**$ 1,632.0**	**$ 10,870.4**

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	$ 449.2	$ 463.7	$ 463.7	$ 432.9	$ 432.9	$ 432.9	$ 432.9	$ 432.9	$ 432.9	$ 432.9	$ 5,305.3
Yankee Interconnect	$ [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 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	$ 515.3	$ 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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 1,256.4
Grand Total	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	**$ 63,155.1**

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

Storage 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
Columbia FSS	$ 9.7	$ 9.7	$ 9.7	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 23.2	$ 237.9
Dominion GSS	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 36.4	$ 436.7
Dominion GSSTE	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 46.8	$ 561.2
Exeter LNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Providence LNG	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 1,964.9
Tennessee FSMA	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 43.3	$ 519.1
Tetco FSS1	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 3.5	$ 42.0
Tetco SS1	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 132.5	$ 1,589.6
Grand Total	**$ 435.8**	**$ 435.8**	**$ 435.8**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 449.3**	**$ 5,351.3**

REDACTED

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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$ 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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Summer Liquid Refill	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Summer Trucking	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
AGT Citygate	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Winter Trucking	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Proposed Summer Liquid	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Grand Total	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	**$ 16,042.4**

REDACTED

National Grid Rhode Island
Hourly Peaking Fixed Costs
Normal Year
($000)

Hourly Peaking Fixed Costs	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
Transportation Fixed Costs													
Portable LNG	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Everett	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Supplier Fixed Costs													
AGT Citygate	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Winter Trucking	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Everett Supply Deal2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Total Hourly Peaking Fixed Costs	$ 21 3	$ 1,485.0	$ 1,485.0	$ 1,485.0	$ 1,485.0	$ 21.3	$ 21.3	$ 21.3	$ 21.3	$ 21.3	$ 21.3	$ 21.3	$ 6,109.9

REDACTED

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 (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
To City Gate													
GAS PURCHASES													
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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	385
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	-	-	-	-	-	-	-	-	-	-	-	-	-
Millennium	223	230	230	208	230	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	-	582	8,001
Tetco M3	116	17	-	3	71	528	770	421	-	-	666	547	3,140
TGP Z4 Cnx	276	296	296	268	237	243	136	103	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	145
Waddington	2	0	-	0	6	-	-	-	-	-	-	-	8
TOTAL PURCHASES TO CITY GATE	2,805	3,510	4,088	3,595	3,204	2,207	1,180	749	614	637	777	1,617	24,984
STORAGE WITHDRAWALS													
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	149
Providence LNG	13	13	111	96	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
TOTAL WITHDRAWALS TO CITY GATE	67	891	1,323	1,137	831	19	19	19	19	19	19	19	4,383
GRAND TOTAL TO CITY GATE	2,872	4,401	5,410	4,732	4,035	2,226	1,199	768	634	657	795	1,637	29,367

REDACTED

The Narragansett Electric Company Gas Cost Recovery Receipt 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
To Storage Injection													
GAS PURCHASES													
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via IGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via PNGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion SP	-	-	-	-	-	-	-	-	-	-	-	-	-
Dracut Supply	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Long-Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	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	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PURCHASES TO INJECTIONS	-	-	-	-	192	181	737	658	439	748	782	741	4,480
STORAGE WITHDRAWALS													
Columbia FSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSSTE	-	-	-	-	-	-	-	-	-	-	-	-	-
Exeter LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee FSMA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco SS1	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco FSS1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL WITHDRAWALS TO STORAGE INJECTION	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL TO CITY GATE	-	-	-	-	192	181	737	658	439	748	782	741	4,480

REDACTED

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
To City Gate													
GAS PURCHASES													
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	16	-	-	-	-	-	-	93
Dracut Supply	-	-	-	-	-	-	37	0	-	-	-	-	37
Everett Long-Term	-	80	209	94	-	-	-	-	-	-	-	-	384
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	-
Millennium	215	218	218	197	218	215	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	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	143
Waddington	2	0	-	0	6	-	-	-	-	-	-	-	8
TOTAL PURCHASES TO CITY GATE	2,740	3,414	3,983	3,501	3,114	2,159	1,163	736	596	620	769	1,584	24,379
STORAGE WITHDRAWALS													
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	149
Providence LNG	13	13	111	96	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
TOTAL WITHDRAWALS TO CITY GATE	65	870	1,295	1,113	813	19	19	19	19	19	19	19	4,291
GRAND TOTAL TO CITY GATE	2,806	4,285	5,277	4,614	3,927	2,178	1,182	755	615	640	788	1,603	28,670

REDACTED

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
To Storage Injection													
GAS PURCHASES													
AGT Citygate	-	-	-	-	-	-	-	-	-	-	-	-	-
AIM at Ramapo	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via IGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawn via PNGTS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion SP	-	-	-	-	-	-	-	-	-	-	-	-	-
Dracut Supply	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Long-Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Everett Swing	-	-	-	-	-	-	-	-	-	-	-	-	-
Liquid	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	488
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	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PURCHASES TO INJECTIONS	-	-	-	-	192	178	720	646	430	729	764	724	4,383
STORAGE WITHDRAWALS													
Columbia FSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSS	-	-	-	-	-	-	-	-	-	-	-	-	-
Dominion GSSTE	-	-	-	-	-	-	-	-	-	-	-	-	-
Exeter LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence LNG	-	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee FSMA	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco SS1	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetco FSS1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL WITHDRAWALS TO STORAGE INJECTION	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL TO CITY GATE	-	-	-	-	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%	

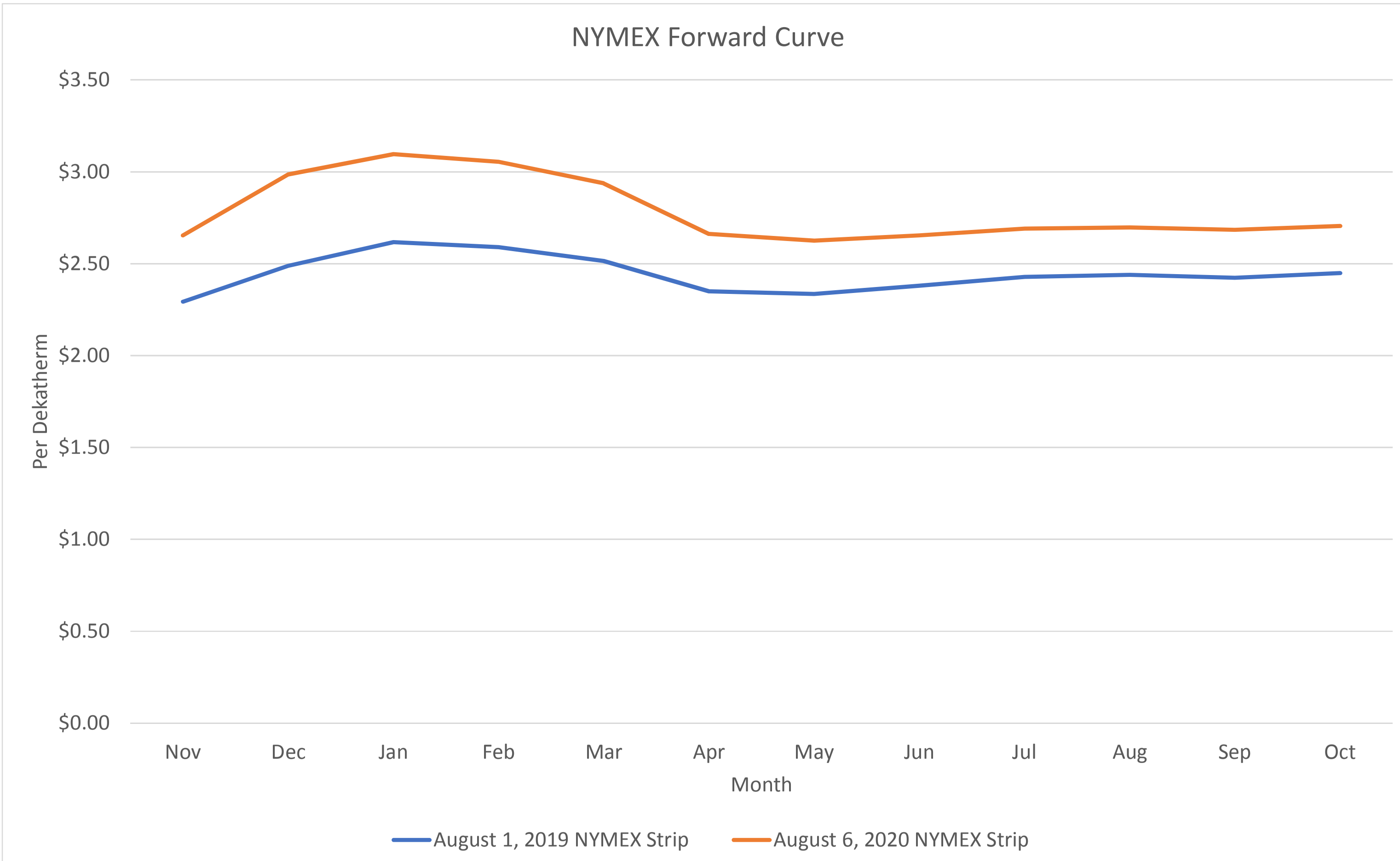
National Grid Rhode Island
Customer Choice Transportation Fixed Costs
2020/21

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)	$	55,318
Managed Capacity (Dth/day)		3,473
Annual Managed Capacity Demand ($000)	$	499
Design Day Transportation (Dth)		178,042
Daily Demand Per Design Day Dth	$	0.850
Customer Choice		
Annual Transportation Demand ($000)	$	12,665
Managed Capacity (Dth/day)		371
Annual Managed Capacity Demand ($000)	$	53
Design Day Transportation (Dth)		39,498
Daily Demand Per Design Day Dth	$	0.874

Attachment GSP-2

NYMEX Strip Comparison & Forward Curves

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
August 1, 2019 NYMEX Strip	$2.293	$2.488	$2.617	$2.589	$2.514	$2.349	$2.335	$2.380	$2.427	$2.438	$2.422	$2.449
August 6, 2020 NYMEX Strip	$2.654	$2.985	$3.096	$3.053	$2.936	$2.661	$2.625	$2.654	$2.690	$2.697	$2.684	$2.704



SUPPLY AREA BASIS SUMMARY

November 2020 - October 2021

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
08/06/2020 NYMEX	$2.654	$2.985	$3.096	$3.053	$2.936	$2.661	$2.625	$2.654	$2.690	$2.697	$2.684	$2.704

SUPPLY AREA	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
TENN Z4	($0.422)	($0.270)	($0.192)	($0.181)	($0.156)	($0.221)	($0.290)	($0.339)	($0.326)	($0.351)	($0.516)	($0.506)
NIAGARA	($0.346)	($0.321)	($0.316)	($0.276)	($0.196)	($0.109)	($0.221)	($0.259)	($0.264)	($0.264)	($0.261)	($0.311)
IROQUOIS RECEIPTS	($0.085)	$0.594	$2.090	$1.934	$0.125	($0.190)	($0.249)	($0.141)	($0.148)	($0.173)	($0.290)	($0.176)
TETCO M3	($0.110)	$0.790	$2.172	$2.093	$0.342	($0.250)	($0.360)	($0.382)	($0.308)	($0.310)	($0.620)	($0.568)
DRACUT	$0.971	$2.646	$3.705	$3.659	$1.591	$0.594	$0.049	($0.001)	$0.106	$0.107	($0.179)	$0.024
TCO	($0.362)	($0.305)	($0.295)	($0.285)	($0.310)	($0.267)	($0.305)	($0.360)	($0.362)	($0.393)	($0.480)	($0.520)
DAWN	($0.055)	($0.023)	($0.018)	$0.027	$0.092	($0.067)	($0.180)	($0.218)	($0.222)	($0.223)	($0.220)	($0.270)
TETCO M2	($0.600)	($0.430)	($0.405)	($0.385)	($0.375)	($0.370)	($0.470)	($0.498)	($0.515)	($0.543)	($0.692)	($0.682)
TRANSCO LEIDY	($0.645)	($0.493)	($0.510)	($0.460)	($0.475)	($0.520)	($0.577)	($0.602)	($0.565)	($0.605)	($0.782)	($0.752)
ALGONQUIN	$0.828	$2.500	$3.548	$3.517	$1.432	$0.335	($0.213)	($0.242)	($0.145)	($0.143)	($0.408)	($0.238)
TENN Z6	$0.690	$2.485	$3.515	$3.500	$1.498	$0.327	($0.217)	($0.248)	($0.150)	($0.147)	($0.412)	($0.245)
DOMINION SP	($0.590)	($0.440)	($0.440)	($0.417)	($0.410)	($0.397)	($0.467)	($0.512)	($0.502)	($0.527)	($0.688)	($0.685)
DOMINION NP	($0.740)	($0.590)	($0.590)	($0.567)	($0.560)	($0.487)	($0.557)	($0.602)	($0.592)	($0.617)	($0.778)	($0.775)
IROQUOIS Z1	($0.085)	$0.594	$2.090	$1.934	$0.125	($0.190)	($0.249)	($0.141)	($0.148)	($0.173)	($0.290)	($0.176)
LEIDY HUB	($0.403)	($0.300)	($0.320)	($0.244)	($0.303)	($0.347)	($0.497)	($0.528)	($0.442)	($0.524)	($0.728)	($0.685)
MILLENNIUM EAST POOL	($0.605)	($0.425)	($0.458)	($0.525)	($0.545)	($0.457)	($0.520)	($0.590)	($0.545)	($0.533)	($0.692)	($0.688)
TENN Z6 NORTH	$0.828	$2.497	$3.548	$3.515	$1.432	$0.333	($0.213)	($0.242)	($0.145)	($0.143)	($0.408)	($0.238)

Attachment GSP-3

Rule Curves

Operational Parameters
Non-Daily Metered FT-2 Storage and Peaking Resources

The following Operational Parameters are pursuant to RIPUC NG-GAS No. 101, Section 6, Schedule C:

Effective Period: November 1, 2020 through October 31, 2021

Underground Storage:

Maximum Inventory Level at any time is 100% of MSQ-U
Injections are not allowed.
Minimum Inventory Levels:

November 1	95%
November 15	95%
December 1	94%
December 15	85%
January 1	75%
January 15	65%
February 1	52%
February 15	41%
March 1	31%
March 15	22%
April 1	13%

Peaking Inventory:

Inventory Level allocated on November 1, 2020 = MSQ-P
Injections are not allowed.
Minimum Inventory Levels:

November 1	100%
December 1	87%
January 1	79%
February 1	49%
March 1	31%
April 1	0%

MSQ-U	Maximum Storage Quantity - Underground
MDQ-U	Maximum Daily Quantity - Underground
MSQ-P	Maximum Storage Quantity - Peaking
MDQ-P	Maximum Daily Quantity - Peaking

Attachment GSP-4

Customer Choice Storage Pricing

Customer Choice Storage Pricing 2020-2021

SLF - Weighted Average Loss Factor on Storage Withdrawals

Storage	Withdrawals	Fuel %	Fuel Vol.	Fuel Avg.
TENN 501	505,461	0.00%	0	
GSS 300170	473,272	0.00%	0	
GSS 300168	149,429	0.00%	0	
GSS 300171	183,150	0.00%	0	
GSS-TE 600045	726,693	0.00%	0	
TETCO 400515	54,941	0.54%	297	
TETCO 400221	1,152,392	1.81%	20,858	
TETCO 400185	50,430	1.81%	913	
GSS 300169	198,049	0.00%	0	
COL FSS 9630	197,838	0.00%	0	
TENN 62918	203,700	0.00%	0	
	3,895,355		22,068	**0.5665%**

WWCC - Weighted Average Commodity Cost of Storage Withdrawals

Storage	Withdrawals	Unit Cost	Cost	Average
TENN 501	505,461	$0.0087	$4,398	
GSS 300170	473,272	$0.0153	$7,241	
GSS 300168	149,429	$0.0153	$2,286	
GSS 300171	183,150	$0.0153	$2,802	
GSS-TE 600045	726,693	$0.0201	$14,607	
TETCO 400515	54,644	$0.0477	$2,607	
TETCO 400221	1,131,534	$0.0740	$83,733	
TETCO 400185	49,517	$0.0740	$3,664	
GSS 300169	198,049	$0.0153	$3,030	
COL FSS 9630	197,838	$0.0153	$3,027	
TENN 62918	203,700	$0.0087	$1,772	
	3,873,287		$129,167	**$0.0333**

PLF - Weighted Average Loss Factor on Pipeline Contracts Used to Deliver Storage Withdrawals

Storage	Transported		Fuel %		Fuel Vol.	Fuel Avg.
TENN 501	505,461			1.22%	6,167	
GSS 300170	473,272		1.95%	1.22%	14,890	
GSS 300168	149,429			1.22%	1,823	
GSS 300171	183,150		1.29%	0.95%	4,080	
GSS-TE 600045	726,693		1.55%	0.95%	18,060	
TETCO 400515	54,644		2.35%	0.95%	1,789	
TETCO 400221	1,131,534			0.95%	10,750	
TETCO 400185	49,517			0.95%	470	
GSS 300169	198,049	1.95%	0.00%	0.95%	5,707	
COL FSS 9630	197,838		1.686%	0.95%	5,183	
TENN 62918	203,700			1.22%	2,485	
	3,873,287				71,404	**1.8435%**

PCC - Weighted Average Commodity Cost on Pipeline Contracts Used to Deliver Storage Withdrawals

Storage	Withdrawals		Unit Cost		Cost	Average
TENN 501	499,294			$0.1013	$50,579	
GSS 300170	458,382		$0.0175	$0.1013	$54,456	
GSS 300168	147,606			$0.1013	$14,952	
GSS 300171	179,070		$0.0478	$0.0637	$19,966	
GSS-TE 600045	708,633		$0.0782	$0.0637	$100,555	
TETCO 400515	52,855		$0.0660	$0.0637	$6,857	
TETCO 400221	1,120,784			$0.0637	$71,394	
TETCO 400185	49,047			$0.0637	$3,124	
GSS 300169	192,342	$0.0175	$0.0478	$0.0595	$24,004	
COL FSS 9630	192,655		$0.0180	$0.0637	$15,740	
TENN 62918	201,215			$0.1013	$20,383	
	3,801,883				$382,011	**$0.1005**

Attachment GSP-5

RFPs for PXP Phases I, II, & III

Request for Proposals ("RFP") for Asset Management Arrangements August 4, 2020

The Narragansett Electric Company d/b/a National Grid ("National Grid" or "Buyer") is seeking proposals ("Proposals") for Asset Management Arrangements ("AMA") to manage all or a portion of its path originating at Dawn, Ontario for delivery at its city-gate on Tennessee Gas Pipeline ("TGP") in Zone 6 via Portland Natural Gas Transmission System ("PNGTS") as more fully set forth below. The successful bidder ("Seller") shall have the right to optimize the assigned assets ("Assets") subject to satisfying Buyer's Gas Supply Requirements.

I. Provisions

Package No. 1 - AMA – Canadian Only (PXP Phases I&II)

Term: November 1, 2020 through October 31, 2021.

Assets: Beginning November 1, 2020, National Grid is seeking an AMA using the following Assets:

Pipeline	Rate Schedule	Volume (dth)	Volume (Gj)	Receipt Point	Delivery Point
Union Gas Limited ("Union")	M12	15,757	16,625	Dawn	Parkway
TransCanada Gas Pipelines Limited ("TCPL")	FT	15,757	16,625	Parkway	East Hereford

Assignment of Assets/ Compliance with Buyer's State Retail Choice Program: Effective November 1, 2020, National Grid may begin allocating a portion of the Assets contemplated in this Package No. 1 to participants of its State Approved Retail Access Program ("Program") each month. Volumes assigned under the Program are made available to National Grid five business days before the 1st of each month and may change on a monthly basis. Based on historical activity National Grid expects approximately 25% of the subject assets to be reserved each month for the Program. **Bidders must therefore submit their asset management fee for this Package No. 1 on a volumetric basis** and must take all necessary actions to allow National Grid to administer the Program; the volume Buyer shall assign to Seller for each Month of the Term shall be communicated at least five Days prior to the start of the Month of production**. For avoidance of doubt, Seller shall not be responsible for supplying Buyer's Program participants with gas supply.**

The Assets shall be assigned by Buyer for the entire Term at no cost to Asset Manager; notwithstanding the foregoing, Asset Manager shall initially pay the demand charges and Buyer shall reimburse Asset Manager for 100% of the demand charges related to the Assets and for all imputed variable charges related to the volumes delivered by Asset Manager on behalf of Buyer; reimbursement for such charges shall be paid to Asset Manager in U.S. dollars and based on Bank of Canada's monthly average exchange rate for the month of business as published on the last business day of the month of production. Asset Manager shall be responsible for all variable charges in connection with the Assets during the Term not related to Buyer's deliveries. Buyer and Asset Manager each agree to take such actions and execute such documents as may be required to effectuate the assignment of the Assets from Buyer to Asset Manager and to comply with Buyer's Program. All assignments shall be subject to recall in the event that the Asset Manager fails to meet its gas supply obligation to Buyer.

Delivery Point: The Delivery Point shall be the point of interconnection between TCPL and PNGTS known as East Hereford, on the U.S. side.

Gas Supply Requirements: On any day during the period of **November 1, 2020 through April 30, 2021** of the Term, Buyer shall have the right, but not the obligation, to call on Seller to deliver up to the MDQ at East Hereford. The MDQ shall be adjusted upward or downward based upon the deliverability and applicable fuel retention on each of Union and TCPL, as well as the volume assigned pursuant to the Program. Subject to satisfaction of these Gas Supply Requirements and the following criteria, Asset Manager shall have the right to optimize the assigned capacity for its own account:

(a) Base-Load Election: At least three business days prior to the 1st day of the following month of delivery, Buyer shall have the right, but not the obligation, to request Base-Load delivery of such Gas Supply at East Hereford up to the MDQ made available to Seller during this delivery period.

(b) Daily Call: Further, subject to Buyer having exercised its Base-Load rights, Buyer shall have a right to call on a quantity up to the remaining MDQ at East Hereford.

<u>Price:</u>	The commodity price for Gas called on through the exercise of a daily call shall be equal to *Platts Gas Daily – Daily Price Survey* ($MMBtu) Midpoint for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to East Hereford. The commodity price for Gas called on through the Base-Load option shall be equal to *Platts Inside FERC* for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to East Hereford.
<u>Daily Call Nominations</u>:	Buyer shall make all nominations for delivery of Daily Call purchases prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nominations shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e*., nominated ratably on the Business Day prior to the Holiday). Subject to the Gas Supply Requirements, the Program and Buyer's right to elect either Daily Call or Base-Load Gas purchases, Seller shall have the right to optimize the assigned capacity for its own account. Seller shall communicate to Buyer any upstream changes to supply contracts nominated pursuant to this section no later than 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow. Acceptance of changes to upstream supply arrangements communicated by Seller of Buyer after 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow shall be at Buyer's discretion. Consistent with the terms of the Transaction Confirmation and the deliverability of the Assets, Buyer may nominate, and Seller must supply those supplies unaccounted for after the 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow deadline from the Assets assigned to Seller by Buyer.
<u>Asset Management Fee:</u>	Subject to satisfying the Gas Supply Requirements associated with the AMA and compliance with Buyer's right to assign volumes under the Program, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal(s), Bidders should specify the total proposed Asset Management Fee to be paid to Buyer for the AMA for the full MDQ assignable, as well as on a volumetric basis.**

Import/Export Reporting: Any import/export reporting requirement applicable to the quantities of natural gas delivered to Buyer hereunder, whether of the National Energy Board, the U.S. Department of Energy Office of Fossil Energy, the U.S. Customs Service or any other regulatory body having jurisdiction over the volumes, are the responsibility of Asset Manager.

Package No. 2 – AMA – Canadian Only (PXP Phase III)

Term: November 1, 2020 through October 31, 2021.

Assets: National Grid is currently party to a precedent agreement with PNGTS for the transportation of Gas from Dawn, Ontario to Dracut, MA Union, TCPL and PNGTS to serve its firm on TGP. On June 19, 2018, PNGTS filed an application with the Federal Energy Regulatory Commission ("FERC") to satisfy the requirements of Phase II of the Portland Xpress Project to achieve an in-service date of November 1, 2020 [CP18-506]; authorization of the necessary facilities by the FERC is a condition precedent of a transaction confirmation resulting from this RFP and necessary for the agreement between National Grid and PNGTS to become effective.

Once the agreement is effective, PNGTS will assign the corresponding upstream TCPL capacity to National Grid and, at that time, National Grid shall also have the right to take assignment of the corresponding volume of upstream Union capacity to feed TCPL. Following such assignments, National Grid will have transportation service agreements: with Union from Dawn to Parkway; with TCPL from Parkway to East Hereford; and with PNGTS from East Hereford to Dracut.

Beginning November 1, 2020, National Grid is seeking an AMA using the following Assets:

Pipeline	Rate Schedule	Volume (dth)	Volume (Gj)	Receipt Point	Delivery Point
Union	M12	3,300	3,482	Dawn	Parkway
TCPL	FT	3,300	3,482	Parkway	East Hereford

Assignment of Assets:

The Assets shall be assigned by Buyer for the entire Term at no cost to Asset Manager; notwithstanding the foregoing, Asset Manager shall initially pay the demand charges and Buyer shall reimburse Asset Manager for 100% of the demand charges related to the Assets and for all imputed variable charges related to the volumes delivered by Asset

Manager on behalf of Buyer; reimbursement for such charges shall be paid to Asset Manager in U.S. dollars and based on Bank of Canada's monthly average exchange rate for the month of business as published on the last business day of the month of production. Asset Manager shall be responsible for all variable charges in connection with the Assets during the Term not related to Buyer's deliveries. Buyer and Asset Manager each agree to take such actions and execute such documents as may be required to effectuate the assignment of the Assets from Buyer to Asset Manager. All assignments shall be subject to recall in the event that the Asset Manager fails to meet its gas supply obligation to Buyer.

Delivery Point: The Delivery Point shall be the point of interconnection between TransCanada and PNGTS known as East Hereford, on the U.S. side.

Gas Supply Requirements: On any day during the period of **November 1, 2020 through April 30, 2021** of the Term, Buyer shall have the right, but not the obligation, to call on Seller to deliver up to the MDQ at East Hereford. The MDQ shall be adjusted upward or downward based upon the deliverability and applicable fuel retention on each of Union and TCPL. Subject to satisfaction of these Gas Supply Requirements and the following, Asset Manager shall have the right to optimize the assigned capacity for its own account:

(a) Base-Load Election: At least three business days prior to the 1st day of the following month of delivery, Buyer shall have the right, but not the obligation, to request Base-Load delivery of such Gas Supply at the Delivery Point up to the MDQ made available to Seller during this delivery period.

