

September 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 – 2020 Gas Cost Recovery Filing Responses to Division Data Requests – Set 1

Dear Ms. Massaro:

I have enclosed an electronic version of National Grid's¹ responses to the Division of Public Utilities and Carriers' First Set of Data Requests in the above-referenced docket.²

This filing also contains a Request for Protective Treatment of Confidential Information pursuant to 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 certain confidential gas-cost pricing information and commercial contract terms, which are provided in responses to the following data requests: DIV 1-1, DIV 1-2, DIV 1-5, DIV 1-6, DIV 1-15, DIV 1-21, DIV 1-27, and DIV 1-28.

Accordingly, National Grid has provided the PUC with one complete unredacted copy of the confidential materials electronically via the Company's encryption software, Egress Switch. National Grid has included electronic redacted copies of these materials for the public filing.

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

² Per practice during the COVID-19 emergency period, the Company is providing PDF versions of the enclosures. The Company will provide the Commission Clerk with hard copies and, if needed, additional hard copies of the enclosures at a later date.

Luly E. Massaro, Commission Clerk Docket 5066 – Responses to Division Data Requests – Set 1 September 9, 2020 Page 2 of 2

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

Very truly yours,

Raquel J. Webster

Enclosures

cc: Docket 5066 Service List

Leo Wold, Esq. John Bell, Division

Al Mancini, Division (w/Confidential versions via Egress Switch)

Jerome D. Mierzwa, Division Consultant (w/Confidential version via 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.

| Just can | |
|-------------------|-------------------|
| | September 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 |
|---|---|--------------|
| Raquel J. Webster, Esq. | raquel.webster@nationalgrid.com; | 781-907-2121 |
| National Grid | | |
| 40 Sylvan Road | Celia.obrien@nationalgrid.com; | |
| Waltham, MA 02451 | Joanne.scanlon@nationalgrid.com; | |
| Jennifer Hutchinson, Esq. | <u>Theresa.Burns@nationalgrid.com</u> ; | |
| National Grid | Jennifer.hutchinson@nationalgrid.com; | |
| 280 Melrose Street | | |
| Providence, RI 02907 | | |
| Leticia C. Pimentel, Esq. | <u>lpimentel@rc.com;</u> | 401-709-3337 |
| Steven Boyajian, Esq. | | |
| Robinson & Cole LLP | | |
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| Providence, RI 02903 | | |
| Ann Leary | Ann.Leary@nationalgrid.com; | |
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| John Protano | Samara.jarie @ nationalgrid.com, | |
| Theodore Poe | Elizabeth.Arangio@nationalgrid.com; | |
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| 40 Sylvan Road Waltham, MA 02541 | John.protano@nationalgrid.com; | |
| | Theodore.poe@nationalgrid.com; | |
| | Michael.pini@nationalgrid.com; | |
| Leo Wold, Esq. | Leo.wold@dpuc.ri.gov; | 401-780-2177 |
| Dept. of Attorney General | John.bell@dpuc.ri.gov; | |
| 150 South Main St. | Al.mancini@dpuc.ri.gov; | |
| Providence, RI 02903 | | |
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| | dmacrae@riag.ri.gov; | |

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|--|-----------------------------------|--------------|
| Jerome Mierzwa | jmierzwa@exeterassociates.com; | |
| Exeter Associates, Inc. | | |
| 10480 Little Patuxent Parkway, Suite 300 | | |
| Columbia, MD 21044 | | |
| File an original & nine (9) copies w/: | Luly.massaro@puc.ri.gov; | 401-780-2107 |
| Luly E. Massaro, Commission Clerk | | |
| Patricia Lucarelli, Commission Counsel | Patricia.lucarelli@puc.ri.gov; | |
| Public Utilities Commission | Alan.nault@puc.ri.gov; | |
| 89 Jefferson Blvd. | | |
| Warwick, RI 02888 | Todd.bianco@puc.ri.gov; | |
| Office of Energy Resources | Christopher.Kearns@energy.ri.gov; | |
| Christopher Kearns | N' 1 1 '0 ' | |
| Nicholas Ucci | Nicholas.ucci@energy.ri.gov; | |

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

| Annual Gas Cost Recovery Filing 2020 |) | Docket No. 5066 |
|--------------------------------------|-------------|-----------------|
| 2020 |))) | |

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

Pursuant to Rule 810-RICR-00-00-1.3(H) of the PUC's Rules of Practice and Procedure (Rue 1.3(H)) and R.I. Gen. Laws § 38-2-2(4)(B), National Grid¹ respectfully requests that the Rhode Island Public Utilities Commission ("PUC") grant protection from public disclosure certain confidential, competitively sensitive, and proprietary information submitted in the Company's responses(Data Request Responses) to the Rhode Island Division of Public Utilities an Carriers' First Set of Data Requests Directed to National Grid in the above-captioned docket (Division's Data Requests). The Company also respectfully requests that, pending entry of that finding, the PUC preliminarily grant the Company's request for confidential treatment of the designated Data Request Responses pursuant to Rule 1.3(H)(2).

I. BACKGROUND

On August 19, 2020, National Grid received the Division's Data Requests regarding it's 2020 Annual Gas Cost Recovery filing, which the Company filed on September 1, 2020. The Division's Data Requests seek a significant volume of confidential gas cost pricing information

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

and contract terms, which are provided in the following Data Request Responses or the accompanying attachments: DIV 1-1, DIV 1-2, DIV 1-5, DIV 1-6, DIV 1-15, DIV 1-21, DIV 1-27, and DIV 1-28. In accordance with Rule 1.3(H)(3), National Grid has provided redacted public and unredacted confidential versions of its responses to these eight data requests.

The Company requests that, pursuant to Rule 1.3(H), the PUC afford confidential treatment to the gas cost pricing information and contract terms contained in the following Data Request Responses or accompanying attachments: DIV 1-1, DIV 1-2, DIV 1-5, DIV 1-6, DIV 1-15, DIV 1-21, DIV 1-27, and DIV 1-28.

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 are deemed to be "public record[s]," 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 gas cost pricing information and confidential contract terms – which are provided in Data Request Responses DIV 1-1, DIV 1-2, DIV 1-5, DIV 1-6, DIV 1-15, DIV 1-21, DIV 1-27, and DIV 1-28 – are confidential and privileged information of the type that National Grid would not ordinarily make public. As such, the information should be protected from public disclosure. Public disclosure of such information could impair National Grid's ability to obtain advantageous pricing or other terms in the future, thereby causing substantial competitive harm. Accordingly, National Grid is providing the information on a voluntary basis to assist the PUC with its decision-making in this proceeding, but respectfully requests that the PUC provide confidential treatment to the information.

IV. CONCLUSION

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

[SIGNATURE ON NEXT PAGE]

Respectfully submitted,

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

By its attorney,

Raquel J. Webster (Bar #9064)

National Grid 40 Sylvan Road Waltham, MA 02451 Tel. 781-907-2121

Raquel.webster@nationalgrid.com

Dated: September 9, 2020

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-1

Request:

Please provide a complete *monthly* history of the Company's gas purchase activity for the period April 2019 through July 2020. Please provide the Company's response in Excel format. The history should include the following:

- a. Rates paid to each supplier and under each pipeline/contract/rate schedule by component (i.e., demand/reservation, variable, deliverability, capacity, injection/withdrawal, commodity, etc.), separately for firm and interruptible gas purchase, transportation, and storage transactions;
- b. The applicable quantity for each component identified in subpart (a);
- c. The applicable cost for each component identified in subpart (a);
- d. For each gas supply purchase, identify the transporting pipeline(s) and receipt and delivery points. Provide a key identifying pipeline receipt points by zone (e.g., TGP 4):
- e. For all gas supply purchases made under interruptible delivery arrangements, indicate whether transportation charges are incorporated within or are in addition to the commodity gas costs;
- f. For gas supply purchases, identify the dates of flow; and
- g. Separately identify any transactions made to support off-system sales.

Response:

Please see the attached Excel spreadsheet, Attachment DIV 1-1 for (a) - (f), for the information concerning the Company's gas purchase activity for the period of April 2019 through July 2020 requested in (a) - (f) above.

Attachment DIV 1-1 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment DIV 1-1, subject to a Motion for Protective Treatment.

With respect to (g), the Company does not associate specific purchases to specific sales to calculate margins. As described in Section III.E of the Company's Natural Gas Portfolio Management Plan, approved by the Rhode Island Public Utilities Commission in Docket No. 4038, the Company calculates a weighted average price of all purchased supply and uses that cost to calculate margins against all Company sales.

The Narragansett Electric Company d/b/a National Grid Undocketed

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Attachment DIV 1-1

Please see Excel Version of Attachment DIV 1-1

The Narragansett Electric Company d/b/a National Grid Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-2

Request:

Excluding those agreements which govern Canadians pipeline contracts, please provide a copy of each Asset Management Agreement in effect during the period April 2019 through July 2020.

Response:

Please see Attachment DIV 1-2 for all Asset Management Agreements in effect during the period April 2019 through July 2020.

Attachment DIV 1-2 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment DIV 1-2, subject to a Motion for Protective Treatment.

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REDACTED

nationalgrid

Transaction Confirmation Asset Management Arrangement (Package 3) The Narragansett Electric Company d/b/a National Grid

| TRANSACT | TON CONFIRMATION |
|---|---|
| dated August 13, 2019. This Transaction Confirmation is su | Date: September 17, 2019 Transaction Confirmation #: ional Grid's Request for Proposals for Asset Management Arrangements abject to the Base Contract between Seller and Buyer, dated August 1, |
| SELLER OR ASSET MANAGER: EDF Trading North America, LLC 601 Travis Street, Suite 1700 Houston, TX 77002 Attn: Contract Administration Phone: (281) 781-0333 Fax: (281) 653-1454 Trader: Daniel Mraz | 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, 2019 End: | October 31, 2020 |
| Performance Obligation and Contract Quantity: See Spec | cial Conditions below. |
| | the Additional Call, the primary Delivery Point shall be the point of 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 EDF Trading Limited.

RIPUC Docket No. 5066

Attachment DIV 1-

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

Page 2 of 10

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

"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 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, zero rate, non-biddable basis, at no cost to Seller, the Assets. With respect to pipeline transportation service in Canada: (i) Buyer shall assign to Seller Union Gas Limited ("Union") firm transportation service as described in Contract M12164 from Dawn to Parkway in an amount of 1,081 GJ/Day pursuant to a temporary assignment with Union; and (ii) Buyer shall assign to Seller TransCanada Pipelines Limited ("TransCanada") firm transportation service as described in Contract 42386from Parkway to Waddington in an amount of 1,068 GJ/Day pursuant to a temporary assignment with TransCanada. 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 an Event of Default occurs with respect to Seller as the Defaulting Party.

2. Gas Supply Requirements:

- A.On any day during the period of November 1, 2019 through March 31, 2020 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:
 - 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.
 - 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, 2019 through March 31, 2020 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, an Event of Default occurs with respect to Seller as the Defaulting Party, 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

RIPUC Docket No. 5066

Attachment DIV 142

Page 3 of 10 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 ca | all |
|----|--|-----|
| | pursuant to Special Condition B(2)(A)(ii) shall be equal to | |

- 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
- The commodity price for Gas called on through the Additional Call option pursuant to Special Condition B(2)(B) shall be equal to

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- by S&P and/or Baa3 by 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 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 or its Credit Support Provider has a Credit Rating of at least BBB- by S&P and/or Baa3 by 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 Baa3 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 Buver.

RIPUC Docket No. 5066

Attachment DIV 1-2

G. Asset Management Arrangement ("AMA")

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The parties acknowledge and agree that the transactions hereunder (including the release of capacity) constitute an Asset Management Arrangement and that such arrangement qualifies as a bona fide "asset management arrangement" pursuant to FERC Order No. 712, and related FERC regulations and policy as may be amended from time to time, and that Seller is acting as Asset Manager as defined in 18 CFR 284.8(h)(3), as may be amended from time to time. The parties further agree that all transactions contemplated under this Transaction Confirmation are intended to be in full compliance with the applicable rules, regulations and policies of the FERC, including Order No. 712 and shall be executed in conformance therewith. 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. 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.

I. 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.

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

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-2 Page 5 of 10

nationalgrid

Asset Management Arrangement (Package No. 4)
Transaction Confirmation
The Narragansett Electric Company d/b/a National Grid

#6876230 6876231 6876240

TRANSACTION CONFIRMATION

| | Date: August 23, 2019 Transaction Confirmation #: | | |
|---|---|--|--|
| Management Arrangements dated August 13, 2019. To of gas are subject to the NAESB Base Contract for the 1, 2012 (as may be amended or supplemented, the "li | ntion was awarded pursuant to National Grid's Request for Proposals for Asset he portions of this Transaction Confirmation relating to the purchase and sale Sale and Purchase of Natural Gas between Seller and Buyer, dated Januar Base Contract"). This Transaction Confirmation will not become binding untuit not defined herein shall be as defined in the Base Contract. | | |
| SELLER: Freepoint Commodities, LLC 58 Commerce Road Stamford, CT 06902 Attn: Contract Department Phone: 203-542-6000 Fax: 203-724-0906 | 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 Base Contract No. Transporters: Tennessee Gas Pipeline Company, L.L.C ("Tennessee") Trader: Samara Jaffe | | |
| Contract Price: See Special Conditions Section C b | | | |
| Performance Obligation and Contract Quantity: S | | | |
| Delivery Point(s): The point of interconnection between Tennessee and Buyer's facilities at Cranston, RI and Lincoln, 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, NY (pin number 420750) and Lincoln, RI (pin number 420758). The maximum delivered quantity of the Assets is 22,300 dt/day ("MDQ"), which is allocated as 20,000 dt/day at Cranston and 2,300 dt/day at Lincoln. | | | |
| "Credit Support Provider" means a legal entity proposed by Seller and acceptable to Buyer. | | | |
| *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 Comr | nission. | | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-2

Page 6 of 10

"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.
- b. Daily Call: On any day during the period of December 1, 2019 through April 30, 2020, 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 first ten (10) days on which Buyer exercises the call option pursuant to Special Condition B(b) (the "Call Option"). the Price for gas delivered in respect of such exercise (per dth) shall be equal to the price published in row |
|----|--|
| | |
| | |
| | |

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 ayable 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- by S&P and/or Baa3 by 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-based price.

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 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- by S&P and/or Baa3 by Moody's, and (ii) no Event of Default with respect to Seller has occurred and is continuing. Seller may

Attachment DIV 1-2

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provide the Collateral Requirement in the form of either (a) a guaranty from a Credit Support Provider rated at least BBB- by 5&P and/or Baa3 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;
- (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: | Freepoint | Commodities, | LLC |
|---------|-----------|--------------|-----|
| | | | |

By: Ahi Mathew
Tille: Diverton, Operations

Date: 9/9/19

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

Name: John V. Vaughn

Title: Authorized Signatory Date:

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nationalgrid

Asset Management Arrangement (Package No. 7) The Narragansett Electric Company d/b/a National Grid

TRANSACTION CONFIRMATION

| 9 | Date: September 27 <u>2019</u> Transaction Confirmation #: | | | | | |
|---|--|--|--|--|--|--|
| This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposal for Asset Management Arrangements dated August 13, 2019, which is incorporated into and made a part hereof. This Transaction Confirmation is subject to the Base Contract for Sale and Purchase of Natural Gas between Seller and Buyer, dated January 22, 2016. This Transaction Confirmation will not become binding until executed by both parties. | | | | | | |
| SELLER: Spotlight Energy, LLC Attn: Phone: 832-271-6767 Fax: 832-779-5455 Base Contract No 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 Base Contract No. Transporters: Columbia Gas Transmission L.L.C. ("TCo") Trader: Samara Jaffe | | | | | |
| Contract Price: See Special Conditions Section C I | | | | | | |
| Term: Begin: November 1, 2019 | End: October 31, 2020 | | | | | |
| Performance Obligation and Contract Quantity: S | See Special Conditions below . | | | | | |
| Delivery Point(s): The point of interconnection bet TCo-Hanover. | ween TCo and Algonquin Gas Transmission LLC ("AGT") into AGT known as | | | | | |
| Special Conditions: | | | | | | |
| A. Definitions | | | | | | |
| | "Assets" means Buyer's FTS contract 31523 with TCo, having primary receipts at Broadrun and primary deliveries in at the interconnection between TCo and Algonquin Gas Transmission, LLC ("AGT") at TCo-Hanover and a maximum daily quantity of 10,000 Dth/Day ("MDQ") | | | | | |
| "CFTC" means the U.S. Commodity Futures Trading | Commission. | | | | | |
| "Dekatherm" or "Dth" or "dt" means one (1) MMBtu. | | | | | | |
| "FERC" means the Federal Energy Regulatory Com | nission. | | | | | |
| "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 paid for by the Pledging Party. | | | | | | |
| "Moody's" means Moody's Investors Service, Inc. or its successor. | | | | | | |
| "Pledging Party" shall have the meaning set forth in F (Collateral Requirement) below. | | | | | | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-2

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"Secured Party" shall be the party other than the Pledging Party.

"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.
- b. Daily Call: On any Day during the period of November 1, 2019 through April 15, 2020. Buyer shall have the right, but not the obligation, to call on a quantity of Gas up to the MDQ at the Delivery Point.
- c. Termination Option: If at any time during the Term, Seller fails to deliver Gas required to be delivered hereunder resulting in an Affected Transaction, 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: The price | for Gas | called o | n through | the | exercise | of the | Daily | Call | shall | be equa | al t | 0 |
|----|------------------|---------|----------|-----------|-----|----------|--------|-------|------|-------|---------|------|---|
|----|------------------|---------|----------|-----------|-----|----------|--------|-------|------|-------|---------|------|---|

D. Nominations

Buyer shall make all requests for the Daily Call prior to 10:00 AM, prevailing Eastern Standard Time on the Business Day prior to the 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).

E. Asset Management Fee

Subject to Buyer's Daily Call option 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

Collateral Requirement. The "Collateral Requirement" for a party (the "Pledging Party") means the Exposure (as defined below), minus the sum of (i) the amount of cash previously transferred to the Secured Party by the Pledging Party, (ii) the amount of cash held by the Secured Party as posted collateral as the result of drawing under any Letter of Credit maintained for the benefit of the Secured Party, and (iii) the undrawn value of each Letter of Credit; provided, however, that the Collateral Requirement for either party will be deemed to be zero (0) if (i) that party has a Credit Rating of at least BBB- by S&P and/or Baa3 by Moody's, and (ii) no Event of Default has occurred and is continuing. Either party may provide the Collateral Requirement in the form of either (a) a guaranty from a Guarantor if such Guarantor is rated at least BBB- by S&P and/or Baa3 by Moody's, (b) cash, or (c) a Letter of Credit.

Exposure. Exposure shall mean the Net Settlement Amount, as calculated by the Secured Party in good faith and in a commercially reasonable manner, that the Pledging Party would owe to the Secured Party if an Early Termination Date had been calculated as of the date of such calculation as provided for in Section 10 of the Base Contract; provided that such calculations shall be at the mid point between the bid price and the offer price.