(b) Daily Call: Further, subject to Buyer having exercised its Base-Load rights, Buyer shall have a right to call on a quantity up to the remaining MDQ at East Hereford.

Price: The commodity price for Gas called on through the exercise of a daily call shall be equal to *Platts Gas Daily – Daily Price Survey* ($MMBtu) Midpoint for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to East Hereford.

The commodity price for Gas called on through the Base-Load option shall be equal to *Platts Inside FERC* for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to East Hereford.

Daily Call Nominations: Buyer shall make all nominations for delivery at East Hereford of Daily Call purchases prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nominations shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e.*, nominated ratably on the Business Day prior to the Holiday).

Subject to the Gas Supply Requirements and Buyer's right to elect to purchase Gas pursuant to either a Daily Call or Base-Load Election, Seller shall have the right to optimize the assigned capacity for its own account. Seller shall communicate to Buyer any upstream changes to supply contracts nominated pursuant to this section no later than 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow. Acceptance of changes to upstream supply arrangements communicated by Seller of Buyer after 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow shall be at Buyer's discretion. Consistent with the terms of the Transaction Confirmation and the deliverability of the Assets, Buyer may nominate, and Seller must supply those supplies unaccounted for after the 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow deadline from the Assets assigned to Seller by Buyer.

Asset Management Fee: Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal(s), Bidders should specify the total proposed Asset Management Fee to be paid to Buyer for the AMA.**

Asset Management Fee: Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal(s), Bidders should specify the total proposed Asset Management Fee to be paid to Buyer for the AMA and how the Asset Management Fee will be impacted if the condition precedent related to the in-service of Phase II of the Portland Xpress Project does not occur on November 1, 2019.**

Import/Export Reporting: Any import/export reporting requirement applicable to the quantities of natural gas delivered to Buyer hereunder, whether of the National Energy Board, the U.S. Department of Energy

Office of Fossil Energy, the U.S. Customs Service or any other regulatory body having jurisdiction over the volumes, are the responsibility of Asset Manager.

Package No. 3 - AMA – U.S. and Canadian (PXP Phases I&II)

Term: November 1, 2020 through October 31, 2021.

Assets: Beginning November 1, 2020, National Grid is seeking an AMA using the following Assets:

Pipeline	Rate Schedule	Volume (dth)	Volume (Gj)	Receipt Point	Delivery Point
Union	M12	10,000	10,550	Dawn	Parkway
TCPL	FT	10,000	10,550	Parkway	East Hereford
PNGTS	FT	10,000	n/a	Pittsburg	Dracut
TGP	FT-A	10,000	n/a	Dracut	Zone 6

Assignment and Release of Assets: The Assets shall be assigned/released by Buyer for the entire Term at no cost to Asset Manager; notwithstanding the foregoing, Asset Manager shall initially pay the demand charges and Buyer shall reimburse Asset Manager for 100% of the demand charges related to Union and TCPL and for all imputed variable charges related to the volumes delivered by Asset Manager on behalf of Buyer; reimbursement for such charges shall be paid to Asset Manager in U.S. dollars and based on Bank of Canada's monthly average exchange rate for the month of business as published on the last business day of the month of production. Asset Manager shall be responsible for all variable charges in connection with the Assets during the Term not related to Buyer's deliveries. Buyer and Asset Manager each agree to take such actions and execute such documents as may be required to effectuate the assignment of the Assets from Buyer to Asset Manager. All assignments shall be subject to recall in the event that the Asset Manager fails to meet its gas supply obligation to Buyer.

Buyer and Seller each agree to take such actions and execute such documents as may be required to effectuate the release of the Assets from Buyer to Seller. *National Grid currently has a negotiated rate with PNGTS which is included herewith. National Grid shall not be responsible for loss of discount resulting from such inaction.*

The parties intend that any transaction entered into pursuant to this RFP shall be structured as an Asset Management Agreement pursuant to FERC Order 712 and any other applicable rules or regulations. All releases shall be subject to recall in the event that the Seller fails to meet its gas supply obligation to Buyer.

<u>Delivery Point:</u>

Unless otherwise specified by Buyer, the Delivery Point for Gas purchased hereunder shall be the point of interconnection between Buyer's facilities and TGP in TGP's Zone 6.

<u>Gas Supply Requirements:</u>

On any day during the period of **November 1, 2020 through April 30, 2021** of the Term, Buyer shall have the right, but not the obligation, to call on Seller to deliver up to the MDQ at the Delivery Point on the U.S. assets of PNGTS and TGP. The MDQ shall be adjusted upward or downward based upon the deliverability and applicable fuel retention on each of Union, TCPL, PNGTS and TGP. Subject to satisfaction of these Gas Supply Requirements, Asset Manager shall have the right to optimize the assigned capacity for its own account. Subject to the following:

(a) Base-Load Election: At least three business days prior to the 1st day of the following month of delivery, Buyer shall have the right, but not the obligation, to request Base-Load delivery of such Gas Supply at the Delivery Point on TGP up to the MDQ made available to Seller during this delivery period.

(b) Daily Call: Further, subject to Buyer having exercised its Base-Load rights, Buyer shall have a right to call on a quantity up to the remaining MDQ at TGP Zone 6.

(c) Additional Call: In addition to the Base-Load Election and the Daily Call, on any Day during the delivery period of November 1, 2020 through and including April 30, 2021, Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the contract quantity at the primary delivery point released by Buyer to Seller for each of the PNGTS and TGP Asset(s). Seller's delivery obligations under this Additional Call provision and its delivery obligation pursuant to these Gas Supply Requirements shall not be cumulative, and the Additional Call may only be exercised after Buyer has exhausted its rights pursuant to the Base-Load Election and Daily Call (i.e., Buyer's right to request gas at any Delivery Point pursuant to this Additional Call provision shall be reduced by quantities already requested).

<u>Price:</u>

The commodity price for Gas called on through the exercise of a daily call shall be equal to *Platts Gas Daily –*

Daily Price Survey ($MMBtu) Midpoint for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to Buyer's City-Gate in TGP Zone 6.

The commodity price for Gas called on through the Base-Load option shall be equal to *Platts Inside FERC* for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to Buyer's City-Gate in TGP Zone 6.

The commodity price for Gas called on through the Additional Call shall be equal to TGP Zone 6 South + $0.05.

Nominations:

For calls at the Delivery Point at Buyer's City-Gate in TGP Zone 6, Buyer shall make all nominations for delivery of Daily Call purchases prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nominations shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e.*, nominated ratably on the Business Day prior to the Holiday).

Subject to the Gas Supply Requirements, Seller shall have the right to optimize the assigned capacity for its own account. Seller shall communicate to Buyer any upstream changes to supply contracts nominated pursuant to this section no later than 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow. Acceptance of changes to upstream supply arrangements communicated by Seller of Buyer after 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow shall be at Buyer's discretion. Consistent with the terms of the Transaction Confirmation and the deliverability of the Assets, Buyer may nominate, and Seller must supply those supplies unaccounted for after the 1:00 PM prevailing Eastern Standard Time on the Day prior to the Day of Gas flow deadline from the Assets assigned to Seller by Buyer.

Upon execution of a binding Transaction Confirmation, or adequate assurance that the Buyer and Seller intend the Transaction be binding by the first date of the Term, Buyer shall arrange for Seller's use and access of the National Grid Electronic Bulletin Board ("EBB"). Seller shall utilize EBB to schedule the supply to the Delivery Point on TGP, Buyer's city gate, for confirmation by National Grid's Gas Control. Use of the EBB or other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited.

Asset Management Fee: Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal(s), Bidders should specify the total proposed Asset Management Fee to be paid to Buyer for the AMA for the full MDQ assignable, as well as on a volumetric basis.**

Import/Export Reporting: Any import/export reporting requirement applicable to the quantities of natural gas delivered to Buyer hereunder, whether of the National Energy Board, the U.S. Department of Energy Office of Fossil Energy, the U.S. Customs Service or any other regulatory body having jurisdiction over the volumes, are the responsibility of Asset Manager.

II. Instructions to Bidders

National Grid will consider Proposals only from Bidders who have an executed NAESB Base Contract for Sale and Purchase of Natural Gas or an executed ISDA with a Gas Annex with Buyer. Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Agreement or ISDA Gas Annex. Included in this RFP is the form of Transaction Confirmation that National Grid proposes for execution. As part of their Proposal(s), Bidders *must* clearly identify any required Special Conditions or exceptions to the Transaction Confirmation including, but not limited to, language related to FERC, the CFTC and any other applicable regulatory body.

Any questions in connection with this RFP should be sent via email to the following email address:

GasRFP@nationalgrid.com

All proposals in connection with this RFP should also be sent via email to the email address listed above. Proposals must be submitted by the date specified in the Schedule below. Proposals must include: **(a) Seller's proposed Reservation Charge for the Package, (b) any specialized language Seller requires in the Transaction Confirmation, and (c) whether Seller shall require receipt of any additional internal approvals prior to accepting an award pursuant to this RFP.**

III. Schedule (all times are Eastern Standard Time)

August 14, 2020 Proposals must be received by National Grid by 12:00 PM EST. **All proposals shall expressly provide that they will remain binding and in effect, without modification, until 5:00 PM on August 21, 2020.**

IV. Miscellaneous

National Grid will consider proposals only from bidders who have an executed NAESB Base Contract for Sale and Purchase of Natural Gas or an executed ISDA with a Gas Annex with Buyer. Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Agreement or ISDA Gas Annex. Please be advised that if the winning Bidder utilizes an ISDA with a Gas Annex, this transaction will be specifically excluded from margining calculation under the Credit Support Annex.

Bidders submitting bids in response to this RFP understand and agree that unless and until a definitive Transaction Confirmation has been executed and delivered, no contract or agreement providing for a transaction between such parties shall be deemed to exist between the parties, and neither party will be under any legal obligation of any kind whatsoever with respect to such transaction by virtue of this or any other written or oral expression of communication. National Grid reserves the right to withdraw or modify this RFP at any time and National Grid shall have the right, in its sole and absolute discretion, to reject any or all Proposals submitted in response to this RFP. The winning bid(s), if any, will be selected based on the proposal(s) that yield(s) the least cost, consistent with concerns for reliability of service and other business factors applied by National Grid in its sole discretion. Potential Sellers shall be subject to satisfactory credit review by National Grid.

V. Compliance with National Grid's Supplier Code of Conduct

At National Grid we are always seeking ways to meet the evolving needs and desires of our customers. We believe that a responsible approach to doing business is fundamental to what we do. In all of our activities we operate within Global Standards of Ethical Conduct. These standards include a commitment to the protection and enhancement of the environment, always seeking ways to minimize the environmental impact of our past, present and future activities and safeguarding our global environment for future generations. Our goal is to comply with regulations, reduce any impact that we may have and proactively seek out opportunities to improve the environment. In furtherance of this goal, National Grid has developed a "Supplier Code of Conduct" which describes our company's values and can be accessed at https://www.nationalgridus.com/media/procurement/supplier_code_of_conduct.pdf.

We value the business relationships we have with you and we believe that you are an important and central part of our success. This means that we expect you to carry out your business in line with these values. More specifically, we refer you to Section 3 - "Protecting the Environment". This section explains National Grid's expectations with respect to its suppliers. In connection with the purchase of natural gas, we will reject proposals from parties that fail to adhere to these requirements or who knowingly produce or purchase gas that was produced in violation of applicable laws and regulations.

National Grid has worked to establish the Natural Gas Supply Collaborative (NGSC). The NGSC is a voluntary collaborative of natural gas purchasers that are promoting safe and responsible practices for the development of natural gas supply. As a participant in the NGSC, National Grid is committed to encourage our natural gas suppliers and producers to support more robust voluntary reporting and increased transparency on 14 environmental and social performance indicators. The NGSC developed these indicators through a comprehensive stakeholder engagement undertaking including representation from both the environmental and natural gas production community.

As suppliers of natural gas to National Grid, it is our expectation that you will consider reporting on these 14 indicators. Over time, and in consultation with National Grid, we expect reporting on these 14 indicators will be fully embraced and easily identifiable on company web sites and may become a requirement for future business.

Supporting information on the NGSC can be found at the following Web site: http://www.mjbradley.com/NGSC

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Attachment GSP-6

RFP for AMA Dawn Waddington to Zone 6 Lincoln

Request for Proposals ("RFP") for Asset Management Arrangement August 4, 2020

The Narragansett Electric Company d/b/a National Grid ("National Grid" or "Buyer") is seeking proposals ("Proposals") for an Asset Management Arrangement ("AMA") as more fully set forth below. The successful bidder ("Seller" or "Asset Manager") shall have the right to optimize the assigned assets ("Assets") subject to satisfying Buyer's Gas Supply Requirements set forth below.

Package No. 4 – AMA (Dawn-Waddington-Zone 6)

I. Provisions:

Term: November 1, 2020 through October 31, 2021.

Delivery Period: November 1, 2020 through and including March 31, 2021.

Release/Assignment of Assets: The Assets to be assigned and released are set forth below. The Assets shall be assigned/released by Buyer for the entire Term at no cost to Seller. Buyer shall remain responsible for payment of all demand charges related to the Assets (except any potential loss of discount related to activities of Seller). Notwithstanding the forgoing, Seller shall initially pay the Union and TransCanada demand charges and Buyer shall reimburse Seller for 100% of the demand charges related to the Assets; reimbursement for such charges shall be paid to Seller in U.S. dollars and based on Bank of Canada's monthly average exchange rate for the month of business as published on the last business day of the month of production. Buyer and Seller each agree to take such actions and execute such documents as may be required to effectuate the assignment of the Assets from Buyer to Seller. All assignments shall be subject to recall in the event that the Seller fails to meet its gas supply obligation to Buyer.

Assigned Assets: During the Term, Buyer shall assign firm transportation capacity on the following pipelines:

Union Gas Limited ("Union Gas")
TransCanada Pipelines Limited ("TransCanada")
Iroquois Gas Transmission System, L.P. ("Iroquois")
Tennessee Gas Pipeline Company, L.L.C. ("Tennessee")

Please see table below for contract details.

Pipeline	Contract	Quantity Dt/day	Quantity Gj/day	Receipt Point	Delivery Point
Union	M12164	1,025	1,081	Dawn	Parkway
TransCanada	42386	1,012	1,068	Parkway	Waddington
Iroquois	50001	1,012	NA	Waddington	Wright
Tennessee	95345	1,000	NA	Wright	Lincoln, RI

Delivery Point: The Delivery Point shall be the primary Delivery Point(s) of the FERC regulated Assets.

Gas Supply Requirements: On any day during the period of **November 1, 2020 through March 31, 2021** of the Term, Buyer shall have the right, but not the obligation, to call on Seller to deliver up to the MDQ at the *Tennessee Delivery Point.* The MDQ shall be adjusted upward or downward based upon the deliverability and applicable fuel retention on each of Union, TransCanada, Iroquois and Tennessee. Subject to satisfaction of these Gas Supply Requirements, Asset Manager shall have the right to optimize the assigned capacity for its own account. Subject to the following:

(a) At least five business days prior to the 1st day of the following month of delivery, Buyer shall have the right, but not the obligation, to request Base-Load delivery of such Gas Supply at the Delivery Point up to the MDQ during this delivery period.

(b) Further, subject to Buyer having exercised its Base-Load rights, Buyer shall have a right to call on a quantity up to the remaining MDQ.

Additional Call – In addition to the Gas Supply Requirements above, on any Day during the period of November 1, 2020 through March 31, 2021 of the Term, Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the contract quantity of each of the Iroquois and Tennessee Assets at the primary Delivery Point(s) under each such released Asset. Seller's delivery obligations under this Additional Call provision and its delivery obligation pursuant to all Gas Supply Requirements provisions above shall not be cumulative and may only be exercised after Buyer has exhausted its rights pursuant to firm Base-Load and daily call supplies (*i.e.*, Buyer's right to request gas at the Iroquois or Tennessee Delivery Point pursuant to these Gas Supply Requirements provisions and under this Additional Call provision shall be reduced by quantities requested at any upstream Delivery Point).

Nominations:

Buyer shall make all nominations for delivery of Gas hereunder prior to 10:00 AM prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nomination shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e.*, nominated ratably on Business Day prior to the Holiday).

Upon execution of a binding Transaction Confirmation, or adequate assurance that the Buyer and Seller intend the Transaction be binding by the first date of the Term, Buyer shall arrange for Seller's use and access of the National Grid Electronic Bulletin Board ("EBB"). Seller shall utilize EBB to schedule the supply to the Delivery Point on Tennessee, Buyer's city gate, for confirmation by National Grid's Gas Control. Use of the EBB or other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited.

Price:

The commodity price for Gas called on through the exercise of a daily call shall be equal to *Platts Gas Daily – Daily Price Survey* ($MMBtu) Midpoint for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to the Tennessee Delivery Point.

The commodity price for Gas called on through the Base-Load option shall be equal to *Platts Inside FERC* for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to the Tennessee Delivery Point.

The commodity price for Gas called on through Additional Call shall be the greater of the Daily Call Price or the *Platts Gas Daily Daily Price Survey* price for Tennessee Zone 6 South Pool plus $0.10 per dt.

Asset Management Fee:

Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal, Bidders should specify the total proposed Asset Management Fee to be paid to Buyer for the Term.**

Form of Agreement:

Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB

Contract or ISDA Gas Annex. Included with this RFP is the form of Transaction Confirmation that National Grid proposes for execution. **As part of their Proposal, Bidders *must* clearly identify any required Special Conditions or exceptions to the Transaction Confirmation.**

Import/Export Reporting: Any import/export reporting requirements applicable to the quantities of natural gas delivered to Buyer hereunder, whether of the National Energy Board, the U.S. Department of Energy Office of Fossil Energy, the U.S. Customs Service or any other regulatory body having jurisdiction over the volumes, are the responsibility of Asset Manager.

Submission of Proposals: Proposals must be submitted by the date specified in the Schedule below. Proposals must include: **(a) Seller's proposed Asset Management Payment or Price for the AMA Package, (b) any proposed exceptions to the Transaction Confirmation and (c) whether Seller shall require receipt of any additional internal approvals prior to accepting an award pursuant to this RFP.**

II. Instructions to Bidders:

Proposals must be submitted by the date specified in the Schedule below via email to the following email address:

GasRFP@nationalgrid.com.

Any questions in connection with this RFP should be sent via email to the email address provided above.

III. Schedule (all times are Eastern Standard Time):

August 14, 2020 — Proposals must be received by National Grid by 12:00 PM EST. **All proposals shall expressly provide that they will remain binding and in effect, without modification, until 5:00 PM on August 21, 2020.**

V. Form of Agreement:

National Grid will consider proposals only from bidders who have an executed NAESB Base Contract for Sale and Purchase of Natural Gas or an executed ISDA with a Gas Annex with Buyer. Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Contract or ISDA Gas Annex. Please be advised that if the Winning

Bidder utilizes an ISDA with a Gas Annex, this transaction will be specifically excluded from margining calculation under the CSA.

Bidders submitting bids in response to this RFP understand and agree that unless and until a definitive Transaction Confirmation has been executed and delivered by National Grid, no contract or agreement providing for a transaction between such parties shall be deemed to exist between the parties, and neither party will be under any legal obligation of any kind whatsoever with respect to such transaction by virtue of this or any other written or oral expression communication. National Grid reserves the right to withdraw or modify this RFP at any time and National Grid shall have the right, in its sole and absolute discretion, to reject any or all Proposals submitted in response to this RFP. Potential Sellers shall be subject to satisfactory credit review by National Grid.

VI. Compliance with National Grid's Supplier Code of Conduct:

At National Grid we are always seeking ways to meet the evolving needs and desires of our customers. We believe that a responsible approach to doing business is fundamental to what we do. In all of our activities we operate within Global Standards of Ethical Conduct. These standards include a commitment to the protection and enhancement of the environment, always seeking ways to minimize the environmental impact of our past, present and future activities and safeguarding our global environment for future generations. Our goal is to comply with regulations, reduce any impact that we may have and proactively seek out opportunities to improve the environment. In furtherance of this goal, National Grid has developed a "Supplier Code of Conduct" which describes our company's values and can be accessed at https://www.nationalgridus.com/media/procurement/supplier_code_of_conduct.pdf.

We value the business relationships we have with you and we believe that you are an important and central part of our success. This means that we expect you to carry out your business in line with these values. More specifically, we refer you to Section 3 - "Protecting the Environment". This section explains National Grid's expectations with respect to its suppliers. In connection with the purchase of natural gas, we will reject proposals from parties that fail to adhere to these requirements or who knowingly produce or purchase gas that was produced in violation of applicable laws and regulations.

National Grid has worked to establish the Natural Gas Supply Collaborative (NGSC). The NGSC is a voluntary collaborative of natural gas purchasers that are promoting safe and responsible practices for the development of natural gas supply. As a participant in the NGSC, National Grid is committed to encourage our natural gas suppliers and producers to support more robust voluntary reporting and increased transparency on 14 environmental and social performance indicators. The NGSC developed these indicators through a comprehensive stakeholder engagement undertaking including representation from both the environmental and natural gas production community.

As suppliers of natural gas to National Grid, it is our expectation that you will consider reporting on these 14 indicators. Over time, and in consultation with National Grid, we expect reporting on these 14 indicators will be fully embraced and easily identifiable on company web sites and may become a requirement for future business.

Supporting information on the NGSC can be found at the following Web site: http://www.mjbradley.com/NGSC

John Allocca
Director of FERC Compliance and Contracting
Telephone: 516-545-3108

Liz Arangio
Director of Gas Supply Planning
Telephone: 781-907-1639

MaryBeth Carroll
Manager of Gas Supply Planning
Telephone: 516-545-3116

Samara Jaffe
Program Manager of FERC Compliance & Contracting
Telephone: 516-545-5408

Janet Prag
Senior Contract Specialist
Telephone: 516-545-5463

Transaction Confirmation
The Narragansett Electric Company d/b/a National Grid

TRANSACTION CONFIRMATION

Date: ____________

Transaction Confirmation #: ____________

This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for Asset Management Arrangements dated August 4, 2020. This Transaction Confirmation is subject to the Base Contract between Seller and Buyer, dated ________. ***This Transaction Confirmation will not become binding until executed by both parties.***

SELLER:

Attn:
Phone:
Fax:
Transporters:
Transporters Contract Number:
Trader:

BUYER:
The Narragansett Electric Company d/b/a National Grid
100 East Old County Road
Hicksville, New York 11801
Attn: Contract Administration
Phone: (516) 545-6068
Fax: (516) 545-5466
Transporters: Union Gas Limited ("Union"), TransCanada Pipelines Limited ("TransCanada"), Iroquois Gas Transmission System, L.P. ("Iroquois") Tennessee Gas Pipeline Company, L.L.C. ("Tennessee").
Transporters Contract Number:
Trader: Samara Jaffe

Contract Price: **See Special Conditions Section C below.**

Term: Begin: November 1, 2020 End: October 31, 2021

Performance Obligation and Contract Quantity: See Special Conditions below.

Delivery Point(s): Subject to Buyer's right to exercise the Additional Call, the primary Delivery Point shall be the point of interconnection between Tennessee and Buyer's distribution system that is the primary Delivery Point under the Tennessee Asset.

Special Conditions:

A. Definitions

"Assets" means the Agreements summarized as follows:

Pipeline	Contract	Quantity Dt/day	Quantity Gj/day	Receipt Point	Delivery Point
Union	M12164	1,025	1,081	Dawn	Parkway
TransCanada	42386	1,012	1,068	Parkway	Waddington
Iroquois	50001	1,012	NA	Waddington	Wright
Tennessee	95345	1,000	NA	Wright	Lincoln, RI

"CFTC" shall mean the Commodities Futures Trading Commission.

"Credit Support Provider" means__________________________.

"Dekatherm" or "Dth" or "dt" means one (1) MMBtu.

"EBB" means Buyer's Electronic Bulletin Board utilized for confirmation of Gas. "FERC" means the Federal Energy Regulatory Commission.

"Letter of Credit" means an irrevocable, non-transferable, standby letter of credit issued by a major U.S. commercial bank, a U.S. branch office of a foreign bank, or U.S. financial institution, in any case with a credit rating of at least "A" by S&P and "A2" by Moody's in a form reasonable acceptable to the Buyer. All costs related to any Letter of Credit shall be for the account of the Seller.

"Moody's" means Moody's Investors Services, Inc., or its successor.

"S&P" means S&P Global Ratings, or its successor.

B. Gas Service and Capacity Assignment

1. **Release and Assignment of Assets:** During the Term, Buyer will release/assign, on a pre-arranged, non-biddable basis, at no cost to Seller, the Assets. Buyer shall be responsible for the payment of all demand charges related to the Assets. Notwithstanding the foregoing, Seller shall initially pay the demand charges to TransCanada and Union and Buyer shall reimburse Seller for 100% of the demand charges related to the Assets for the volumes delivered by Seller to Buyer under this Transaction Confirmation. Reimbursement of such charges shall be paid in U.S. dollars and based on the Bank of Canada's monthly average exchange rate for the month of business as published on the last business day of the month of production. Seller shall be responsible for all variable costs in connection with the Assets during the Term unrelated to deliveries for Buyer. Buyer and Seller each agree to take such actions and execute all documents as may be required to effectuate the assignment of the Assets from Buyer to Seller. All assignments shall be subject to recall in the event that the Seller fails to meet its gas supply obligation to Buyer.

2. **Gas Supply Requirements:**

A. On any day during the period of November 1, 2020 through March 31, 2021 of the Term, Buyer shall have the right, but not the obligation, to call on Seller to deliver up to the MDQ at the Tennessee Delivery Point. The MDQ shall be adjusted upward or downward based upon the deliverability and applicable fuel retention on each of Union, TransCanada, Iroquois and Tennessee. Subject to satisfaction of these Gas Supply Requirements, Asset Manager shall have the right to optimize the assigned capacity for its own account. Subject to the following:

i. At least five business days prior to the 1st day of the following month of delivery, Buyer shall have the right, but not the obligation, to request Base-Load delivery of such Gas Supply at the Delivery Point up to the MDQ during this delivery period.

ii. Further, subject to Buyer having exercised its Base-Load rights, Buyer shall have a right to call on a quantity up to the remaining MDQ.

iii. Additional Call – In addition to the Gas Supply Requirements set forth in Special Condition B(2)(A) of this Transaction Confirmation, on any Day during the period of November 1, 2020 through March 31, 2021 of the Term, Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the contract quantity of each of the Iroquois and Tennessee Assets at the primary Delivery Point(s) under each such released Asset. Seller's delivery obligations under this Additional Call provision and its delivery obligation pursuant to all Gas Supply Requirements provisions above shall not be cumulative and may only be exercised after Buyer has exhausted its rights pursuant to firm base-load and daily call supplies (i.e., Buyer's right to request gas at the Iroquois or Tennessee Delivery Point(s) pursuant to these Gas Supply Requirements provisions and under this Additional Call provision shall be reduced by quantities requested at any upstream Delivery Point).