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 a 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

The Narragansett Electric Company d/b/a National Grid

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Attachment DIV 1-2

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 because to the maximum extent against a such as a such 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: Spotlight Energy, LLC Buyer The Narraganset Electric Company d/b/a National Grid Ву:_ Matt Steinberg Name: Name: Jøhn Vaughn CEO /19 Title: Authorized Signatory Title: Date: Date:

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-3

Request:

Reference Exhibit 15, of the 2020/21 Gas Long-Range Supply Plan. Please update Exhibit 15 for any changes in Resources and provide a description of each change.

Response:

Please see Attachment DIV 1-3 for an updated version of Exhibit 15. Changes in Resources from Exhibit 15 filed in the 2020/21 Gas Long-Range Supply Plan (LRP) are outlined below.

- A one-year supply deal at Everett, MA for 5,000 Dth/day with a 20-day call for the 2020/21 heating season is included in Attachment DIV 1-3. Exhibit 15 filed in the 2020/21 LRP, which contemplated the existing supply portfolio, did not include this additional supply deal at Everett. This one-year supply deal is different from the existing multiyear supply deal at Everett (NSB042-16), which was included in the 2020/21 LRP and Attachment DIV 1-3.
- A one-year supply deal at Dracut, MA for 15,000 Dth/day for the 2020/21 heating season is included in Attachment DIV 1-3. The Company will release the Tennessee capacity under an AMA and will have a call option at its city-gate. Exhibit 15 filed in the 2020/21 LRP assumed no supply deal at Dracut and no AMA relating to Tennessee capacity.
- Incremental summer liquid volumes (LNG) of 250,000 Dth for summer 2020/21 and 150,000 Dth for summer 2021/22 are included in Attachment DIV 1-3. Exhibit 15 filed in the 2020/21 LRP assumed no incremental summer liquid volumes. While the Company does not currently have these volumes under contract, they are included in the SENDOUT scenario to prevent the model from conserving LNG during the heating season to meet constraints requiring the tanks to be 100% full at the beginning of the following heating season. Both the 2020/21 LRP and Attachment DIV 1-3 include existing summer liquid volumes totaling 300,040 Dth.
- PNGTS Asset Management Arrangement for the 2020/21 gas year
 - o The Company will release its Union and TransCanada capacity on this path under an AMA, but will maintain the Portland and Tennessee capacity. The Company will not have access to the Canadian capacity shown in Attachment DIV 1-3 during the non-heating season.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-3, page 2

- Dawn capacity path in Ontario, Canada to Tennessee Zone 6 via Iroquois Asset Management Arrangement for the 2020/21 gas year
 - o The Company has included an AMA for the full pipeline path (Union/TransCanada/Iroquois/Tennessee) with an MDQ of 1,000 Dth/day. The Company will not have access to this capacity shown on Attachment DIV 1-3 during the non-heating season.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 1 of 7

| | | Design Day with Existing Resources | | | | |
|--|--|---|--|---|--|--|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | <u>2024-2025</u> |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 67 298 11 6 | 69 305 11 7 | 71 314 12 7 | 73 321 12 7 | 73 322 12 7 |
| Fuel Reimburs Underground S LNG Refill | | 6 0 0 | 6 0 0 | 6 0 0 | 6 0 0 | 6 0 0 |
| TOTAL | | 389 | 398 | 410 | 419 | 419 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 29 1 1 1 41 20 0 20 5 11 49 1 41 1 8 9 18 14 29 | 29 1 1 1 41 0 0 1 20 0 11 49 1 41 1 9 9 18 14 29 | 29 1 1 1 41 0 0 0 11 49 1 41 1 9 9 18 14 29 | 29 1 1 41 0 0 0 11 49 1 41 1 9 9 18 0 29 | 29 1 1 41 0 0 0 11 49 1 41 1 9 9 18 0 29 |
| Liquid for Porta | ables and Refill | 0 | 6 | 6 | 0 | 0 |
| LNG From Sto | orage | 91 | 119 | 119 | 1 | 24 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 0 0 | 0 0 0 0 0 | 23 6 2 <u>0</u> 31 | 19 158 2 <u>0</u> 179 | 19 134 2 <u>0</u> 156 |
| TOTAL | | 389 | 398 | 410 | 419 | 419 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 2 of 7

| | I | Design Heating Season (Nov-Mar) with Existing Resources | | | | sources |
|--|--|--|---|---|---|---|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | <u>2024-2025</u> |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 5,191 22,952 853 495 | 5,301 23,439 871 505 | 5,465 24,166 898 521 | 5,637 24,925 926 537 | 5,594 24,736 919 533 |
| Fuel Reimburs Underground S LNG Refill | | 716 0 192 | 727 0 281 | 727 0 165 | 735 0 0 | 728 0 0 |
| TOTAL | | 30,398 | 31,123 | 31,942 | 32,761 | 32,511 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate | 2,497 77 136 5,749 290 0 651 24 1,334 7,197 82 5,535 165 347 1,379 1,210 414 | 2,759 81 162 5,540 0 0 651 0 1,334 7,206 82 5,754 163 371 1,357 1,186 508 | 2,796 105 140 6,032 0 0 0 1,334 7,154 82 5,403 161 403 1,379 1,497 508 | 2,705 109 143 6,105 0 0 0 1,334 7,185 81 5,605 177 460 1,329 1,827 0 | 2,674 108 102 6,204 0 0 0 1,334 7,031 77 5,576 153 454 1,321 1,796 0 |
| Liquid for Porta | Storage ables and Refill | 2,581 192 | 2,656 286 | 2,642 | 2,648 | 2,650 |
| LNG From Storage | | 539 | 804 | 918 | 753 | 753 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 0 0 | 64 159 0 <u>0</u> 223 | 144 956 3 <u>0</u> 1,102 | 145 2,149 5 <u>0</u> 2,299 | 178 2,095 5 <u>0</u> 2,278 |
| TOTAL | | 30,398 | 31,123 | 31,942 | 32,761 | 32,511 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 3 of 7

| | | Design Nor | -Heating Seas | son (Apr-Oct) | with Existing R | esources |
|--|--|---|---|---|---|---|
| | | <u>2020-2021</u> | 2021-2022 | 2022-2023 | 2023-2024 | <u>2024-2025</u> |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 2,011 8,892 330 192 | 2,075 9,174 341 198 | 2,122 9,383 349 202 | 2,122 9,381 349 202 | 2,129 9,413 350 203 |
| Fuel Reimbursement Underground Storage Refill LNG Refill | | 320 3,916 480 | 409 4,053 658 | 471 4,042 887 | 402 3,986 887 | 392 3,988 887 |
| TOTAL | | 16,142 | 16,907 | 17,456 | 17,329 | 17,362 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage | 21 0 2 3,501 0 0 0 | 304 62 54 2,969 0 0 0 | 30 2 2 4,851 0 0 0 0 | 31 2 2 7,399 0 0 0 0 | 32 2 7,093 0 0 0 0 |
| TET/AGT | M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 5,902 16 312 17 26 1,397 4,332 0 | 9,447 28 936 19 54 1,122 1,566 0 | 9,511 40 870 37 27 985 900 0 | 6,620 31 317 37 28 759 1,961 0 | 6,426 9 319 37 29 560 2,712 0 4 |
| Liquid for Porta | ables and Refill | 480 | 150 | 0 | 0 | 0 |
| LNG From Storage | | 134 | 134 | 134 | 134 | 134 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 0 0 | 0 0 0 <u>0</u> 0 | 2 0 0 0 0 2 | 0 3 0 <u>0</u> 3 | 0 3 0 <u>0</u> 3 |
| TOTAL | | 16,142 | 16,907 | 17,456 | 17,329 | 17,362 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 4 of 7

| | | | Design Annua | al with Existing | Resources | |
|--|--|---|--|--|--|---|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | <u>2024-2025</u> |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 7,202 31,843 1,184 686 | 7,376 32,613 1,212 703 | 7,587 33,549 1,247 723 | 7,759 34,306 1,275 739 | 7,723 34,150 1,269 736 |
| Fuel Reimbursement Underground Storage Refill LNG Refill | | 1,036 3,916 673 | 1,136 4,053 938 | 1,198 4,042 1,052 | 1,138 3,986 887 | 1,120 3,988 887 |
| TOTAL | | 46,540 | 48,030 | 49,398 | 50,089 | 49,873 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage | 2,518 77 138 9,250 290 0 651 24 1,334 | 3,063 142 217 8,509 0 0 651 0 1,334 | 2,826 107 142 10,883 0 0 0 1,334 | 2,736 111 146 13,503 0 0 0 1,334 | 2,705 110 105 13,297 0 0 0 1,334 |
| TET/AGT | M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 13,099 99 5,847 182 372 2,776 5,542 414 2,582 | 16,652 110 6,690 182 425 2,479 2,752 508 2,718 | 16,665 121 6,272 198 430 2,364 2,396 508 2,708 | 13,806 112 5,923 214 488 2,089 3,788 0 2,651 | 13,457 85 5,895 190 484 1,881 4,508 0 2,654 |
| Liquid for Porta | ables and Refill | 673 | 436 | 286 | 0 | 0 |
| LNG From Sto | rage | 673 | 938 | 1,052 | 887 | 887 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 0 0 | 64 159 0 <u>0</u> 223 | 145 956 3 <u>0</u> 1,104 | 145 2,152 5 <u>0</u> 2,302 | 178 2,099 5 <u>0</u> 2,281 |
| TOTAL | | 46,540 | 48,030 | 49,398 | 50,089 | 49,873 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 5 of 7

| | [| Cold Snap | Heating Seaso | on (Nov-Mar) v | with Existing R | esources |
|--|--|--|--|--|--|--|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 4,662 20,873 753 450 | 4,761 21,315 768 460 | 4,909 21,978 792 474 | 5,060 22,656 817 488 | 5,024 22,495 811 485 |
| Fuel Reimburs Underground S LNG Refill | | 667 0 192 | 679 0 211 | 684 0 116 | 692 0 0 | 683 0 0 |
| TOTAL | | 27,597 | 28,194 | 28,952 | 29,713 | 29,498 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage | 1,801 52 132 5,116 226 0 639 13 1,334 | 2,005 57 161 4,908 0 0 651 0 1,334 | 2,121 84 135 5,734 0 0 0 0 1,334 | 2,179 89 137 5,760 0 0 0 1,334 | 2,108 90 86 5,986 0 0 0 1,334 |
| TET/AGT | M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 7,070 82 5,334 146 136 1,379 583 231 2,570 | 7,093 82 5,625 139 163 1,312 606 256 2,690 | 7,116 81 4,938 136 259 1,376 986 409 2,673 | 7,031 76 5,444 160 304 1,237 1,204 0 2,653 | 6,723 71 5,440 133 304 1,256 1,194 0 2,661 |
| Liquid for Porta | ables and Refill | 192 | 211 | 212 | 0 | 0 |
| LNG From Sto | rage | 561 | 735 | 869 | 753 | 753 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 <u>0</u> 0 | 45 121 1 <u>0</u> 167 | 128 360 2 <u>0</u> 489 | 156 1,189 6 <u>0</u> 1,351 | 195 1,159 6 <u>0</u> 1,359 |
| TOTAL | | 27,597 | 28,194 | 28,952 | 29,713 | 29,498 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 6 of 7

| | | Cold Snap Non-Heating Season (Apr-Oct) with Existing Resources | | | | |
|--|--|--|---|--|---|--|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 1,856 8,312 300 179 | 1,916 8,577 309 185 | 1,959 8,771 316 189 | 1,959 8,769 316 189 | 1,965 8,798 317 190 |
| Fuel Reimbursement Underground Storage Refill LNG Refill | | 309 3,905 503 | 396 4,064 658 | 458 4,046 887 | 390 3,989 887 | 381 3,997 887 |
| TOTAL | | 15,365 | 16,105 | 16,626 | 16,498 | 16,534 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage | 5 0 1 3,240 0 0 0 | 241 62 48 2,797 0 0 0 | 15 1 1 4,595 0 0 0 0 | 15 1 1 7,163 0 0 0 0 | 16 1 1 6,853 0 0 0 |
| TET/AGT | M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 5,826 16 270 16 12 1,397 3,943 0 | 9,409 27 841 17 22 1,094 1,224 0 41 | 9,434 35 789 31 8 945 601 0 39 | 6,554 24 268 31 8 717 1,581 0 2 | 6,413 7 268 31 8 524 2,277 0 2 |
| Liquid for Porta | ables and Refill | 503 | 150 | 0 | 0 | 0 |
| LNG From Sto | orage | 134 | 134 | 134 | 134 | 134 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 |
| TOTAL | | 15,365 | 16,105 | 16,626 | 16,498 | 16,534 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-3 Page 7 of 7

| | | C | Cold Snap Ann | ual with Existir | ng Resources | |
|--|--|---|--|--|--|---|
| | | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 |
| REQUIREMEN | NTS | | | | | |
| Firm Sendout | Valley Providence Warren Westerly | 6,518 29,185 1,052 629 | 6,676 29,892 1,078 644 | 6,868 30,749 1,109 663 | 7,019 31,425 1,133 677 | 6,989 31,293 1,128 675 |
| Fuel Reimburs Underground S LNG Refill | | 977 3,905 695 | 1,075 4,064 869 | 1,142 4,046 1,003 | 1,082 3,989 887 | 1,064 3,997 887 |
| TOTAL | | 42,962 | 44,299 | 45,578 | 46,211 | 46,032 |
| RESOURCES | | | | | | |
| TGP | Dawn PNGTS Dawn Iroquois Niagara Zone 4 Dracut TGP Citygate Everett Multi Year Everett Swing Storage | 1,806 52 133 8,356 226 0 639 13 | 2,246 118 209 7,705 0 0 651 0 | 2,136 85 136 10,328 0 0 0 | 2,194 90 138 12,923 0 0 0 0 | 2,124 91 87 12,839 0 0 0 0 |
| TET/AGT | M2 Dominion South Point TCO Appalachia Transco Leidy AIM (Ramapo) AIM (Millennium) M3 AGT Citygate Storage | 12,896 98 5,604 162 148 2,776 4,525 231 2,571 | 16,502 108 6,466 155 185 2,405 1,831 256 2,730 | 16,550 116 5,727 167 267 2,321 1,587 409 2,712 | 13,585 100 5,712 191 312 1,953 2,785 0 2,654 | 13,137 77 5,708 164 312 1,780 3,470 0 2,662 |
| Liquid for Porta | ables and Refill | 695 | 361 | 212 | 0 | 0 |
| LNG From Sto | orage | 695 | 869 | 1,003 | 887 | 887 |
| Unserved | Valley Providence Warren Westerly | 0 0 0 <u>0</u> 0 | 45 121 1 <u>0</u> 167 | 128 360 2 <u>0</u> 489 | 156 1,189 6 <u>0</u> 1,351 | 195 1,159 6 <u>0</u> 1,359 |
| TOTAL | | 42,962 | 44,299 | 45,578 | 46,211 | 46,032 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-4

Request:

Please explain whether Algonquin or Tennessee has indicated that it will be requiring the Company to address hourly or take station imbalances for the winter of 2020/21. Provide supporting documentation/communications.

Response:

Neither Algonquin nor Tennessee has issued any documentation/communications regarding the need for the Company to address hourly or take station imbalances specific to the winter of 2020/21. However, in previous communications, Algonquin has indicated that the Company and other shippers may be directed to maintain hourly and/or daily take station balances when and if system conditions dictate. The Company reasonably expects that, should near-design day weather conditions arise, the pipelines will look to hold the Company to its contractual limits to minimize imbalances across their systems to ensure reliable service, up to contracted quantities, to the Company and other shippers.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-5

Request:

Please provide a copy of each contract for citygate delivered supplies in effect for the period April 2019 through October 2021.

Response:

See Attachment DIV 1-5 for all executed contracts for citygate delivered supplies in effect for the period April 2019 through October 2021.

Attachment DIV 1-5 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment DIV 1-5, subject to a Motion for Protective Treatment.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-5 Page 1 of 3

TRANSACTION CONFIRMATION FOR IMMEDIATE DELIVERY

Letterhead/Logo

Date: September 26, 2019

Transaction Confirmation #: NSB19_24-42-20

This Transaction Confirmation is subject to the Base Contract between Seller, as assignee of ENGIE Gas & LNG LLC and Buyer dated December 19, 2011. The terms of this Transaction Confirmation are binding unless disputed in writing within 2 Business Days of receipt unless otherwise specified in the Base Contract.

SELLER:

Constellation LNG, LLC 1310 Point Street, 8th Floor Baltimore, MD 21231 Attn: Contract Administration Phone: 410-470-3500

Fax: 443-213-3558

BUYER:

The Narragansett Electric Company d/b/a National Grid c/o National Grid 100 East Old County Road

Hicksville, New York 11801 Attn: Contract Administration Phone: (516) 545-6068 Fax: (516) 806-4442

Contract Price: Buyer shall pay to Seller a Contract Price, as set forth in the monthly invoice, equal to the sum of the following three components, as applicable for the billing month:

- 1. <u>Commodity Rate</u>. For each MMBtu of Gas delivered to Buyer during the Delivery Period, Buyer shall pay to Seller a rate per MMBtu equal to
- 2. Supply Demand Charge. Additionally, Buyer shall pay a non-refundable annual demand charge payment to Seller equal to for Firm delivery of Gas set forth herein ("Demand Charge"). The Demand Charge due and payable hereunder shall be paid to Seller in monthly installments of Such Demand Charge installments shall be invoiced by Seller on a monthly basis during the Winter Season and paid by Buyer in accordance with Section 7 of the Base Contract.
- 3. Pipeline Transportation Charges: In addition to the Supply Demand Charge, Buyer shall pay Seller for firm transportation charges incurred by Seller to make delivery of the MDQ specified herein to Buyer on Algonquin at the Delivery Points set forth herein, or at other locations agreed by Buyer and Seller. The payments will be invoiced monthly during the term (including any term extension) and calculated as follows: (i) for the months of April through October of each year, the charge for this component of the Contract Price will be equal to

; and (ii) for the months of November through March, the charge for this component of the Contract Price shall be equal to

For the Initial Delivery Period, Buyer shall reimburse Seller for such Algonquin demand charges and subject to Buyer's Condition Precedent, Buyer shall reimburse Seller for such Algonquin demand charges. Such transportation charges shall be invoiced by Seller on a monthly basis and paid by Buyer in accordance with Section 7 of the Base Contract.

The Commodity Rate, Supply Demand Charge and Pipeline Transportation Charges components are hereinafter collectively referred to as the "Contract Price".

Delivery Period:

<u>Initial Delivery Period</u>: Begin: November 1, 2019 End: March 31, 2022 <u>Second Delivery Period</u>: Begin: November 1, 2022 End: March 31, 2024

The Initial Delivery Period and Second Delivery Period collectively referred to as the "Delivery Period" herein.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-5 Page 2 of 3

| Performance Obligation and Contract Quantity: Firm Gas service. |
|---|
| Firm (Variable Quantity): On any day during the months of November through March of the Delivery Period, Buyer shall have the right, but not the obligation, to purchase on a Firm basis a "Maximum Daily Quantity" or "MDQ" of Gas not to exceed 14,100 MMBtu/day and a Maximum Seasonal Quantity or "MSQ" of 507,600 MMBtu during the applicable Winter Season. "Winter Season" shall mean the period from November 1 of one year through and inclusive of March 31 of the following calendar year |
| Delivery Point(s): For Firm delivery service of Gas to Narragansett Gas and Electric Company delivery points on the Algonquin Gas Transmission, LLC ("Algonquin") at a primary firm point at Meter No. 00012 (Warren) in the maximum amount of 1,000 MMBtu/Day; at a secondary firm in-path point with primary delivery point at Meter No. 00018 (Bourne) in the maximum amount of 13,100 MMBtu/Day. |
| Special Conditions: |
| Conditions Precedent: |
| Buyer and Seller: Buyer and Seller are each party to settlement discussions with Algonquin related to the pipeline's cost of service in FERC Docket No. RP19-57-000. If Algonquin and the parties to the case are unable to reach a settlement agreement in the proceeding, or in any Section 4 rate proceeding that is filed by Algonquin, by then either party to this Transaction Confirmation may terminate this Transaction Confirmation without liability for the Second Delivery Period. |
| Buyer: If Buyer is unable to obtain any input, guidance and/or informal or formal approvals and orders or other authorizations or consents as determined to be acceptable by Buyer, in its commercially reasonable discretion, from the Rhode Island Division of Public Utilities Commission by Rhode Island Division of Public Utilities Commission by Written notice no later than to the third this Transaction Confirmation, without liability for any period after the date such notice is tendered, provided however such notice date shall not be before |
| Buyer shall have the right to terminate this Transaction Confirmation effective confirmation, without liability for the Second Delivery Period, if Seller has not entered into a negotiated rate agreement or discounted rate agreement with Algonquin for Pipeline Transportation Charges applicable during the Second Delivery Period that is deemed acceptable by Buyer by such termination right to be exercised by written notice to Seller by |
| Seller: If Seller is unable to obtain a commitment from Exelon's senior management to extend the term of Seller's Algonquin contract No. 511057-R1 at least through upon terms satisfactory to Seller in Seller's sole and absolute discretion by the |
| Scheduling: All Notices and communications given in connection with Nominations pursuant to Section 4 of the Base Contract may be provided by telephone [or instant messaging]. Buyer shall make all Nominations for deliveries of gas occurring on any weekday, weekend day (Saturday, Sunday and Monday), and any Holiday prior to the Business Day prior to the Day of Gas flow; for purposes herein, "Holiday" shall mean any day that the Intercontinental Exchange ("ICE") designates as a holiday. |
| Damages: On any Day Buyer nominates a quantity of Gas to at Meter No. 00012 (Warren) in accordance with this Transaction Confirmation and Seller fails to deliver the nominated quantity other than as a result of Force Majeure or the actions or inactions of Buyer, Seller shall reimburse Buyer for each undelivered MMBtu |
| On any Day Buyer nominates a quantity of Gas to Algonquin Meter No. 00018 (Bourne) in accordance with this Transaction Confirmation and Seller fails to deliver the nominated quantity other than as a result of Force Majeure or the actions or inactions of Buyer, Seller shall reimburse Buyer for each undelivered MMBtu |
| <u>Dodd-Frank Compliance</u> : The parties agree that for purposes of this Transaction Confirmation and as of the Trade Date each party is a producer, processor, commercial user of, or a merchant handling the commodity that is the subject of the Transaction |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-5 Page 3 of 3

Confirmation and is entering into this Transaction Confirmation solely for the purposes related to its business as such. The parties confirm their intention that if any such commodity option transaction be physically settled, such that if exercised, it results in the sale of a commodity for either immediate or deferred delivery.

Document Conflict. In the event of a conflict between the terms and conditions of the (i) Transaction Confirmation, (ii) Special Provisions, and (iii) Base Contract, the terms and conditions of the documents shall govern in the priority listed in this provision.

<u>Capitalized Terms</u>: Capitalized terms used herein and not otherwise defined shall have the meaning set forth in the Base Contract, as amended, and as supplemented and modified by the Special provisions.

Seller: Constellation LNG, LLC

by.

Date: 9/26/19

Buyer: The Narragan sett Electric Company d/b/a National Grid ()

John V. Vaugh

Title: Authorized Signatory

Date: 10)16/2019

2d

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted Division 1-6

Request:

For the peak day during the 2019/20 winter season, please identify:

- a. The date, average temperature, wind speed, average temperature on the prior day, and HDDs;
- b. Total sendout;
- c. Firm throughput;
- d. FT-1 capacity exempt transport throughput;
- e. FT-1 capacity assigned transport throughput;
- f. FT-2 transport throughput;
- g. Deliveries to the Company on behalf of FT-1 capacity exempt transportation customers;
- h. Deliveries to the Company on behalf of FT-1 and FT-2 capacity assigned customers (separately);
- i. Capacity resource quantity by type assigned to FT-1 and FT-2 capacity assigned customers/suppliers (separately);
- j. Deliveries to the Company by capacity resource;
- k. Gas supply deliveries to the Company by source and price; and
- 1. Delivery and consumption of non-firm load.

Response:

Please see the responses in the chart below:

| a. | Gas Day Date | December 19, 2019 |
|----|----------------------------|-------------------|
| a. | Average Temperature | 18 oF |
| a. | Average Wind Speed | 11 mph |
| a. | Average Temperature (prior | 24 oF |
| | gas day) | |
| a. | HDD | 47 |
| b. | Total throughput | 313,560 Dth |
| c. | Firm throughput | 313,560 Dth |
| d. | FT-1 capacity exempt | 23,779 Dth |
| | transport throughput | |
| e. | FT-1 capacity assigned | 18,199 Dth |
| | transport throughput | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests
Issued on August 19, 2020

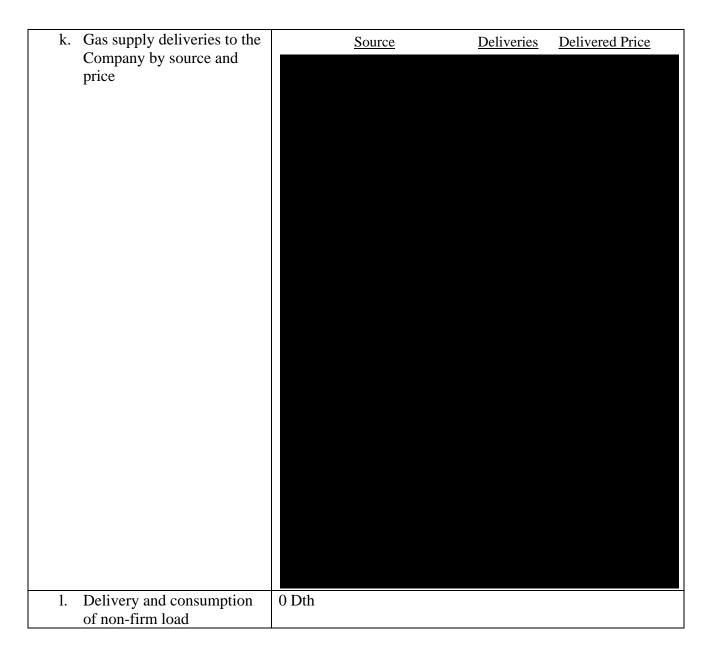
Redacted

Division 1-6, page 2

| C FF 2 | | 1 1 11 \ | |
|--|--------------------------------|---|---|
| f. FT-2 transpor | <u> </u> | not metered daily) | |
| g. Deliveries to on behalf of F exempt transp customers | T-1 capacity by | - · | a breakdown of FT-1 deliveries pacity-exempt; the marketer only |
| h. Deliveries to on behalf of I capacity assig customers (se | T-1 and FT-2 To | Total FT-1 deliveries 32,900 Total FT-2 deliveries 47,612 | , , , |
| i. Capacity reso by type assign and FT-2 cap- customers/sup (separately) | ned to FT-1 F acity assigned F | For December 2019: T-1: 14,089 Dth pipeline T-2: 27,863 Dth pipeline, 4, eaking. | ,785 Dth storage, 18,431 Dth |
| j. Deliveries to by capacity re | esource | Capacity Resource Pipeline Storage Peaking/LNG Total * Includes 971 Dth taken fro Company's Operational Bal Agreement with Algonquin | ancing |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted
Division 1-6, page 3



The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-7

Request:

Please provide an explanation and all supporting calculations, workpapers, and databases relied upon to develop the Company's design day total firm throughput and planning load throughput projections for the winter of 2020/21. Include relevant data showing how sales customer, FT-1 capacity exempt transport, FT-1 capacity assigned, and FT-2 capacity assigned transport demands were determined. Include the data in Excel format. Also, identify the actual predictive equations utilized and provide statistical model output and independent variable inputs.

Response:

As described in Section III.C.2 of its Gas Long-Range Resource and Requirements Plan for the forecast Period 2020/21 to 2024/25 ("Long Range Plan") in Docket No. 5043, the Company performs regression analysis, at the wholesale (citygate) level, for its capacity-eligible FT-1, capacity-exempt FT-1, and non-firm customers, in addition to its total throughput. Annually, when it performs this analysis, it relies on the most recent 12 months of daily data.

In the case of the 2020 submission, the twelve-month period was April 1, 2019 through March 31, 2020. By subtracting its daily capacity-eligible FT-1, capacity-exempt FT-1, and non-firm customer volumes from its total daily throughput volumes, the Company can infer the daily volume for the combined Sales and FT-2 capacity-eligible customers. Since these two customer groups are not metered daily, it relies on the ratios of the monthly volumes to infer the amount of daily Sales and daily FT-2 volumes separately. The growth in its retail (burner tip) forecast will inform the volumetric growth in the Sales, capacity-eligible FT-2, capacity-eligible FT-1, capacity-exempt FT-1, and non-firm customer groups.

The input data for the Company's regression analysis is provided herein as Attachment DIV 1-7. The details of the regression equation input data and form applied to these customer groups is described on pages 10-13 of the Long Range Plan. Below are the 2019-20 regression equations and their statistical results used in the Company's current forecast. HDD2 is the Slope1 coefficient, WE2 is the weekend variable, dT2 is the lagged temperature variable, and U1.HDD2 is the Slope2 coefficient.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-7, page 2

Total Throughput Wholesale Regression Equation

```
segmented.lm(obj = test2.lm, seg.Z = ~HDD2, psi = 10)
Estimated Break-Point(s):
   Est. St.Err
 7.518 0.315
Meaningful coefficients of the linear terms:
               Estimate Std. Error t value Pr(>|t|)
(Intercept) 54756.11 872.13 62.784 < 2e-16 ***

    HDD2
    836.00
    102.29
    8.173
    5.31e-15
    ***

    WE2
    -3760.55
    581.75
    -6.464
    3.35e-10
    ***

    dT2
    -1044.08
    64.02
    -16.308
    < 2e-16</td>
    ***

    U1.HDD2
    5573.72
    117.72
    47.349
    NA

                               102.29 8.173 5.31e-15 ***
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
Residual standard error: 7961 on 357 degrees of freedom
Multiple R-Squared: 0.9867, Adjusted R-squared: 0.9865
FT-1 Wholesale Regression Equation
segmented.lm(obj = test2.lm, seg.Z = ~HDD2, psi = 10)
Estimated Break-Point(s):
   Est. St.Err
 6.278 0.742
Meaningful coefficients of the linear terms:
               Estimate Std. Error t value Pr(>|t|)
(Intercept) 6540.762 81.242 80.510 < 2e-16 ***

HDD2 63.387 9.564 6.628 1.26e-10 ***

WE2 -757.081 50.693 -14.935 < 2e-16 ***

dT2 -38.318 5.557 -6.896 2.44e-11 ***

U1.HDD2 207.781 10.728 19.367 NA
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
Residual standard error: 693.5 on 357 degrees of freedom
Multiple R-Squared: 0.9549, Adjusted R-squared: 0.9543
Capacity-Exempt Wholesale Regression Equation
segmented.lm(obj = test2.lm, seg.Z = ~HDD2, psi = BP)
```

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-7, page 3

```
Estimated Break-Point(s):
   Est. St.Err
 4.662 0.790
Meaningful coefficients of the linear terms:
               Estimate Std. Error t value Pr(>|t|)
HDD2 45.654 12.265 3.722 0.000229 ***
WE2 -803.535 60.630 -13.253 < 2e-16 ***
dT2 -56.456 6.637 -8.507 4.99e-16 ***
U1.HDD2 231.099 13.485 17.137 NA
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
Residual standard error: 832 on 357 degrees of freedom
Multiple R-Squared: 0.94, Adjusted R-squared: 0.9391
Non-Firm Wholesale Regression Equation
segmented.lm(obj = test2.lm, seg.Z = ~HDD2, psi = BP)
Estimated Break-Point(s):
   Est. St.Err
35.714 0.408
Meaningful coefficients of the linear terms:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 4993.787 51.932 96.160 < 2e-16 ***

HDD2 -18.969 2.547 -7.447 7.22e-13 ***

WE2 -180.790 48.404 -3.735 0.000218 ***

dT2 30.898 5.302 5.828 1.26e-08 ***

U1.HDD2 -508.085 37.534 -13.537 NA
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
Residual standard error: 663.5 on 357 degrees of freedom
Multiple R-Squared: 0.5849, Adjusted R-squared: 0.5791
Sales+FT-2 Capacity-Eligible Regression Equation
segmented.lm(obj = test2.lm, seg.Z = ~HDD2, psi = 10)
Estimated Break-Point(s):
   Est. St.Err
 7.741 0.319
Meaningful coefficients of the linear terms:
              Estimate Std. Error t value Pr(>|t|)
```

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-7, page 4

| (Intercept) | 31057.98 | 812.39 | 38.230 | < 2e-16 | * * * | |
|--------------|-------------|---------|----------|----------|-------|----------|
| HDD2 | 753.29 | 95.29 | 7.906 | 3.36e-14 | * * * | |
| WE2 | -2027.74 | 541.90 | -3.742 | 0.000213 | *** | |
| dT2 | -968.80 | 59.64 | -16.245 | < 2e-16 | *** | |
| U1.HDD2 | 5155.37 | 109.65 | 47.015 | NA | | |
| | | | | | | |
| Signif. code | es: 0 '***/ | 0.001 ' | **' 0.01 | '*' 0.05 | 1. 0. | .1 ' ' 1 |

Residual standard error: 7415 on 357 degrees of freedom Multiple R-Squared: 0.9862, Adjusted R-squared: 0.986

| | | | | | | | | Pa |
|-----------|----------|--------|--------|-------|---------|------|-----|---------|
| DATE | HDD_REAL | TSO | S_FT2 | FT1 | FIRM_CE | NFS | dT | Weekend |
| 4/1/2014 | 23 | 141496 | 107176 | 12980 | 17399 | 3942 | -4 | 0 |
| 4/2/2014 | 20 | 138585 | 105795 | 12352 | 16670 | 3768 | -5 | 0 |
| 4/3/2014 | 20 | 123377 | 91821 | 11667 | 16054 | 3835 | -2 | 0 |
| 4/4/2014 | 23 | 136762 | 105572 | 11818 | 15333 | 4040 | 3 | 1 |
| 4/5/2014 | 22 | 137165 | 108341 | 10783 | 14050 | 3992 | 1 | 2 |
| 4/6/2014 | 18 | 119181 | 90908 | 10157 | 14352 | 3764 | -5 | 1 |
| 4/7/2014 | 17 | 113061 | 83855 | 10390 | 15072 | 3745 | -3 | 0 |
| 4/8/2014 | 14 | 105200 | 76787 | 10026 | 14671 | 3716 | -4 | 0 |
| 4/9/2014 | 18 | 117321 | 86907 | 11318 | 15251 | 3846 | 3 | 0 |
| 4/10/2014 | 14 | 105478 | 77449 | 10182 | 14115 | 3732 | -2 | 0 |
| 4/11/2014 | 9 | 72645 | 49853 | 7973 | 11756 | 3063 | -7 | 1 |
| 4/12/2014 | 9 | 69305 | 48459 | 7047 | 11000 | 2799 | -3 | 2 |
| 4/13/2014 | 6 | 70972 | 49272 | 7298 | 11540 | 2862 | -3 | 1 |
| 4/14/2014 | 2 | 63156 | 40375 | 7803 | 12340 | 2638 | -6 | 0 |
| 4/15/2014 | 16 | 99965 | 71283 | 10322 | 14684 | 3676 | 12 | 0 |
| 4/16/2014 | 27 | 158913 | 123568 | 13489 | 17364 | 4493 | 18 | 0 |
| 4/17/2014 | 28 | 159169 | 124827 | 13265 | 16527 | 4550 | 7 | 0 |
| 4/18/2014 | 22 | 127347 | 98637 | 11002 | 13840 | 3869 | -6 | 1 |
| 4/19/2014 | 13 | 90517 | 66998 | 8331 | 12025 | 3162 | -12 | 2 |
| 4/20/2014 | 21 | 105471 | 78656 | 9510 | 13599 | 3706 | 4 | 1 |
| 4/21/2014 | 15 | 85984 | 59675 | 9401 | 13347 | 3561 | -2 | 0 |
| 4/22/2014 | 9 | 70153 | 45800 | 8639 | 12491 | 3223 | -9 | 0 |
| 4/23/2014 | 17 | 110595 | 82180 | 10692 | 13913 | 3810 | 5 | 0 |
| 4/24/2014 | 13 | 102757 | 75247 | 10157 | 13370 | 3984 | 0 | 0 |
| 4/25/2014 | 15 | 85693 | 61079 | 8864 | 12335 | 3414 | 0 | 1 |
| 4/26/2014 | 19 | 107852 | 83523 | 8937 | 12022 | 3370 | 5 | 2 |
| 4/27/2014 | 18 | 111602 | 84606 | 9732 | 13658 | 3607 | 1 | 1 |
| 4/28/2014 | 16 | 100627 | 72162 | 10507 | 14052 | 3907 | -3 | 0 |
| 4/29/2014 | 22 | 136534 | 104723 | 12048 | 15647 | 4117 | 5 | 0 |
| 4/30/2014 | 16 | 121730 | 92272 | 11061 | 14739 | 3658 | -3 | 0 |
| 5/1/2014 | 9 | 74196 | 49724 | 8734 | 12040 | 3698 | -10 | 0 |
| 5/2/2014 | 8 | 69990 | 46611 | 7852 | 11775 | 3752 | -5 | 1 |
| 5/3/2014 | 6 | 60155 | 40588 | 6536 | 9913 | 3117 | -3 | 2 |
| 5/4/2014 | 9 | 72698 | 50314 | 7566 | 11154 | 3664 | 2 | 1 |
| 5/5/2014 | 9 | 73750 | 49894 | 8717 | 11009 | 4129 | 2 | 0 |
| 5/6/2014 | 9 | 76292 | 52056 | 8964 | 11055 | 4217 | 0 | 0 |
| 5/7/2014 | 9 | 69892 | 46073 | 8447 | 11022 | 4349 | 0 | 0 |
| 5/8/2014 | 8 | 65136 | 42079 | 8130 | 11283 | 3644 | -1 | 0 |
| 5/9/2014 | 7 | 62335 | 41341 | 7217 | 10894 | 2882 | -2 | 1 |
| 5/10/2014 | -3 | 48344 | 31615 | 5552 | 9281 | 1897 | -11 | 2 |
| 5/11/2014 | -3 | 51890 | 32449 | 6004 | 9926 | 3511 | -5 | 1 |
| 5/12/2014 | -2 | 53459 | 31484 | 7019 | 11161 | 3796 | 1 | 0 |
| 5/13/2014 | 13 | | 40686 | 8112 | 12035 | 3613 | 16 | 0 |
| 5/14/2014 | 5 | 55810 | 33636 | 7274 | 11171 | 3730 | -1 | 0 |