B. Termination Right: If at any time during the Term, Seller fails to deliver Gas required to be delivered hereunder, unless such failure is excused by the Buyer's non-performance or caused by Force Majeure, Buyer shall have the right to terminate this Transaction Confirmation and recall the Assets.

C. Nominations

Buyer shall make all nominations for all delivery of Gas hereunder prior to 10:00 a.m. prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nomination shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (i.e., nominated ratably on Business Day prior to the Holiday).

Buyer shall arrange for Seller's use and access of the EBB. Seller shall utilize the EBB to schedule all Gas purchased pursuant to this AMA to the Delivery Point(s) for confirmation by National Grid's Gas Control. Use of the EBB or other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited. Use of the EBB or other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited.

D. Price The commodity price for Gas purchased pursuant to Special Condition 2 shall be as follows:

1. The commodity price for Gas called on through the exercise of a daily call pursuant to Special Condition B(2)(A)(ii) shall be equal to *Platts Gas Daily – Daily Price Survey* ($MMBtu) Midpoint for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to the Delivery Point.

2. The commodity price for Gas called on through the Base-Load option pursuant to Special Condition B(2)(A)(i) shall be equal to *Platts Inside FERC* for Dawn, Ontario, plus the imputed variables to deliver the Gas Supply to the Delivery Point.

3. The commodity price for Gas called on through the Additional Call option pursuant to Special Condition B(2)(B) shall be equal to the greater of the Daily Call Price or the *Platts Gas Daily Daily Price Survey* price for Tennessee Zone 6 South Pool plus $0.10 per dt.

E. Asset Management Fee

Subject to the delivery obligations set forth above, Seller shall have the right to optimize the assigned capacity for its own account. In exchange for such right, during the Term, Seller shall make a payment to Buyer of $___________, payable in equal monthly installments of $______.

F. Credit Provisions

Independent Amount. In the event Seller (i) has a Credit Rating at or below BBB- from S&P and/or Baa3 from Moody's, or (ii) is unrated, Seller shall provide Buyer with an Independent Amount in the form of either (a) a guaranty from a Credit Support Provider rated at least BBB by S&P and/or Baa2 by Moody's, (b) cash, or (c) a Letter of Credit, in either case, in an amount equal to 10% of the potential mark to market exposure for the transactions hereunder calculated as a function of price volatilities as well as the notional volume; provided, however, that the potential mark to market exposure shall be zero (0) when Seller's price is set at the Gas Daily Index.

Collateral Requirement. The "Collateral Requirement' for Seller means the Exposure (as defined below), minus the sum of (i) the amount of cash previously transferred by Seller to Buyer, (ii) the amount of cash held by Buyer as posted collateral as the result of drawing under any Letter of Credit maintained by Seller for the benefit of Buyer, and (iii) the undrawn value of each such Letter of Credit; provided, however, that the Collateral Requirement for Seller will be deemed to be zero (0) if (i) Seller has a Credit Rating of at least BBB from S&P and/or Baa2 from Moody's, and (ii) no Event of Default with respect to Seller has occurred and is continuing. Seller may provide the Collateral Requirement in the form of either (a) a guaranty from a Credit Support Provider rated at least BBB by S&P and/or Baa2 by Moody's, (b) cash, or (c) a Letter of Credit. The "collateral Requirement" for Buyer means zero (0).

"Exposure" shall be calculated as the sum of:

(i) all amounts that have been invoiced, but not yet paid for the transactions under this Transaction Confirmation; plus
(ii) all amounts that have been accrued, but not yet invoiced for the transactions under this Transaction Confirmation; plus
(iii) the mark to market amount for each Day remaining in the term for each transaction under this Transaction Confirmation; reduced by
(iv) the Independent Amount, if any, previously provided by the Seller to the Buyer.

G. Import/Export Reporting

Any import/export reporting requirements applicable to the quantities of natural gas delivered to Buyer hereunder, whether of the National Energy Board, the U.S. Department of Energy Office of Fossil Energy, the U.S. Customs Service, or any other regulatory body having jurisdiction over the volumes, are the responsibility of Asset Manager.

H. Changes in Law

If the FERC, CFTC, or other applicable regulatory body shall implement any change in law, rule, regulation, tariff or practice that is binding on Seller or Buyer and materially and adversely affects such party's ability to perform its obligations hereunder, the parties shall negotiate in good faith an amendment to this Transaction Confirmation or take other appropriate action the effect of which is to restore each party, as closely as possible, to its same position as prior to such change. If, within sixty (60) days after the implementation of such change, the parties are unable to agree on such amendment or such other appropriate action, each party will continue to perform its obligations hereunder to the maximum extent possible under the applicable law, rule, regulation, tariff or practice, taking all reasonable steps to mitigate the effect of such change on each other.

Seller:	Buyer: The Narragansett Electric Company d/b/a National Grid

By: ____________________________________ Name: Title: Date:	By:__________________________________ Name: John V. Vaughn Title: Authorized Signatory Date:

Attachment GSP-7

RFPs for AMA Dracut to Citygate & Dracut Supply

nationalgrid

Request for Proposals ("RFP") for The Narragansett Electric Company d/b/a National Grid Asset Management Arrangement ("AMA") and Gas Supply August 4, 2020

The Narragansett Electric Company d/b/a National Grid ("Narragansett" or "Buyer") is seeking proposals ("Proposals") for an AMA (Package No. 5) *and/or* Gas Supply (Package No. 6) in order to fill its requirements at Dracut as more fully set forth below. The successful bidder(s) ("Seller") shall have the right to optimize the assets ("Assets") subject to satisfying Buyer's Gas Supply Requirements. **Bidders may bid on all or a portion of the MDQ for each Package.**

Package No. 5 – AMA (Dracut to City Gate)

I. Provisions

Term: November 1, 2020 through October 31, 2021.

Assets: During the Term, Buyer shall release FT-A capacity with Tennessee Gas Pipeline Company L.L.C. ("TGP"), having primary receipts at Dracut, MA (pin number 412538) and primary deliveries in Zone 6 at the point(s) of interconnection between TGP and Buyer's facilities in Cranston, RI, (pin number 420750) The maximum delivered quantity of the Assets is **7,500 dt/day** ("MDQ").

The Assets shall be released by Buyer for the entire Term at no cost to Seller. Buyer and Seller each agree to take such actions and execute such documents as may be required to effectuate the release of the Assets from Buyer to Seller. All releases shall be subject to recall in the event that the Seller fails to meet its gas supply obligation to Buyer.

Delivery Point: The point of interconnection between TGP and Buyer's facilities at Cranston, RI.

Gas Supply Requirements: On any day during the period of **December 1, 2020 through April 30, 2021**, Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the MDQ at the Delivery Point. Subject to satisfaction of these Gas Supply Requirements, Asset Manager shall have the right to optimize the assigned capacity for its own account.

<u>Price:</u> For the first 75,000 dth which Buyer exercises the call option pursuant to Gas Supply Requirements, the Price shall be equal to the price for Tennessee, Zone 6, Delivered North - as published in *Platts Gas Daily Daily Price Survey* for the day of flow, plus the variables to transport Gas to the Delivery Point. After Buyer has exercised the first 75,000 dth of call, the Price for each additional exercise of the call option pursuant to Gas Supply Requirements shall be equal to Tennessee, Zone 6, Delivered North as published in *Platts Gas Daily Daily Price Survey* for the day of flow *plus* $0.10, plus the variables to transport Gas to the Delivery Point, for each dth of Gas delivered.

<u>Daily Call Nominations</u>: Buyer shall make all nominations for delivery of all Gas Supply Requirements prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nomination shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e*., nominated ratably on the Business Day prior to the Holiday). **As part of their proposals, Bidder(s) should specify if they are able to offer non-ratable service.**

Upon execution of a binding Transaction Confirmation, or adequate assurance that the Buyer and Seller intend the transaction be binding by the first date of the Term, Buyer shall arrange for Seller's use and access of the National Grid Electronic Bulletin Board ("EBB"). Seller shall utilize EBB to schedule the supply to the Delivery Point on Tennessee, Buyer's city gate, for confirmation by National Grid's Gas Control. Use of the EBB for other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited.

<u>Asset Management Fee:</u> Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal, Bidders must specify the Asset Management Fee to be paid to Buyer.**

<u>Package No. 6– Gas Supply (Dracut)</u>

<u>Term</u>: December 1, 2020 through April 30, 2021.

<u>Delivery Point:</u> The Delivery Point shall be the interconnection between TGP and Maritimes & Northeast Pipeline, LLC, DART Pin No. 412538, located in Dracut, Massachusetts.

Gas Supply Requirements:	On any day during the Term, Buyer shall have the right, but not the obligation, to call on a maximum daily quantity up to 7,500 dth/day ("MDQ") and a maximum seasonal quantity ("MSQ") of 75,000 dth at the Delivery Point. Bidders may bid on all or a portion of the MDQ.
Nominations:	Buyer shall make all nominations for delivery of Gas hereunder prior to 10:00 AM prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nomination shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e.*, nominated ratably on Business Day prior to the Holiday). **As part of their proposals, Bidder(s) should specify if they are able to offer non-ratable service.**
Price:	The commodity price for Gas called on any day will be equal to *Platts Gas Daily Daily Price Survey* – Tennessee, Zone 6, Delivered North for the day of flow.
Reservation Charge:	To be proposed by Bidder.
Daily Call Nominations:	For Daily Calls at the Delivery Point, Buyer shall make all nominations for delivery of Daily Call purchases prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested.

II. Instructions to Bidders

Any questions in connection with this RFP should be sent via email to the following email address:

GasRFP@nationalgrid.com.

All proposals in connection with this RFP should also be sent via email to the email address listed above. Proposals must be submitted by the date specified in the Schedule below. Proposals should include: **(a) Seller's proposed Asset Management Fee and/or Reservation Fee (b) any proposed exceptions to the Transaction Confirmation attached hereto for Package No. 5 (c) whether Bidder requires takes be ratable and (d) whether Seller shall require receipt of any additional internal approvals prior to accepting an award pursuant to this RFP.**

III. Schedule (all times are Eastern Time)

August 14, 2020	Proposals must be received by National Grid by 12:00 PM EST. **All proposals shall expressly provide that they will remain binding and in effect, without modification, until 5:00 PM on August 21, 2020.**

IV. Form of Agreement

National Grid will consider proposals only from Bidders who have an executed NAESB Base Contract for Sale and Purchase of Natural Gas or an executed ISDA with a Gas Annex with Buyer. Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Agreement or ISDA Gas Annex. Please be advised that if the winning Bidder utilizes an ISDA with a Gas Annex, this transaction will be specifically excluded from margining calculation under the Credit Support Annex.

Bidders submitting bids in response to this RFP understand and agree that unless and until a definitive Transaction Confirmation has been executed and delivered, no contract or agreement providing for a transaction between such parties shall be deemed to exist between the parties, and neither party will be under any legal obligation of any kind whatsoever with respect to such transaction by virtue of this or any other written or oral expression of communication. National Grid reserves the right to withdraw or modify this RFP at any time and National Grid shall have the right, in its sole and absolute discretion, to reject any or all Proposals submitted in response to this RFP. The winning bid(s), if any, will be selected based on the proposal(s) that yield(s) the least cost, consistent with concerns for reliability of service and other business factors applied by National Grid in its sole discretion. Potential Sellers shall be subject to satisfactory credit review by National Grid.

V. Compliance with National Grid's Supplier Code of Conduct

At National Grid we are always seeking ways to meet the evolving needs and desires of our customers. We believe that a responsible approach to doing business is fundamental to what we do. In all of our activities we operate within Global Standards of Ethical Conduct. These standards include a commitment to the protection and enhancement of the environment, always seeking ways to minimize the environmental impact of our past, present and future activities and safeguarding our global environment for future generations. Our goal is to comply with regulations, reduce any impact that we may have and proactively seek out opportunities to improve the environment. In furtherance of this goal, National Grid has developed a "Supplier Code of Conduct" which describes our company's values and can be accessed at https://www.nationalgridus.com/media/procurement/supplier_code_of_conduct.pdf.

We value the business relationships we have with you and we believe that you are an important and central part of our success. This means that we expect you to carry out your business in line with these values. More specifically, we refer you to Section 3 - "Protecting the Environment". This section explains National Grid's expectations with respect to its suppliers. In connection with the purchase of natural gas, we will reject proposals from parties that fail to adhere to these requirements or who knowingly produce or purchase gas that was produced in violation of applicable laws and regulations.

National Grid has worked to establish the Natural Gas Supply Collaborative (NGSC). The NGSC is a voluntary collaborative of natural gas purchasers that are promoting safe and responsible practices for the development of natural gas supply. As a participant in the NGSC, National Grid is committed to encourage our natural gas suppliers and producers to support more robust voluntary reporting and increased transparency on 14 environmental and social performance indicators. The NGSC developed these indicators through a comprehensive stakeholder engagement undertaking including representation from both the environmental and natural gas production community.

As suppliers of natural gas to National Grid, it is our expectation that you will consider reporting on these 14 indicators. Over time, and in consultation with National Grid, we expect reporting on these 14 indicators will be fully embraced and easily identifiable on company web sites and may become a requirement for future business.

Supporting information on the NGSC can be found at the following Web site: http://www.mjbradley.com/NGSC

John Allocca
Director of FERC Compliance and Contracting
Telephone: 516-545-3108

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Manager of Gas Supply Planning
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Program Manager of FERC Compliance & Contracting
Telephone: 516-545-5408

Janet Prag
Senior Contract Specialist
Telephone: 516-545-5463

nationalgrid

Asset Management Arrangement (Package No. 5)
Transaction Confirmation
The Narragansett Electric Company d/b/a National Grid

TRANSACTION CONFIRMATION

		Date: ____________ Transaction Confirmation #: ____________

This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposal for Asset Management Arrangements dated August 4, 2020. This Transaction Confirmation is subject to the Base Contract for Sale and Purchase of Natural Gas between Seller and Buyer, dated ________. ***This Transaction Confirmation will not become binding until executed by both parties.***

SELLER:	BUYER:
_______ Attn:____ Phone:__ Fax:____ Base Contract No. _______ Transporters: ____ Transporters Contract Number: ___ Trader: _	The Narragansett Electric Company d/b/a National Grid 100 East Old County Road Hicksville, New York 11801 Attn: Contract Administration Phone: (516) 545-6068 Fax: (516) 545-5466 Base Contract No. Transporters: Tennessee Gas Pipeline Company, L.L.C. ("Tennessee") Trader: Samara Jaffe

Contract Price: See Special Conditions Section C Below

Term: Begin: November 1, 2020 End: October 31, 2021

Performance Obligation and Contract Quantity: See Special Conditions Below

Delivery Point(s): The point of interconnection between Tennessee and Buyer's facilities at Cranston, RI.

Special Conditions:

A. Definitions

"Assets" means Buyer's FT-A Contracts with Tennessee having primary receipts at Dracut, MA (pin number 412538) and primary deliveries in Zone 6 the point(s) of interconnection between Tennessee and Buyer's facilities in Cranston, RI (pin number 420750). The maximum delivered quantity of the Assets is **7,500 dt/day** ("MDQ").

"Credit Support Provider" means__________________________.

"CFTC" means the Commodity Futures Trading Commission.

"Dekatherm" or "Dth" or "dt" means one (1) MMBtu.

"EBB" means Buyer's Electronic Bulletin Board utilized for confirmation of Gas.

"FERC" means the Federal Energy Regulatory Commission.

"Letter of Credit" means an irrevocable, non-transferable, standby letter of credit issued by a major U.S. commercial bank, a U.S. branch office of a foreign bank, or U.S. financial institution, in any case with a credit rating of at least "A-" by S&P and "A3" by Moody's, in a form reasonably acceptable to the Buyer. All costs related to any Letter of Credit shall be for the account of the Seller.

"Moody's" means Moody's Investors Service, Inc. or its successor.

"S&P" means S&P Global Ratings, or its successor.

B. Gas Service and Capacity Release

a. **Release of Assets:** During the Term, Buyer shall release the Assets on a pre-arranged, non-biddable basis, at no cost to Seller. Buyer shall be responsible for the payment of all demand charges related to the Assets. Seller shall be responsible for all variable costs in connection with the Assets during the Term unrelated to deliveries for Buyer. Buyer and Seller each agree to take such actions and execute such documents as may be required to effectuate the release of the Assets from Buyer to Seller. All releases shall be subject to recall in the event that the Seller fails to meet its gas supply obligation to Buyer.

b. **Daily Call:** On any day during the period of **December 1, 2020 through April 30, 2021**, Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the MDQ at the Delivery Point(s).

c. **Termination Option:** If at any time during the Term, Seller fails to deliver Gas required to be delivered hereunder, unless such failure is excused by the Buyer's non-performance or caused by Force Majeure, Buyer shall have the right to terminate this Transaction Confirmation and recall the Assets.

C. Price: For the 75,000 dth which Buyer exercises the call option pursuant to Gas Supply Requirements, the Price shall be equal to the price for Tennessee, Zone 6, Delivered North - as published in *Platts Gas Daily Daily Price Survey* for the day of flow, plus the variables to transport Gas to the Delivery Point. After Buyer has exercised 75,000 dth of call, the Price for each additional exercise of the call option pursuant to Gas Supply Requirements shall be equal to Tennessee, Zone 6, Delivered North as published in *Platts Gas Daily Daily Price Survey* for the day of flow *plus* $0.10, plus the variables to transport Gas to the Delivery Point, for each dth of Gas delivered.

D. Nominations

Buyer shall make all nominations for delivery of all Gas Supply Requirements prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Friday nomination shall be for Saturday through Monday (ratably). Holidays are as determined by ICE and shall be treated the same as weekends (*i.e*., nominated ratably on the Business Day prior to the Holiday).

Buyer shall arrange for Seller's use and access of the EBB. Seller shall utilize the EBB to schedule all Gas purchased pursuant to this AMA to the Delivery Point(s) for confirmation by National Grid's Gas Control. Use of the EBB or other means of requests for confirmation of meter bounce transactions at the Delivery Point or other points of interconnection with Buyer's facilities shall be strictly prohibited.

E. Asset Management Fee

Subject to the delivery obligations set forth above, Seller shall have the right to optimize the released capacity for its own account. In exchange for such right, during the Term, Seller shall make a payment to Buyer of $_______, payable in equal monthly installments of $_________. This payment shall be reflected as a credit to Buyer in Seller's invoice for the applicable Month.

F. Credit Provisions

Independent Amount. In the event Seller (i) has a Credit Rating at or below BBB- from S&P and/or Baa3 from Moody's, or (ii) is unrated, Seller shall provide Buyer with an Independent Amount in the form of either (a) a guaranty from a Credit Support Provider rated at least BBB- by S&P and/or Baa3 by Moody's, (b) cash, or (c) a Letter of Credit, in either case, in an amount equal to 10% of the potential mark to market exposure for the transactions hereunder calculated as a function of price volatilities as well as the notional volume; provided, however, that the potential mark to market exposure shall be zero (0) when Seller's price is set at the Gas Daily Index.

Collateral Requirement. The "Collateral Requirement" for Seller means the Exposure (as defined below), minus the sum of (i) the amount of Cash previously transferred by Seller to National Grid, (ii) the amount of Cash held by National Grid as posted collateral as the result of drawing under any Letter of Credit maintained by Seller for the benefit of National Grid ("Letter of Credit"), and (iii) the undrawn value of each Letter of Credit ; provided, however, that the Collateral Requirement of Seller will be deemed to be zero (0) if on the relevant Valuation Date, (i) no Event of Default with respect to Seller or its Credit Support Provider has occurred and is continuing, and (ii) the guaranty provided by Seller is in full force and effect. The "Collateral Requirement" for National Grid means zero (0).

Exposure. shall be calculated as the sum of:

(i) all amounts that have been invoiced, but not yet paid for the transactions under this Transaction Confirmation; plus
(ii) all amounts that have been accrued, but not yet invoiced for the transactions under this Transaction Confirmation; plus
(iii) the mark to market amount for each Day remaining in the term for each transaction under this Transaction Confirmation; reduced by
(iv) the Independent Amount, if any, previously provided by the Seller to the Buyer.

G. Asset Management Arrangement

The Parties agree that the transactions hereunder constitute an Asset Management Arrangement, as defined by FERC in Order No. 712 (as modified and clarified) and in accordance with FERC's rules and regulations, and that Seller is acting as Asset Manager as defined in 18 CFR 284.8(h)(3).

H. Changes in Law

If the FERC, CFTC or other applicable regulatory body shall implement any change in law, rule, regulation, tariff or practice that is binding on Seller or Buyer and materially and adversely affects such party's ability to perform its obligations hereunder, the parties shall negotiate in good faith an amendment to this Agreement or take other appropriate action the effect of which is to restore each party, as closely as possible, to its same position as prior to such change. If, within sixty (60) Days after the implementation of such change, the parties are unable to agree on such amendment or such other appropriate action, each party will continue to perform its obligations hereunder to the maximum extent possible under the applicable law, rule, regulation, tariff or practice, taking all reasonable steps to mitigate the effect of such change on each other.

Seller: By: ____________________________________ Name: Title: Date:	Buyer: The Narragansett Electric Company d/b/a National Grid By:__________________________________ Name: John V. Vaughn Title: Authorized Signatory Date:

Attachment GSP-8

RFP for AMA Columbia Gas Transmission (“TCo”) - FSS, ST & FTS Assets

nationalgrid

Request for Proposals ("RFP") for Asset Management Arrangement August 4, 2020

The Narragansett Electric Company d/b/a National Grid ("National Grid" or "Buyer") is seeking proposals ("Proposals") for an Asset Management Arrangement ("AMAs") using its Columbia Gas Transmission ("TCo") capacity and storage as more fully set forth below. The successful bidders ("Seller(s)") shall have the right to optimize the released/assigned assets ("Assets") subject to satisfying Buyer's gas supply requirements.

Package No. 7 – AMA (TCO)

Term: November 1, 2020 through October 31, 2021.

Released Assets: Buyer shall release the following assets, at no cost, to Seller:

(a) TCo FSS Contract No. 9630 with a maximum storage quantity ("MSQ") of 203,957 dt, a maximum daily injection quantity ("MDIQ") of 2,545 dt/day and a maximum daily withdrawal quantity ("MDWQ") of 2,545 dt/day. Such maximum rights and obligations are subject to the provisions of the TCo FSS Rate Schedule of the pipeline's FERC Gas Tariff including, but not limited to the Maximum Monthly Injection Quantities as more fully set forth below:

MDWQ		Month Limit	Min	Max
> 30%	2,545	November	none	81,583
20-30%	2,036	December	none	81,583
10-20%	1,654	January	none	81,583
< 10%	1,272	February	20,396	61,187
Apr - Sep	1,272	March	20,396	40,791

MMIQ		MDIQ	Max Inventory	
April	30,594	1,224		
May	40,791	1,632	Feb 1	132,572
June	40,791	1,632	Apr 1	50,989
July	40,791	1,632	Jun 30	122,374
August	36,712	1,468	Aug 31	173,363
September	26,514	1,061		
October	18,356	734		
November	10,198	340		
December	20,396	680		
January	20,396	816		
February	20,396	816		
March	20,396	816		

(b) TCo SST Contract No. 9631 having a maximum daily transportation quantity ("Storage MDQ") of 2,545 dt/day during the months of October through March with withdrawal rights from TCo FSS Contract No. 9630 for primary deliver to the point of interconnect between TCo and Algonquin Gas Transmission, LLC at Hanover

("TCo-Hanover"). During the months of April through September the Storage MDQ shall reduce to 1,272 dt/day; and

(c) TCo FTS Contract No. 31523 having a maximum daily quantity ("Transport MDQ") of 10,000 dt/day with primary receipts located at Broad Run and primary deliver to TCo-Hanover.

Transfer of Inventory: As of November 1, 2020, Buyer shall transfer and sell to Seller the inventory attributable to TCo FSS Contract No. 9630 ("Starting Balance"); the Starting Balance is expected to be ~97% of the MSQ. Seller shall be obligated to pay Buyer for such Gas by the payment date for sales occurring during October 2020 in accordance with the NAESB Agreement (or other agreement) between the parties. The price for such Gas shall be Buyer's weighted average cost of gas ("WACOG") for such storage field.

Supply Requirements: *Daily Call:*

On any Day during the period covered by November 1, 2020 through and including April 15, 2021, Buyer may call on Seller to deliver up to the sum of the Storage MDQ and the Transport MDQ available, which shall be 12,545 dt/day for the Months of November through and including March of the Term and reduces to 11,272 dt/day for the Month of April pursuant to the applicable TCo Rate Schedules ("Daily Call Quantity") at TCo-Hanover.

Additional Call:

In addition to the Daily Call specified above, on any Day during the period covered by November 2020 through and including April 2021, Buyer shall have the right to call on a quantity of Gas up to the contract quantity of each of the Released Assets (TCo FSS, SST and FTS) at the delivery point(s) under each such Asset. Seller's delivery obligations under this Additional Call provision and its delivery obligation pursuant to the Supply Requirements' Daily Call provision above shall not be cumulative (i.e., Buyer's right to request gas at any delivery point pursuant to the Supply Requirements provision and under this Additional Call provision shall be reduced by quantities requested at any upstream delivery point or service agreement).

Delivery Point: Unless otherwise requested pursuant to the Additional Call, the Delivery Point shall be TCo-Hanover.

Price: *Daily Call:*

At Buyer's option, the price to be paid up to 2,545 dt/day during the months of November through March and 1,272 dt/day for the first half of April to Seller for Gas delivered on any Day shall be either: (a) the storage WACOG; or (b) the price posted in *Platts Gas Daily Daily Price Survey* Midpoint for "TCo Pool" for such Day (the "Gas Daily Price"). For all volumes purchased by Buyer in excess of 2,545 dt/day and up to the applicable Daily Call Quantity, the price shall be the Gas Daily Price, plus the imputed variable costs (including fuel) to transport such Gas to the Delivery Point.

In either case, Buyer shall also pay the imputed variable costs (including fuel) to transport such Gas to the Delivery Point. Buyer's right to call on Gas priced pursuant to the storage WACOG shall be limited to the storage quantity transferred pursuant to a Transaction Confirmation executed as a result of this RFP. In no event shall Buyer's right to call on Gas priced pursuant to the storage WACOG exceed Buyer's withdrawal rights pursuant to the applicable TCo agreements.