| | | | | | | | | Attachment DI | |
|---------------------|--------|----------------|----------------|--------------|----------------|--------------|---------|---------------|-------|
| 5/15/2014 | 0 | 52905 | 30866 | 6821 | 10758 | 4460 | -9 | Page 2 | 01 49 |
| 5/15/2014 | 3 | 50596 | 29915 | 6326 | 10738 | 3952 | -9 1 | 0 1 | |
| 5/10/2014 | 2 | 49422 | 31525 | 5381 | 9219 | 3297 | 1 | 2 | |
| 5/17/2014 5/18/2014 | 5 | | | | | | 3 | | |
| 5/18/2014 5/19/2014 | 5 5 | 54181 57091 | 34688 35292 | 5698 6655 | 10358 11477 | 3437 3667 | 2 | 1 0 | |
| | | | | | | | 1 | | |
| 5/20/2014 | 6 | 56971 | 34250 | 7048 | 11717 | 3957 | | 0 | |
| 5/21/2014 | 5 | 54047 | 31945 | 6943 | 11297 | 3861 | -1 | 0 | |
| 5/22/2014 | 9 | 57834 | 35522 | 7108 | 11293 | 3911 | 4 | 0 | |
| 5/23/2014 | 7 | 53506 | 33233 | 6609 | 10429 | 3236 | 0 | 1 | |
| 5/24/2014 | 8 | 50238 | 33383 | 5652 | 8462 | 2741 | 0 | 2 | |
| 5/25/2014 | 7 | 48013 | 31544 | 5285 | 8386 | 2798 | -1 | 1 | |
| 5/26/2014 | -6 | 48910 | 30558 | 5181 | 9575 | 3596 | -14 | 0 | |
| 5/27/2014 | 5 | 53864 | 32561 | 6510 | 11131 | 3662 | 5 | 0 | |
| 5/28/2014 | 16 | 77025 | 53048 | 8424 | 11530 | 4023 | 17 | 0 | |
| 5/29/2014 | 11 | 62511 | 39424 | 7712 | 11375 | 3999 | 1 | 0 | |
| 5/30/2014 | 8 | 53964 | 33478 | 6703 | 10321 | 3462 | -6 | 1 | |
| 5/31/2014 | 7 | 53998 | 35935 | 5734 | 9216 | 3114 | -3 | 2 | |
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| 10/4/2015 | 12 | 73307 | 48396 | 7459 | 13152 | 4301 | -2 | 1 |
| 10/5/2015 | 11 | 73662 | 47157 | 8415 | 13842 | 4248 | -1 | 0 |
| 10/6/2015 | 7 | 63917 | 38224 | 8103 | 12973 | 4617 | -5 | 0 |
| 10/7/2015 | 3 | 60116 | 34642 | 7833 | 12733 | 4908 | -6 | 0 |
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| 10/9/2015 | 4 | 57552 | 33095 | 7049 | 12594 | 4813 | -1 | 1 |
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| 10/11/2015 | 9 | 58134 | 35471 | 6064 | 12191 | 4409 | 1 | 1 |
| 10/12/2015 | 4 | 55753 | 31568 | 6814 | 12662 | 4709 | -7 | 0 |
| 10/13/2015 | 2 | 56307 | 30679 | 7457 | 13635 | 4536 | -5 | 0 |
| 10/14/2015 | 9 | 67207 | 40016 | 8326 | 14310 | 4556 | 6 | 0 |
| 10/15/2015 | 11 | 73445 | 45770 | 8296 | 14545 | 4835 | 6 | 0 |
| 10/16/2015 | 14 | 80216 | 51848 | 8340 | 14887 | 5141 | 4 | 1 |
| 10/17/2015 | 21 | 102610 | 74142 | 8393 | 14975 | 5100 | 9 | 2 |
| 10/18/2015 | 28 | 146507 | 112794 | 10840 | 17416 | 5458 | 11 | 1 |
| 10/19/2015 | 18 | 125512 | 91680 | 11422 | 16827 | 5583 | -7 | 0 |
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| 10/23/2015 | 21 | 109466 | 77285 | 9908 | 16715 | 5558 | 17 | 1 |
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| 11/5/2015 | 0 | 60138 | 35506 | 7140 | 13457 | 4035 | -9 | 0 |
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| 11/9/2015 | 17 | 106367 | 76605 | 9669 | 15960 | 4132 | 1 | 0 |
| 11/10/2015 | 14 | 108100 | 79099 | 9419 | 15499 | 4084 | -4 | 0 |
| 11/11/2015 | 17 | 115864 | 85447 | 9924 | 16140 | 4353 | 2 | 0 |
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| 11/13/2015 | 15 | 108736 | 78812 | 9294 | 16296 | 4333 | 1 | 1 |
| 11/14/2015 | 25 | 148822 | 117421 | 10299 | 16886 | 4216 | 12 | 2 |
| 11/15/2015 | 15 | 110222 | 81629 | 9104 | 15693 | 3796 | -5 | 1 |
| 11/16/2015 | 18 | 120829 | 88663 | 10549 | 17198 | 4418 | -2 | 0 |
| 11/17/2015 | 29 | 166546 | 129446 | 12680 | 18938 | 5482 | 13 | 0 |
| 11/18/2015 | 17 | 134373 | 101428 | 11193 | 16938 | 4814 | -7 | 0 |
| 11/19/2015 | 8 | 91921 | 63371 | 8979 | 15121 | 4451 | -15 | 0 |
| 11/20/2015 | 17 | 111142 | 80164 | 9862 | 16587 | 4530 | 5 | 1 |
| 11/21/2015 | 23 | 129878 | 100070 | 9810 | 15927 | 4071 | 11 | 2 |
| 11/22/2015 | 23 | 143681 | 110654 | 10764 | 17599 | 4663 | 3 | 1 |
| 11/23/2015 | 33 | 197378 | 156053 | 14312 | 20991 | 6022 | 10 | 0 |
| 11/24/2015 | 31 | 194520 | 154389 | 14002 | 20438 | 5692 | 3 | 0 |
| 11/25/2015 | 24 | 155365 | 122721 | 11125 | 17049 | 4471 | -8 | 0 |
| 11/26/2015 | 17 | 105388 | 79396 | 7936 | 14429 | 3627 | -11 | 0 |
| 11/27/2015 | 9 | 81573 | 57167 | 7752 | 13551 | 3102 | -12 | 1 |
| 11/28/2015 | 21 | 120872 | 93104 | 9159 | 15003 | 3606 | 8 | 2 |
| 11/29/2015 | 28 | 168549 | 133630 | 11953 | 18452 | 4514 | 13 | 1 |
| 11/30/2015 | 30 | 187992 | 149434 | 13832 | 19840 | 4886 | 6 | 0 |
| 12/1/2015 | 22 | 160226 | 124894 | 13201 | 18089 | 4042 | -7 | 0 |
| 12/2/2015 | 13 | 120032 | 88768 | 11343 | 16354 | 3566 | -13 | 0 |
| 12/3/2015 | 23 | 153268 | 117178 | 13226 | 18283 | 4581 | 6 | 0 |
| 12/4/2015 | 23 | 151499 | 117052 | 11776 | 17979 | 4693 | 5 | 1 |
| 12/5/2015 | 25 | 144283 | 113626 | 10733 | 16359 | 3566 | 2 | 2 |
| 12/6/2015 | 23 | 139916 | 108470 | 11083 | 16436 | 3928 | -1 | 1 |
| 12/7/2015 | 19 | 136172 | 103122 | 12071 | 16913 | 4066 | -5 | 0 |
| 12/8/2015 | 26 | 166669 | 130003 | 13682 | 18793 | 4191 | 5 | 0 |
| 12/9/2015 | 19 | 140828 | 107720 | 12155 | 17149 | 3804 | -4 | 0 |
| 12/10/2015 | 16 | 105806 | 76836 | 10673 | 14717 | 3581 | -7 | 0 |
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| 12/12/2015 | 12 | 86259 | 62104 | 7735 | 13358 | 3062 | -3 | 2 |
| 12/13/2015 | 15 | 103413 | 76094 | 9027 | 15031 | 3262 | 2 | 1 |
| 12/14/2015 | 8 | 89307 | 61325 | 9835 | 14754 | 3392 | -6 | 0 |
| 12/15/2015 | 15 | 108390 | 77798 | 10855 | 16178 | 3559 | 4 | 0 |
| 12/16/2015 | 22 | 141300 | 106873 | 12567 | 17845 | 4015 | 11 | 0 |
| 12/17/2015 | 13 | 109541 | 79408 | 10485 | 15721 | 3927 | -6 | 0 |
| 12/18/2015 | 25 | 149644 | 115495 | 12225 | 17590 | 4334 | 8 | 1 |
| 12/19/2015 | 31 | 188613 | 153329 | 12589 | 18337 | 4359 | 12 | 2 |
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|------------|----|--------|--------|-------|-------|------|-----|-------|
| 12/21/2015 | 12 | 121351 | 90428 | 10787 | 16218 | 3918 | -18 | 0 |
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| 12/28/2015 | 33 | 199465 | 160011 | 14395 | 19981 | 5078 | 16 | 0 |
| 12/29/2015 | 33 | 208172 | 167975 | 14769 | 20145 | 5283 | 8 | 0 |
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| 12/31/2015 | 25 | 156746 | 124193 | 11704 | 16830 | 4020 | -7 | 0 |
| 1/1/2016 | 30 | 185130 | 149995 | 12443 | 18316 | 4377 | 3 | 1 |
| 1/2/2016 | 32 | 192082 | 156439 | 12870 | 18362 | 4411 | 5 | 2 |
| 1/3/2016 | 31 | 188163 | 151937 | 13130 | 19182 | 3915 | 0 | 1 |
| 1/4/2016 | 47 | 285856 | 242479 | 19541 | 23835 | 1 | 16 | 0 |
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| 1/8/2016 | 26 | 180209 | 144607 | 13275 | 18133 | 4195 | -7 | 1 |
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| 1/14/2016 | 37 | 239128 | 196605 | 16927 | 20922 | 4674 | -1 | 0 |
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| 1/20/2016 | 38 | 250394 | 209563 | 18175 | 22655 | 1 | -5 | 0 |
| 1/21/2016 | 39 | 255356 | 214240 | 18493 | 22622 | 1 | -1 | 0 |
| 1/22/2016 | 36 | 240725 | 202507 | 16741 | 21476 | 1 | -3 | 1 |
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| 1/25/2016 | 34 | 215264 | 174045 | 15878 | 20248 | 5093 | -4 | 0 |
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| 1/31/2016 | 18 | 135037 | 104583 | 10446 | 16371 | 3638 | -10 | 1 |
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|-----------|----|--------|--------|-------|-------|------|-----|------|
| 2/4/2016 | 21 | 138610 | 105355 | 12052 | 17189 | 4014 | 3 | 0 |
| 2/5/2016 | 39 | 235729 | 193204 | 15816 | 21281 | 5428 | 23 | 1 |
| 2/6/2016 | 34 | 207532 | 169746 | 13546 | 19421 | 4819 | 4 | 2 |
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| 2/25/2016 | 22 | 150139 | 115964 | 12614 | 17465 | 4095 | 3 | 0 |
| 2/26/2016 | 37 | 226597 | 185222 | 15449 | 20633 | 5293 | 21 | 1 |
| 2/27/2016 | 29 | 190970 | 155893 | 12485 | 18106 | 4487 | -1 | 2 |
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| 3/2/2016 | 35 | 213482 | 172039 | 15676 | 20754 | 5013 | 16 | 0 |
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| 3/20/2016 | 31 | 180656 | 145268 | 12759 | 18140 | 4489 | 5 | 1 |
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| 5/5/2016 | 18 | 132705 | 100149 | 11606 | 16419 | 4531 | 1 | 0 |
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| 5/10/2016 | 6 | 70155 | 44462 | 8589 | 13702 | 3402 | -4 | 0 |
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| 6/18/2016 | -4 | 43905 | 25263 | 4935 | 10870 | 2837 | 0 | 2 |
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|-----------|-----|-------|-------|------|-------|------|----|-------|
| 6/19/2016 | -1 | 46446 | 26616 | 5492 | 11797 | 2541 | 2 | 1 |
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| 11/7/2016 | 24 | 146053 | 111224 | 12552 | 18251 | 4026 | 6 | 0 |
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| 11/21/2016 | 31 | 209924 | 168228 | 15512 | 20957 | 5228 | 9 | 0 |
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|------------|----|--------|--------|-------|-------|------|-----|---------|
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|-----------|----|--------|--------|-------|-------|------|-----|--------|
| 1/30/2017 | 37 | 245888 | 203827 | 16884 | 22408 | 2770 | 6 | 0 |
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| 2/10/2017 | 42 | 258647 | 219425 | 17098 | 22124 | 0 | 8 | 1 |
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| 3/3/2017 | 39 | 239890 | 197761 | 15999 | 21482 | 4648 | 19 | 1 |
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|-----------|----|--------|--------|-------|-------|------|-----|--------|
| 3/16/2017 | 35 | 233156 | 195343 | 16237 | 21576 | 0 | -3 | 0 |
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| 4/7/2017 | 20 | 141657 | 109404 | 11335 | 16935 | 3983 | 1 | 1 |
| 4/8/2017 | 20 | 134869 | 105524 | 9832 | 15753 | 3760 | -1 | 2 |
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| 4/12/2017 | 7 | 75682 | 49361 | 9000 | 14131 | 3191 | 2 | 0 |
| 4/13/2017 | 14 | 94544 | 66547 | 9780 | 14634 | 3583 | -7 | 0 |
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| 4/29/2017 | -5 | 52234 | 31838 | 5540 | 10867 | 3989 | 8 | 2 |
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| 4/30/2017 | 14 | 74010 | 49816 | 7679 | 12696 | 3819 | -17 | 1 |
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| 5/6/2017 | 8 | 66003 | 43230 | 6608 | 11698 | 4467 | 2 | 2 |
| 5/7/2017 | 13 | 80746 | 55119 | 7910 | 13401 | 4317 | -5 | 1 |
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| 5/13/2017 | 15 | 91314 | 67486 | 7663 | 11642 | 4522 | -1 | 2 |
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| 5/30/2017 | 9 | 63173 | 39206 | 7589 | 12773 | 3606 | 2 | 0 |
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| 6/7/2017 | 6 | 61082 | 37255 | 7972 | 12420 | 3435 | 6 | 0 |
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|------------------------|----------------------|----------------|----------------|--------------|----------------|--------------|----------------|---------|-------|
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| 7/20/2017 | 1 | 46272 | 25516 | F211 | 10672 | 4872 | 0 | າ |
|------------------------|----------------------|----------------|----------------|--------------|----------------|--------------|----------|--------|
| 7/29/2017 7/30/2017 | 1 -4 | 46272 47029 | 25516 25929 | 5211 5488 | 10672 11672 | 4872 3940 | -8 1 | 2 1 |
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| 9/11/2017 | -2 | 48637 | 26933 | 7411 | 10501 | 3791 | 3 | 0 |

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| | | | | | | | | 1 agc 2 |
|------------|-----|-------|-------|------|-------|------|-----|---------|
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| 10/27/2017 | 13 | 79677 | 52634 | 8710 | 13251 | 5082 | -5 | 1 |
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| 11/15/2017 | 22 | 156254 | 120648 | 13169 | 17802 | 4636 | 4 | 0 |
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| 11/19/2017 | 23 | 153749 | 120022 | 11755 | 17501 | 4470 | -3 | 1 |
| 11/20/2017 | 23 | 173628 | 136587 | 13521 | 18790 | 4729 | -6 | 0 |
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| 12/10/2017 | 30 | 199537 | 161454 | 13775 | 19669 | 4639 | 1 | 1 |
| | | | | | | | | |

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| | | | | | | | | Page 3 |
|------------|----|--------|--------|-------|-------|------|-----|--------|
| 12/11/2017 | 29 | 197268 | 157454 | 15081 | 20022 | 4711 | 3 | 0 |
| 12/12/2017 | 30 | 202836 | 163590 | 15215 | 20113 | 3917 | -1 | 0 |
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| 1/7/2018 | 48 | 334867 | 290266 | 19425 | 25175 | 0 | 10 | 1 |
| 1/8/2018 | 32 | 249798 | 207308 | 17290 | 22542 | 2657 | 22 | 0 |
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| 1/18/2018 | 39 | 262546 | 218601 | 17207 | 22917 | 3820 | -6 | 0 |
| 1/19/2018 | 31 | 230232 | 189594 | 14866 | 20948 | 4823 | 6 | 1 |
| 1/20/2018 | 25 | 181384 | 147469 | 11618 | 18270 | 4028 | 10 | 2 |
| 1/21/2018 | 26 | 178044 | 143219 | 12264 | 18486 | 4074 | 2 | 1 |
| 1/22/2018 | 26 | 193721 | 155617 | 14053 | 19868 | 4183 | -1 | 0 |
| 1/23/2018 | 19 | 162586 | 128291 | 12624 | 17784 | 3886 | 7 | 0 |
| 1/24/2018 | 36 | 240008 | 197647 | 16341 | 21567 | 4454 | -14 | 0 |
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| | | | | | | | | 1 450 3 |
|-----------|----|--------|--------|-------|-------|------|-----|---------|
| 1/25/2018 | 40 | 279187 | 234951 | 17665 | 23494 | 3078 | -13 | 0 |
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| 1/27/2018 | 15 | 147056 | 116370 | 10385 | 16558 | 3743 | 23 | 2 |
| 1/28/2018 | 22 | 166753 | 132862 | 11825 | 18036 | 4031 | 3 | 1 |
| 1/29/2018 | 35 | 243059 | 199293 | 16228 | 22300 | 5238 | -17 | 0 |
| 1/30/2018 | 40 | 276311 | 230479 | 17984 | 23581 | 4266 | -12 | 0 |
| 1/31/2018 | 35 | 242100 | 200783 | 16121 | 22418 | 2779 | 3 | 0 |
| 2/1/2018 | 27 | 192727 | 154380 | 14279 | 20343 | 3725 | 11 | 0 |
| 2/2/2018 | 48 | 304013 | 261295 | 18470 | 24248 | 0 | -17 | 1 |
| 2/3/2018 | 37 | 259087 | 217893 | 15356 | 21495 | 4343 | 1 | 2 |
| 2/4/2018 | 22 | 177988 | 143715 | 12239 | 18510 | 3524 | 21 | 1 |
| 2/5/2018 | 37 | 241170 | 197252 | 16431 | 22237 | 5250 | -8 | 0 |
| 2/6/2018 | 36 | 257640 | 212959 | 17085 | 22421 | 5174 | -7 | 0 |
| 2/7/2018 | 32 | 240658 | 197539 | 16250 | 21957 | 4913 | 5 | 0 |
| 2/8/2018 | 39 | 254562 | 209847 | 17134 | 23055 | 4526 | -5 | 0 |
| 2/9/2018 | 32 | 226977 | 186551 | 15105 | 20612 | 4710 | 4 | 1 |
| 2/10/2018 | 16 | 136813 | 106970 | 10134 | 16242 | 3468 | 20 | 2 |
| 2/11/2018 | 15 | 139950 | 109194 | 10558 | 16684 | 3514 | 9 | 1 |
| 2/12/2018 | 31 | 213912 | 173532 | 14730 | 20892 | 4759 | -16 | 0 |
| 2/13/2018 | 34 | 224569 | 182769 | 15599 | 21563 | 4638 | -11 | 0 |
| 2/14/2018 | 23 | 173214 | 136834 | 13412 | 19097 | 3872 | 10 | 0 |
| 2/15/2018 | 18 | 146326 | 113342 | 11831 | 17426 | 3727 | 11 | 0 |
| 2/16/2018 | 24 | 174093 | 138562 | 12790 | 18544 | 4197 | -4 | 1 |
| 2/17/2018 | 31 | 193433 | 157021 | 12657 | 19185 | 4570 | -10 | 2 |
| 2/18/2018 | 30 | 197739 | 160575 | 12930 | 19708 | 4527 | -3 | 1 |
| 2/19/2018 | 15 | 142067 | 109439 | 11533 | 17523 | 3572 | 16 | 0 |
| 2/20/2018 | 8 | 95556 | 67348 | 9692 | 15390 | 3126 | 15 | 0 |
| 2/21/2018 | 8 | 93840 | 65613 | 9634 | 15451 | 3142 | 4 | 0 |
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| 2/23/2018 | 24 | 175385 | 141119 | 12647 | 18715 | 2904 | -6 | 1 |
| 2/24/2018 | 19 | 136981 | 107789 | 10277 | 16219 | 2696 | 8 | 2 |
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| 2/26/2018 | 23 | 173307 | 137994 | 13128 | 19005 | 3181 | -2 | 0 |
| 2/27/2018 | 19 | 148200 | 116040 | 12252 | 17888 | 2020 | 5 | 0 |
| 2/28/2018 | 16 | 122644 | 92925 | 11153 | 16710 | 1857 | 5 | 0 |
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| 3/3/2018 | 24 | 190899 | 156745 | 11959 | 17620 | 4574 | -3 | 2 |
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| 3/6/2018 | 29 | 196056 | 157143 | 14165 | 19970 | 4778 | -2 | 0 |
| 3/7/2018 | 30 | 220731 | 180194 | 14725 | 20855 | 4957 | -2 | 0 |
| 3/8/2018 | 30 | 211494 | 171185 | 14828 | 20528 | 4953 | -1 | 0 |
| 3/9/2018 | 30 | 206938 | 168410 | 13982 | 19802 | 4745 | 0 | 1 |
| 3/10/2018 | 29 | 194194 | 159130 | 12589 | 18002 | 4473 | 1 | 2 |
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|-----------|----|--------|--------|-------|-------|------|-----|---------|
| 3/11/2018 | 27 | 180975 | 145594 | 12563 | 18397 | 4421 | 3 | 1 |
| 3/12/2018 | 27 | 193244 | 156374 | 13287 | 19505 | 4078 | 1 | 0 |
| 3/13/2018 | 35 | 239122 | 198120 | 14318 | 21624 | 5059 | -8 | 0 |
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| 3/19/2018 | 33 | 222308 | 182101 | 15423 | 20856 | 3928 | 2 | 0 |
| 3/20/2018 | 28 | 202986 | 164394 | 14540 | 19899 | 4153 | 6 | 0 |
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| 3/22/2018 | 26 | 192486 | 154206 | 13873 | 19912 | 4495 | 3 | 0 |
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| 3/24/2018 | 25 | 163741 | 131116 | 11125 | 17488 | 4013 | -1 | 2 |
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| 4/2/2018 | 30 | 194445 | 156252 | 13793 | 19966 | 4434 | -11 | 0 |
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| 4/16/2018 | 16 | 141590 | 108887 | 11415 | 17288 | 4001 | 8 | 0 |
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| 4/18/2018 | 19 | 140055 | 106081 | 11814 | 17579 | 4581 | 1 | 0 |
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| 4/21/2018 | 14 | 110681 | 82573 | 8547 | 15149 | 4413 | 8 | 2 |
| 4/22/2018 | 15 | 108271 | 79220 | 8969 | 15866 | 4216 | 2 | 1 |
| 4/23/2018 | 15 | 100265 | 69677 | 9821 | 16485 | 4282 | -1 | 0 |
| 4/24/2018 | 11 | 87052 | 58924 | 8954 | 15277 | 3897 | 4 | 0 |
| | | | | | | | | |

| 4/25/2018 | 11 | 92970 | 64972 | 9097 | 152/2 | 3630 | 2 | U |
|-----------|-----|--------|-------|-------|-------|------|-----|---|
| 4/26/2018 | 6 | 73730 | 47206 | 8367 | 13970 | 4188 | 5 | 0 |
| 4/27/2018 | 12 | 84973 | 58855 | 8125 | 13790 | 4203 | -4 | 1 |
| 4/28/2018 | 9 | 69443 | 46492 | 6907 | 12208 | 3837 | 0 | 2 |
| 4/29/2018 | 16 | 101601 | 74363 | 8592 | 14458 | 4187 | -6 | 1 |
| 4/30/2018 | 17 | 117459 | 86787 | 10069 | 15774 | 4830 | -5 | 0 |
| 5/1/2018 | 3 | 71233 | 45269 | 8014 | 13585 | 4365 | 14 | 0 |
| 5/2/2018 | -9 | 57184 | 33124 | 7146 | 13023 | 3892 | 19 | 0 |
| 5/3/2018 | -9 | 54815 | 31107 | 6887 | 12770 | 4051 | 6 | 0 |
| 5/4/2018 | -5 | 52080 | 30139 | 6353 | 11901 | 3688 | -4 | 1 |
| 5/5/2018 | 0 | 49430 | 30427 | 5498 | 10926 | 2579 | -7 | 2 |
| 5/6/2018 | 9 | 62043 | 39692 | 6606 | 12288 | 3457 | -12 | 1 |
| 5/7/2018 | 6 | 62720 | 37669 | 7679 | 13437 | 3936 | -2 | 0 |
| 5/8/2018 | 8 | 62231 | 37231 | 7663 | 13446 | 3891 | -1 | 0 |
| 5/9/2018 | 5 | 59003 | 34476 | 6842 | 13305 | 4380 | 2 | 0 |
| 5/10/2018 | 4 | 58810 | 34802 | 7063 | 12729 | 4217 | 3 | 0 |
| 5/11/2018 | 7 | 58401 | 34899 | 6714 | 12612 | 4176 | -3 | 1 |
| 5/12/2018 | 13 | 74117 | 50730 | 6762 | 12245 | 4380 | -8 | 2 |
| 5/13/2018 | 11 | 71435 | 47904 | 6891 | 12563 | 4077 | -1 | 1 |
| 5/14/2018 | 5 | 60036 | 36072 | 7176 | 12936 | 3852 | 7 | 0 |
| 5/15/2018 | -1 | 55081 | 31117 | 7012 | 12716 | 4237 | 9 | 0 |
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| 5/19/2018 | 6 | 64991 | 43901 | 5905 | 11573 | 3612 | 4 | 2 |
| 5/20/2018 | -3 | 54036 | 32119 | 5673 | 12132 | 4112 | 13 | 1 |
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| 5/25/2018 | -11 | 48183 | 27093 | 5754 | 11620 | 3716 | 12 | 1 |
| 5/26/2018 | -9 | 44283 | 25811 | 4677 | 10251 | 3544 | 6 | 2 |
| 5/27/2018 | 13 | 56527 | 36079 | 5856 | 10725 | 3868 | -23 | 1 |
| 5/28/2018 | 3 | 53524 | 32435 | 5932 | 11263 | 3895 | -1 | 0 |
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| 6/2/2018 | -3 | 44385 | 26153 | 5126 | 10104 | 3002 | -1 | 2 |
| 6/3/2018 | 10 | 53457 | 32780 | 6003 | 11697 | 2978 | -14 | 1 |
| 6/4/2018 | 11 | 65027 | 41363 | 7419 | 13096 | 3149 | -8 | 0 |
| 6/5/2018 | 5 | 56849 | 33186 | 7005 | 12979 | 3679 | 6 | 0 |
| 6/6/2018 | 7 | 57033 | 33308 | 7211 | 12700 | 3814 | 1 | 0 |
| 6/7/2018 | 5 | 54671 | 31224 | 7074 | 12480 | 3893 | 1 | 0 |
| 6/8/2018 | -5 | 48371 | 26704 | 6143 | 12198 | 3326 | 11 | 1 |
| | | | | | | | | |

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|------------------------|---------|----------------|----------------|--------------|----------------|--------------|-----------------|-----------|------|
| 6/9/2018 | -5 | 44512 | 25523 | 4881 | 10550 | 3558 | 5 | 2 | 1 49 |
| 6/10/2018 | -3 3 | 49541 | 29050 | 5581 | 11465 | 3444 | -8 | 1 | |
| 6/11/2018 | 5 6 | 53192 | 30414 | 6833 | 12367 | 3578 | -6 -7 | 0 | |
| | | | | | | | - <i>7</i> 5 | | |
| 6/12/2018 6/13/2018 | 0 -5 | 51118 50199 | 28676 27578 | 6548 6541 | 11833 12291 | 4062 3790 | 5 8 | 0 0 | |
| | | | | | | | 2 | | |
| 6/14/2018 | -4 | 49773 | 27254 | 6335 | 12335 | 3849 | | 0 | |
| 6/15/2018 | 3 | 50159 | 28039 | 6163 | 12157 | 3800 | -8 | 1 | |
| 6/16/2018 | -8 | 45355 | 25371 | 4961 | 10794 | 4230 | 8 | 2 | |
| 6/17/2018 | -8 | 47030 | 25838 | 5262 | 11765 | 4164 | 6 | 1 | |
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| 6/19/2018 | -9 | 47952 | 25503 | 6294 | 11753 | 4402 | -1 | 0 | |
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| 6/22/2018 | -1 | 46796 | 25052 | 5585 | 12012 | 4146 | -5 - | 1 | |
| 6/23/2018 | 3 | 46150 | 26266 | 4780 | 11055 | 4050 | -5 | 2 | |
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| 6/25/2018 | -2 | 49914 | 26428 | 6132 | 12761 | 4593 | 1 | 0 | |
| 6/26/2018 | -3 | 49848 | 26365 | 6222 | 12742 | 4520 | -1 | 0 | |
| 6/27/2018 | -15 | 48269 | 25557 | 6149 | 12611 | 3953 | 13 | 0 | |
| 6/28/2018 | -6 | 49940 | 26199 | 6097 | 12688 | 4956 | -3 | 0 | |
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| 6/30/2018 | -15 | 43254 | 23161 | 4455 | 10662 | 4976 | 9 | 2 | |
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| 7/2/2018 | -12 | 49382 | 27713 | 5113 | 11347 | 5209 | -4 | 0 | |
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| 7/5/2018 | -17 | 44282 | 22617 | 4850 | 11692 | 5122 | 1 | 0 | |
| 7/6/2018 | -7 | 43695 | 23708 | 4823 | 10889 | 4275 | -10 | 1 | |
| 7/7/2018 | -2 | 41638 | 23392 | 4398 | 10275 | 3573 | -10 | 2 | |
| 7/8/2018 | -5 | 44462 | 24192 | 4893 | 11246 | 4131 | 1 | 1 | |
| 7/9/2018 | -10 | 46566 | 23913 | 5960 | 12652 | 4042 | 7 | 0 | |
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| 7/14/2018 | -7 | 41506 | 22506 | 4536 | 10765 | 3699 | 1 | 2 | |
| 7/15/2018 | -12 | 44032 | 23489 | 4774 | 11617 | 4151 | 6 | 1 | |
| 7/16/2018 | -14 | 47043 | 24096 | 5689 | 12681 | 4577 | 5 | 0 | |
| 7/17/2018 | -11 | 47777 | 23775 | 6082 | 12460 | 5460 | -2 | 0 | |
| 7/18/2018 | -9 | 48169 | 24953 | 6229 | 11550 | 5438 | -4 | 0 | |
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| 7/22/2018 | -9 | 44394 | 23839 | 5054 | 11626 | 3876 | 3 | 1 | |
| 7/23/2018 | -11 | 47655 | 24719 | 5843 | 12943 | 4150 | 4 | 0 | |
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| 7/25/2018 -11 47628 23712 5989 13082 4846 -27/26/2018 -11 48249 24811 5684 12931 4823 -27/27/2018 -14 45224 23848 5040 12162 4174 33/27/2018 -11 40989 22270 4357 10486 3876 -27/29/2018 -10 43693 23807 4792 11434 3659 -3 -3 7/30/2018 -9 46953 24420 5832 12763 3938 -3 | 1 0 3 1 1 2 2 3 1 1 2 0 0 2 0 1 1 9 2 3 1 1 7 0 1 0 0 1 0 0 2 0 0 2 1 1 6 2 2 |
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| 7/26/2018 -11 48249 24811 5684 12931 4823 -7/27/2018 -14 45224 23848 5040 12162 4174 32 32 37/28/2018 -11 40989 22270 4357 10486 3876 -2 3876 -2 4174 36 3876 -2 7/29/2018 -10 43693 23807 4792 11434 3659 -3 7/30/2018 -9 46953 24420 5832 12763 3938 -2 7/31/2018 -11 46668 23970 5846 12612 4240 3 8/2/2018 -14 47577 24246 5891 12368 5072 4/2 8/2/2018 -18 46717 23656 5842 12090 5129 6/2 8/2/2018 -16 43926 22436 5546 11698 4246 6/2 8/4/2018 -8 41626 22444 4445 10742 3995 -9 -9 8/2 1435 4058 3/2< | 1 0 3 1 1 2 2 3 1 1 2 0 0 2 0 1 1 9 2 3 1 1 7 0 1 0 0 1 0 0 2 0 0 2 1 1 6 2 2 |
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| 7/28/2018 -11 40989 22270 4357 10486 3876 -27/29/2018 -10 43693 23807 4792 11434 3659 -387/30/2018 -9 46953 24420 5832 12763 3938 -28/2018 -11 46668 23970 5846 12612 4240 -28/2018 -14 47577 24246 5891 12368 5072 -28/2018 -18 46717 23656 5842 12090 5129 68/2018 -16 43926 22436 5546 11698 4246 68/3/2018 -16 43926 22436 5546 11698 4246 68/2018 -15 43367 22982 4892 11435 4058 38/5/2018 -16 49176 26256 5834 12224 4862 -28/7/2018 -16 49176 26256 5834 12224 4862 -28/7/2018 -16 49176 26256 5834 12224 4862 -28/7/2018 -16 46553 23470 < | 2 2 3 1 2 0 0 2 0 0 1 0 0 1 0 0 1 0 0 2 0 2 1 6 5 2 2 |
| 7/29/2018 -10 43693 23807 4792 11434 3659 -27/30/2018 -9 46953 24420 5832 12763 3938 -27/31/2018 -11 46668 23970 5846 12612 4240 4246 4240 4240 4240 4240 4240 4240 4240 4240 < | 1 |
| 7/30/2018 -9 46953 24420 5832 12763 3938 -2 7/31/2018 -11 46668 23970 5846 12612 4240 2 8/1/2018 -14 47577 24246 5891 12368 5072 4 8/2/2018 -18 46717 23656 5842 12090 5129 6 8/3/2018 -16 43926 22436 5546 11698 4246 6 8/4/2018 -8 41626 22444 4445 10742 3995 -5 8/5/2018 -15 43367 22982 4892 11435 4058 3 8/6/2018 -18 46551 23438 6000 12191 4922 3 8/7/2018 -16 49176 26256 5834 12224 4862 -2 8/8/2018 -16 46553 23470 5722 12548 4813 -2 8/10/2018 -13 | 2 0 2 0 4 0 6 0 0 1 9 2 3 1 7 0 1 0 1 0 2 0 2 1 6 2 |
| 7/31/2018 -11 46668 23970 5846 12612 4240 248 8/1/2018 -14 47577 24246 5891 12368 5072 48 8/2/2018 -18 46717 23656 5842 12090 5129 68 8/3/2018 -16 43926 22436 5546 11698 4246 60 8/4/2018 -8 41626 22444 4445 10742 3995 -6 8/5/2018 -15 43367 22982 4892 11435 4058 3 8/6/2018 -18 46551 23438 6000 12191 4922 3 8/7/2018 -16 49176 26256 5834 12224 4862 -2 8/8/2018 -16 46553 23470 5722 12548 4813 -2 8/10/2018 -14 46686 24617 5532 12242 4295 -2 8/11/2018 -3 43085 22248 5108 11796 3933 -2 8/ | 2 0 4 0 6 0 0 1 9 2 3 1 7 0 1 0 1 0 2 0 2 1 |
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| 8/10/2018 -13 43085 22248 5108 11796 3933 -23 8/11/2018 -8 40769 21787 4289 10546 4147 -6 8/12/2018 -7 41502 22283 4612 10956 3652 -4 8/13/2018 -8 45096 23864 5494 11889 3849 <t< td=""><td>2 1 6 2</td></t<> | 2 1 6 2 |
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| 8/12/2018 -7 41502 22283 4612 10956 3652 -4 8/13/2018 -8 45096 23864 5494 11889 3849 3 8/14/2018 -11 47554 23879 6176 12484 5016 4 8/15/2018 -15 48804 24649 5936 12519 5700 6 8/16/2018 -16 46947 23320 5936 12256 5435 3 8/17/2018 -14 44519 22609 5294 11900 4716 -2 8/18/2018 -7 40012 21349 4486 10039 4137 -8 8/19/2018 -4 44786 23898 5087 11501 4300 -7 8/20/2018 -4 47563 24739 6228 12474 4122 -2 8/21/2018 -5 46806 24028 6215 12253 4310 3 8/22/2018 -9 47983 24443 6232 12404 4904 5 | |
| 8/13/2018 -8 45096 23864 5494 11889 3849 3849 8/14/2018 -11 47554 23879 6176 12484 5016 48804 8/15/2018 -15 48804 24649 5936 12519 5700 68 8/16/2018 -16 46947 23320 5936 12256 5435 33 8/17/2018 -14 44519 22609 5294 11900 4716 -2 8/18/2018 -7 40012 21349 4486 10039 4137 -8 8/19/2018 -4 44786 23898 5087 11501 4300 -7 8/20/2018 -4 47563 24739 6228 12474 4122 -2 8/21/2018 -5 46806 24028 6215 12253 4310 3 8/22/2018 -9 47983 24443 6232 12404 4904 3 | 1 1 |
| 8/14/2018 -11 47554 23879 6176 12484 5016 4815/2018 5936 12519 5700 6816 5936 12519 5700 6936 12519 5700 6936 12519 5700 6936 12519 5700 6936 12519 5700 6936 12519 5700 6936 5936 12256 5435 5336 | 4 1 |
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| 8/16/2018 -16 46947 23320 5936 12256 5435 335 8/17/2018 -14 44519 22609 5294 11900 4716 -235 8/18/2018 -7 40012 21349 4486 10039 4137 -835 8/19/2018 -4 44786 23898 5087 11501 4300 -235 8/20/2018 -4 47563 24739 6228 12474 4122 -235 8/21/2018 -5 46806 24028 6215 12253 4310 335 8/22/2018 -9 47983 24443 6232 12404 4904 335 | 4 0 |
| 8/17/2018 -14 44519 22609 5294 11900 4716 -2 8/18/2018 -7 40012 21349 4486 10039 4137 -8 8/19/2018 -4 44786 23898 5087 11501 4300 -7 8/20/2018 -4 47563 24739 6228 12474 4122 -7 8/21/2018 -5 46806 24028 6215 12253 4310 3 8/22/2018 -9 47983 24443 6232 12404 4904 5 | 6 0 |
| 8/18/2018 -7 40012 21349 4486 10039 4137 -8 8/19/2018 -4 44786 23898 5087 11501 4300 -7 8/20/2018 -4 47563 24739 6228 12474 4122 -2 8/21/2018 -5 46806 24028 6215 12253 4310 3 8/22/2018 -9 47983 24443 6232 12404 4904 3 | 3 0 |
| 8/19/2018 -4 44786 23898 5087 11501 4300 -7 8/20/2018 -4 47563 24739 6228 12474 4122 -2 8/21/2018 -5 46806 24028 6215 12253 4310 3 8/22/2018 -9 47983 24443 6232 12404 4904 9 | 2 1 |
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| 8/27/2018 -15 46427 23607 6011 12333 4477 | 9 0 |
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| 8/29/2018 -19 54187 30591 5838 11960 5799 | 2 0 |
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| 9/3/2018 -17 44717 23382 4855 12170 4311 10 | 0 0 |
| 9/4/2018 -13 52564 29332 5992 12667 4574 | 0 0 |
| 9/5/2018 -12 53282 29229 6075 12537 5441 -3 | 3 0 |
| 9/6/2018 -12 52440 28639 6220 12362 5219 -2 | 1 0 |