Additional Call:

The price for any Additional Call purchases shall be the greater of (1) the Gas Daily Price plus $0.05 per dt or (2) the *Gas Daily "Daily" Index* price for Algonquin City Gates.

Winter Ending Balance: Starting Balance in the FSS field as of November 1, 2020 less any supplies called on at the storage WACOG before fuel losses as of April 16, 2021.

Storage Refill: Seller shall ensure that the storage capacity shall be returned to Buyer at a volume equal to the Staring Balances of the end of the Term. The "Refill Quantity" shall be equal to the Starting Balance minus the Winter Ending Balance.

Refill Price: The "Refill Price" shall be equal to the average of NGI's Bidweek Survey First of Month Indices for "TCo Pool", plus imputed variables to inject using FTS Contract No. 31523 for each of the six months from Maythrough October 2021.

Paper Balance: During the Term, the parties shall maintain a "Paper Balance" and shall confirm the Paper Balance on a monthly basis. The Paper Balance on any Day shall be equal to the Starting Balance minus the sum of all prior purchases nominated by Buyer at the WACOG before fuel losses plus any injections by Seller on Buyer's behalf at the ratable refill quantity from May through October 2021 net of injection fuel. Quantities nominated by Buyer at the Gas Daily Price shall not be considered for purposes of calculating the Paper Balance.

Storage Return Price: As of November 1, 2021, the Storage Return Price shall be established and will be equal to ((the Winter Ending Balance x the WACOG) + (the Refill Quantity x the Refill Price)) divided by the Starting Balance. This price will be used for the return of storage to Buyer.

Storage Return: As of the start of Gas Day November 1, 2021, 100% of the FSS storage capacity shall revert to Buyer and Seller shall sell to Buyer the Paper Balance (via an in-field transfer) at the Storage Return Price. Payment for such Gas shall be due on the payment date for Gas delivered during the month of October 2021.

Nominations: Buyer shall make all nominations orally or in writing prior to 10:00 AM prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Upon such notification, Buyer shall notify Seller of the required quantity of Gas and the price option (ie, storage WACOG or Gas Daily Price). Friday nominations shall be for Saturday through Monday (ratably) however, such nominations need not be ratable when selecting the Storage Price. Holidays are as determined by ICE and shall be treated the same as weekends (*i.e.*, nominated ratably on Business Day prior to the Holiday.

Asset Management Fee: Subject to satisfying the Gas Supply Requirements associated with the AMA, Seller shall have the right to utilize and optimize the Assets for its own account. In exchange for such right, Seller shall pay Buyer an Asset Management Fee. **As part of their Proposal(s), Bidders should specify the total proposed Asset Management Fee to be paid to Buyer.**

Form of Agreement: Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Base Contract for Sale and Purchase of Natural Gas or ISDA with a Gas Annex. Included is the form of Transaction Confirmation that National Grid proposes for execution. **As part of their Proposal(s), Bidders *must* clearly identify any required Special Conditions or exceptions to the Transaction Confirmation including, but not limited to, language related to FERC, the CFTC and any other applicable regulatory body.**

Submission of Proposals: Proposals must be submitted by the date specified in the Schedule below. Proposals should include: **(a) Seller's proposed Asset Management Payment, (b) any proposed exceptions to the Transaction Confirmation and (c) whether Seller shall require receipt of any**

additional internal approvals prior to accepting an award pursuant to this RFP.

Proposals should be sent via email to the following email address:

GasRFP@nationalgrid.com.

Any questions in connection with this RFP should be sent via email to the email address provided above.

Schedule (all times are Eastern Standard Time):

August 14, 2020	Proposals must be received by National Grid by 12:00 PM EST. **All proposals shall expressly provide that they will remain binding and in effect, without modification, until 5:00 PM on August 21, 2020.**

Miscellaneous:

National Grid will consider proposals only from bidders who have an executed NAESB Base Contract for Sale and Purchase of Natural Gas or an executed ISDA with a Gas Annex with Buyer. Any transaction entered into as a result of this RFP shall be documented as a transaction under an active NAESB Agreement or ISDA Gas Annex. Please be advised that if the winning Bidder utilizes an ISDA with a Gas Annex, this transaction will be specifically excluded from margining calculation under the Credit Support Annex.

Bidders submitting bids in response to this RFP understand and agree that unless and until a definitive Transaction Confirmation has been executed and delivered, no contract or agreement providing for a transaction between such parties shall be deemed to exist between the parties, and neither party will be under any legal obligation of any kind whatsoever with respect to such transaction by virtue of this or any written or oral expression thereof, including, but not limited to, a letter of intent or any other preliminary agreement or any other written agreement or offer. National Grid reserves the right to withdraw or modify this RFP at any time and National Grid shall have the right, in its sole and absolute discretion, to reject any or all Proposals submitted in response to this RFP.

Compliance with National Grid's Supplier Code of Conduct:

At National Grid we are always seeking to improve our reputation as a sustainable and responsible company. We believe that a responsible approach to doing business is fundamental to what we do. In all of our activities we operate within Global Standards of Ethical Conduct. These standards include a commitment to the protection and enhancement of the environment, always seeking ways to minimize the environmental impact of our past, present and future activities and safeguarding our global environment for future generations. Our goal is to comply with regulations, reduce any impact that we may have and proactively seek out opportunities to improve the environment. In furtherance of this goal, National Grid has developed a "Supplier Code of Conduct" which describes our company's values. **(Please refer to the following Link to National Grid's "Supplier Code of Conduct" - https://www.nationalgrid.com/NR/rdonlyres/027656B7-ABDB-40C0-9886-B527962B60A6/46631/SupplierCodeofConductFinalUK2011.pdf.)**

We value the business relationships we have with you and we believe that you are an important and central part of our success. This means that we expect you to carry out your business in line with these values. More specifically, we refer you to Section 4 - "Protecting the Environment". This section explains National Grid's expectations with respect to its suppliers. In connection with the purchase of natural gas, we will reject proposals from parties that fail to adhere to these requirements or who knowingly produce or purchase gas that was produced in violation of applicable laws and regulations.

John Allocca
Director of FERC Compliance and Contracting
Telephone: 516-545-3108

Liz Arangio
Director of Gas Supply Planning
Telephone: 781-907-1639

Samara Jaffe
Program Manager of FERC Compliance & Contracting
Telephone: 516-545-5408

MaryBeth Carroll
Manager of Gas Supply Planning, RI
Telephone: 516-545-3116

Janet Prag
Senior Contract Specialist of FERC Compliance & Contracting
Telephone: 516-545-5463

nationalgrid

Asset Management Arrangement ("AMA") - Transaction Confirmation Package No. 7

		Date: Transaction Confirmation #: _______________

This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposal for Asset Management Arrangements dated August 4, 2020. This transaction is subject to the Base Contract for Sale and Purchase of Natural Gas between Seller and Buyer, dated ______. ***The terms of this Transaction Confirmation will not become binding until executed by both parties.***

Seller:	**Buyer:**
Attn: ____ Phone: _______________________________________ Fax: ____ Base Contract No. _______________________________ Base Contract No._______________________________ Transporter: ___________________________________ Transporter Contract Number: _______________________	The Narragansett Electric Company d/b/a National Grid 100 East Old Country Road Hicksville, New York 11801 Attn: Contract Administration Phone: (516) 545-6068 Base Contract No. Transporter: Columbia Gas Transmission (TCo) Transporter Contract Numbers: 9630, 9631, 31523 Trader: Samara Jaffe

Contract Price: See Special Condition C below.

Term: Begin Date: November 1, 2020 End Date: October 31, 2021

Performance Obligation and Contract Quantity: See Special Conditions Below**.**

Delivery Point(s): Unless otherwise specified pursuant to this Transaction Confirmation, the Delivery Point shall be the point of interconnection between TCo and Algonquin Gas Transmission, LLC at Hanover ("TCo- Hanover)

Special Conditions:

A. Definitions

"CFTC" shall mean the U.S. Commodity Futures Trading Commission.

"Credit Support Provider" shall mean _____________.

"Dekatherm" or "Dth" or "dt" means one (1) MMBtu.

"FERC" means the Federal Energy Regulatory Commission.

"Letter of Credit" means an irrevocable, non-transferable, standby letter of credit issued by a major U.S. commercial bank, a U.S. branch office of a foreign bank, or U.S. financial institution, in any case with a credit rating of at least "A " by S&P and "A2" by Moody's, in a form reasonably acceptable to the Buyer. All costs related to any Letter of Credit shall be for the account of the Seller.

"Moody's" means Moody's Investors Services, Inc. or its successor.
"Paper Balance" means the Starting Balance minus the sum of all prior purchases nominated by Buyer at the WACOG before fuel losses plus any injections by Seller on Buyer's behalf at the ratable refill quantity from May through October 2021 net of injection fuel.
"Refill Price" shall be equal to the average of NGI's Bidweek Survey First of Month Indices for "TCo Pool", plus imputed variables to inject using FTS Contract No. 31523 for each of the six months from Maythrough October 2021.

"Refill Quantity" shall be equal to the Starting Balance minus the Winter Ending Balance.

"S&P" means Standard & Poor's Ratings Group (a division of McGraw-Hill, Inc.) or its successor.

“Starting Balance” means the TCo FSS inventory released to Seller on November 1, 2020.

“Winter Ending Balance” means the Starting Balance in the FSS field as of November 1, 2020 less any supplies called on at the storage WACOG before fuel losses as of April 16, 2021.

B. Gas Service and Capacity Release

1. Release of Assets: Buyer will release the following Assets on a pre-arranged, non-biddable basis, at no cost to Seller:

(a) TCo FSS Contract No. 9630 with a maximum storage quantity (“MSQ”) of 203,957 dt, a maximum daily injection quantity (“MDIQ”) of 2,545 dt/day and a maximum daily withdrawal quantity (“MDWQ”) of 2,545 dt/day. Such maximum rights and obligations are subject to the provisions of the TCo FSS Rate Schedule of the pipeline’s FERC Gas Tariff including, but not limited to the Maximum Monthly Injection Quantities as more fully set forth below:

MDWQ		Month Limit	Min	Max
> 30%	2,545	November	none	81,583
20-30%	2,036	December	none	81,583
10-20%	1,654	January	none	81,583
< 10%	1,272	February	20,396	61,187
Apr - Sep	1,272	March	20,396	40,791

MMIQ		MDIQ	Max Inventory	
April	30,594	1,224		
May	40,791	1,632	Feb 1	132,572
June	40,791	1,632	Apr 1	50,989
July	40,791	1,632	Jun 30	122,374
August	36,712	1,468	Aug 31	173,363
September	26,514	1,061		
October	18,356	734		
November	10,198	340		
December	20,396	680		
January	20,396	816		
February	20,396	816		
March	20,396	816		

(b) TCo SST Contract No. 9631 having a maximum daily transportation quantity (“Storage MDQ”) of 2,545 dt/day during the months of October through March with withdrawal rights from TCo FSS Contract No. 9630 for primary deliver to the point of interconnect between TCo and Algonquin Gas Transmission, LLC at Hanover (“TCo-Hanover”). During the months of April through September the Storage MDQ shall reduce to 1,272 dt/day; and

(c) TCo FTS Contract No. 31523 having a maximum daily quantity (“Transport MDQ”) of 10,000 dt/day with primary receipts located at Broad Run and primary deliver to TCo-Hanover.

Buyer shall be responsible for the payment of all demand charges related to the Assets. Seller shall be responsible for all variable costs related to the Assets not related to deliveries for Buyer. Seller shall be responsible for all incremental charges related to non-adherence or non-compliance with TCo’s FERC Gas Tariff including, but not limited to, overrun penalties and/or failure to adhere to applicable rachet provisionss

2. Transfer of Inventory: As of November 1, 2020, Buyer shall transfer and sell to Seller the inventory attributable to TCo FSS Contract No. 9630 (“Starting Balance”); the Starting Balance is expected to be ~97% of the MSQ. Seller shall be obligated to pay Buyer for such Gas by the payment date for sales occurring during October 2020 in accordance with the NAESB Agreement (or other agreement) between the parties. The price for such Gas shall be Buyer’s weighted average cost of gas (“WACOG”) for such storage field.

3. Supply Requirements:

a. Daily Call: On any Day during the period covered by November 1, 2020 through and including April 15, 2021, Buyer may call on Seller to deliver up to the sum of the Storage MDQ and the Transport MDQ available, which shall be 12,545 dt/day for the Months of November through and including March of the Term and reduces to 11,272 dt/day for the Month of April pursuant to the applicable TCo Rate Schedules (“Daily Call Quantity”) at TCo-Hanover.

b. Additional Call: In addition to the Daily Call specified above, on any Day during the period covered by November 2020 through and including April 2021, Buyer shall have the right to call on a quantity of Gas up to the contract quantity of each of the Released Assets (TCo FSS, SST and FTS) at the delivery point(s) under each such Asset. Seller’s delivery obligations under this Additional Call provision and its delivery obligation pursuant to the Supply

Requirements' Daily Call provision above shall not be cumulative (i.e., Buyer's right to request gas at any delivery point pursuant to the Supply Requirements provision and under this Additional Call provision shall be reduced by quantities requested at any upstream delivery point or service agreement).

4. Storage Refill: Seller shall ensure that the storage capacity shall be returned to Buyer at a volume equal to the Staring Balances of the end of the Term. The "Refill Quantity" shall be equal to the Starting Balance minus the Winter Ending Balance.

5. Paper Balance: During the Term, the parties shall maintain a "Paper Balance" and shall confirm the Paper Balance on a monthly basis. The Paper Balance on any Day shall be equal to the Starting Balance minus the sum of all prior purchases nominated by Buyer at the WACOG before fuel losses plus any injections by Seller on Buyer's behalf at the ratable refill quantity from May through October 2021 net of injection fuel. Quantities nominated by Buyer at the Gas Daily Price shall not be considered for purposes of calculating the Paper Balance.

6. Storage Return: As of the start of Gas Day November 1, 2021, 100% of the FSS storage capacity shall revert to Buyer and Seller shall sell to Buyer the Paper Balance (via an in-field transfer) at the Storage Return Price. Payment for such Gas shall be due on the payment date for Gas delivered during the month of October 2021.

7. Termination Option: If at any time during the Term, Seller fails to deliver Gas required to be delivered hereunder (a "Delivery Failure"), unless such failure is excused by the Buyer's non-performance or caused by Force Majeure, Buyer shall have the right to terminate this Transaction Confirmation and recall the Assets.

C. Price

1. Supply Requirements Price:

a. Daily Call: At Buyer's option, the price to be paid up to 2,545 dt/day during the months of November through March and 1,272 dt/day for the first half of April to Seller for Gas delivered on any Day shall be either: (a) the storage WACOG; or (b) the price posted in *Platts Gas Daily Daily Price Survey* Midpoint for "TCo Pool" for such Day (the "Gas Daily Price"). For all volumes purchased by Buyer in excess of 2,545 dt/day and up to the applicable Daily Call Quantity, the price shall be the Gas Daily Price, plus the imputed variable costs (including fuel) to transport such Gas to the Delivery Point.

In either case, Buyer shall also pay the imputed variable costs (including fuel) to transport such Gas to the Delivery Point. Buyer's right to call on Gas priced pursuant to the storage WACOG shall be limited to the storage quantity transferred pursuant to a Transaction Confirmation executed as a result of this RFP. In no event shall Buyer's right to call on Gas priced pursuant to the storage WACOG exceed Buyer's withdrawal rights pursuant to the applicable TCo agreements.

b. Additional Call: The price for any Additional Call purchases shall be the greater of (1) the Gas Daily Price plus $0.05 per dt or (2) the *Gas Daily "Daily" Index* price for Algonquin City Gates.

2. **Storage Return Price:** As of November 1, 2021, the Storage Return Price shall be established and will be equal to ((the Winter Ending Balance x the WACOG) + (the Refill Quantity x the Refill Price)) divided by the Starting Balance. This price will be used for the return of storage to Buyer.

D. Nominations

Buyer shall make all nominations orally or in writing prior to 10:00 AM prevailing Eastern Standard Time on the Business Day prior to the Gas Day on which delivery of Gas is requested. Upon such notification, Buyer shall notify Seller of the required quantity of Gas and the price option (ie, storage WACOG or Gas Daily Price). Friday nominations shall be for Saturday through Monday (ratably) however, such nominations need not be ratable when selecting the Storage Price. Holidays are as determined by ICE and shall be treated the same as weekends (i.e., nominated ratably on Business Day prior to the Holiday.

E. Asset Management Fee

Subject to the delivery obligations set forth above, Seller shall have the right to optimize the Assets for its own account. In exchange for such right, during the Term, Seller shall make a payment to Buyer of $______________________ per Month. This payment shall be reflected as a credit to Buyer in Seller's invoice for the applicable Month.

F. Credit Provisions

Independent Amount. In the event Seller (i) has a Credit Rating at or below BBB- from S&P and/or Baa3 from Moody's, or (ii) is unrated, Seller shall provide Buyer with an Independent Amount in the form of either (a) a guaranty from a Credit Support Provider rated at least BBB- by S&P and/or Baa3 by Moody's, (b) cash, or (c) a Letter of Credit, in either case, in an amount equal to 10% of the potential mark to market exposure for the transactions hereunder calculated as a function of price volatilities as well as the notional volume; provided, however, that the potential mark to market exposure shall be zero (0) when Seller's price is set at the Gas Daily Index.

Collateral Requirement. The "Collateral Requirement" for Seller means the Exposure (as defined below), minus the sum of (i) the amount of Cash previously transferred by Seller to National Grid, (ii) the amount of Cash held by National Grid as posted collateral as the result of drawing under any Letter of Credit maintained by Seller for the benefit of National Grid ("Letter of Credit"), and (iii) the undrawn value of each Letter of Credit ; provided, however, that the Collateral Requirement of Seller will be deemed to be zero (0) if on the relevant Valuation Date, (i) no Event of Default with respect to Seller or its Credit Support Provider has occurred and is continuing, and (ii) the guaranty provided by Seller is in full force and effect. The "Collateral Requirement" for National Grid means zero (0).

Exposure. shall be calculated as the sum of:

(i) all amounts that have been invoiced, but not yet paid for the transactions under this Transaction Confirmation; plus
(ii) all amounts that have been accrued, but not yet invoiced for the transactions under this Transaction Confirmation; plus
(iii) the mark to market amount for each Day remaining in the term for each transaction under this Transaction Confirmation; reduced by
(iv) the Independent Amount, if any, previously provided by the Seller to the Buyer**.**

G. Asset Management Arrangement

It is the intention of the parties to structure this transaction as an AMA as defined by the FERC in Order 712 (as modified and clarified) and in accordance with FERC's rules and regulations. Seller is acting as an Asset Manager as defined in 18 CFR 284.8(h)(3). If it is determined that this transaction does not constitute an AMA, the parties agree to modify the transaction as required while maintaining, to the extent possible, the economics of the transaction.

H. Changes in Law

If the FERC , the CFTC, or other applicable regulatory body shall implement any change in law, rule, regulation, tariff or practice that is binding on Seller or Buyer and materially and adversely affects such party's ability to perform its obligations hereunder, the parties shall negotiate in good faith an amendment to this Transaction Confirmation or take other appropriate action the effect of which is to restore each party, as closely as possible, to its same position as prior to such change. If the parties are unable to agree on such amendment or such other appropriate action, each party will continue to perform its obligations hereunder to the maximum extent possible under the applicable law, rule, regulation, tariff or practice, taking all reasonable steps to mitigate the effect of such change on each other or either party may terminate this Transaction Confirmation upon Notice to the other party.

Seller:	**Buyer: The Narragansett Electric Company d/b/a National Grid**
By: ____________________________ Title: ____________________________ Date: ____________________________	By: ____________________________ John Vaughn Authorized Signatory Date: ____________________________

Attachments of Ryan M. Scheib and Michael J. Pini

Attachment RMS/MJP-1 Second Revision
Gas Cost Recovery Factors

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

	Source				
Description (a)	Reference (b)	Line # (c)	High Load[1] (d)	Low Load[2] (e)	FT-2 Mkter[3] (f)
(1) Fixed Cost Factor - $/dktherm	RMS/MJP-1 Second Revision, pg 2	Line (17)	$2.0889	$2.7403	
(2) Variable Cost Factor -$/dktherm	RMS/MJP-1 Second Revision, 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		**$0.5093**	**$0.5757**	
(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%	

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

REDACTED

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5066
Attachment RMS/MJP-1 Second Revision
Redacted
Page 1 of 16

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

	Description (a)	Source: Reference (b)	Source: Line # (c)	Amount (d)	High Load Factor Total (e)	Low Load Factor Total (f)
(1)	Fixed Costs (net of Cap Rel to marketers)	RMS/MJP-1 Second Revision, pg 5	Line (44)	$83,251,969		
	Less:					
(2)	NGPMP Customer Benefit	GSP-1		($5,251,052)		
(3)	Interruptible Costs			$0		
(4)	FT-2 Storage Demand Costs	RMS/MJP-5 Second Revision, pg 2	Line (25)	($2,868,079)		
(5)	System Pressure to DAC	GSP-1 Second Revision, pg 12		($6,109,925)		
(6)	Refunds			$0		
(7)	Total Credits	Sum[(2):(6)]		($14,229,056)		
	Plus:					
(8)	Supply Related LNG O&M Costs	Dkt 4770	Compliance Attachment 2 Schedule 32 Pg 5	$829,823	$829,823	$69,152
(9)	Working Capital Requirement	RMS/MJP-1 Second Revision, pg 9	Line (16)	$583,556		
(10)	Deferred Fixed Cost Over-recovered	RMS/MJP-1 Second Revision, 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 Second Revision, 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 Second Revision, pg 12	Line (9)	27,208,322	645,959	26,562,363
(17)	Fixed Factor	(15) ÷ (16)			**$2.0889**	**$2.7403**

(16) Col (e): RMS/MJP-1 Second Revision page 12, Sum[Lines (1), (6), (8)]
Col (f): RMS/MJP-1 Second Revision page 12, Sum[Lines (2)-(5), (7)]

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

	Description	Source: Reference	Source: Line #	Amount
	(a)	(b)	(c)	(d)
(1)	Variable Costs, excluding Refunds	RMS/MJP-1 Second Revision, 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 Second Revision, pg 6	Line (76)	$0
(5)	Total Credits	Sum [(2):(4)]		$0
	Plus:			
(6)	Working Capital	RMS/MJP-1 Second Revision, pg 9	Line (32)	$554,887
(7)	Deferred Variable Cost Under-recovered	RMS/MJP-1 Second Revision, pg 7	Line (35)	$4,210,357
(8)	Supply Related LNG O&M	Docket 4770	Compliance Attachment 2 Schedule 32 Pg 5 Ln 15 - Ln 12	$302,244
(9)	Inventory Financing - LNG	RMS/MJP-1 Second Revision, pg 11	Line (22)	$239,415
(10)	Inventory Financing - Storage	RMS/MJP-1 Second Revision, pg 11	Line (12)	$452,816
(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 Second Revision, pg 12	Line (9)	27,208,322
(14)	Variable Cost Factor	(12) ÷ (13)		**$2.9076**

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

Description (a)	Reference (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)	Nov-Oct (o)
Supply Fixed Costs - Pipeline Delivery														
(1) Dawn to E Here	GSP-1 Second Revision	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$996,831	$11,961,968
(2) Dawn to WADDY	GSP-1 Second Revision	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$22,646	$271,755
(3) Dominion SP	GSP-1 Second Revision	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$7,134	$85,614
(4) Dracut	GSP-1 Second Revision	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$85,024	$1,020,288
(5) Everett	GSP-1 Second Revision	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$106,280	$1,275,360
(6) Manchester Lateral	GSP-1 Second Revision	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$209,758	$2,517,098
(7) Millennium/AIM	GSP-1 Second Revision	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$756,864	$9,082,364
(8) Niagara	GSP-1 Second Revision	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$6,842	$82,103
(9) TCO (Pool)	GSP-1 Second Revision	$515,268	$515,268	$515,268	$695,725	$695,725	$695,725	$695,725	$695,725	$695,725	$695,725	$695,725	$695,725	$7,807,332
(10) AGT M3	GSP-1 Second Revision	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$126,790	$1,521,482
(11) TETCO SCT Long Haul	GSP-1 Second Revision	$17,982	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$17,979	$215,751
(12) TETCO CDS Long Haul	GSP-1 Second Revision	$1,001,576	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$1,001,410	$12,017,091
(13) Transco Leidy	GSP-1 Second Revision	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$9,429	$113,147
(14) Yankee Interconnect	GSP-1 Second Revision	$46,961	$46,961	$44,292	$44,292	$44,292	$44,292	$44,292	$44,292	$44,292	$44,292	$44,292	$44,292	$536,843
(15) TGP Long Haul	GSP-1 Second Revision	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$458,965	$5,507,585
(16) TGP ConneXion	GSP-1 Second Revision	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$214,803	$2,577,641
(17) AMA Credits	GSP-1 Second Revision	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($108,075)	($1,296,899)
(18) Less Credits from Mkter Releases	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(19) Total Supply Fixed Costs - Pipeline	Sum[(1) (18)]	$4,475,079	$4,474,911	$4,472,242	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$55,296,522
Supply Fixed - Supplier														
(20) Distrigas FCS	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(21) Total	(20)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(22) Total Supply Fixed (Pipeline & Supplier)	(20) + (21)	$4,475,079	$4,474,911	$4,472,242	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$4,652,699	$55,296,522
Storaged Fixed Costs - Facilities														
(23) Columbia FSS	GSP-1 Second Revision	$9,694	$9,694	$9,694	$23,199	$23,199	$23,199	$23,199	$23,199	$23,199	$23,199	$23,199	$23,199	$237,871
(24) Dominion GSS	GSP-1 Second Revision	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$36,391	$436,695
(25) Dominion GSSTE	GSP-1 Second Revision	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$46,764	$561,168
(26) Providence LNG	GSP-1 Second Revision	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$1,964,880
(27) Tennessee FSMA	GSP-1 Second Revision	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$43,258	$519,091
(28) Tetco FSS1	GSP-1 Second Revision	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$3,499	$41,987
(29) Tetco SS1	GSP-1 Second Revision	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$132,468	$1,589,620
(30) Total Fixed Storage Costs	Sum[(23):(29)]	$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