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|------------|-----|--------|--------|-------|-------|------|-----|--------|
| 9/7/2018 | -2 | 45167 | 23250 | 5954 | 11589 | 4375 | -10 | 1 |
| 9/8/2018 | 3 | 43809 | 24862 | 5036 | 10472 | 3439 | -10 | 2 |
| 9/9/2018 | 5 | 48787 | 28289 | 5659 | 11513 | 3326 | -5 | 1 |
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| 9/18/2018 | -4 | 46395 | 24813 | 6233 | 10452 | 4897 | -4 | 0 |
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| 9/20/2018 | 2 | 49861 | 27593 | 6857 | 11148 | 4263 | -3 | 0 |
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| 9/22/2018 | 4 | 44952 | 26163 | 5144 | 9745 | 3900 | -5 | 2 |
| 9/23/2018 | 8 | 52057 | 31888 | 5838 | 10358 | 3974 | -8 | 1 |
| 9/24/2018 | 11 | 61497 | 38626 | 7446 | 11335 | 4090 | -5 | 0 |
| 9/25/2018 | -3 | 52786 | 31134 | 6329 | 11492 | 3831 | 13 | 0 |
| 9/26/2018 | -6 | 49536 | 26598 | 6215 | 12016 | 4707 | 10 | 0 |
| 9/27/2018 | 3 | 52124 | 28593 | 6831 | 12350 | 4350 | -8 | 0 |
| 9/28/2018 | 9 | 59595 | 36446 | 6851 | 12381 | 3917 | -11 | 1 |
| 9/29/2018 | 4 | 52859 | 32870 | 5469 | 10912 | 3609 | 2 | 2 |
| 9/30/2018 | 4 | 52412 | 30947 | 5818 | 11836 | 3812 | 3 | 1 |
| 10/1/2018 | 5 | 54199 | 30897 | 7070 | 12808 | 3425 | -1 | 0 |
| 10/2/2018 | 1 | 53566 | 29687 | 7263 | 12695 | 3921 | 4 | 0 |
| 10/3/2018 | 3 | 55235 | 29990 | 7404 | 12645 | 5196 | 0 | 0 |
| 10/4/2018 | -1 | 53576 | 29060 | 7259 | 12481 | 4776 | 3 | 0 |
| 10/5/2018 | 11 | 59371 | 35410 | 7413 | 12351 | 4197 | -10 | 1 |
| 10/6/2018 | 2 | 48472 | 28717 | 5511 | 10620 | 3625 | 3 | 2 |
| 10/7/2018 | 0 | 46318 | 26202 | 5475 | 11182 | 3460 | 7 | 1 |
| 10/8/2018 | 5 | 55532 | 32881 | 6837 | 12206 | 3608 | -4 | 0 |
| 10/9/2018 | -6 | 55865 | 31839 | 6932 | 12457 | 4637 | 9 | 0 |
| 10/10/2018 | -8 | 54675 | 30487 | 6882 | 12281 | 5024 | 8 | 0 |
| 10/11/2018 | -2 | 50161 | 26626 | 7049 | 12342 | 4144 | -5 | 0 |
| 10/12/2018 | 12 | 61165 | 36878 | 7486 | 12742 | 4059 | -17 | 1 |
| 10/13/2018 | 19 | 82639 | 59351 | 7440 | 11784 | 4064 | -14 | 2 |
| 10/14/2018 | 16 | 88557 | 63825 | 7750 | 12808 | 4174 | -1 | 1 |
| 10/15/2018 | 6 | 79781 | 53171 | 8573 | 14010 | 4028 | 12 | 0 |
| 10/16/2018 | 17 | 98939 | 68262 | 10136 | 14873 | 5668 | -6 | 0 |
| 10/17/2018 | 16 | 109615 | 77452 | 10527 | 15605 | 6031 | -5 | 0 |
| 10/18/2018 | 25 | 145247 | 109976 | 11951 | 16977 | 6343 | -9 | 0 |
| 10/19/2018 | 9 | 88697 | 61166 | 8504 | 14184 | 4843 | 12 | 1 |
| 10/20/2018 | 12 | 80854 | 55382 | 7667 | 13524 | 4281 | 5 | 2 |
| 10/21/2018 | 27 | 148178 | 114674 | 10859 | 17063 | 5583 | -17 | 1 |
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|------------|----|--------|--------|-------|-------|------|-----|-------|
| 10/22/2018 | 21 | 135067 | 101442 | 10908 | 17218 | 5500 | -2 | 0 |
| 10/23/2018 | 16 | 114196 | 82106 | 10006 | 16195 | 5889 | 8 | 0 |
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| 10/27/2018 | 16 | 116337 | 87626 | 8567 | 15301 | 4844 | 9 | 2 |
| 10/28/2018 | 14 | 102398 | 73580 | 8548 | 15755 | 4515 | 6 | 1 |
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| 11/3/2018 | 15 | 102150 | 74656 | 8439 | 14168 | 4887 | -13 | 2 |
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| 11/5/2018 | 15 | 116081 | 85777 | 10163 | 15464 | 4677 | 3 | 0 |
| 11/6/2018 | 9 | 90840 | 62875 | 9024 | 14061 | 4880 | 9 | 0 |
| 11/7/2018 | 11 | 94678 | 65450 | 9292 | 14121 | 5814 | 1 | 0 |
| 11/8/2018 | 22 | 137031 | 103325 | 11176 | 16101 | 6429 | -12 | 0 |
| 11/9/2018 | 16 | 122633 | 91695 | 10275 | 15159 | 5505 | 1 | 1 |
| 11/10/2018 | 27 | 163904 | 132066 | 11303 | 15869 | 4665 | -8 | 2 |
| 11/11/2018 | 29 | 172626 | 139875 | 11636 | 16651 | 4464 | -8 | 1 |
| 11/12/2018 | 17 | 134386 | 103753 | 10609 | 15768 | 4256 | 11 | 0 |
| 11/13/2018 | 22 | 154029 | 119266 | 12063 | 17125 | 5575 | 1 | 0 |
| 11/14/2018 | 36 | 230591 | 187967 | 15462 | 20202 | 6961 | -17 | 0 |
| 11/15/2018 | 32 | 222958 | 183110 | 14751 | 19731 | 5367 | -3 | 0 |
| 11/16/2018 | 28 | 189799 | 153397 | 13262 | 18277 | 4863 | 6 | 1 |
| 11/17/2018 | 25 | 166108 | 134269 | 11224 | 16276 | 4339 | 5 | 2 |
| 11/18/2018 | 25 | 169533 | 135852 | 11501 | 17541 | 4638 | 2 | 1 |
| 11/19/2018 | 24 | 163732 | 127936 | 12404 | 18624 | 4767 | 1 | 0 |
| 11/20/2018 | 31 | 202440 | 162795 | 14099 | 20488 | 5057 | -7 | 0 |
| 11/21/2018 | 36 | 231929 | 196308 | 14622 | 20526 | 473 | -9 | 0 |
| 11/22/2018 | 48 | 290302 | 251524 | 16135 | 22267 | 376 | -15 | 0 |
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| 11/25/2018 | 23 | 153560 | 120042 | 10996 | 18007 | 4515 | 7 | 1 |
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| 12/5/2018 | 35 | 225163 | 183133 | 15406 | 21007 | 5617 | -8 | 0 |
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|------------|----|--------|--------|-------|-------|------|-----|---------|
| 12/6/2018 | 30 | 206061 | 166343 | 14450 | 20103 | 5165 | 5 | 0 |
| 12/7/2018 | 38 | 239895 | 197807 | 15252 | 21247 | 5589 | -6 | 1 |
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| 12/14/2018 | 20 | 151535 | 118914 | 11385 | 17472 | 3765 | 16 | 1 |
| 12/15/2018 | 21 | 144404 | 114476 | 10031 | 16248 | 3649 | 6 | 2 |
| 12/16/2018 | 26 | 181093 | 146137 | 12291 | 18375 | 4291 | -6 | 1 |
| 12/17/2018 | 30 | 214919 | 174923 | 14837 | 20314 | 4845 | -7 | 0 |
| 12/18/2018 | 39 | 262344 | 219487 | 16747 | 21615 | 4495 | -11 | 0 |
| 12/19/2018 | 33 | 220531 | 181175 | 14890 | 20485 | 3980 | 2 | 0 |
| 12/20/2018 | 18 | 148818 | 116664 | 11257 | 17164 | 3733 | 18 | 0 |
| 12/21/2018 | 11 | 95817 | 69606 | 8826 | 14172 | 3213 | 15 | 1 |
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| 1/1/2019 | 26 | 172838 | 139915 | 11795 | 17974 | 3155 | 1 | 0 |
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| 1/5/2019 | 27 | 179938 | 146574 | 11711 | 17430 | 4223 | -1 | 2 |
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| 1/14/2019 | 41 | 272403 | 230991 | 16904 | 21646 | 2863 | 0 | 0 |
| 1/15/2019 | 37 | 248428 | 206873 | 15966 | 20359 | 5230 | 4 | 0 |
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| 1/18/2019 | 32 | 213567 | 174573 | 14235 | 20680 | 4078 | 5 | 1 |
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|-----------|----------|--------|--------|-------|-------|------|------------|---------------|-------|
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| 2/2/2019 | 33 | 239755 | 205079 | 14522 | 20154 | 0 | 18 | 2 | |
| 2/3/2019 | 30 | 205964 | 170664 | 13105 | 18900 | 3295 | 11 | 1 | |
| 2/4/2019 | 23 | 155192 | 122309 | 12052 | 18006 | 2825 | 9 | 0 | |
| 2/5/2019 | 19 | 146469 | 113769 | 11807 | 17191 | 3702 | 8 | 0 | |
| 2/6/2019 | 28 | 184138 | 147013 | 13788 | 18996 | 4341 | -7 | 0 | |
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| 2/2/2013 | 45 | 2341/3 | 213902 | 10002 | 213/3 | 12 | -10 | U | |

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|-----------|----|--------|--------|-------|-------|------|-----|--------|
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| 3/14/2019 | 19 | 143794 | 112371 | 11191 | 16510 | 3723 | 10 | 0 |
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| 3/20/2019 | 25 | 168297 | 133316 | 12563 | 18258 | 4160 | 4 | 0 |
| 3/21/2019 | 22 | 159476 | 125550 | 12071 | 17765 | 4090 | 5 | 0 |
| 3/22/2019 | 28 | 193743 | 157927 | 13171 | 18283 | 4362 | -5 | 1 |
| 3/23/2019 | 27 | 187102 | 154394 | 11935 | 17504 | 3269 | -2 | 2 |
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| 4/7/2019 | 13 | 92432 | 66418 | 8325 | 13620 | 4069 | 6 | 1 |
| 4/8/2019 | 24 | 145291 | 111750 | 11558 | 17314 | 4669 | -12 | 0 |
| 4/9/2019 | 21 | 136937 | 104509 | 11529 | 15979 | 4920 | -3 | 0 |
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| 4/15/2019 | 15 | 101669 | 71795 | 9760 | 15822 | 4293 | -9 | 0 |
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| | | | | | | | | Attachment DI | |
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| 4/20/2019 | 6 | 63678 | 42044 | 6304 | 11750 | 3580 | -2 | Page 42 2 | 01 49 |
| 4/20/2019 | 10 | 71574 | 42044 47848 | 7144 | 13041 | 3541 | -2 -8 | 1 | |
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| 6/3/2019 | 4 | 57462 | 33405 | 6845 | 12655 | 4557 | -2 | 0 | |
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|-----------|-----|-------|-------|------|-------|------|-----|---------|
| 6/4/2019 | 0 | 54823 | 31323 | 6548 | 12157 | 4795 | 3 | 0 |
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|---------------------|------------|----------------|----------------|------|-------|------|------------|---------|-------|
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| | | | | | | | | | |

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| 9/11/2019 | -8 | 48883 | 25401 | 6263 | 11761 | 5459 | 5 | 0 |
| 9/12/2019 | 7 | 53091 | 29453 | 6716 | 11823 | 5100 | -14 | 0 |
| 9/13/2019 | 6 | 51249 | 28698 | 6153 | 11195 | 5203 | -7 | 1 |
| 9/14/2019 | -4 | 44754 | 25098 | 5015 | 9781 | 4860 | 11 | 2 |
| 9/15/2019 | -5 | 46664 | 26318 | 5249 | 10339 | 4758 | 6 | 1 |
| 9/16/2019 | 1 | 48979 | 27421 | 6538 | 10523 | 4497 | -6 | 0 |
| 9/17/2019 | 3 | 50323 | 28349 | 6676 | 10533 | 4766 | -5 | 0 |
| 9/18/2019 | 11 | 59526 | 34833 | 7286 | 11812 | 5595 | -9 | 0 |
| 9/19/2019 | 7 | 57575 | 33481 | 7005 | 11372 | 5717 | 0 | 0 |
| 9/20/2019 | -3 | 48910 | 26895 | 5773 | 11119 | 5124 | 12 | 1 |
| 9/21/2019 | -3 | 44679 | 24866 | 4891 | 10023 | 4900 | 5 | 2 |
| 9/22/2019 | -7 | 47008 | 25807 | 5217 | 10881 | 5103 | 4 | 1 |
| 9/23/2019 | -8 | 49232 | 25584 | 6464 | 11902 | 5281 | 3 | 0 |
| 9/24/2019 | 0 | 50888 | 26899 | 6656 | 12022 | 5312 | -8 | 0 |
| 9/25/2019 | 2 | 51598 | 27832 | 6487 | 11638 | 5641 | -6 | 0 |
| 9/26/2019 | 1 | 51839 | 28072 | 6521 | 11795 | 5451 | 0 | 0 |
| 9/27/2019 | 3 | 49606 | 27477 | 5997 | 11179 | 4954 | -2 | 1 |
| 9/28/2019 | -6 | 44003 | 24409 | 4828 | 10098 | 4669 | 8 | 2 |
| 9/29/2019 | 1 | 48912 | 27948 | 5543 | 10832 | 4590 | -3 | 1 |
| 9/30/2019 | 5 | 52637 | 29661 | 6572 | 11735 | 4670 | -8 | 0 |
| 10/1/2019 | -5 | 50645 | 27435 | 6085 | 12108 | 5016 | 8 | 0 |
| 10/2/2019 | 3 | 53677 | 29190 | 6711 | 12517 | 5259 | -3 | 0 |
| 10/3/2019 | 13 | 64710 | 39453 | 7496 | 12514 | 5247 | -14 | 0 |
| 10/4/2019 | 14 | 72967 | 47856 | 7304 | 12610 | 5198 | -6 | 1 |
| 10/5/2019 | 16 | 76087 | 52999 | 6766 | 11102 | 5221 | -3 | 2 |
| 10/6/2019 | -2 | 56899 | 35035 | 5909 | 11307 | 4648 | 17 | 1 |
| 10/7/2019 | -1 | 50296 | 26712 | 6482 | 12368 | 4735 | 8 | 0 |
| 10/8/2019 | 8 | 61748 | 36373 | 7346 | 12955 | 5074 | -10 | 0 |
| 10/9/2019 | 12 | 78421 | 51833 | 8130 | 13356 | 5102 | -9 | 0 |
| 10/10/2019 | 11 | 89087 | 61075 | 8582 | 14062 | 5369 | -1 | 0 |
| 10/11/2019 | 12 | 84172 | 58427 | 7602 | 12983 | 5160 | -1 | 1 |
| 10/12/2019 | 11 | 72396 | 49260 | 6538 | 11842 | 4757 | 1 | 2 |
| 10/13/2019 | 8 | 62106 | 39458 | 6224 | 11806 | 4617 | 4 | 1 |
| 10/14/2019 | 8 | 65951 | 41332 | 6956 | 13014 | 4648 | 2 | 0 |
| 10/15/2019 | 15 | 84388 | 56621 | 8416 | 14331 | 5020 | -7 | 0 |
| 10/16/2019 | 8 | 77373 | 50415 | 8361 | 13761 | 4836 | 4 | 0 |
| | | | | | | | | |

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| | | | | | | | | r age 4 |
|------------|----|--------|--------|-------|-------|------|-----|---------|
| 10/17/2019 | 13 | 94003 | 65337 | 8935 | 14217 | 5515 | -2 | 0 |
| 10/18/2019 | 16 | 95829 | 67090 | 8561 | 14763 | 5415 | -6 | 1 |
| 10/19/2019 | 17 | 95111 | 69402 | 7615 | 13229 | 4864 | -3 | 2 |
| 10/20/2019 | 10 | 80100 | 54641 | 7189 | 13531 | 4739 | 7 | 1 |
| 10/21/2019 | 11 | 81204 | 53124 | 8443 | 14371 | 5266 | 3 | 0 |
| 10/22/2019 | 8 | 75061 | 48474 | 8172 | 13758 | 4657 | 3 | 0 |
| 10/23/2019 | 11 | 84230 | 55378 | 8782 | 14385 | 5686 | -2 | 0 |
| 10/24/2019 | 10 | 80114 | 52779 | 7967 | 14330 | 5038 | -1 | 0 |
| 10/25/2019 | 9 | 70641 | 45375 | 7241 | 13171 | 4854 | 2 | 1 |
| 10/26/2019 | 12 | 76273 | 51989 | 6808 | 12543 | 4934 | -3 | 2 |
| 10/27/2019 | 13 | 95330 | 68150 | 7941 | 13970 | 5270 | -3 | 1 |
| 10/28/2019 | 13 | 91528 | 62679 | 8830 | 15056 | 4962 | -1 | 0 |
| 10/29/2019 | 10 | 82138 | 54069 | 8357 | 14443 | 5269 | 3 | 0 |
| 10/30/2019 | 4 | 64349 | 38149 | 7552 | 13563 | 5084 | 8 | 0 |
| 10/31/2019 | 0 | 59246 | 34131 | 7319 | 13088 | 4708 | 7 | 0 |
| 11/1/2019 | 20 | 106264 | 77020 | 8936 | 14945 | 5363 | -18 | 1 |
| 11/2/2019 | 20 | 117065 | 90547 | 8602 | 13415 | 4501 | -10 | 2 |
| 11/3/2019 | 22 | 126455 | 98213 | 8988 | 14049 | 5205 | -2 | 1 |
| 11/4/2019 | 19 | 121560 | 91995 | 9359 | 14624 | 5582 | 2 | 0 |
| 11/5/2019 | 16 | 113811 | 85049 | 9309 | 14144 | 5308 | 5 | 0 |
| 11/6/2019 | 22 | 136130 | 104871 | 10739 | 14642 | 5878 | -5 | 0 |
| 11/7/2019 | 20 | 134208 | 103053 | 10672 | 15075 | 5409 | -1 | 0 |
| 11/8/2019 | 35 | 211447 | 173892 | 13292 | 18493 | 5770 | -14 | 1 |
| 11/9/2019 | 33 | 191432 | 157950 | 11587 | 16923 | 4973 | -6 | 2 |
| 11/10/2019 | 20 | 143782 | 114510 | 9666 | 15344 | 4263 | 14 | 1 |
| 11/11/2019 | 13 | 101518 | 74204 | 8666 | 14753 | 3895 | 14 | 0 |
| 11/12/2019 | 36 | 218914 | 180410 | 13970 | 19257 | 5277 | -20 | 0 |
| 11/13/2019 | 40 | 248910 | 212722 | 15502 | 20501 | 184 | -16 | 0 |
| 11/14/2019 | 29 | 200416 | 163366 | 13172 | 18432 | 5446 | 9 | 0 |
| 11/15/2019 | 24 | 168333 | 134828 | 11425 | 17251 | 4830 | 11 | 1 |
| 11/16/2019 | 35 | 220389 | 184158 | 12601 | 18429 | 5201 | -9 | 2 |
| 11/17/2019 | 28 | 198349 | 163113 | 12059 | 18256 | 4921 | 2 | 1 |
| 11/18/2019 | 25 | 178794 | 143279 | 12336 | 18213 | 4967 | 7 | 0 |
| 11/19/2019 | 22 | 154684 | 120718 | 11716 | 17440 | 4811 | 5 | 0 |
| 11/20/2019 | 26 | 181893 | 145406 | 12513 | 18715 | 5259 | -3 | 0 |
| 11/21/2019 | 20 | 149471 | 116266 | 11018 | 17331 | 4857 | 4 | 0 |
| 11/22/2019 | 25 | 171839 | 137289 | 11526 | 17754 | 5270 | -2 | 1 |
| 11/23/2019 | 24 | 157339 | 126214 | 10207 | 16202 | 4716 | -2 | 2 |
| 11/24/2019 | 23 | 170278 | 136883 | 10984 | 17399 | 5012 | 2 | 1 |
| 11/25/2019 | 21 | 147235 | 113981 | 10768 | 17482 | 5004 | 3 | 0 |
| 11/26/2019 | 18 | 131033 | 99761 | 10187 | 16417 | 4668 | 4 | 0 |
| 11/27/2019 | 16 | 127480 | 98821 | 9372 | 15175 | 4112 | 4 | 0 |
| 11/28/2019 | 27 | 180792 | 147667 | 10889 | 17202 | 5034 | -10 | 0 |
| 11/29/2019 | 30 | 203728 | 168083 | 12313 | 18233 | 5100 | -9 | 1 |
| 11/30/2019 | 36 | 226724 | 190628 | 12760 | 18492 | 4844 | -8 | 2 |
| | | | | | | | | |

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| | | | | | | | | 1 450 |
|------------|----|--------|--------|-------|-------|------|-----|-------|
| 12/1/2019 | 30 | 214134 | 177817 | 12801 | 18923 | 4592 | 3 | 1 |
| 12/2/2019 | 33 | 231434 | 191137 | 14504 | 20754 | 5038 | 0 | 0 |
| 12/3/2019 | 34 | 234241 | 193171 | 14988 | 20750 | 5331 | -3 | 0 |
| 12/4/2019 | 30 | 208489 | 169850 | 13989 | 19738 | 4912 | 4 | 0 |
| 12/5/2019 | 31 | 216330 | 176839 | 14096 | 20051 | 5344 | 1 | 0 |
| 12/6/2019 | 29 | 210078 | 172725 | 13198 | 19202 | 4954 | 2 | 1 |
| 12/7/2019 | 39 | 235123 | 201290 | 13627 | 19667 | 540 | -9 | 2 |
| 12/8/2019 | 30 | 204611 | 169606 | 12204 | 18405 | 4396 | 4 | 1 |
| 12/9/2019 | 9 | 117866 | 89248 | 9511 | 15603 | 3505 | 26 | 0 |
| 12/10/2019 | 20 | 139213 | 106124 | 11107 | 16976 | 5007 | -1 | 0 |
| 12/11/2019 | 37 | 236281 | 195271 | 15140 | 20523 | 5348 | -23 | 0 |
| 12/12/2019 | 38 | 248275 | 206351 | 15408 | 21046 | 5470 | -10 | 0 |
| 12/13/2019 | 20 | 170767 | 138141 | 11253 | 17337 | 4037 | 18 | 1 |
| 12/14/2019 | 14 | 115142 | 88185 | 8557 | 14749 | 3652 | 15 | 2 |
| 12/15/2019 | 28 | 198378 | 162949 | 12289 | 18331 | 4810 | -11 | 1 |
| 12/16/2019 | 34 | 234286 | 193302 | 14847 | 20745 | 5393 | -13 | 0 |
| 12/17/2019 | 33 | 231765 | 191053 | 14941 | 20833 | 4938 | -2 | 0 |
| 12/18/2019 | 41 | 257874 | 219200 | 16548 | 22127 | 0 | -8 | 0 |
| 12/19/2019 | 47 | 313560 | 271583 | 18199 | 23779 | 0 | -10 | 0 |
| 12/20/2019 | 41 | 271083 | 233363 | 15687 | 22034 | 0 | 3 | 1 |
| 12/21/2019 | 34 | 230883 | 194616 | 12923 | 18915 | 4430 | 10 | 2 |
| 12/22/2019 | 30 | 201523 | 166840 | 12040 | 18248 | 4395 | 8 | 1 |
| 12/23/2019 | 21 | 161817 | 130307 | 10637 | 16913 | 3961 | 11 | 0 |
| 12/24/2019 | 31 | 194794 | 161655 | 11439 | 17443 | 4258 | -6 | 0 |
| 12/25/2019 | 29 | 184754 | 152054 | 10930 | 17523 | 4247 | -3 | 0 |
| 12/26/2019 | 27 | 189931 | 155343 | 12103 | 18202 | 4283 | 3 | 0 |
| 12/27/2019 | 19 | 152326 | 122293 | 10144 | 16305 | 3584 | 9 | 1 |
| 12/28/2019 | 25 | 169038 | 137948 | 10629 | 16638 | 3823 | -2 | 2 |
| 12/29/2019 | 26 | 172119 | 139572 | 11075 | 17486 | 3986 | -4 | 1 |
| 12/30/2019 | 27 | 197056 | 161873 | 12302 | 18557 | 4323 | -2 | 0 |
| 12/31/2019 | 27 | 181813 | 149477 | 11127 | 17059 | 4150 | -1 | 0 |
| 1/1/2020 | 30 | 200460 | 165510 | 12021 | 18592 | 4338 | -3 | 0 |
| 1/2/2020 | 21 | 165004 | 131696 | 11544 | 17870 | 3894 | 8 | 0 |
| 1/3/2020 | 19 | 139988 | 109903 | 10024 | 16521 | 3541 | 7 | 1 |
| 1/4/2020 | 24 | 158270 | 127524 | 10489 | 16418 | 3839 | -4 | 2 |
| 1/5/2020 | 33 | 217490 | 180651 | 13330 | 18801 | 4707 | -12 | 1 |
| 1/6/2020 | 32 | 225638 | 186630 | 14306 | 19876 | 4826 | -4 | 0 |
| 1/7/2020 | 30 | 201774 | 164221 | 13494 | 19427 | 4632 | 3 | 0 |
| 1/8/2020 | 36 | 249458 | 207568 | 15388 | 21155 | 5347 | -5 | 0 |
| 1/9/2020 | 36 | 252546 | 211296 | 15311 | 20793 | 5146 | -3 | 0 |
| 1/10/2020 | 15 | 149793 | 119804 | 10231 | 16215 | 3543 | 21 | 1 |
| 1/11/2020 | 4 | 80259 | 57223 | 7074 | 13193 | 2769 | 22 | 2 |
| 1/12/2020 | 16 | 121607 | 93002 | 9366 | 15819 | 3420 | -7 | 1 |
| 1/13/2020 | 26 | 177028 | 142109 | 12297 | 18362 | 4260 | -16 | 0 |
| 1/14/2020 | 25 | 174970 | 140297 | 12178 | 18161 | 4334 | -4 | 0 |
| | | | | | | | | |

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| | | | | | | | | Page 4 |
|-----------|----|--------|--------|-------|-------|------|-----|--------|
| 1/15/2020 | 25 | 167121 | 132817 | 11882 | 18312 | 4110 | 1 | 0 |
| 1/16/2020 | 34 | 233159 | 193578 | 14575 | 20341 | 4665 | -9 | 0 |
| 1/17/2020 | 47 | 302007 | 262190 | 17092 | 22724 | 0 | -18 | 1 |
| 1/18/2020 | 36 | 250120 | 212820 | 14137 | 19562 | 3602 | 5 | 2 |
| 1/19/2020 | 36 | 233339 | 195378 | 14187 | 20102 | 3673 | 6 | 1 |
| 1/20/2020 | 44 | 283315 | 243059 | 17019 | 23237 | 0 | -8 | 0 |
| 1/21/2020 | 44 | 288986 | 248192 | 17415 | 23379 | 0 | -4 | 0 |
| 1/22/2020 | 38 | 247915 | 208263 | 15671 | 21519 | 2463 | 6 | 0 |
| 1/23/2020 | 29 | 207560 | 169694 | 13733 | 19644 | 4488 | 12 | 0 |
| 1/24/2020 | 25 | 174745 | 140885 | 11802 | 17945 | 4113 | 9 | 1 |
| 1/25/2020 | 19 | 150176 | 120562 | 9978 | 15988 | 3649 | 8 | 2 |
| 1/26/2020 | 25 | 171570 | 138541 | 11252 | 17870 | 3907 | -3 | 1 |
| 1/27/2020 | 25 | 183922 | 148019 | 12578 | 19259 | 4066 | -3 | 0 |
| 1/28/2020 | 29 | 205052 | 167011 | 13604 | 19755 | 4682 | -4 | 0 |
| 1/29/2020 | 35 | 226862 | 186188 | 14663 | 20825 | 5186 | -8 | 0 |
| 1/30/2020 | 36 | 232974 | 192031 | 14950 | 20853 | 5141 | -4 | 0 |
| 1/31/2020 | 28 | 186456 | 151047 | 12467 | 18530 | 4412 | 8 | 1 |
| 2/1/2020 | 27 | 179846 | 146842 | 11543 | 17237 | 4224 | 5 | 2 |
| 2/2/2020 | 28 | 190583 | 155783 | 12107 | 18378 | 4316 | -1 | 1 |
| 2/3/2020 | 27 | 188227 | 150624 | 13236 | 19490 | 4876 | 1 | 0 |
| 2/4/2020 | 23 | 166759 | 131981 | 12001 | 18055 | 4722 | 5 | 0 |
| 2/5/2020 | 28 | 194691 | 157984 | 13300 | 19111 | 4296 | -3 | 0 |
| 2/6/2020 | 27 | 191694 | 155667 | 13148 | 18544 | 4336 | -2 | 0 |
| 2/7/2020 | 30 | 213848 | 176982 | 13522 | 18641 | 4703 | -3 | 1 |
| 2/8/2020 | 36 | 232971 | 195610 | 13690 | 18715 | 4956 | -8 | 2 |
| 2/9/2020 | 27 | 201075 | 166284 | 12294 | 18158 | 4339 | 6 | 1 |
| 2/10/2020 | 22 | 167648 | 133699 | 11926 | 18089 | 3934 | 10 | 0 |
| 2/11/2020 | 25 | 180877 | 145180 | 12714 | 18793 | 4191 | -1 | 0 |
| 2/12/2020 | 26 | 177484 | 141738 | 12767 | 18620 | 4359 | -3 | 0 |
| 2/13/2020 | 29 | 198027 | 161678 | 13390 | 18738 | 4221 | -4 | 0 |
| 2/14/2020 | 46 | 274528 | 236330 | 16699 | 21499 | 0 | -19 | 1 |
| 2/15/2020 | 38 | 248561 | 210942 | 14307 | 19508 | 3804 | -1 | 2 |
| 2/16/2020 | 29 | 203158 | 168476 | 12621 | 18436 | 3627 | 13 | 1 |
| 2/17/2020 | 28 | 196321 | 159231 | 13164 | 19422 | 4505 | 6 | 0 |
| 2/18/2020 | 26 | 192797 | 156804 | 12822 | 18875 | 4296 | 3 | 0 |
| 2/19/2020 | 32 | 213830 | 175102 | 14221 | 19967 | 4540 | -5 | 0 |
| 2/20/2020 | 39 | 251136 | 213775 | 16098 | 21264 | 0 | -10 | 0 |
| 2/21/2020 | 37 | 241000 | 203610 | 14834 | 19914 | 2641 | -2 | 1 |
| 2/22/2020 | 29 | 190852 | 157601 | 11821 | 17125 | 4305 | 9 | 2 |
| 2/23/2020 | 24 | 164676 | 132137 | 10913 | 17651 | 3975 | 9 | 1 |
| 2/24/2020 | 18 | 131230 | 100070 | 10566 | 17096 | 3498 | 9 | 0 |
| 2/25/2020 | 19 | 129525 | 98586 | 10447 | 17053 | 3439 | 2 | 0 |
| 2/26/2020 | 18 | 139821 | 108528 | 10806 | 16855 | 3632 | 1 | 0 |
| 2/27/2020 | 29 | 203434 | 165807 | 13841 | 19444 | 4343 | -11 | 0 |
| 2/28/2020 | 33 | 215079 | 179317 | 13849 | 19478 | 2435 | -10 | 1 |

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| | | | | | | | | 1 48 |
|-----------|----|--------|--------|-------|-------|------|-----|------|
| 3/1/2020 | 35 | 230341 | 191384 | 13696 | 20234 | 5028 | 1 | 1 |
| 3/2/2020 | 14 | 135307 | 103807 | 10621 | 17500 | 3380 | 23 | 0 |
| 3/3/2020 | 15 | 114618 | 84225 | 10018 | 16842 | 3534 | 10 | 0 |
| 3/4/2020 | 20 | 149526 | 116298 | 11444 | 17792 | 3992 | -6 | 0 |
| 3/5/2020 | 24 | 153910 | 120725 | 11666 | 17476 | 4044 | -7 | 0 |
| 3/6/2020 | 27 | 189018 | 154062 | 12330 | 18166 | 4460 | -5 | 1 |
| 3/7/2020 | 27 | 185832 | 153285 | 11393 | 16952 | 4202 | -2 | 2 |
| 3/8/2020 | 17 | 140962 | 110931 | 9698 | 16672 | 3662 | 10 | 1 |
| 3/9/2020 | 8 | 92098 | 64075 | 8461 | 15382 | 4181 | 14 | 0 |
| 3/10/2020 | 9 | 88986 | 62481 | 8391 | 14725 | 3389 | 4 | 0 |
| 3/11/2020 | 20 | 123946 | 93627 | 10085 | 16325 | 3909 | -12 | 0 |
| 3/12/2020 | 20 | 137801 | 108116 | 10153 | 15549 | 3983 | -6 | 0 |
| 3/13/2020 | 17 | 131906 | 102870 | 9536 | 15738 | 3761 | 3 | 1 |
| 3/14/2020 | 20 | 132910 | 104696 | 8985 | 15404 | 3826 | -2 | 2 |
| 3/15/2020 | 27 | 161591 | 129313 | 10410 | 17694 | 4175 | -9 | 1 |
| 3/16/2020 | 28 | 177830 | 142646 | 11416 | 19377 | 4392 | -5 | 0 |
| 3/17/2020 | 22 | 161783 | 128899 | 10478 | 18289 | 4117 | 6 | 0 |
| 3/18/2020 | 20 | 133489 | 101544 | 9877 | 17291 | 4778 | 5 | 0 |
| 3/19/2020 | 21 | 145155 | 114558 | 9638 | 17278 | 3680 | 0 | 0 |
| 3/20/2020 | 9 | 95633 | 70928 | 7149 | 14387 | 3169 | 12 | 1 |
| 3/21/2020 | 26 | 150486 | 121440 | 9045 | 16146 | 3855 | -11 | 2 |
| 3/22/2020 | 31 | 183628 | 143226 | 14445 | 20926 | 5031 | -14 | 1 |
| 3/23/2020 | 27 | 192825 | 173652 | 5139 | 10159 | 3875 | 2 | 0 |
| 3/24/2020 | 22 | 147434 | 116269 | 10119 | 17481 | 3565 | 7 | 0 |
| 3/25/2020 | 26 | 175549 | 141853 | 11009 | 18460 | 4228 | -2 | 0 |
| 3/26/2020 | 17 | 120666 | 91340 | 8763 | 16509 | 4054 | 7 | 0 |
| 3/27/2020 | 15 | 105789 | 78829 | 7540 | 15521 | 3899 | 7 | 1 |
| 3/28/2020 | 19 | 117300 | 90955 | 7252 | 14943 | 4150 | -3 | 2 |
| 3/29/2020 | 22 | 148890 | 119056 | 8761 | 16579 | 4495 | -5 | 1 |
| 3/30/2020 | 25 | 165176 | 131767 | 10498 | 17790 | 5121 | -5 | 0 |
| 3/31/2020 | 26 | 158931 | 125538 | 10112 | 18080 | 5202 | -3 | 0 |
| | | | | | | | | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-8

Request:

Please provide monthly supply plans for each month of the winter of 2019/20.