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

Description (a)	Reference (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)	Nov-Oct (o)
Storage Fixed Costs - Delivery														
(31) Storage Delivery	GSP-1 Second Revision	$449,175	$449,175	$449,175	$463,689	$463,689	$432,910	$432,910	$432,910	$432,910	$432,910	$432,910	$432,910	$5,305,275
(32) LNG	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(33) Proposed CNG/LNG	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(34) Everett Supply Deal	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(35) Dracut Supply Deal	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(36) Everett Supply Deal2	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(37) Summer Liquid Refill	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(38) Summer Trucking	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(39) AGT Citygate	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(40) Winter Trucking	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(41) Proposed Summer Liquid	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(42) Storage Delivery Fixed Cost	Sum[(31):(41)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(43) Total Storage Fixed	(30) + (42)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(44) Total Fixed Costs	(22)+(30)+(42)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$83,251,969

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

Description (a)	Reference (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)	Nov-Oct (o)
Variable Commodity Costs														
(45) AGT Citygate	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(46) AIM at Ramapo	GSP-1 Second Revision	$17,030	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$17,030
(47) Const Summer Refill	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(48) Const Winter Refill	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(49) Dawn via IGTS	GSP-1 Second Revision	$0	$15,180	$50,479	$34,727	$0	$0	$0	$0	$0	$0	$0	$0	$100,386
(50) Dawn via PNGTS	GSP-1 Second Revision	$48,791	$586,765	$1,406,183	$1,185,084	$564,378	$0	$0	$0	$0	$0	$0	$0	$3,791,201
(51) Dominion SP	GSP-1 Second Revision	$29,391	$43,209	$45,094	$40,423	$42,887	$37,198	$0	$0	$0	$0	$0	$0	$238,202
(52) Dracut Supply	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$89,874	$121	$0	$0	$0	$0	$89,994
(53) Everett Long-Term	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(54) Everett Swing	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(55) Millennium	GSP-1 Second Revision	$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	GSP-1 Second Revision	$6,876	$88,864	$92,733	$83,668	$70,346	$854	$0	$0	$0	$0	$0	$0	$343,341
(57) TCO Appalachia	GSP-1 Second Revision	$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) Tetco M3	GSP-1 Second Revision	$294,398	$65,865	$0	$13,092	$233,821	$1,274,174	$1,745,082	$957,098	$0	$0	$1,374,113	$1,168,975	$7,126,618
(59) Transco Leidy	GSP-1 Second Revision	$43,215	$58,285	$91,810	$78,337	$46,008	$4,692	$4,638	$4,497	$4,812	$4,737	$4,168	$4,420	$349,620
(60) Waddington	GSP-1 Second Revision	$5,182	$28	$0	$39	$18,522	$0	$0	$0	$0	$0	$0	$0	$23,770
(61) Nextera Summer Refill	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(62) Tetco M2 CDS	GSP-1 Second Revision	$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
(63) Tetco M2 SCT	GSP-1 Second Revision	$25,123	$22,322	$69,507	$51,280	$26,849	$0	$0	$0	$0	$0	$0	$0	$195,081
(64) TGP Z4 Cnx	GSP-1 Second Revision	$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
(65) TGP Z4 LH	GSP-1 Second Revision	$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	Sum[(45):(65)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Variable Storage Costs														
(67) Underground Storage	GSP-1 Second Revision	$94,604	$1,727,309	$2,259,883	$2,014,184	$1,598,037	$0	$0	$0	$0	$0	$0	$0	$7,694,016
(68) LNG Withdrawals and Trucking	GSP-1 Second Revision	$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
(69) Total Variable Storage Costs	(67) + (68)	$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
Variable Transportation Costs														
(70) Variable Costs for Purchases to City Gate	GSP-1 Second Revision	$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	GSP-1 Second Revision	$7,093	$114,109	$149,339	$131,915	$103,832	$0	$0	$0	$0	$0	$0	$0	$506,287
(72) Variable Cost for Storage Injection	GSP-1 Second Revision	$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	Sum[(70):(72)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Injections														
(74) Cost of Injections	GSP-1 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(75) Variable Cost for Storage Injection	GSP-1 Second Revision	$0	$0	$0	$0	($140,488)	($71,640)	($107,730)	($97,909)	($43,230)	($59,460)	($93,325)	($71,934)	($685,717)
(76) Refunds	GSP-1 Second Revision	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(77) Total Injections	Sum[(74):(76)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Hedging Impact														
(78) Hedging Impact	JMP-5	$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	(66)+(69)+(73)+(77) +(78)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$73,352,280
(80) Total Supply Costs	(44) + (79)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$156,604,249
Storage Costs for FT-2 Calculation														
(81) Storage Fixed Costs - Facilities	(30)	$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	(42)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(83) Total Storage Costs	(81) + (82)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

The Narragansett Electric Company
d/b/a National Grid
Docket No 5066
Attachment RMS/MJP-1 Second Revision
Redacted
Page 7 of 16

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

	Description	Nov-19 actual	Dec-19 actual	Jan-20 actual	Feb-20 actual	Mar-20 actual	Apr-20 actual	May-20 actual	Jun-20 actual	Jul-20 actual	Aug-20 forecast	Sep-20 forecast	Oct-20 forecast	Nov-Oct
(1)	# of Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(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)	($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	$76,722,651
(5)	Reservation Charge _ Crary Street	$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	$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)	($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	$580,383
(9)	Total Supply Fixed Costs	$5,969,924	$8,825,827	$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	$73,195,311
(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	$1,759,777	$2,109,531	$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	$3,437,449	$3,087,695	$11,068,461
(12)	Prelim Ending Under/(Over) Recovery	($6,083,378)	($5,536,847)	($8,013,147)	($8,621,965)	($8,448,450)	($9,701,664)	($12,414,782)	($9,476,763)	($6,092,360)	($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)	($914,953)	$2,346,679	
(14)	Interest Rate (BOA Prime minus 200 bps)	2 75%	2 75%	2 75%	2 75%	1 78%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	
(15)	Interest Applied	($14,845)	($13,593)	($15,840)	($17,563)	($12,933)	($9,330)	($11,745)	($11,252)	($8,270)	($4,634)	($940)	$2,491	($118,454)
(16)	Marketer Reconcilation	($4,641)	$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)	$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	$3,708,802	$3,532,859	$5,109,999
(20)														
(21)	Variable Supply Costs	$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	$1,712,077	$3,009,939	$75,399,873
(22)	Supply Related System Pressure to DAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(23)	Supply Related LNG O&M	$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
(24)	Inventory Financing - LNG	$25,458	$24,655	$24,006	$24,744	$24,319	$23,875	$23,482	$23,089	$23,331	$13,876	$16,908	$16,893	$264,636
(25)	Inventory Financing - UG	$80,040	$73,770	$67,115	$59,355	$53,426	$52,404	$56,661	$58,782	$62,219	$41,089	$51,005	$60,943	$716,811
(26)	Working Capital	$70,129	$98,562	$100,006	$89,553	$63,645	$47,598	$22,566	$16,083	$14,473	$12,041	$12,951	$22,769	$570,377
(27)	Total Supply Variable Costs	$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	$1,818,128	$3,135,732	$77,253,941
(28)	Supply Variable - Revenue	$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	$1,955,074	$1,997,790	$2,462,342	$78,311,601
(29)	Monthly Under/(Over) Recovery	$3,513,523	$2,526,638	($612,396)	$443,979	($1,815,967)	($1,810,951)	($3,351,760)	($391,912)	$218,566	($271,109)	($179,662)	$673,390	($1,057,660)
(30)	Prelim Ending Under/(Over) Recovery	$8,623,522	$11,186,407	$10,597,188	$11,066,633	$9,273,544	$7,478,005	$4,134,858	$3,749,115	$3,971,734	$3,704,725	$3,529,141	$4,206,249	$4,052,339
(31)	Month's Average Balance	$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	$3,618,972	$3,869,554	
(32)	Interest Rate (BOA Prime minus 200 bps)	2 75%	2 75%	2 75%	2 75%	1 78%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	
(33)	Interest Applied	$15,521	$23,177	$25,466	$22,878	$15,412	$8,613	$6,169	$4,053	$4,101	$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	$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	$3,708,802	$3,532,859	$4,210,357	$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)	$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	$7,367,423	$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	$54,965	$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	$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)	($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	$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	$11,558,842	$4,880,850	$3,450,206	$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)	($148,999)	($1,624,889)	($3,051,233)	($6,055,548)	$2,557,852	$3,614,221	$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	$2,444,668	$825,094	($2,223,660)	($8,279,924)	($5,727,648)	($2,120,626)	$1,075,682	$4,332,913	$8,096,776	$8,063,811
(46)	Month's Average Balance	$296,577	$4,103,232	$4,121,592	$2,519,168	$1,637,538	($698,043)	($5,252,151)	($7,006,574)	($3,927,736)	($524,557)	$2,704,019	$6,216,233	
(47)	Interest Rate (BOA Prime minus 200 bps)	2 75%	2 75%	2 75%	2 75%	1 78%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	1 25%	
(48)	Interest Applied	$676	$9,584	$9,626	$5,314	$2,479	($717)	($5,576)	($7,199)	($4,170)	($557)	$2,778	$6,599	$18,838
(49)	Gas Purchase Plan Incentives/(Penalties)	$20,726	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$20,726
(50)			$0	$0		$0	$0	$0	$0	$0	$0	$0	$0	
(51)	Ending Under/(Over) Recovery W/ Interest	$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)	$1,075,125	$4,335,691	$\boxed{\$8,103,375}$	$8,103,375

Source: Docket No 4963 filed on August 20, 2020

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

	Description (a)	Nov-20 fcst (b)	Dec-20 fcst (c)	Jan-21 fcst (d)	Feb-21 fcst (e)	Mar-21 fcst (f)	Apr-21 fcst (g)	May-21 fcst (h)	Jun-21 fcst (i)	Jul-21 fcst (j)	Aug-21 fcst (k)	Sep-21 fcst (l)	Oct-21 fcst (m)	Total Nov-Oct (n)
(1)	I Fixed Cost Revenue													
(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	
(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	
(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)	II Variable Cost Revenue													
(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	
(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 Second Revision, pg 12, Sum [Lines (2)-(5), (7)]
(3) RMS/MJP-1 Second Revision, pg 1, Line 1, col (e)
(4) Line (2) x Line (3)
(5) RMS/MJP-1 Second Revision, pg 12, Sum [Lines (1), (6), (8)]
(6) RMS/MJP-1 Second Revision, pg 1, Line 1, col (d)
(7) Line (5) x Line (6)
(8) Line (2) + Line (5)
(9) [RMS/MJP-5 Second Revision, pg 2, Line (25)] ÷ 12
(10) Sum[Lines (4), (7), (9)]
(12) Line (8)
(13) RMS/MJP-1 Second Revision, pg 1, Line (2)
(14) Line (12) x Line (13)
(15) Line (14)
(16) Line (10) + Line (15)

REDACTED

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	$9,219,495	$9,216,825	$9,425,301	$9,425,301	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$83,251,969
(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)	($1,484,969)	($1,484,969)	($1,484,969)	($1,484,969)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($6,109,925)
(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	
(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	
(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%	
(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	
(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%	
(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	
(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	
(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	
(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	
(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	
(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	
(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%	
(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	
(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%	
(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	
(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	
(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	
(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	
(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 Second Revision, Pg 2, Line (1)
(3) GSP-1 Second Revision, 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) RMS/MJP-1 Second Revision, Pg 6, Line (74)
(20) RMS/MJP-1 Second Revision, 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 (j)	Aug-21 (k)	Sep-21 (l)	Oct-21 (m)	Total (n)
(33) Storage Fixed Costs	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(34) Less: System Pressure to DAC													
(35) Less: Credits													
(36) Plus: Supply Related LNG O&M Costs													
(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	
(39) Working Capital Requirement	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(40) 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%	
(41) Return on Working Capital Requirement	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(42) 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%	
(43) Interest Expense	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(44) Taxable Income	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(45) 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	
(46) Return and Tax Requirement	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(47) Storage Fixed Working Capital Requirement	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$165,255

(33) RMS/MJP-1 Second Revision, 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)

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The Narragansett Electric Company
d/b/a National Grid
Docket No 5066
Attachment RMS/MJP-1 Second Revision
Redacted
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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 Second Revision	$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	
(2) Hedging		$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	
(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%	
(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%	
(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	
(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	
(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 Second Revision	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]		[redacted]	[redacted]	
(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%	
(15) Return on Working Capital Requirement	(13) x (14)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$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%	
(17) Interest Charges Financed	(13) x (16)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$822,091
(18) Taxable Income	(15) - (17)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
(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	
(20) Return and Tax Requirement	(18) ÷ (19)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$2,050,893
(21) Working Capital Requirement	(17) + (20)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$2,872,984
(22) LNG-Related Inventory Costs	(21) ÷ 12	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$239,415
(23) Total Inventory Financing Costs	(12) + (22)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$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)
	SALES													
(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)	**Total Sales**	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
	TRANSPORTATION													
(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)	**Total FT Transportation**	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
	Total THROUGHPUT													
(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)	**Total Throughput**	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: Attachement TEP-1

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

	Rate Class (a)	Reference	Line #	Nov-20 (b)	Dec-20 (c)	Jan-21 (d)	Feb-21 (e)	Mar-21 (f)	Total (g)	% (h)
	SALES (dth)									
(1)	Residential Non-Heating	RMS/MJP-1 Second Revision, pg 16	Line (70)	23,931	41,489	55,558	62,154	42,084	225,216	1.06%
(2)	Residential Heating	RMS/MJP-1 Second Revision, 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	RMS/MJP-1 Second Revision, pg 16	Line (72)	148,064	340,337	515,238	588,433	373,282	1,965,354	9.24%
(4)	Medium C&I	RMS/MJP-1 Second Revision, pg 16	Line (74)	251,370	463,664	635,459	728,256	484,174	2,562,924	12.05%
(5)	Large LLF	RMS/MJP-1 Second Revision, pg 16	Line (76)	42,773	93,612	135,173	153,771	108,056	533,385	2.51%
(6)	Large HLF	RMS/MJP-1 Second Revision, pg 16	Line (78)	17,582	24,007	30,109	30,790	25,133	127,622	0.60%
(7)	Extra Large LLF	RMS/MJP-1 Second Revision, pg 16	Line (80)	6,979	12,999	16,110	18,286	13,887	68,260	0.32%
(8)	Extra Large HLF	RMS/MJP-1 Second Revision, 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%

REDACTED

2020/2021 Design Day Send Out

(12)	Pipeline	212,822	Dktherm
(13)	Underground Storage	42,721	Dktherm
(14)	LNG	[redacted]	Dktherm
(15)	Total Projected 2020/2021 Design Day	[redacted]	Dktherm

(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)]

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5066
Attachment RMS/MJP-1 Second Revision
Redacted
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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	16,837	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

Baseload

		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
		30	31	31	29	31	30	31	30	31	31	30	31	
(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

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Derivation of Monthly Design Sales

Heat Volumes

	(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)
(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	0	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
(52)	**Normal Billing DD**	**437**	**760**	**1011**	**1125**	**935**	**673**	**262**	**131**	**19**	**0**	**13**	**156**	**5522**

Heat Factors

	(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
(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
(68)	**NormalBilling DD**	**437**	**760**	**1011**	**1125**	**935**	**673**	**262**	**131**	**19**	**0**	**13**	**156**	**5522**
(69)	**DesignBilling DD**	**495**	**883**	**1176**	**1308**	**958**	**771**	**292**	**154**	**27**	**0**	**9**	**177**	**6250**

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Derivation of Monthly Design Sales

Design Sales

		Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-Oct
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
(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: Attachement TEP-1

Attachment RMS/MJP-2
Annual GCR Reconciliation Filing

REDACTED

Deferred Gas Cost Balances

	Description	Apr-19 Actual	May-19 Actual	Jun-19 Actual	Jul-19 Actual	Aug-19 Actual	Sep-19 Actual	Oct-19 Actual	Nov-19 Actual	Dec-19 Actual	Jan-20 Actual	Feb-20 Actual	Mar-20 Actual	Apr-Mar
(1)	# of Days in Month	30	31	30	31	31	30	31	30	31	31	28	31	365
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(2)	I Fixed Cost Deferred													
(3)	Beginning Under/(Over) Recovery	($10,178,562)	($15,354,534)	($16,918,562)	($15,686,922)	($13,431,804)	($11,123,421)	($9,054,997)	($7,052,348)	($6,102,864)	($5,550,440)	($8,028,986)	($8,639,528)	($10,178,562)
(4)	Supply Fixed Costs (net of cap rel)	$4,743,933	$4,553,884	$4,848,986	$4,764,467	$4,722,839	$4,804,663	$5,009,434	$6,327,903	$8,645,307	$8,638,059	$8,536,820	$8,602,536	$74,198,830
(5)	System Pressure to DAC (Res Chge - Crary St)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(6)	Supply Related LNG O&M	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$590,121	$539,696	$303,380	($118,633)	$1,867,779
(7)	NGPMP Credits	($333,333)	($333,333)	($333,333)	($333,333)	($333,333)	($600,550)	($333,333)	($475,000)	($475,000)	($1,004,242)	($475,000)	($221,260)	($5,251,052)
(8)	Working Capital	$35,972	$34,531	$36,769	$36,128	$35,812	$36,432	$37,985	$47,869	$65,399	$65,344	$64,578	$65,076	$561,895
(9)	Total Supply Fixed Costs	$4,515,723	$4,324,233	$4,621,573	$4,536,414	$4,494,470	$4,309,698	$4,783,238	$5,969,924	$8,825,827	$8,238,857	$8,429,778	$8,327,717	$71,377,452
(10)	Supply Fixed - Revenue	$9,655,022	$5,840,364	$3,343,103	$2,238,081	$2,152,244	$2,214,359	$2,760,095	$5,000,953	$8,259,810	$10,701,564	$9,022,756	$8,136,639	$69,324,990
(11)	Monthly Under/(Over) Recovery	($5,139,299)	($1,516,131)	$1,278,470	$2,298,333	$2,342,226	$2,095,339	$2,023,143	$968,971	$566,017	($2,462,707)	($592,978)	$191,078	$2,052,461
(12)	Prelim Ending Under/(Over) Recovery	($15,317,861)	($16,870,665)	($15,640,091)	($13,388,589)	($11,089,578)	($9,028,082)	($7,031,854)	($6,083,378)	($5,536,847)	($8,013,147)	($8,621,965)	($8,448,450)	($8,126,101)
(13)	Month's Average Balance	($12,748,211)	($16,112,600)	($16,279,326)	($14,537,756)	($12,260,691)	($10,075,752)	($8,043,426)	($6,567,863)	($5,819,855)	($6,781,793)	($8,325,475)	($8,543,989)	
(14)	Interest Rate (BOA Prime minus 200 bps)	3.50%	3.50%	3.50%	3.50%	3.25%	3.25%	3.00%	2.75%	2.75%	2.75%	2.75%	1.78%	
(15)	Interest Applied	($36,673)	($47,896)	($46,831)	($43,215)	($33,843)	($26,915)	($20,494)	($14,845)	($13,593)	($15,840)	($17,563)	($12,933)	($330,641)
(16)	Marketer Reconcilation	$0	$0	$0	$0	$0	$0	$0	($4,641)	$0	$0	$0	$0	($4,641)
(17)	Fixed Ending Under/(Over) Recovery	($15,354,534)	($16,918,562)	($15,686,922)	($13,431,804)	($11,123,421)	($9,054,997)	($7,052,348)	($6,102,864)	($5,550,440)	($8,028,986)	($8,639,528)	($8,461,383)	($8,461,383)
(18)	II Variable Cost Deferred													
(19)	Beginning Under/(Over) Recovery	$15,610,587	$9,875,091	$6,657,384	$5,364,603	$5,145,112	$4,992,076	$4,922,278	$5,109,999	$8,659,769	$11,209,584	$10,622,654	$11,089,511	$15,610,587
(20)	Variable Supply Costs	$5,203,973	$3,500,697	$2,291,416	$1,964,297	$1,933,479	$2,080,032	$3,008,264	$9,270,622	$13,029,252	$13,220,051	$11,838,236	$8,413,386	$75,753,703
(21)	Supply Related System Pressure to DAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(22)	Supply Related LNG O & M	$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)	Inventory Financing - LNG	$25,905	$26,524	$26,234	$25,872	$26,074	$25,921	$25,788	$25,458	$24,655	$24,006	$24,744	$24,319	$305,500
(24)	Inventory Financing - UG	$41,121	$46,491	$51,042	$58,392	$66,079	$74,543	$79,961	$80,040	$73,770	$67,115	$59,355	$53,426	$751,336
(25)	Working Capital	$39,460	$26,545	$17,375	$14,895	$14,661	$15,772	$22,811	$70,129	$98,562	$100,006	$89,553	$63,645	$573,414
(26)	Total Supply Variable Costs	$5,335,646	$3,625,444	$2,411,253	$2,088,642	$2,065,480	$2,221,454	$3,162,011	$9,471,436	$13,251,426	$13,436,365	$12,037,076	$8,579,963	$77,686,197
(27)	Supply Variable - Revenue	$11,107,747	$6,867,686	$3,721,301	$2,323,731	$2,232,487	$2,304,477	$2,987,055	$5,957,913	$10,724,788	$14,048,760	$11,593,097	$10,395,930	$84,264,973
(28)	Monthly Under/(Over) Recovery	($5,772,102)	($3,242,242)	($1,310,048)	($235,089)	($167,007)	($83,023)	$174,956	$3,513,523	$2,526,638	($612,396)	$443,979	($1,815,967)	($6,578,776)
(29)	Prelim Ending Under/(Over) Recovery	$9,838,486	$6,632,848	$5,347,336	$5,129,515	$4,978,105	$4,909,054	$5,097,234	$8,623,522	$11,186,407	$10,597,188	$11,066,633	$9,273,544	$9,031,811
(30)	Month's Average Balance	$12,724,537	$8,253,969	$6,002,360	$5,247,059	$5,061,608	$4,950,565	$5,009,756	$6,866,760	$9,923,088	$10,903,386	$10,844,643	$10,181,527	
(31)	Interest Rate (BOA Prime minus 200 bps)	3.50%	3.50%	3.50%	3.50%	3.25%	3.25%	3.00%	2.75%	2.75%	2.75%	2.75%	1.78%	
(32)	Interest Applied	$36,605	$24,536	$17,267	$15,597	$13,971	$13,224	$12,765	$15,521	$23,177	$25,466	$22,878	$15,412	$236,418
(33)	Gas Procurement Incentive/(penalty)	$0	$0	$0	$0	$0	$0	$0	$20,726	$0	$0	$0	$0	$20,726
(34)	Variable Ending Under/(Over) Recovery	$9,875,091	$6,657,384	$5,364,603	$5,145,112	$4,992,076	$4,922,278	$5,109,999	$8,659,769	$11,209,584	$10,622,654	$11,089,511	$9,288,955	$9,288,955
(35)	**GCR Deferred Summary**													
(36)	Beginning Under/(Over) Recovery	$5,432,025	($5,479,443)	($10,261,177)	($10,322,319)	($8,286,692)	($6,131,345)	($4,132,719)	($1,942,350)	$2,556,905	$5,659,143	$2,593,668	$2,449,983	$5,432,025
(37)	Gas Costs	$10,042,244	$8,148,919	$7,234,741	$6,823,103	$6,750,657	$6,979,034	$8,112,037	$15,688,223	$22,289,867	$22,422,992	$20,703,623	$16,922,475	$152,117,915
(38)	Inventory Finance	$67,026	$73,016	$77,276	$84,264	$92,153	$100,463	$105,749	$105,498	$98,425	$91,121	$84,100	$77,746	$1,056,836
(39)	Working Capital	$75,432	$61,076	$54,144	$51,022	$50,473	$52,205	$60,796	$117,998	$163,961	$165,350	$154,131	$128,720	$1,135,309
(40)	NGPMP Credits	($333,333)	($333,333)	($333,333)	($333,333)	($333,333)	($600,550)	($333,333)	($475,000)	($475,000)	($1,004,242)	($475,000)	($221,260)	($5,251,052)
(41)	Total Costs	$9,851,369	$7,949,677	$7,032,827	$6,625,056	$6,559,950	$6,531,152	$7,945,249	$15,436,719	$22,077,253	$21,675,222	$20,466,854	$16,907,681	$149,059,008
(42)	Revenue	$20,762,769	$12,708,051	$7,064,404	$4,561,811	$4,384,731	$4,518,836	$5,747,149	$10,958,866	$18,984,598	$24,750,324	$20,615,853	$18,532,569	$153,589,963
(43)	Monthly Under/(Over) Recovery	($10,911,400)	($4,758,374)	($31,577)	$2,063,244	$2,175,218	$2,012,316	$2,198,099	$4,477,853	$3,092,655	($3,075,102)	($148,999)	($1,624,889)	($4,530,956)
(44)	Prelim Ending Under/(Over) Recovery	($5,479,375)	($10,237,817)	($10,292,755)	($8,259,075)	($6,111,474)	($4,119,029)	($1,934,620)	$2,535,504	$5,649,560	$2,584,041	$2,444,668	$825,094	
(45)	Month's Average Balance	($23,675)	($7,858,630)	($10,276,966)	($9,290,697)	($7,199,083)	($5,125,187)	($3,033,670)	$296,577	$4,103,232	$4,121,592	$2,519,168	$1,637,538	
(46)	Interest Rate (BOA Prime minus 200 bps)	3.50%	3.50%	3.50%	3.50%	3.25%	3.25%	3.00%	2.75%	2.75%	2.75%	2.75%	1.78%	
(47)	Interest Applied	($68)	($23,361)	($29,564)	($27,618)	($19,871)	($13,691)	($7,730)	$676	$9,584	$9,626	$5,314	$2,479	($94,223)
(48)	Gas Purchase Plan Incentives/(Penalties)	$0	$0	$0	$0	$0	$0	$0	$20,726	$0	$0	$0	$0	$20,726
(49)	**Ending Under/(Over) Recovery W/ Interest**	($5,479,443)	($10,261,177)	($10,322,319)	($8,286,692)	($6,131,345)	($4,132,719)	($1,942,350)	$2,556,905	$5,659,143	$2,593,668	$2,449,983	$\boxed{\$827,573}$	$827,573

(3) Dkt 4963, Sch MJP/AEL-2, pg 1, line (17), col (m)
(4) Sch 2, line (37)
(5) Dkt 4872; Dkt 4963
(6) Docket 4770
(8) Sch 4, line (15)
(9) Sum[Lines (4) : (8)]
(10) Sch 3, line (13)
(11) Line (9) - Line (10)
(12) Line (3) + Line (11)
(13) [Line (3) + Line (12)] ÷ 2
(15) ([Line (13) x Line (14)] ÷ 365) x Line (1)
(16) Dkt 4963
(17) Line (12) + Line (15) + Line (16)
(19) Dkt 4963, Sch MJP/AEL-2, pg 1, line (34), col (m)
(20) Sch 2, line (87)
(21) Dkt 4872; Dkt 4955
(22) Docket 4770
(23) Sch 5, line (22)
(24) Sch 5, line (12)
(25) Sch 4, line (30)
(26) Sum[Lines (20) : (25)]
(27) Sch 3, line (30)
(28) Line (26) - Line (27)
(29) Line (19) + Line (28)
(30) [Line (19) + Line (29)] ÷ 2
(32) ([Line (30) x Line (31)] ÷ 365) x Line (1)
(34) Line (29) + Line (32) + Line (33)
(36) Line (3) + Line (19)
(37) Sum[Lines (4):(6), (16), (20) (22)]
(38) Line (23) + Line (24)
(39) Line (8) + Line (25)
(40) Line (7)
(41) Sum[Lines (37) : (40)]
(42) Line (10) + Line (27)
(43) Line (41) - Line (42)
(44) Line (36) + Line (43)
(45) [[Line (36) + Line (44)] ÷ 2
(47) Line (15) + Line (32)
(48) Line (33)
(49) Line (44) + Line (47) + Line (48)

REDACTED

National Grid
Rhode Island - Gas

Schedule 2
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Supply Estimates Actuals for Filing

Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(1) **SUPPLY FIXED COSTS - Pipeline Delivery**													
(2) Dawn to E Here	$331,203	$339,113	$332,515	$344,458	$333,926	$329,551	$338,630	$1,184,940	$1,151,362	$1,151,688	$1,107,013	$1,116,504	$8,060,903
(3) Dawn to WADDY	$12,790	$12,672	$12,672	$11,751	$12,484	$12,488	$12,488	$11,895	$11,895	$11,895	$11,895	$11,895	$146,819
(4) Dominion SP	$6,452	$6,452	$8,112	$8,111	$8,200	$8,200	$8,200	$8,196	$8,211	$8,211	$8,185	$8,185	$94,715
(5) Dracut	$0	$0	$0	$0	$0	$0	$0	$85,024	$85,024	$85,024	$85,024	$85,024	$425,120
(6) Everett	$114,220	$114,220	$114,220	$114,220	$114,220	$114,220	$114,220	$104,580	$104,580	$104,580	$104,580	$104,580	$1,322,439
(7) Manchester Lateral	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$262,800	$3,153,600
(8) Millennium/AIM	$921,820	$927,475	$921,820	$927,475	$927,475	$921,820	$927,475	$934,257	$932,840	$933,474	$922,668	$934,297	$11,132,895
(9) Niagara	$7,474	$7,474	$7,474	$7,475	$7,474	$7,474	$7,474	$6,842	$6,842	$6,842	$6,842	$6,842	$86,530
(10) TCO App	$270,165	$269,530	$269,568	$273,797	$270,880	$270,880	$270,880	$249,811	$241,112	$251,491	$264,131	$264,131	
(11) TCO App/M3/Storage	$371,463	$372,429	$418,694	$417,021	$418,695	$418,695	$418,695	$418,695	$418,695	$418,694	$339,517	$418,695	$4,849,986
(12) TCO M3	$50,352	$50,233	$50,241	$50,716	$50,485	$50,485	$50,485	$50,485	$50,798	$50,798	$53,154	$53,154	$611,388
(13) Tetco M2	$727,359	$727,359	$1,019,232	$1,019,233	$1,029,491	$1,029,503	$1,029,491	$1,029,491	$1,031,216	$1,031,099	$1,019,921	$1,024,974	$11,718,368
(14) TetcoM2/M3	$368,340	$368,340	$368,340	$368,340	$368,340	$368,341	$368,340	$368,248	$368,341	$368,340	$368,341	$368,340	$4,419,993
(15) Transco Leidy	$10,446	$9,401	$9,198	$9,401	$9,401	$9,198	$9,401	$9,198	$9,401	$9,401	$8,995	$9,401	$112,841
(16) Yankee Interconnect	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(17) Zone 4	$616,305	$616,305	$616,305	$616,305	$616,305	$617,543	$616,305	$449,572	$449,572	$449,572	$449,572	$449,572	$6,563,231
(18) Zone 4 CXN	$263,938	$263,938	$263,938	$263,938	$263,938	$263,938	$263,938	$263,953	$263,953	$263,953	$263,953	$263,953	$3,167,334
(19) AMA Credits	$8,832	$8,745	$8,863	$9,103	$8,727	$8,755	$8,782	($5,101)	($5,101)	($5,101)	($5,101)	($5,101)	$36,302
(20) Less Credits from Mkter Releases	($734,489)	($940,887)	($1,118,272)	($1,223,169)	($1,243,931)	($1,170,944)	($988,313)	($846,014)	($871,069)	($871,201)	($840,155)	($880,355)	($11,728,800)
(21) **Supply Fixed - Supplier**													
(22) Distrigas FCS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(23) **Total**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(24) **STORAGE FIXED COSTS - Facilities**													
(25) Columbia FSS	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$116,328
(26) Dominion GSS	$36,363	$36,363	$36,363	$36,363	$36,363	$36,363	$36,363	$36,391	$36,391	$36,391	$36,391	$36,391	$436,495
(27) Dominion GSSTE	$46,728	$46,728	$46,728	$43,128	$46,728	$46,728	$46,728	$46,764	$46,764	$46,764	$46,764	$46,764	$557,317
(28) Providence LNG	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$163,740	$1,964,880
(29) Tennessee FSMA	$47,277	$47,277	$47,277	$47,277	$47,277	$47,277	$47,277	$43,258	$43,258	$43,258	$43,258	$43,258	$547,228
(30) Tetco FSS1	$890	$879	$4,231	$4,231	$3,209	$3,720	$3,720	$3,716	$3,701	$3,705	$3,715	$3,711	$39,427
(31) Tetco SS1	$85,018	$84,845	$156,729	$156,724	$131,840	$149,116	$149,124	$149,050	$148,806	$148,930	$148,447	$148,437	$1,657,066
(32) **STORAGE FIXED COSTS - Delivery**													
(33) Storage Delivery	$300,915	$304,921	$374,668	$378,499	$381,243	$381,243	$389,660	$413,122	$409,860	$413,699	$413,157	$413,330	$4,574,317
(34) Constellation LNG	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(35) Transgas	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(36) Prometheus Energy	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(37) **TOTAL FIXED COSTS**	$4,743,933	$4,553,884	$4,848,986	$4,764,467	$4,722,839	$4,804,663	$5,009,434	$6,327,903	$8,645,307	$8,638,059	$8,536,820	$8,602,536	$71,032,455

(37) Sum[Lines (2) : (36)]

REDACTED

Supply Estimates Actuals for Filing

Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(38) **VARIABLE COMMODITY COSTS**													
(39) AGT Citygate													
(40) AIM at Ramapo													
(41) Dawn via IGTS													
(42) Dawn via PNGTS													
(43) Dominion SP													
(44) Everett Swing													
(45) Millennium													
(46) Niagara													
(47) TCO Appalachia													
(48) TCO M3													
(49) Tetco M2													
(50) Tetco M3													
(51) TGP Z4													
(52) Transco Leidy													
(53) Waddington													
(54) Confidential Pipeline and Peaking Supplies													
(55) Total Pipeline Commodity Charges	$4,490,089	$2,862,848	$1,718,278	$1,524,244	$1,450,834	$1,418,057	$2,063,472	$7,602,305	$9,684,821	$8,257,301	$6,463,119	$4,228,396	$51,763,764
(56) Less: Incremental Costs of Supplemental Gas Supply	$0	$0	$0	$0	$0	$0	($193,902)	$0	$0	$0	$0	$0	
(56) **INJECTIONS & HEDGING IMPACT**													
(57) Hedging	($66,582)	$161,695	$81,476	$205,959	$296,242	$413,786	$785,012	$762,650	$1,615,709	$3,290,717	$3,948,300	$2,934,635	$14,429,598
(58) Refunds	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(59) Less: Costs of Injections	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(60) **TOTAL VARIABLE SUPPLY COSTS**	$4,423,507	$3,024,543	$1,799,754	$1,730,202	$1,747,076	$1,831,843	$2,654,581	$8,364,955	$11,300,530	$11,548,019	$10,411,418	$7,163,031	$65,999,460
(61) **VARIABLE STORAGE COSTS**													
(62) Underground Storage	$413,072	$281,470	$240,870	$44,792	$38,194	$51,568	$138,918	$529,754	$1,166,629	$952,613	$1,004,123	$971,107	$5,833,110
(63) LNG Withdrawals and Trucking	$89,568	$94,154	$80,144	$80,686	$78,831	$68,998	$74,757	$183,268	$197,076	$212,296	$81,901	$87,661	$1,329,339
(64) **TOTAL VARIABLE STORAGE COSTS**	$502,640	$375,624	$321,014	$125,478	$117,025	$120,567	$213,675	$713,022	$1,363,705	$1,164,909	$1,086,024	$1,058,768	$7,162,449
(65) **TOTAL VARIABLE COSTS**	$4,926,147	$3,400,167	$2,120,768	$1,855,680	$1,864,101	$1,952,410	$2,868,256	$9,077,977	$12,664,236	$12,712,927	$11,497,442	$8,221,799	$73,161,909
(66) **TOTAL SUPPLY COSTS**	$9,670,079	$7,954,051	$6,969,754	$6,620,147	$6,586,940	$6,757,073	$7,877,690	$15,405,880	$21,309,542	$21,350,986	$20,034,262	$16,824,334	$147,360,739

(55) Sum[Lines (39) : (54)]
(60) Sum[Lines (55) : (59)]
(64) Sum[Lines (62) : (63)]
(65) Line (60) + Line (64)
(66) Line (37) + Line (65)

REDACTED

National Grid
Rhode Island - Gas

Supply Estimates Actuals for Filing

Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(67) **Storage Costs for FT-2 Calculation**													
(68) **Storage Fixed Costs - Facilities**	$389,710	$389,526	$464,761	$461,157	$438,850	$456,638	$456,646	$452,613	$452,354	$452,482	$452,009	$451,995	$5,318,741
(69) **Storage Fixed Costs - Deliveries**	$697,790	$701,796	$771,543	$775,374	$778,118	$778,118	$786,535	$1,241,457	$4,146,489	$4,078,935	$3,842,077	$3,900,322	$22,498,554
(70) **Sub-Total Storage Costs**	$1,087,499	$1,091,322	$1,236,305	$1,236,531	$1,216,968	$1,234,756	$1,243,181	$1,694,070	$4,598,844	$4,531,417	$4,294,086	$4,352,318	$27,817,296
(71) **Tennessee Dracut for Peaking.**	$114,220	$114,220	$114,220	$114,220	$114,220	$114,220	$114,220	$189,604	$189,604	$189,604	$189,604	$189,604	$1,747,559
(72) **Inventory Financing**	$67,026	$73,016	$77,276	$84,264	$92,153	$100,463	$105,749	$105,498	$98,425	$91,121	$84,100	$77,746	$1,056,836
(73) **Supply related LNG O&M Costs**	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$829,823
(74) **Working Capital Requirement**	$5,964	$5,963	$6,534	$6,506	$6,337	$6,472	$6,472	$12,815	$34,789	$34,279	$32,483	$32,924	$191,538
(75) **Total FT-2 Storage Fixed Costs**	$1,343,862	$1,353,673	$1,503,486	$1,510,673	$1,498,830	$1,525,063	$1,538,775	$2,071,138	$4,990,813	$4,915,573	$4,669,424	$4,721,743	$31,643,052
(76) **System Storage MDQ (Dth)**	243,574	243,814	246,251	246,851	246,014	247,476	247,126	249,446	222,897	232,150	230,168	231,169	2,886,936
(77) **FT-2 Storage Cost per MDQ (Dth)**	$5 5173	$5 5521	$6 1055	$6 1198	$6 0925	$6 1625	$6 2267	$8 3029	$22 3907	$21 1741	$20 2870	$20 4255	$10 9608
(78) Pipeline Variable	$4,926,147	$3,400,167	$2,120,768	$1,855,680	$1,864,101	$1,952,410	$2,868,256	$9,077,977	$12,664,236	$12,712,927	$11,497,442	$8,221,799	$73,161,909
(79) Less Non-firm Gas Costs	($103,733)	($62,470)	($20,233)	$19,106	($13,057)	($15,046)	($26,230)	($48,873)	($192,204)	($220,972)	($75,497)	($57,074)	($816,283)
(80) Less Company Use	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(81) Less Manchester St Balancing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(82) Plus Cashout	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(83) Less Mkter W/drawals/Injections	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(84) Mkter Over-takes/Undertakes	$263,270	$77,801	$107,175	($14,850)	($27,130)	$30,915	$67,134	$133,299	$357,881	$501,685	$214,579	$37,982	$1,749,740
(85) Plus Pipeline Srchg/Credit	$102,145	$98,476	$109,263	$106,917	$109,565	$115,127	$109,838	$119,939	$205,037	$219,050	$219,483	$205,754	$1,720,594
(86) Less Mkter FT-2 Daily weather true-up	$16,144	($13,278)	($25,557)	($2,557)	$0	($3,373)	($10,734)	($11,719)	($5,697)	$7,361	($17,771)	$4,925	($62,257)
(87) **TOTAL FIRM COMMODITY COSTS**	$5,203,973	$3,500,697	$2,291,416	$1,964,297	$1,933,479	$2,080,032	$3,008,264	$9,270,622	$13,029,252	$13,220,051	$11,838,236	$8,413,386	$75,753,703

(70) Line (68) + Line (69)
(75) Sum[Lines (70) : (74)]
(77) Line (75) ÷ Line (76)
(78) Line (65)
(87) Sum[Lines (78) : (86)]

REDACTED

National Grid
Rhode Island - Gas

GCR Revenue

	Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(1)	**I. Fixed Cost Revenue**													
(2)	(a) Low Load dth	2,813,404	1,720,635	917,416	527,899	537,103	557,070	730,871	1,668,288	3,506,818	4,561,130	3,820,624	3,439,475	24,800,730
(3)	Fixed Cost Factor	$3 0737	$3 0737	$3 0719	$3 2772	$3 0753	$3 0725	$3 0786	$2 6865	$2 2422	$2 2352	$2 2399	$2 2307	
(4)	Low Load Revenue	$8,647,655	$5,288,761	$2,818,183	$1,730,051	$1,651,776	$1,711,595	$2,250,058	$4,481,800	$7,863,100	$10,194,822	$8,557,677	$7,672,336	$62,867,814
(5)	(b) High Load dth	74,397	62,942	51,176	42,456	39,484	40,018	43,249	51,400	71,330	96,079	71,506	68,533	712,569
(6)	Fixed Cost Factor	$2 1496	$2 1496	$2 1494	$2 1502	$2 1503	$2 1495	$2 1495	$1 9769	$1 6783	$1 6831	$1 6779	$1 6789	
(7)	High Load Revenue	$159,923	$135,298	$109,998	$91,290	$84,901	$86,017	$92,966	$101,611	$119,710	$161,708	$119,981	$115,060	$1,378,463
(8)	Sub-total throughput Dth	2,887,801	1,783,577	968,591	570,355	576,588	597,088	774,120	1,719,687	3,578,148	4,657,209	3,892,129	3,508,007	25,513,299
(9)	FT-2 Storage Revenue from marketers	$844,065	$413,085	$412,181	$413,224	$411,784	$414,232	$413,647	$417,542	$277,000	$345,034	$345,099	$349,244	$5,056,137
(10)	Manchester Steet Volumes (dth)	1,079	1,028	875	1,122	1,207	803	1,093	0	0	0	0	0	
(11)	Fixed cost factor (dth)	3 1326	3 1326	3 1326	3 1326	3 1326	3 1326	3 1326	2 2773	2 2773	2 2773	2 2773	2 2773	
(12)	Manchester Street Revenue	$3,379	$3,221	$2,741	$3,515	$3,782	$2,514	$3,424	$0	$0	$0	$0	$0	$22,575
(13)	**TOTAL Fixed Revenue**	$9,655,022	$5,840,364	$3,343,103	$2,238,081	$2,152,244	$2,214,359	$2,760,095	$5,000,953	$8,259,810	$10,701,564	$9,022,756	$8,136,639	$69,324,990
(14)	**II. Variable Cost Revenue**													
(15)	(a) Firm Sales dth	2,887,801	1,783,577	968,591	570,355	576,588	597,088	774,120	1,719,687	3,578,148	4,657,209	3,892,129	3,508,007	25,513,299
(16)	Variable Supply Cost Factor	$3 8357	$3 8357	$3 8335	$4 0708	$3 8376	$3 8342	$3 8414	$3 4454	$2 9776	$2 9690	$2 9750	$2 9630	
(17)	Variable Supply Revenue	$11,076,839	$6,841,288	$3,713,081	$2,321,810	$2,212,733	$2,289,372	$2,973,726	$5,925,044	$10,654,292	$13,827,326	$11,578,998	$10,394,325	$83,808,835
(18)	(b) TSS Sales dth	14,314	9,263	805	734	832	1,027	771	4,202	6,482	22,250	18,844	18,086	97,610
(19)	TSS Surcharge Factor	$0 0000	$0 0000	$0 0000	$0 0000	$0 0000	$0 0000	$0 0000	$0 0000	$0 2530	$0 0000	$0 0000	$0 0000	
(20)	TSS Surcharge Revenue	$0	$0	$0	$0	$0	$0	$0	$0	$1,640	$0	$0	$0	$1,640
(21)	(c) Default Sales dth	8,174	2,697	424	(368)	1,617	1,417	1,306	4,509	8,780	27,294	(2,440)	5,561	58,971
(22)	Variable Supply Cost Factor	$3 17	$6 91	$6 91	$6 90	$6 91	$6 91	$6 91	$6 91	$4 63	$8 11	($2 13)	$0 02	
(23)	Variable Supply Revenue	$25,900	$18,627	$2,928	($2,540)	$11,169	$9,785	$9,023	$31,139	$40,644	$221,435	$5,207	$105	$373,422
(24)	(d) Peaking Gas Revenue	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(25)	(e) Deferred Responsibility	$792	$3,752	$1,873	$75	$3,866	$2,182	$33	$1,729	$28,212	$0	$8,892	$1,500	$52,904
(26)	(e) FT-1 Storage and Peaking	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
(27)	Manchester Steet Volumes (dth)	1,079	1,028	875	1,122	1,207	803	1,093	0	0	0	0	0	
(28)	Variable Supply Cost Factor (dth)	$3 9093	$3 9093	$3 9093	$3 9093	$3 9093	$3 9093	$3 9093	$3 0249	$3 0249	$3 0249	$3 0249	$3 0249	
(29)	Manchester Street Revenue	$4,217	$4,020	$3,420	$4,386	$4,719	$3,138	$4,272	$0	$0	$0	$0	$0	$28,172
(30)	**TOTAL Variable Revenue**	$11,107,747	$6,867,686	$3,721,301	$2,323,731	$2,232,487	$2,304,477	$2,987,055	$5,957,913	$10,724,788	$14,048,760	$11,593,097	$10,395,930	$84,264,973
(31)	**Total Gas Cost Revenue (w/o FT-2)**	$20,762,769	$12,708,051	$7,064,404	$4,561,811	$4,384,731	$4,518,836	$5,747,149	$10,958,866	$18,984,598	$24,750,324	$20,615,853	$18,532,569	$153,589,963

Lines (12) and (29): Pursuant to the Division of Public Utilities and Carriers' approval in Docket 4963, the Company is no longer crediting imputed revenue to offset the gas costs associated with heater gas used at Manchester St Station

(2) Sch 6, Sum[lines (24) : (28), (30)]
(3) Line (4) ÷ Line (2)
(5) Sch 6, Sum[lines (22), (23), (29), (31)]
(6) Line (7) ÷ Line (5)
(8) Line (2) + Line (5)
(10) Monthly Meter Use
(11) Inherent in approved GCR
(12) Line (10) x Line (11)
(13) Line (4) + Line (7) + Line (9) + Line (12)
(15) Line (8)
(16) Line (17) ÷ Line (15)
(18) Sch 6, line (20)
(19) Company's website
(20) Line (18) x Line (19)
(21) Sch 6, line (61)
(22) Line (23) ÷ Line (21)
(25) Company Data
(27) Monthly Meter Use
(28) Inherent in approved GCR
(29) Line (27) x Line (28)
(30) Sum[Lines (17), (20), (23):(26), (29)]
(31) Line (13) + Line (30)

REDACTED

National Grid
Rhode Island - Gas

Schedule 4
Page 1 of 1

WORKING CAPITAL

	Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(1)	**Supply Fixed Costs**	$4,743,933	$4,553,884	$4,848,986	$4,764,467	$4,722,839	$4,804,663	$5,009,434	$6,327,903	$8,645,307	$8,638,059	$8,536,820	$8,602,536	$74,198,830
(2)	Less: System Pressure to DAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(3)	Plus: Supply Related LNG O&M Costs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(4)	Total Adjustments	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(5)	Allowable Working Capital Costs	$4,743,933	$4,553,884	$4,848,986	$4,764,467	$4,722,839	$4,804,663	$5,009,434	$6,327,903	$8,645,307	$8,638,059	$8,536,820	$8,602,536	$74,198,830
(6)	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	
(7)	Working Capital Requirement	$427,864	$410,723	$437,339	$429,716	$425,961	$433,341	$451,810	$570,725	$779,736	$779,082	$769,951	$775,878	
(8)	Cost of Capital	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 13%	7 13%	7 13%	7 13%	7 13%	
(9)	Return on Working Capital Requirement	$30,592	$29,367	$31,270	$30,725	$30,456	$30,984	$32,304	$40,693	$55,595	$55,549	$54,898	$55,320	
(10)	Weighted Cost of Debt	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 40%	2 40%	2 40%	2 40%	2 40%	
(11)	Interest Expense	$10,354	$9,939	$10,584	$10,399	$10,308	$10,487	$10,934	$13,697	$18,714	$18,698	$18,479	$18,621	
(12)	Taxable Income	$20,238	$19,427	$20,686	$20,326	$20,148	$20,497	$21,371	$26,995	$36,881	$36,851	$36,419	$36,699	
(13)	1 - Combined Tax Rate	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	
(14)	Return and Tax Requirement	$25,618	$24,591	$26,185	$25,729	$25,504	$25,946	$27,051	$34,171	$46,685	$46,646	$46,100	$46,454	
(15)	**Supply Fixed Working Capital Requirement**	$35,972	$34,531	$36,769	$36,128	$35,812	$36,432	$37,985	$47,869	$65,399	$65,344	$64,578	$65,076	$561,895
(16)	**Supply Variable Costs**	$5,203,973	$3,500,697	$2,291,416	$1,964,297	$1,933,479	$2,080,032	$3,008,264	$9,270,622	$13,029,252	$13,220,051	$11,838,236	$8,413,386	$75,753,703
(17)	Less: Bal Related Syst Pressure Commodity to DAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(18)	Plus: Supply Related LNG O&M Costs	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(19)	Total Adjustments	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(20)	Allowable Working Capital Costs	$5,203,973	$3,500,697	$2,291,416	$1,964,297	$1,933,479	$2,080,032	$3,008,264	$9,270,622	$13,029,252	$13,220,051	$11,838,236	$8,413,386	$75,753,703
(21)	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	
(22)	Working Capital Requirement	$469,356	$315,734	$206,667	$177,163	$174,384	$187,602	$271,321	$836,134	$1,175,131	$1,192,340	$1,067,712	$758,818	
(23)	Cost of Capital	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 13%	7 13%	7 13%	7 13%	7 13%	
(24)	Return on Working Capital Requirement	$33,559	$22,575	$14,777	$12,667	$12,468	$13,414	$19,399	$59,616	$83,787	$85,014	$76,128	$54,104	
(25)	Weighted Cost of Debt	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 40%	2 40%	2 40%	2 40%	2 40%	
(26)	Interest Expense	$11,358	$7,641	$5,001	$4,287	$4,220	$4,540	$6,566	$20,067	$28,203	$28,616	$25,625	$18,212	
(27)	Taxable Income	$22,201	$14,934	$9,775	$8,380	$8,248	$8,874	$12,833	$39,549	$55,584	$56,398	$50,503	$35,892	
(28)	1 - Combined Tax Rate[2]	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	
(29)	Return and Tax Requirement	$28,102	$18,904	$12,374	$10,607	$10,441	$11,232	$16,245	$50,062	$70,359	$71,389	$63,928	$45,433	
(30)	**Supply Variable Working Capital Requirement**	$39,460	$26,545	$17,375	$14,895	$14,661	$15,772	$22,811	$70,129	$98,562	$100,006	$89,553	$63,645	$573,414

(1) Sch 1, line (4)
(2) Sch 1, line (5)
(3) Docket 4770
(4) Line (2) + Line (3)
(5) Line (1) + Line (4)
(6) Docket 4770
(7) [Line (5) x Line (6)] ÷ 365
(8) Docket 4955
(9) Line (7) x Line (8)
(10) Docket 4955
(11) Line (7) x Line (10)
(12) Line (9) - Line (11)
(13) Docket 4770
(14) Line (12) ÷ Line (13)
(15) Line (11) + Line (14)
(16) Sch 1, line (20)
(17) Sch 1, line (21)
(18) Docket 4770
(19) Line (17) + Line (18)
(20) Line (16) + Line (19)
(21) Docket 4770
(22) [Line (20) x Line (21)] ÷ 365
(23) Docket 4955
(24) Line (22) x Line (23)
(25) Docket 4955
(26) Line (22) x Line (25)
(27) Line (24) - Line (26)
(28) Docket 4770
(29) Line (27) ÷ Line (28)
(30) Line (26) + Line (29)

REDACTED

National Grid
Rhode Island - Gas

Schedule 5
Page 1 of 1

INVENTORY FINANCE

	Description	Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
(1)	**Storage Inventory Balance**	$5,876,579	$6,579,416	$7,184,108	$8,072,699	$8,940,942	$9,818,145	$10,289,591	$10,339,360	$9,700,660	$9,096,787	$8,289,909	$7,643,829	
(2)	Monthly Storage Deferral/Amortization	($7,294)	$56,425	$101,196	$261,726	$490,675	$821,522	$1,123,441	$1,112,206	$853,815	$505,549	$202,220	$1	
(3)	**Subtotal**	$5,869,285	$6,635,842	$7,285,305	$8,334,424	$9,431,618	$10,639,668	$11,413,031	$11,451,566	$10,554,475	$9,602,336	$8,492,129	$7,643,830	
(4)	Cost of Capital	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 13%	7 13%	7 13%	7 13%	7 13%	
(5)	Return on Working Capital Requirement	$419,654	$474,463	$520,899	$595,911	$674,361	$760,736	$816,032	$816,497	$752,534	$684,647	$605,489	$545,005	$7,666,227
(6)	Weighted Cost of Debt	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 40%	2 40%	2 40%	2 40%	2 40%	
(7)	Interest Charges Financed	$142,037	$160,587	$176,304	$201,693	$228,245	$257,480	$276,195	$274,838	$253,307	$230,456	$203,811	$183,452	$2,588,406
(8)	Taxable Income	$277,617	$313,875	$344,595	$394,218	$446,116	$503,256	$539,836	$541,659	$499,227	$454,190	$401,678	$361,553	
(9)	1 - Combined Tax Rate[1]	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	
(10)	Return and Tax Requirement	$351,414	$397,311	$436,196	$499,010	$564,703	$637,033	$683,337	$685,644	$631,933	$574,925	$508,453	$457,662	$6,427,621
(11)	Working Capital Requirement	$493,451	$557,898	$612,500	$700,704	$792,948	$894,513	$959,533	$960,482	$885,240	$805,381	$712,264	$641,114	$9,016,028
(12)	Monthly Average	$41,121	$46,491	$51,042	$58,392	$66,079	$74,543	$79,961	$80,040	$73,770	$67,115	$59,355	$53,426	$751,336
(13)	**LNG Inventory Balance**	$3,697,445	$3,785,860	$3,744,415	$3,692,730	$3,721,633	$3,699,696	$3,680,807	$3,642,329	$3,527,431	$3,434,662	$3,540,226	$3,479,444	
(14)	Cost of Capital	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 15%	7 13%	7 13%	7 13%	7 13%	7 13%	
(15)	Return on Working Capital Requirement	$264,367	$270,689	$267,726	$264,030	$266,097	$264,528	$263,178	$259,698	$251,506	$244,891	$252,418	$248,084	$3,117,213
(16)	Weighted Cost of Debt	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 42%	2 40%	2 40%	2 40%	2 40%	2 40%	
(17)	Interest Charges Financed	$89,478	$91,618	$90,615	$89,364	$90,064	$89,533	$89,076	$87,416	$84,658	$82,432	$84,965	$83,507	$1,052,725
(18)	Taxable Income	$174,889	$179,071	$177,111	$174,666	$176,033	$174,996	$174,102	$172,282	$166,847	$162,460	$167,453	$164,578	
(19)	1 - Combined Tax Rate[1]	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	0 79	
(20)	Return and Tax Requirement	$221,379	$226,672	$224,191	$221,096	$222,827	$221,513	$220,382	$218,079	$211,199	$205,645	$211,965	$208,326	$2,613,276
(21)	Working Capital Requirement	$310,857	$318,290	$314,806	$310,460	$312,890	$311,046	$309,458	$305,495	$295,858	$288,077	$296,931	$291,833	$3,666,001
(22)	Monthly Average	$25,905	$26,524	$26,234	$25,872	$26,074	$25,921	$25,788	$25,458	$24,655	$24,006	$24,744	$24,319	$305,500
(23)	TOTAL GCR Inventory Financing Costs	$67,026	$73,016	$77,276	$84,264	$92,153	$100,463	$105,749	$105,498	$98,425	$91,121	$84,100	$77,746	$1,056,836

[1]For the period Apr 2018 through Dec 2018, Dkt 4323; and for the period Jan 2019 through Mar 2019, Dkt 4770

(3) Line (1) + Line (2)
(4) Docket 4955
(5) Line (3) x Line (4)
(6) Docket 4955
(7) Line (3) x Line (6)
(8) Line (5) - Line (7)
(9) Docket 4770
(10) Line (8) ÷ Line (9)
(11) Line (7) + Line (10)
(12) Line (11) ÷ 12
(14) Docket 4955
(15) Line (13) x Line (14)
(16) Docket 4955
(17) Line (13) x Line (16)
(18) Line (15) - Line (17)
(19) Docket 4770
(20) Line (18) ÷ Line (19)
(21) Line (17) + Line (20)
(22) Line (21) ÷ 12
(23) Line (12) + Line (22)

REDACTED

National Grid
Rhode Island - Gas

Actual Dth Usage for Filing

		Apr-19 Actual (a)	May-19 Actual (b)	Jun-19 Actual (c)	Jul-19 Actual (d)	Aug-19 Actual (e)	Sep-19 Actual (f)	Oct-19 Actual (g)	Nov-19 Actual (h)	Dec-19 Actual (i)	Jan-20 Actual (j)	Feb-20 Actual (k)	Mar-20 Actual (l)	Apr-Mar (m)
	THROUGHPUT (Dth) Rate Class													
(1)	**SALES**													
(2)	Residential Non-Heating	38,587	29,538	22,499	16,446	13,922	14,254	15,925	22,483	36,558	48,091	38,026	37,484	333,811
(3)	Residential Non-Heating Low Income	1,858	1,407	976	681	469	508	604	1,033	1,829	2,257	2,094	2,182	15,898
(4)	Residential Heating	1,925,301	1,183,145	628,685	375,358	355,224	368,582	504,116	1,171,987	2,453,453	3,220,071	2,651,134	2,415,017	17,252,072
(5)	Residential Heating Low Income	184,696	116,482	65,878	41,262	39,839	41,864	52,216	102,552	211,978	259,473	214,561	222,999	1,553,798
(6)	Small C&I	239,545	133,765	65,323	39,949	42,004	39,496	52,988	132,899	324,135	424,272	391,679	298,414	2,184,469
(7)	Medium C&I	364,912	236,012	138,807	92,219	90,658	97,602	109,321	215,214	431,392	521,280	459,434	405,100	3,161,949
(8)	Large LLF	77,149	38,697	15,714	(22,213)	8,268	8,217	10,023	37,707	72,990	105,970	78,205	72,828	503,553
(9)	Large HLF	28,275	24,804	20,577	16,706	15,659	17,026	17,500	18,555	22,601	28,766	23,415	22,386	256,270
(10)	Extra Large LLF	8,809	4,369	2,205	590	279	284	1,436	4,006	6,814	8,456	7,463	8,239	52,948
(11)	Extra Large HLF	4,356	6,094	7,124	8,624	9,435	8,230	9,220	9,050	9,917	16,323	7,276	5,272	100,920
(12)	Total Sales	2,873,487	1,774,313	967,786	569,621	575,755	596,061	773,349	1,715,485	3,571,667	4,634,958	3,873,286	3,489,921	25,415,689
(13)	**TSS**													
(14)	Small	1,296	511	180	139	123	0	20	183	797	2,489	2,202	1,961	9,901
(15)	Medium	10,781	6,711	523	414	600	934	662	1,075	3,761	10,854	10,469	11,126	57,911
(16)	Large LLF	917	943	102	180	109	93	89	2,666	1,497	8,266	5,478	3,789	24,128
(17)	Large HLF	1,321	1,099	0	0	0	0	0	278	426	642	695	1,209	5,670
(18)	Extra Large LLF	0	0	0	0	0	0	0	0	0	0	0	0	0
(19)	Extra Large HLF	0	0	0	0	0	0	0	0	0	0	0	0	0
(20)	Total TSS	14,314	9,263	805	734	832	1,027	771	4,202	6,482	22,250	18,844	18,086	97,610
(21)	**Sales & TSS THROUGHPUT**													
(22)	Residential Non-Heating	38,587	29,538	22,499	16,446	13,922	14,254	15,925	22,483	36,558	48,091	38,026	37,484	333,811
(23)	Residential Non-Heating Low Income	1,858	1,407	976	681	469	508	604	1,033	1,829	2,257	2,094	2,182	15,898
(24)	Residential Heating	1,925,301	1,183,145	628,685	375,358	355,224	368,582	504,116	1,171,987	2,453,453	3,220,071	2,651,134	2,415,017	17,252,072
(25)	Residential Heating Low Income	184,696	116,482	65,878	41,262	39,839	41,864	52,216	102,552	211,978	259,473	214,561	222,999	1,553,798
(26)	Small C&I	240,840	134,276	65,503	40,088	42,126	39,496	53,008	133,082	324,932	426,761	393,882	300,376	2,194,370
(27)	Medium C&I	375,693	242,723	139,330	92,634	91,258	98,535	109,983	216,289	435,153	532,134	469,902	416,227	3,219,861
(28)	Large LLF	78,066	39,640	15,815	(22,033)	8,377	8,310	10,112	40,373	74,487	114,235	83,682	76,618	527,682
(29)	Large HLF	29,596	25,903	20,577	16,706	15,659	17,026	17,500	18,834	23,027	29,408	24,110	23,595	261,940
(30)	Extra Large LLF	8,809	4,369	2,205	590	279	284	1,436	4,006	6,814	8,456	7,463	8,239	52,948
(31)	Extra Large HLF	4,356	6,094	7,124	8,624	9,435	8,230	9,220	9,050	9,917	16,323	7,276	5,272	100,920
(32)	Total Sales & TSS Throughput	2,887,801	1,783,577	968,591	570,355	576,588	597,088	774,120	1,719,687	3,578,148	4,657,209	3,892,129	3,508,007	25,513,299
(33)	**FT-1 TRANSPORTATION**													
(34)	FT-1 Small	0	0	0	0	0	0	0	0	0	0	0	0	0
(35)	FT-1 Medium	71,255	19,604	20,573	9,039	17,908	23,548	24,749	53,139	99,181	95,693	81,537	68,651	584,876
(36)	FT-1 Large LLF	107,684	13,866	9,590	(5,738)	11,205	16,881	19,629	68,022	155,934	159,940	126,285	106,814	790,111
(37)	FT-1 Large HLF	43,657	26,457	29,815	34,614	42,664	21,686	31,531	35,389	52,761	54,759	52,024	41,698	467,053
(38)	FT-1 Extra Large LLF	170,300	18,203	37,663	(17,533)	16,377	20,516	26,066	111,045	203,164	195,580	168,091	146,577	1,096,050
(39)	FT-1 Extra Large HLF	534,117	404,390	414,590	405,585	409,233	414,417	389,253	497,179	511,433	574,478	549,787	456,170	5,560,633
(40)	Default	8,174	2,697	424	(368)	1,617	1,417	1,306	4,509	8,780	27,294	(2,440)	5,561	58,971
(41)	Total FT-1 Transportation	935,187	485,217	512,654	425,598	499,004	498,464	492,534	769,282	1,031,253	1,107,744	975,284	825,471	8,557,693
(42)	**FT-2 TRANSPORTATION**													
(43)	FT-2 Small	18,072	10,965	5,779	3,518	3,292	3,551	4,692	10,620	24,989	32,330	27,897	25,796	171,499
(44)	FT-2 Medium	204,180	142,688	83,752	53,571	50,285	54,556	69,733	136,235	258,296	315,596	271,771	253,296	1,893,960
(45)	FT-2 Large LLF	144,138	93,697	40,495	18,319	18,682	16,859	31,607	101,167	205,211	247,984	220,822	201,996	1,340,978
(46)	FT-2 Large HLF	53,588	47,684	37,070	33,455	29,032	36,534	38,243	45,680	63,038	83,507	67,890	65,872	601,593
(47)	FT-2 Extra Large LLF	2,781	1,692	383	111	67	167	309	1,610	10,059	12,201	10,319	9,785	49,484
(48)	FT-2 Extra Large HLF	39,551	47,053	34,343	44,504	36,322	36,902	42,122	40,682	55,588	42,762	36,927	42,387	499,142
(49)	Total FT-2 Transportation	462,311	343,779	201,822	153,479	137,680	148,568	186,706	335,993	617,179	734,380	635,627	599,132	4,556,655
(50)	**Total THROUGHPUT**													
(51)	Residential Non-Heating	38,587	29,538	22,499	16,446	13,922	14,254	15,925	22,483	36,558	48,091	38,026	37,484	333,811
(52)	Residential Non-Heating Low Income	1,858	1,407	976	681	469	508	604	1,033	1,829	2,257	2,094	2,182	15,898
(53)	Residential Heating	1,925,301	1,183,145	628,685	375,358	355,224	368,582	504,116	1,171,987	2,453,453	3,220,071	2,651,134	2,415,017	17,252,072
(54)	Residential Heating Low Income	184,696	116,482	65,878	41,262	39,839	41,864	52,216	102,552	211,978	259,473	214,561	222,999	1,553,798
(55)	Small C&I	258,912	145,241	71,282	43,606	45,418	43,046	57,700	143,702	349,921	459,091	421,778	326,172	2,365,869
(56)	Medium C&I	651,128	405,015	243,655	155,243	159,451	176,639	204,465	405,663	792,629	943,423	823,210	738,174	5,698,696
(57)	Large LLF	329,888	147,203	65,900	(9,452)	38,265	42,049	61,347	209,562	435,633	522,159	430,790	385,427	2,658,771
(58)	Large HLF	126,840	100,044	87,462	84,775	87,355	75,245	87,274	99,903	138,826	167,674	144,024	131,166	1,330,586
(59)	Extra Large LLF	181,890	24,264	40,251	(16,832)	16,722	20,966	27,812	116,661	220,037	216,237	185,873	164,601	1,198,482
(60)	Extra Large HLF	578,024	457,537	456,056	458,713	454,990	459,549	440,595	546,911	576,937	633,563	593,990	503,828	6,160,694
(61)	Default	8,174	2,697	424	(368)	1,617	1,417	1,306	4,509	8,780	27,294	(2,440)	5,561	58,971
(62)	Total Throughput	4,285,298	2,612,572	1,683,067	1,149,432	1,213,272	1,244,120	1,453,360	2,824,963	5,226,581	6,499,333	5,503,040	4,932,610	38,627,647

Attachment RMS/MJP-3 Second Revision
Projected Gas Cost Balances

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

	Description	Nov-20 forecast	Dec-20 forecast	Jan-21 forecast	Feb-21 forecast	Mar-21 forecast	Apr-21 forecast	May-21 forecast	Jun-21 forecast	Jul-21 forecast	Aug-21 forecast	Sep-21 forecast	Oct-21 forecast	Nov - Oct
(1)	# of Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(2)	**I. Fixed Cost Deferred**													
(3)	Beginning Under/(Over) Recovery	$3,893,018	$3,823,919	$1,635,945	($3,962,964)	($10,931,177)	($14,150,374)	($17,679,102)	($15,896,001)	($13,117,272)	($9,771,972)	($6,338,009)	($2,956,267)	$3,893,018
(4)	Fixed Costs (net of capacity release)	$5,841,318	$9,219,495	$9,216,825	$9,425,301	$9,425,301	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$5,731,961	$83,251,969
(5)	Supply Related System Pressure to DAC	($21,256)	($1,484,969)	($1,484,969)	($1,484,969)	($1,484,969)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($21,256)	($6,109,925)
(6)	NGPMP Credits	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($5,251,052)
(7)	Working Capital	$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
(8)	Supply Related LNG O & M	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$69,152	$829,823
(9)	Total Supply Fixed Costs	$5,495,654	$7,424,599	$7,421,909	$7,631,963	$7,631,963	$5,385,469	$5,385,469	$5,385,469	$5,385,469	$5,385,469	$5,385,469	$5,385,469	$73,304,371
(10)	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)	Prelim. Ending Under/(Over) Recovery	$4,008,312	$1,633,048	($3,961,729)	($10,924,039)	($14,137,068)	($17,662,760)	($15,878,188)	($13,102,375)	($9,759,828)	($6,329,462)	($2,951,495)	($86,568)	
(12)	Month's Average Balance	$3,950,665	$2,728,484	($1,162,892)	($7,443,501)	($12,534,122)	($15,906,567)	($16,778,645)	($14,499,188)	($11,438,550)	($8,050,717)	($4,644,752)	($1,521,418)	
(13)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(14)	Interest Applied	$4,059	$2,897	($1,235)	($7,138)	($13,307)	($16,342)	($17,813)	($14,896)	($12,144)	($8,547)	($4,772)	($1,615)	($90,853)
(15)	Marketer Reconciliation	($188,452)												($188,452)
(16)	Fixed Ending Under/(Over) Recovery	$3,823,919	$1,635,945	($3,962,964)	($10,931,177)	($14,150,374)	($17,679,102)	($15,896,001)	($13,117,272)	($9,771,972)	($6,338,009)	($2,956,267)	($88,183)	($88,183)
(17)	**II. Variable Cost Deferred**													
(18)	Beginning Under/(Over) Recovery	$4,210,357	$5,526,103	$7,227,046	$8,809,711	$6,642,540	$5,933,592	$2,023,867	$1,109,958	$293,098	($230,752)	($612,959)	($938,129)	$4,210,357
(19)	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
(20)	Supply Related System Pressure to DAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(21)	Supply Related LNG O & M	$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
(22)	Inventory Financing - LNG	$22,345	$21,755	$16,427	$12,846	$17,786	$19,161	$20,560	$21,939	$21,538	$21,135	$21,966	$21,957	$239,415
(23)	Inventory Financing - UG	$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
(24)	Working Capital	$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
(25)	Total Variable Costs	$6,798,597	$11,692,138	$15,192,924	$13,117,328	$10,578,802	$5,317,171	$2,660,965	$1,706,795	$1,396,661	$1,450,101	$1,569,025	$3,421,137	$74,901,643
(26)	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)
(27)	Prelim. Ending Under/(Over) Recovery	$5,521,104	$7,220,280	$8,801,203	$6,635,135	$5,926,920	$2,019,782	$1,108,296	$292,378	($230,785)	($612,511)	($937,333)	$40,690	
(28)	Month's Average Balance	$4,865,731	$6,373,192	$8,014,125	$7,722,423	$6,284,730	$3,976,687	$1,566,082	$701,168	$31,157	($421,631)	($775,146)	($448,719)	
(29)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(30)	Interest Applied	$4,999	$6,766	$8,508	$7,405	$6,672	$4,086	$1,663	$720	$33	($448)	($796)	($476)	$39,132
(31)	Gas Procurement Incentive/(penalty)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
(32)	Variable Ending Under/(Over) Recovery	$5,526,103	$7,227,046	$8,809,711	$6,642,540	$5,933,592	$2,023,867	$1,109,958	$293,098	($230,752)	($612,959)	($938,129)	$40,214	$40,214
(33)	**GCR Deferred Summary**													
(34)	Beginning Under/(Over) Recovery	$8,103,375	$9,350,022	$8,862,991	$4,846,748	($4,288,636)	($8,216,783)	($15,655,235)	($14,786,042)	($12,824,173)	($10,002,723)	($6,950,968)	($3,894,396)	$8,103,375
(35)	Gas Costs	$12,365,092	$19,337,428	$22,830,251	$20,996,170	$18,482,879	$11,027,927	$8,379,819	$7,422,090	$7,107,723	$7,149,417	$7,255,848	$9,083,294	$151,437,939
(36)	Inventory Finance	$84,044	$71,328	$50,180	$32,592	$26,369	$29,591	$41,526	$52,329	$58,940	$70,371	$82,059	$92,901	$692,232
(37)	Working Capital	$94,250	$145,568	$171,990	$158,116	$139,104	$82,709	$62,677	$55,432	$53,054	$53,369	$54,175	$67,999	$1,138,443
(38)	NGPMP Credits	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($437,588)	($5,251,052)
(39)	Total Costs	$12,105,799	$19,116,737	$22,614,833	$20,749,290	$18,210,765	$10,702,640	$8,046,434	$7,092,264	$6,782,130	$6,835,570	$6,954,494	$8,806,606	$148,017,562
(40)	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)
(41)	Prelim. Ending Under/(Over) Recovery	$9,340,964	$8,853,329	$4,839,474	($4,288,904)	($8,210,148)	($15,642,978)	($14,769,892)	($12,809,997)	($9,990,613)	($6,941,973)	($3,888,827)	($45,878)	$3,752
(42)	Month's Average Balance	$8,722,170	$9,101,675	$6,851,233	$278,922	($6,249,392)	($11,929,880)	($15,212,563)	($13,798,020)	($11,407,393)	($8,472,348)	($5,419,898)	($1,970,137)	
(43)	Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
(44)	Interest Applied	$9,058	$9,663	$7,274	$267	($6,635)	($12,257)	($16,150)	($14,176)	($12,111)	($8,995)	($5,568)	($2,092)	($51,721)
(45)	Gas Purchase Plan Incentives/(Penalties)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
(46)	Ending Under/(Over) Recovery W/ Interest	$9,350,022	$8,862,991	$4,846,748	($4,288,636)	($8,216,783)	($15,655,235)	($14,786,042)	($12,824,173)	($10,002,723)	($6,950,968)	($3,894,396)	$\boxed{(\$47,969)}$	($47,969)

(3) RMS/MJP-7, Line (17)(m)
(4) RMS/MJP-1 Second Revision, pg 2, Line (1)
(6) GSP-1
(7) RMS/MJP-1 Second Revision, pg 9, Line (17)
(8) RMS/MJP-1 Second Revision, pg 2, Line (8) ÷ 12
(9) Sum[(4)-(8)]
(10) RMS/MJP-1 Second Revision, pg 8, Line (10)
(11) Sum[Lines (3), (9), (10)]
(12) [Lines (3) + Line (11)] ÷ 2
(14) [Line (12) x Line (13)] ÷ 365 x Line (1)
(15) RMS/MJP-7, Pg 2, Line (50)
(16) Sum[Lines (11), (14), (15)]
(18) Nov-19: RMS/MJP-1 Second Revision, pg 7, Line (35)(m)
(19) RMS/MJP-1 Second Revision, pg 6, Line (74)
(21) RMS/MJP-1 Second Revision, pg 3, Line (8) ÷ 12
(22) RMS/MJP-1 Second Revision, pg 11, Line (22)
(23) RMS/MJP-1 Second Revision, pg 11, Line (12)
(24) RMS/MJP-1 Second Revision, pg 9, Line (32)
(25) Sum[Lines (19)-(24)]
(26) RMS/MJP-1 Second Revision, pg 8, Line (15)
(27) Sum[Lines (18), (25), (26)]
(28) [Line (18) + Line (27)] ÷ 2
(30) [Line (28) x Line (29)] ÷ 365 x Line (1)
(32) Sum[Lines (27), (30), (31)]
(34) Line (3) + Line (18)
(35) Sum[Lines (4),(8),(15),(19)-(21)]
(36) Line (22) + Line (23)
(37) Line (7) + Line (24)
(38) Line (6)
(39) Sum[Lines (35)-(38)]
(40) Line (10) + Line (26)
(41) Sum[Lines (34), (39), (40)]
(42) [Lines (34) + Line (41)] ÷ 2
(44) Line (14) + Line (30)
(45) Line (31)
(46) Sum[Lines (41), (44), (45)]

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5066
Attachment RMS/MJP-3 Second Revision
Page 1 of 1

Attachment RMS/MJP-4 Second Revision
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:

Line	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	DAC: Base DAC	DAC: ISR	EE	LIHEAP	GET
(1)						Difference due to:					
(2)							DAC				
(3)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(4)											
(5)	548	$959.17	$898.59	$60.58	6.7%	$24.94	$33.82	$0.00	$0.00	$0.00	$1.82
(6)	608	$1,044.13	$976.93	$67.20	6.9%	$27.68	$37.50	$0.00	$0.00	$0.00	$2.02
(7)	667	$1,127.76	$1,054.01	$73.75	7.0%	$30.39	$41.15	$0.00	$0.00	$0.00	$2.21
(8)	726	$1,211.36	$1,131.08	$80.28	7.1%	$33.06	$44.81	$0.00	$0.00	$0.00	$2.41
(9)	785	$1,294.82	$1,208.04	$86.77	7.2%	$35.73	$48.44	$0.00	$0.00	$0.00	$2.60
(10)	845	$1,379.81	$1,286.41	$93.39	7.3%	$38.46	$52.13	$0.00	$0.00	$0.00	$2.80
(11)	905	$1,464.76	$1,364.76	$100.00	7.3%	$41.18	$55.82	$0.00	$0.00	$0.00	$3.00
(12)	964	$1,548.30	$1,441.76	$106.54	7.4%	$43.86	$59.48	$0.00	$0.00	$0.00	$3.20
(13)	1,023	$1,631.87	$1,518.80	$113.07	7.4%	$46.57	$63.11	$0.00	$0.00	$0.00	$3.39
(14)	1,082	$1,715.45	$1,595.86	$119.59	7.5%	$49.25	$66.75	$0.00	$0.00	$0.00	$3.59
(15)	1,142	$1,800.45	$1,674.23	$126.22	7.5%	$51.96	$70.47	$0.00	$0.00	$0.00	$3.79

Residential Heating Low Income:

Line	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Total Bill Discount	DAC: Base DAC	DAC: ISR	EE	LIHEAP	GET
(16)						Difference due to:						
(17)								DAC				
(18)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(19)												
(20)	548	$712.43	$668.02	$44.41	6.6%	$24.94	($14.36)	$32.50	$0.00	$0.00	$0.00	$1.33
(21)	608	$775.38	$726.12	$49.26	6.8%	$27.68	($15.93)	$36.03	$0.00	$0.00	$0.00	$1.48
(22)	667	$837.36	$783.29	$54.07	6.9%	$30.39	($17.48)	$39.54	$0.00	$0.00	$0.00	$1.62
(23)	726	$899.30	$840.45	$58.86	7.0%	$33.06	($19.03)	$43.06	$0.00	$0.00	$0.00	$1.77
(24)	785	$961.16	$897.54	$63.63	7.1%	$35.73	($20.57)	$46.56	$0.00	$0.00	$0.00	$1.91
(25)	845	$1,024.13	$955.66	$68.47	7.2%	$38.46	($22.14)	$50.10	$0.00	$0.00	$0.00	$2.05
(26)	905	$1,087.10	$1,013.77	$73.33	7.2%	$41.18	($23.71)	$53.66	$0.00	$0.00	$0.00	$2.20
(27)	964	$1,149.00	$1,070.88	$78.12	7.3%	$43.86	($25.26)	$57.18	$0.00	$0.00	$0.00	$2.34
(28)	1,023	$1,210.93	$1,128.00	$82.93	7.4%	$46.57	($26.81)	$60.68	$0.00	$0.00	$0.00	$2.49
(29)	1,082	$1,272.87	$1,185.17	$87.70	7.4%	$49.25	($28.36)	$64.17	$0.00	$0.00	$0.00	$2.63
(30)	1,142	$1,335.85	$1,243.31	$92.54	7.4%	$51.96	($29.92)	$67.72	$0.00	$0.00	$0.00	$2.78

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

Residential Non-Heating:

(31)						Difference due to:					
(32)	Annual	Proposed	Current				DAC				
(33)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(34)											
(35)	144	$395.69	$387.08	$8.61	2.2%	$5.16	$3.19	$0.00	$0.00	$0.00	$0.26
(36)	158	$416.38	$406.91	$9.47	2.3%	$5.66	$3.53	$0.00	$0.00	$0.00	$0.28
(37)	172	$437.05	$426.77	$10.28	2.4%	$6.14	$3.83	$0.00	$0.00	$0.00	$0.31
(38)	189	$462.10	$450.85	$11.26	2.5%	$6.72	$4.20	$0.00	$0.00	$0.00	$0.34
(39)	202	$481.34	$469.28	$12.06	2.6%	$7.20	$4.50	$0.00	$0.00	$0.00	$0.36
(40)	220	$507.86	$494.73	$13.12	2.7%	$7.84	$4.89	$0.00	$0.00	$0.00	$0.39
(41)	238	$534.42	$520.26	$14.16	2.7%	$8.47	$5.27	$0.00	$0.00	$0.00	$0.42
(42)	251	$553.65	$538.71	$14.94	2.8%	$8.94	$5.55	$0.00	$0.00	$0.00	$0.45
(43)	268	$578.74	$562.72	$16.02	2.8%	$9.57	$5.97	$0.00	$0.00	$0.00	$0.48
(44)	282	$599.42	$582.58	$16.85	2.9%	$10.06	$6.28	$0.00	$0.00	$0.00	$0.51
(45)	297	$621.56	$603.84	$17.72	2.9%	$10.59	$6.60	$0.00	$0.00	$0.00	$0.53

Residential Non-Heating Low Income:

(46)						Difference due to:						
(47)	Annual	Proposed	Current				Total Bill	DAC				
(48)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Discount	Base DAC	ISR	EE	LIHEAP	GET
(49)												
(50)	144	$294.95	$288.76	$6.19	2.1%	$5.16	($2.00)	$2.84	$0.00	$0.00	$0.00	$0.19
(51)	158	$310.28	$303.49	$6.80	2.2%	$5.66	($2.20)	$3.13	$0.00	$0.00	$0.00	$0.20
(52)	172	$325.59	$318.22	$7.37	2.3%	$6.14	($2.38)	$3.39	$0.00	$0.00	$0.00	$0.22
(53)	189	$344.18	$336.09	$8.10	2.4%	$6.72	($2.62)	$3.75	$0.00	$0.00	$0.00	$0.24
(54)	202	$358.44	$349.77	$8.67	2.5%	$7.20	($2.80)	$4.01	$0.00	$0.00	$0.00	$0.26
(55)	220	$378.10	$368.68	$9.43	2.6%	$7.84	($3.05)	$4.35	$0.00	$0.00	$0.00	$0.28
(56)	238	$397.79	$387.61	$10.18	2.6%	$8.47	($3.29)	$4.70	$0.00	$0.00	$0.00	$0.31
(57)	251	$412.04	$401.31	$10.73	2.7%	$8.94	($3.47)	$4.94	$0.00	$0.00	$0.00	$0.32
(58)	268	$430.66	$419.15	$11.51	2.7%	$9.57	($3.72)	$5.32	$0.00	$0.00	$0.00	$0.35
(59)	282	$445.97	$433.90	$12.07	2.8%	$10.06	($3.90)	$5.55	$0.00	$0.00	$0.00	$0.36
(60)	297	$462.41	$449.67	$12.73	2.8%	$10.59	($4.12)	$5.88	$0.00	$0.00	$0.00	$0.38

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

C & I Small:

(61)						Difference due to:					
(62)	Annual	Proposed	Current				DAC				
(63)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(64)											
(65)	830	$1,408.25	$1,315.68	$92.57	7.0%	$37.77	$52.02	$0.00	$0.00	$0.00	$2.78
(66)	919	$1,524.97	$1,422.43	$102.54	7.2%	$41.84	$57.62	$0.00	$0.00	$0.00	$3.08
(67)	1,010	$1,644.39	$1,531.73	$112.66	7.4%	$45.96	$63.32	$0.00	$0.00	$0.00	$3.38
(68)	1,099	$1,761.12	$1,638.54	$122.58	7.5%	$50.00	$68.90	$0.00	$0.00	$0.00	$3.68
(69)	1,187	$1,876.69	$1,744.24	$132.45	7.6%	$54.04	$74.44	$0.00	$0.00	$0.00	$3.97
(70)	1,277	$1,994.76	$1,852.32	$142.44	7.7%	$58.10	$80.07	$0.00	$0.00	$0.00	$4.27
(71)	1,367	$2,112.78	$1,960.32	$152.45	7.8%	$62.18	$85.70	$0.00	$0.00	$0.00	$4.57
(72)	1,456	$2,229.55	$2,067.15	$162.40	7.9%	$66.24	$91.29	$0.00	$0.00	$0.00	$4.87
(73)	1,544	$2,345.07	$2,172.86	$172.22	7.9%	$70.24	$96.81	$0.00	$0.00	$0.00	$5.17
(74)	1,635	$2,464.47	$2,282.14	$182.33	8.0%	$74.37	$102.49	$0.00	$0.00	$0.00	$5.47
(75)	1,725	$2,582.50	$2,390.12	$192.37	8.0%	$78.47	$108.13	$0.00	$0.00	$0.00	$5.77

C & I Medium:

(76)						Difference due to:					
(77)	Annual	Proposed	Current				DAC				
(78)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(79)											
(80)	6,907	$8,904.83	$8,076.72	$828.11	10.3%	$314.27	$489.00	$0.00	$0.00	$0.00	$24.84
(81)	7,650	$9,748.70	$8,831.51	$917.20	10.4%	$348.05	$541.63	$0.00	$0.00	$0.00	$27.52
(82)	8,391	$10,589.84	$9,583.81	$1,006.03	10.5%	$381.79	$594.06	$0.00	$0.00	$0.00	$30.18
(83)	9,136	$11,435.81	$10,340.45	$1,095.36	10.6%	$415.68	$646.82	$0.00	$0.00	$0.00	$32.86
(84)	9,880	$12,280.73	$11,096.17	$1,184.56	10.7%	$449.54	$699.48	$0.00	$0.00	$0.00	$35.54
(85)	10,623	$13,124.64	$11,850.97	$1,273.67	10.7%	$483.33	$752.13	$0.00	$0.00	$0.00	$38.21
(86)	11,366	$13,968.49	$12,605.73	$1,362.75	10.8%	$517.16	$804.71	$0.00	$0.00	$0.00	$40.88
(87)	12,111	$14,814.46	$13,362.36	$1,452.09	10.9%	$551.05	$857.48	$0.00	$0.00	$0.00	$43.56
(88)	12,855	$15,659.36	$14,118.11	$1,541.26	10.9%	$584.87	$910.15	$0.00	$0.00	$0.00	$46.24
(89)	13,596	$16,500.53	$14,870.39	$1,630.13	11.0%	$618.62	$962.61	$0.00	$0.00	$0.00	$48.90
(90)	14,340	$17,345.41	$15,626.10	$1,719.31	11.0%	$652.46	$1,015.27	$0.00	$0.00	$0.00	$51.58

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

C & I LLF Large:

						Difference due to:					
(91)							DAC				
(92)	Annual	Proposed	Current								
(93)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(94)											
(95)	37,587	$45,098.16	$42,408.95	$2,689.21	6.3%	$1,710.21	$898.32	$0.00	$0.00	$0.00	$80.68
(96)	41,634	$49,686.08	$46,707.29	$2,978.79	6.4%	$1,894.37	$995.06	$0.00	$0.00	$0.00	$89.36
(97)	45,683	$54,276.64	$51,008.17	$3,268.47	6.4%	$2,078.58	$1,091.84	$0.00	$0.00	$0.00	$98.05
(98)	49,731	$58,866.27	$55,308.17	$3,558.09	6.4%	$2,262.76	$1,188.59	$0.00	$0.00	$0.00	$106.74
(99)	53,777	$63,453.13	$59,605.61	$3,847.52	6.5%	$2,446.84	$1,285.25	$0.00	$0.00	$0.00	$115.43
(100)	57,825	$68,042.75	$63,905.56	$4,137.20	6.5%	$2,631.06	$1,382.02	$0.00	$0.00	$0.00	$124.12
(101)	61,873	$72,632.32	$68,205.51	$4,426.80	6.5%	$2,815.24	$1,478.76	$0.00	$0.00	$0.00	$132.80
(102)	65,920	$77,220.21	$72,503.86	$4,716.35	6.5%	$2,999.37	$1,575.49	$0.00	$0.00	$0.00	$141.49
(103)	69,967	$81,808.82	$76,802.91	$5,005.92	6.5%	$3,183.51	$1,672.23	$0.00	$0.00	$0.00	$150.18
(104)	74,016	$86,399.39	$81,103.83	$5,295.56	6.5%	$3,367.72	$1,768.97	$0.00	$0.00	$0.00	$158.87
(105)	78,063	$90,987.31	$85,402.20	$5,585.10	6.5%	$3,551.87	$1,865.68	$0.00	$0.00	$0.00	$167.55

C & I HLF Large:

						Difference due to:					
(106)							DAC				
(107)	Annual	Proposed	Current								
(108)	Consumption (Therms)	Rates	Rates	Difference	% Chg	GCR	Base DAC	ISR	EE	LIHEAP	GET
(109)											
(110)	41,956	$41,720.80	$38,943.92	$2,776.88	7.1%	$1,497.84	$1,195.73	$0.00	$0.00	$0.00	$83.31
(111)	46,471	$45,943.31	$42,867.61	$3,075.70	7.2%	$1,659.01	$1,324.42	$0.00	$0.00	$0.00	$92.27
(112)	50,991	$50,170.11	$46,795.21	$3,374.90	7.2%	$1,820.39	$1,453.26	$0.00	$0.00	$0.00	$101.25
(113)	55,507	$54,393.45	$50,719.71	$3,673.74	7.2%	$1,981.60	$1,581.93	$0.00	$0.00	$0.00	$110.21
(114)	60,028	$58,621.06	$54,648.08	$3,972.98	7.3%	$2,142.99	$1,710.80	$0.00	$0.00	$0.00	$119.19
(115)	64,545	$62,845.27	$58,573.33	$4,271.95	7.3%	$2,304.28	$1,839.51	$0.00	$0.00	$0.00	$128.16
(116)	69,062	$67,069.47	$62,498.56	$4,570.91	7.3%	$2,465.50	$1,968.28	$0.00	$0.00	$0.00	$137.13
(117)	73,583	$71,297.07	$66,426.93	$4,870.13	7.3%	$2,626.91	$2,097.12	$0.00	$0.00	$0.00	$146.10
(118)	78,099	$75,520.42	$70,351.42	$5,169.00	7.3%	$2,788.11	$2,225.82	$0.00	$0.00	$0.00	$155.07
(119)	82,619	$79,747.15	$74,278.99	$5,468.16	7.4%	$2,949.49	$2,354.63	$0.00	$0.00	$0.00	$164.04
(120)	87,137	$83,973.19	$78,205.96	$5,767.24	7.4%	$3,110.80	$2,483.42	$0.00	$0.00	$0.00	$173.02

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

C & I LLF Extra-Large:

Line	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	DAC: Base DAC	DAC: ISR	EE	LIHEAP	GET
(121)						Difference due to:					
(122)											
(123)											
(124)											
(125)	233,835	$210,848.95	$194,239.43	$16,609.52	8.6%	$10,639.50	$5,471.73	$0.00	$0.00	$0.00	$498.29
(126)	259,019	$232,889.84	$214,491.49	$18,398.35	8.6%	$11,785.36	$6,061.04	$0.00	$0.00	$0.00	$551.95
(127)	284,197	$254,926.17	$234,739.37	$20,186.80	8.6%	$12,930.99	$6,650.21	$0.00	$0.00	$0.00	$605.60
(128)	309,381	$276,967.03	$254,991.37	$21,975.66	8.6%	$14,076.85	$7,239.54	$0.00	$0.00	$0.00	$659.27
(129)	334,562	$299,005.62	$275,241.39	$23,764.23	8.6%	$15,222.57	$7,828.73	$0.00	$0.00	$0.00	$712.93
(130)	359,745	$321,045.76	$295,492.76	$25,553.00	8.6%	$16,368.40	$8,418.01	$0.00	$0.00	$0.00	$766.59
(131)	384,928	$343,085.90	$315,744.10	$27,341.80	8.7%	$17,514.22	$9,007.33	$0.00	$0.00	$0.00	$820.25
(132)	410,110	$365,125.23	$335,994.74	$29,130.49	8.7%	$18,660.00	$9,596.58	$0.00	$0.00	$0.00	$873.91
(133)	435,293	$387,165.39	$356,246.12	$30,919.27	8.7%	$19,805.87	$10,185.82	$0.00	$0.00	$0.00	$927.58
(134)	460,471	$409,201.66	$376,493.96	$32,707.69	8.7%	$20,951.43	$10,775.03	$0.00	$0.00	$0.00	$981.23
(135)	485,655	$431,242.58	$396,746.04	$34,496.54	8.7%	$22,097.29	$11,364.35	$0.00	$0.00	$0.00	$1,034.90

C & I HLF Extra-Large:

Line	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	DAC: Base DAC	DAC: ISR	EE	LIHEAP	GET
(136)						Difference due to:					
(137)											
(138)											
(139)											
(140)	486,528	$380,913.06	$348,862.38	$32,050.68	9.2%	$17,369.06	$13,720.10	$0.00	$0.00	$0.00	$961.52
(141)	538,924	$421,268.10	$385,765.76	$35,502.34	9.2%	$19,239.60	$15,197.67	$0.00	$0.00	$0.00	$1,065.07
(142)	591,320	$461,622.30	$422,668.35	$38,953.95	9.2%	$21,110.11	$16,675.22	$0.00	$0.00	$0.00	$1,168.62
(143)	643,718	$501,978.66	$459,572.90	$42,405.76	9.2%	$22,980.75	$18,152.84	$0.00	$0.00	$0.00	$1,272.17
(144)	696,109	$542,329.40	$496,472.33	$45,857.07	9.2%	$24,851.10	$19,630.26	$0.00	$0.00	$0.00	$1,375.71
(145)	748,506	$582,685.07	$533,376.31	$49,308.76	9.2%	$26,721.63	$21,107.87	$0.00	$0.00	$0.00	$1,479.26
(146)	800,903	$623,040.76	$570,280.22	$52,760.54	9.3%	$28,592.24	$22,585.48	$0.00	$0.00	$0.00	$1,582.82
(147)	853,294	$663,391.50	$607,179.63	$56,211.88	9.3%	$30,462.60	$24,062.92	$0.00	$0.00	$0.00	$1,686.36
(148)	905,692	$703,747.88	$644,084.24	$59,663.64	9.3%	$32,333.21	$25,540.52	$0.00	$0.00	$0.00	$1,789.91
(149)	958,088	$744,102.02	$680,986.76	$63,115.26	9.3%	$34,203.73	$27,018.07	$0.00	$0.00	$0.00	$1,893.46
(150)	1,010,485	$784,457.70	$717,890.68	$66,567.02	9.3%	$36,074.32	$28,495.69	$0.00	$0.00	$0.00	$1,997.01

Attachment RMS/MJP-5 Second Revision
FT-2 Demand Rate

REDACTED

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

	Item	Reference	Proposed	Billing Units
	(a)	(b)	(c)	(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)

		Source			
	Description	Reference	Line #	Amount	
	(a)	(b)	(c)	(d)	
(1)	Storage Fixed Costs	RMS/MJP-1 Second Revision pg 5	Line (43)	[redacted]	
	Less:				
(2)	System Pressure to DAC			($6,109,925)	
(3)	Credits			$0	
(4)	Refunds			$0	
(5)	Total Credits	Sum [(2)-(4)]		($6,109,925)	
	Plus:				
(6)	Supply Related LNG O&M Costs	RMS/MJP-1 Second Revision Pg 2	Line (8)	$829,823	
(7)	Working Capital Requirement	RMS/MJP-1 Second Revision pg 10	Line (47)	$165,255	
(8)	FT Demand Everett	RMS/MJP-1 Second Revision pg 4	Line (5)	$1,275,360	
(9)	Total Additions	Sum [(6)-(8)]		$2,270,438	
(10)	Total Storage Fixed Costs	(1) + (5) + (9)		[redacted]	
	Inventory Financing				
(11)	Underground	RMS/MJP-1 Second Revision pg 11	Line (12)	$452,816	
(12)	LNG	RMS/MJP-1 Second Revision pg 11	Line (22)	$239,415	
(13)	Total Storage Fixed Costs	(10) + (11) + (12)		[redacted]	
(14)	LNG Storage MDQ (Dth)	RMS/MJP-1 Second Revision pg 13	Line (14)	[redacted]	
(15)	AGT	GSP-1 Second Revision			
(16)	TENN	GSP-1 Second Revision			
(17)	Total Storage MDQ	Sum [(14)-(16)]			
(18)	Storage MDQ X 12 Months	(17) x 12		[redacted]	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		**$2,868,079**	

REDACTED

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

	Description	Source Reference	Source Line #	Amount	
	(a)	(b)	(c)	(d)	
(1)	Total Storage Fixed Costs	Pg 2	Line (13)	[redacted]	
(2)	Usage (Dth) Nov 2020 - Oct 2021	RMS/MJP-1 Second Revision, 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

Attachment RMS/MJP-6
FT-2 Capacity Allocator Percentages

RI Gas Company
Capacity Assignment Table

			% of Peak Day Requirement				% of Total Capacity		
			Pipeline	Storage	Peaking	Total	Pipeline	Storage	Peaking
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	HLF	Res - Non-Heating	68.0%	7.0%	25.0%	100.0%	0.9%	0.7%	0.7%
2	HLF	Res - Non-Heating LI	68.0%	7.0%	25.0%	100.0%			
3	LLF	Res - Heating	53.0%	11.0%	36.0%	100.0%	61.0%	63.6%	63.6%
4	LLF	Res - Heating LI	53.0%	11.0%	36.0%	100.0%			
5	LLF	Small	53.0%	11.0%	36.0%	100.0%	7.5%	8.0%	8.0%
6	LLF	Med	53.0%	11.0%	36.0%	100.0%	9.2%	9.1%	9.1%
7	LLF	Large Low Load	53.0%	11.0%	36.0%	100.0%	2.0%	2.2%	2.2%
8	HLF	Large High Load	68.0%	7.0%	25.0%	100.0%	0.5%	0.3%	0.3%
9	LLF	XL Low Load	53.0%	11.0%	36.0%	100.0%	0.1%	0.2%	0.2%
10	HLF	XL High Load	68.0%	7.0%	25.0%	100.0%	0.3%	0.2%	0.2%
11	HLF	High Load Factor	68.0%	7.0%	25.0%	100.0%	6.9%	3.7%	3.7%
12	LLF	Low Load Factor	53.0%	11.0%	36.0%	100.0%	93.1%	96.3%	96.3%
13		Total	54.0%	11.0%	35.0%	100.0%	100.0%	100.0%	100.0%

Attachment RMS/MJP-7
Marketer Reconciliation

2018-19 & 2019-20 Annual Marketer Reconciliation

	Description	# of days	Tetco ELA/Algonquin	Tetco WLA/Algonquin	Tennessee Zone 1 to NEGC	Tetco STX/Algonquin	Algonquin @ Lambertville, NJ	Columbia (Maumee/Downington)	Tennessee 6 to 6 Dracut	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j) = Sum[(c) : (i)]
	2019-2020 Marketer Reconciliation									
	Month of activity									
(1)	Nov-19	30	195,000	255,000	285,000	121,320	79,980	90,000	24,420	1,050,720
(2)	Dec-19	31	201,500	263,500	303,769	125,364	83,948	93,000	30,318	1,101,399
(3)	Jan-20	31	201,500	263,500	303,800	125,364	84,072	93,000	30,721	1,101,957
(4)	Feb-20	28	188,500	246,500	287,071	117,276	78,532	87,000	28,623	1,033,502
(5)	Mar-20	31	201,469	263,469	306,838	125,333	83,855	93,000	30,101	1,104,065
(6)	Apr-20	30	195,000	255,000	296,970	121,320	80,970	90,000	31,260	1,070,520
(7)	May-20	31	201,500	263,500	306,900	125,364	83,018	93,000	30,132	1,103,414
(8)	Jun-20	30	195,000	255,000	297,000	121,320	79,770	90,000	27,150	1,065,240
(9)	Jul-20	31	195,000	255,000	297,000	121,320	79,770	90,000	27,150	1,065,240
(10)	Aug-20	31	195,000	255,000	297,000	121,320	79,770	90,000	27,150	1,065,240
(11)	Sep-20	30	195,000	255,000	297,000	121,320	79,770	90,000	27,150	1,065,240
(12)	Oct-20	31	195,000	255,000	297,000	121,320	79,770	90,000	27,150	1,065,240
(13)	Total		2,359,469	3,085,469	3,575,348	1,467,941	973,225	1,089,000	341,325	12,891,777
	Approved									
(14)	System Average		$0.8143	$0.8143	$0.8143	$0.8143	$0.8143	$0.8143	$0.8143	
(15)	Path		$0.9623	$1.1466	$1.0006	$1.4064	$0.5848	$0.3349	$1.9442	
(16)	Credit/Surcharge		($0.1480)	($0.3323)	($0.1863)	($0.5921)	$0.2295	$0.4794	($1.1299)	
	Revised									
(17)	System Average		$0.8315	$0.8315	$0.8315	$0.8315	$0.8315	$0.8315	$0.8315	
(18)	Path		$0.9275	$1.1013	$0.9420	$1.3387	$0.6125	$0.3717	$1.9314	
(19)	Credit/Surcharge		($0.0960)	($0.2698)	($0.1105)	($0.5072)	$0.2190	$0.4598	($1.0999)	
(20)	Variance_Approved Surcharge/Credit vs. Revised Surch		$0.0520	$0.0625	$0.0758	$0.0849	($0.0105)	($0.0196)	$0.0300	
(21)	Annual MDCQ		2,359,469	3,085,469	3,575,348	1,467,941	973,225	1,089,000	341,325	12,891,777
(22)	Updated 2018-19 Marketer Reconciliation Adjustment		$122,692	$192,842	$271,011	$124,628	($10,219)	($21,344)	$10,240	$689,850

(13): Sum[Lines (1) : (12)]
(14) & (15): Dkt 4963 EDA/SAJ-1 filed on September 3, 2019
(16): Line (14) - Line (15)
(19): Line (17) - Line (18)
(20): Line (19) - Line (16)
(21): Line (13)
(22): Line (20) x Line (21)

2018-19 & 2019-20 Annual Marketer Reconciliation

Line	Description (a)	# of days (b)	Tetco ELA/Algonquin (c)	Tetco WLA/Algonquin (d)	Tennessee Zone 1 to NEGC (e)	Tetco STX/Algonquin (f)	Algonquin @ Lambertville, NJ (g)	Columbia (Maumee/Downington) (h)	Tennessee 6 to 6 Dracut (i)	Total (j) = Sum[(c) : (i)]
	2018-2019 Marketer Reconciliation									
	Month of activity									
(23)	Nov-18	30	194,970	255,000	285,000	121,320	74,340	87,300	6,330	1,024,260
(24)	Dec-18	31	201,500	263,500	294,500	125,333	79,329	93,000	12,059	1,069,221
(25)	Jan-19	31	201,500	263,500	294,500	125,364	78,864	93,000	9,393	1,066,121
(26)	Feb-19	29	182,000	238,000	266,000	113,232	71,400	84,000	9,100	963,732
(27)	Mar-19	31	201,469	263,500	294,500	125,364	78,895	93,000	8,928	1,065,656
(28)	Apr-19	30	195,000	255,000	285,000	121,320	76,230	90,000	8,370	1,030,920
(29)	May-19	31	201,500	263,500	294,500	125,364	80,135	93,000	13,888	1,071,887
(30)	Jun-19	30	194,970	254,970	284,970	121,320	77,640	90,000	14,250	1,038,120
(31)	Jul-19	31	201,500	263,500	294,500	125,364	79,856	93,000	14,043	1,071,763
(32)	Aug-19	31	201,500	263,500	294,500	125,364	80,817	93,000	17,918	1,076,599
(33)	Sep-19	30	195,000	254,970	285,000	121,320	77,850	90,000	16,230	1,040,370
(34)	Oct-19	31	201,500	263,500	294,500	125,364	81,623	93,000	21,266	1,080,753
(35)	Total		2,372,409	3,102,440	3,467,470	1,476,029	936,979	1,092,300	151,775	12,599,402
	Approved									
(36)	System Average		$0.7693	$0.7693	$0.7693	$0.7693	$0.7693	$0.7693	$0.7693	
(37)	Path		$0.7847	$0.8774	$1.0298	$1.1580	$0.5192	$0.2702	$2.2692	
(38)	Credit/Surcharge		($0.0154)	($0.1081)	($0.2605)	($0.3887)	$0.2501	$0.4991	($1.4999)	
	Revised									
(39)	System Average		$0.7821	$0.7821	$0.7821	$0.7821	$0.7821	$0.7821	$0.7821	
(40)	Path		$0.8633	$0.9806	$1.0163	$1.2853	$0.5192	$0.2823	$2.2659	
(41)	Credit/Surcharge		($0.0812)	($0.1985)	($0.2342)	($0.5032)	$0.2629	$0.4998	($1.4838)	
(42)	Variance_Approved Surcharge/Credit vs. Revised Surch		($0.0658)	($0.0904)	$0.0263	($0.1145)	$0.0128	$0.0007	$0.0161	
(43)	Annual MDCQ		2,372,409	3,102,440	3,467,470	1,476,029	936,979	1,092,300	151,775	12,599,402
(44)	Updated 2018-19 Marketer Reconciliation Adjustment		($156,105)	($280,461)	$91,194	($169,005)	$11,993	$765	$2,444	($499,174)
(45)	Under/(Over)-collections 2018-19 Marketer Reconciliation[1]									$345
(46)	Total 2018-19 amount subject to Marketer Reconciliation									($498,829)
(47)	Already Collected from Marketers[2]									$2,569
(48)	Under/(Over)-collections for 2019-20 Marketer Reconciliation									($501,398)
(49)	Total 2018-19 & 2019-20 Marketer Reconciliation Surcharged to Marketers									$188,452
(50)	Total 2018-19 & 2019-20 Marketer Reconciliation_Credit to Firm Sales Customers									**($188,452)**

(36) & (37): Dkt 4872 EDA-4
(38): Line (36) - Line (37)
(41): Line (39) - Line (40)
(42): Line (41) - Line (38)
(43): Line (35)
(44): Line (42) x Line (43)
(46): Line (44) + Line (45)
(48): Line (46) - Line (47)
(49): Line (22) + Line (48)
(50): - Line (49)

[1] Docket No. 4963 Attachment MJP/AEL-7, Line 48, updated to reflect actual collections for Jul. 2019-Oct. 2019.

[2] Nov. 2019 - July 2020 as reflected in GCR Monthly Deferred Report filed on August 20, 2020 Schedule 2, Line 78. Aug. 2020 - Oct. 2020 are projected collections.