Response:

Please see Attachment DIV 1-8.

| RHODE ISLAND MONTHLY PLAN November 2019 | | | | | | | | |
|--|---------|---------|---------|--|--|--|--|--|
| | MIN DAY | AVG DAY | MAX DAY | | | | | |
| *4-Year Historical Sendout | 57,734 | 137,098 | 290,302 | | | | | |
| HDD | 0 | 20 | 54 | | | | | |
| *All Sales and Transportation customers. No power plants. | | | | | | | | |
| | | | | | | | | |
| **Forecasted Sendout | 58,490 | 119,944 | 219,828 | | | | | |
| HDD | 10 | 20 | 37 | | | | | |
| **Firm Sales and Transportation customers w/ NGRID Capacity. | | | | | | | | |
| | | | | | | | | |
| Forecasted Firm Transporation | 16,965 | 28,795 | 47,472 | | | | | |
| Forecasted Sales Demand | 41,525 | 91,149 | 172,356 | | | | | |

| Baseload Election - Volume per Da | |
|--------------------------------------|---------------|
| Dawn | 0 |
| Longhaul | <u>14,000</u> |
| TGP Total | 14,000 |
| Longhaul | <u>24,000</u> |
| AGT Total | 24,000 |
| Grand Total | 38,000 |

Page 2 of 15 Estimated Rhode Island Capacity Breakout for November 2019 **ALGONQUIN** Receipt Receipt Seasonal City Gate Net CG Available M2 МЗ CG Loss Baseload Path **Point** Volumes Capacity Deliveries Swing Transco Leidy->AGT Transco 72 72 0 72 72 72 0 TETCO->AGT M2 27,250 27,250 26,792 0 26,655 26,655 23,928 2,727 DTI->TETCO FTS->AGT Dom SP 0 0 0 0 0 0 0 9.069 9,000 0 8,831 8,831 0 8,831 Millen->Ramapo->AGT Millennium AGT 8,289 8,289 8,247 8,247 8,247 МЗ 0 0 TCO->AGT Maumee 27,903 27,487 (16,718)10,629 10,629 0 10,629 TCO->AGT Broad Run 10,151 10,000 9,949 9,949 0 9,949 Spotlight AMA 0 TCO->AGT 3,655 3,600 (3,582)0 0 Eagle 0 0 TCO->AGT 3,403 3,352 (3,335)0 0 Pennsburg RAMAPO->AGT RAMAPO 9,345 9,345 0 9,169 9,169 0 9,169 1,158 1,158 1,158 Transco Leidy->AGT SCT Transco 1,172 1,164 0 0 3,167 3,167 Remaining AGT (SCT) M3 (SCT) 3,183 3,183 (276)3,167 0 Constellation Supply AGT Citygate AGT CG 14,100 14,100 14,100 0 14,100 (23,911)91,977 91,977 24,000 67,977 117,592 Transport **AGT Storage** Receipt In-Hole Seasonal Storage **MDWQ** Path Point WDs М3 CG Loss Capacity 2,368 GSS-TE 600045 DTI GSS-TE 5,644 5,644 5,549 (3,153)GSS 300169 DTI GSS 0 0 0 0 0 GSS 300171 DTI GSS 2,617 2,617 2,586 (2,573)0 FSS 9630 TCO FSS 2,545 2,545 2,507 (2,494)0 930 FSS-1 400515 TETCO FSS1 944 (925)0 950 SS-1 400185 TETCO SS1 677 665 665 (662)0 SS-1 400221 TETCO SS1 14,390 14,137 14,137 14,065 16,433 Storage (9,807)108,410 Available AGT Swing 67,977 Total (33,718)**TENNESSEE** Receipt Receipt City Gate Net CG Available Αt TGP Inct Volumes Capacity Baseload Path Point **Deliveries** Swing Z4 CXN TGP ConnXion 4 --> 6 11,759 11,600 11,600 11,600 0 TGP 4 --> 6 **Z**4 20,106 19,835 19,835 2,400 17,435 TGP 5 --> 6 Niagara 1,077 1,067 1,067 0 1,067 Emera Energy AMA 10,757 Union>TrCan>Port->TGP Dawn 10,838 10,576 10,576 10,576 0 10,576 Union>TrCan>Port->TGP Dawn 15,061 14,948 14,697 14,697 14,697 0 14,697 DTE Energy AMA 1,016 1,010 **EDF Trading AMA** Union>TrCan>IGT->TGP Dawn 1,024 1,000 1,000 0 1,000 TGP 6 --> 6 Everett 25,053 25,000 25,000 0 25,000 TGP 6 --> 6 Freepoint AMA 0 0 Dracut 0 0 0 TGP 6 --> 6 741 741 741 741 Dracut 0 85,659 Transport 84,516 84,516 14,000 70,516 **TGP Storage** In-Hole Receipt Storage Path Point WDs **MDWQ** Capacity GSS 300168 DTI GSS 1,401 1,401 1,382 GSS 300170 DTI GSS 0 0 0 FSMA 62918 TGP FSMA 10,249 10,249 10,111 FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 Total 95,352 Available TGP Swing 70,516

| C | 7 |
|---|---|
| | |
| • | 2 |
| (| |
| _ | 7 |

| November 2019 | | | | | | | | |
|---------------|---------------------|--------------------|----------------------|-------------------|-------------------|--------------------|------|---------------|
| | | | Storage Capacity | Current | Current | Balance as of | | |
| Company | Field | Contract Number | Quantity (Dth/Yr) | MDWQ (Dth/Day) | MDIQ (Dth/Day) | October 23 2019 | Full | W/D via |
| Narragansett | Dominion GSS-TE | 600045 | 1.376.324 | 14.337 | 6.431 | 1.312.635 | 95% | Tetco/AGT |
| Narragansett | Dominion GSS | 300168 | 154,050 | 1,401 | 720 | 145,392 | 94% | TGP |
| Narragansett | Dominion GSS | 300169 | 206,100 | 2,061 | 696 | 193,173 | 94% | DTI/Tetco/AGT |
| Narragansett | Dominion GSS | 300170 | 490,340 | 5,324 | 2,291 | 461,276 | 94% | DTI/TGP |
| Narragansett | Dominion GSS | 300171 | 188,814 | 2,617 | 882 | 175,301 | 83% | Tetco/AGT |
| Narragansett | Columbia FSS | 0896 | 203,957 | 2,545 | 571 | 193,294 | %56 | TCO/AGT |
| Narragansett | Texas Eastern FSS-1 | 400515 | 56,640 | 944 | 291 | 52,765 | 83% | Tetco/AGT |
| Narragansett | Texas Eastern SS-1 | 400185 | 51,990 | 999 | 267 | 49,225 | %56 | AGT |
| Narragansett | Texas Eastern SS-1 | 400221 | 1,188,033 | 14,137 | 6,107 | 1,115,226 | 94% | AGT |
| Narragansett | Tennessee FS-MA | 62918 | 210,000 | 10,249 | 1,400 | 187,381 | %68 | TGP |
| Narragansett | Tennessee FS-MA | 501 | 605,343 | 10,920 | 4,036 | 513,010 | %28 | TGP |
| | | | | | | | | |

93%

4,398,678

23,960

65,200

4,731,591

Storage Totals

| RHODE ISLAND MONTHLY PLAN December 2019 | | | | | | | | |
|--|---------|---------|---------|--|--|--|--|--|
| | MIN DAY | AVG DAY | MAX DAY | | | | | |
| *4-Year Historical Sendout | 65,460 | 188,198 | 361,735 | | | | | |
| HDD | 6 | 29 | 58 | | | | | |
| *All Sales and Transportation customers. No power plants. | | | | | | | | |
| | | | | | | | | |
| **Forecasted Sendout | 102,557 | 171,521 | 252,283 | | | | | |
| HDD | 16 | 29 | 43 | | | | | |
| **Firm Sales and Transportation customers w/ NGRID Capacity. | | | | | | | | |
| | | | | | | | | |
| Forecasted Firm Transporation | 24,321 | 36,107 | 48,569 | | | | | |
| Forecasted Sales Demand | 78,236 | 135,414 | 203,714 | | | | | |

| Baseload Election - December 2019 Volume per Day (MMBtu) | | | | | | | | |
|---|---------------|--|--|--|--|--|--|--|
| Dawn | 0 | | | | | | | |
| Longhaul | <u>27,000</u> | | | | | | | |
| TGP Total | 27,000 | | | | | | | |
| Longhaul | <u>43,000</u> | | | | | | | |
| AGT Total | 43,000 | | | | | | | |
| Grand Total | 70,000 | | | | | | | |

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| Estimat | ed Rhode | Island (| Capaci | ty Break | out for De | ecember | 2019 | | Page 5 of 15 |
|------------------------|------------|----------|--------|-----------|------------|-------------|-----------|-----------|----------------------|
| AL CONOLIN | | | | | | | | | |
| ALGONQUIN | | | ı | | 01: 0 : | | | | |
| Dath | Receipt | Receipt | MO | MO | City Gate | Net CG | Danaland | Available | |
| Path | Point | Volumes | M2 | M3 | Capacity | Deliveries | Baseload | Swing | |
| Transco Leidy->AGT | Transco | 72 | 07.050 | 72 | 72 | 72 | 72 | 0 | |
| TETCO->AGT | M2 | 27,252 | 27,252 | 26,794 | 26,657 | 26,657 | 26,657 | 0 | |
| DTI->TETCO FTS->AGT | Dom SP | 548 | 537 | 531 | 528 | 528 | 528 | 0 | |
| Millen->Ramapo->AGT | Millennium | 9,069 | | 9,000 | 8,831 | 8,831 | 8,831 | 0 | |
| Transco Leidy->AGT SCT | Transco | 1,172 | | 1,164 | 1,158 | 1,158 | 1,158 | 0 | |
| TCO->AGT | Maumee | 27,903 | | 27,487 | 27,347 | 27,347 | 5,754 | 21,593 | 0 |
| TCO->AGT | Broad Run | 10,151 | | 10,000 | 9,949 | 9,949 | 0 | 9,949 | Spotlight AMA |
| AGT | M3 | 5,736 | | 5,736 | 5,707 | 5,707 | 0 | 5,707 | |
| TCO->AGT | Eagle | 3,655 | | 3,600 | 3,582 | 3,582 | 0 | 3,582 | |
| TCO->AGT | Pennsburg | 3,403 | | 3,352 | 3,335 | 3,335 | 0 | 3,335 | |
| RAMAPO->AGT | RAMAPO | 9,345 | | 9,345 | 9,169 | 9,169 | 0 | 9,169 | |
| Remaining AGT (SCT) | M3 (SCT) | 3,461 | | 3,461 | 3,443 | 3,443 | 0 | 3,443 | |
| AGT Citygate | AGT CG | 14,100 | | | 14,100 | 14,100 | 0 | 14,100 | Constellation Supply |
| | | 115,867 | | Transport | 113,878 | 113,878 | 43,000 | 70,878 | |
| AGT Storage | | | _ | | | | | | |
| | Receipt | In-Hole | | | Storage | | | | |
| Path | Point | WDs | MDWQ | M3 | Capacity | | | | |
| GSS-TE 600045 | DTI GSS-TE | 5,644 | 5,644 | 5,549 | 5,521 | | | | |
| GSS 300169 | DTI GSS | 2,061 | 2,061 | 1,987 | 1,977 | | | | |
| GSS 300171 | DTI GSS | 2,617 | 2,617 | 2,586 | 2,573 | | | | |
| FSS 9630 | TCO FSS | 2,545 | 2,545 | 2,507 | 2,494 | | | | |
| FSS-1 400515 | TETCO FSS1 | 950 | 944 | 930 | 925 | | | | |
| SS-1 400185 | TETCO SS1 | 677 | 665 | 665 | 662 | | | | |
| SS-1 400221 | TETCO SS1 | 14,390 | 14,137 | 14,137 | 14,065 | | | | |
| | | | | Storage | 28,217 | | | | |
| | | | | Total | 142,095 | Available / | AGT Swing | 70,878 | |
| TENNESSEE | | | | | | | | | |
| TENNESSEE | | | | | | | | | |
| | Receipt | Receipt | | At | City Gate | Net CG | | Available | |
| Path | Point | Volumes | | TGP Inct | Capacity | Deliveries | Baseload | Swing | |
| TGP ConnXion 4> 6 | Z4 CXN | 11,759 | | | 11,600 | 11,600 | 11,600 | 0 | |
| TGP 4> 6 | Z4 | 20,106 | | | 19,835 | 19,835 | 15,400 | 4,435 | |
| TGP 5> 6 | Niagara | 1,077 | | | 1,067 | 1,067 | 0 | 1,067 | |
| Union>TrCan>Port->TGP | Dawn | 15,133 | 14,998 | 14,732 | 14,732 | 14,732 | 0 | 14,732 | DTE Energy AMA |
| Union>TrCan>Port->TGP | Dawn | 10,854 | 10,757 | 10,566 | 10,566 | 10,566 | 0 | 10,566 | Emera Energy AMA |
| Union>TrCan>IGT->TGP | Dawn | 1,026 | 1,017 | 1,010 | 1,000 | 1,000 | 0 | 1,000 | EDF Trading AMA |
| TGP 6> 6 | Everett | 20,000 | | 20,000 | 19,958 | 19,958 | 0 | 19,958 | Constellation Supply |
| TGP 6> 6 | Dracut | 22,300 | | | 22,300 | 22,300 | 0 | 22,300 | Freepoint AMA |
| TGP 6> 6 | Everett | 5,000 | | 5,000 | 4,990 | 4,990 | 0 | 4,990 | Constellation Supply |
| TGP 6> 6 | Everett | 52 | | | 52 | 52 | 0 | 52 | |
| TGP 6> 6 | Dracut | 588 | | | 588 | 588 | 0 | 588 | |
| | | 107,895 | | Transport | 106,688 | 106,688 | 27,000 | 79,688 | |
| TGP Storage | | | 1 | | 01 | | | | |
| Dath | Receipt | In-Hole | MDWO | | Storage | | | | |
| Path | Point | WDs | MDWQ | | Capacity | | | | |
| GSS 300168 | DTI GSS | 1,401 | 1,401 | | 1,382 | | | | |
| GSS 300170 | DTI GSS | 5,324 | 5,324 | | 5,150 | | | | |
| FSMA 62918 | TGP FSMA | 10,249 | 10,249 | | 10,111 | | | | |
| FSMA 501 | TGP FSMA | 10,920 | 10,920 | Christian | 10,773 | | | | |
| | | | | Storage | 10,836 | Available - | TGD Swine | 70 600 | |
| | | | | Total | 117,524 | Available | ΓGP Swing | 19,000 | J |

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| December 2019 | | | | | | | | |
|---------------|---------------------|----------|---------------------|-----------|-----------|---------------|------|---------------|
| | | | Storage Capacity | Current | Current | Balance as of | | |
| | | Contract | Quantity | MDWQ | MDIQ | November 17 | % | M/D |
| Company | Field | Number | (Dth/Yr) | (Dth/Day) | (Dth/Day) | 2019 | Full | via |
| Narragansett | Dominion GSS-TE | 600045 | 1,376,324 | 14,337 | 6,431 | 1,324,110 | %96 | Tetco/AGT |
| Narragansett | Dominion GSS | 300168 | 154,050 | 1,401 | 720 | 145,597 | %26 | TGP |
| Narragansett | Dominion GSS | 300169 | 206,100 | 2,061 | 896 | 193,915 | 94% | DTI/Tetco/AGT |
| Narragansett | Dominion GSS | 300170 | 490,340 | 5,324 | 2,291 | 460,138 | 94% | DTI/TGP |
| Narragansett | Dominion GSS | 300171 | 188,814 | 2,617 | 882 | 174,974 | 83% | Tetco/AGT |
| Narragansett | Columbia FSS | 0896 | 203,957 | 2,545 | 340 | 195,298 | %96 | TCO/AGT |
| Narragansett | Texas Eastern FSS-1 | 400515 | 56,640 | 944 | 291 | 54,623 | %96 | Tetco/AGT |
| Narragansett | Texas Eastern SS-1 | 400185 | 51,990 | 999 | 267 | 50,422 | %26 | AGT |
| Narragansett | Texas Eastern SS-1 | 400221 | 1,188,033 | 14,137 | 6,107 | 1,111,881 | 94% | AGT |
| Narragansett | Tennessee FS-MA | 62918 | 210,000 | 10,249 | 1,400 | 171,070 | 81% | TGP |
| Narragansett | Tennessee FS-MA | 501 | 605,343 | 10,920 | 4,036 | 554,995 | %76 | TGP |
| | | | | | | | | |

94%

4,437,023

23,729

65,200

4,731,591

Storage Totals

| RHODE ISLAND N January | | <u>PLAN</u> | | | | | | | |
|--|---------------------------------------|-------------|---------|--|--|--|--|--|--|
| | MIN DAY | AVG DAY | MAX DAY | | | | | | |
| *4-Year Historical Sendout | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| HDD 6 34 68 | | | | | | | | | |
| *All Sales and Transportation customers. No power plants. | | | | | | | | | |
| | | | | | | | | | |
| **Forecasted Sendout | 118,051 | 207,282 | 313,553 | | | | | | |
| HDD | 19 | 35 | 54 | | | | | | |
| **Firm Sales and Transportation customers w/ NGRID Capacity. | | | | | | | | | |
| | | | | | | | | | |
| Forecasted Firm Transporation | 26,313 | 40,216 | 54,859 | | | | | | |
| Forecasted Sales Demand | 91,738 | 167,066 | 258,694 | | | | | | |

| Baseload Election - January 2020 Volume per Day (MMBtu) | | | | | | | | |
|--|---------------|--|--|--|--|--|--|--|
| Dawn | 0 | | | | | | | |
| Longhaul | <u>30,000</u> | | | | | | | |
| TGP Total | 30,000 | | | | | | | |
| Longhaul | <u>50,000</u> | | | | | | | |
| AGT Total | 50,000 | | | | | | | |
| Grand Total | 80,000 | | | | | | | |

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| Estima | ated Rhode | e Island | Capac | city Brea | kout for J | lanuary 2 | 020 | | Page 8 of 15 |
|--------------------------------|---------------------|------------------|------------------|------------------|---------------------|------------------|-----------|------------------|---------------------------------|
| ALGONQUIN | | | | | | | | | |
| ALCONGOIN | Receipt | Receipt | 1 | | City Gate | Net CG | | Available | |
| Path | Point | Volumes | M2 | МЗ | Capacity | Deliveries | Baseload | Swing | |
| Transco Leidy->AGT | Transco | 73 | IVIZ | 73 | 72 | 72 | 72 | 0 | |
| TETCO->AGT | M2 | 27,379 | 27,379 | 26,708 | 26,454 | 26,454 | 26,454 | 0 | |
| Millen->Ramapo->AGT | Millennium | 9,069 | 21,010 | 9,000 | 8,645 | 8,645 | 8,645 | 0 | |
| Transco Leidy->AGT SCT | Transco | 1,175 | | 1,167 | 1,156 | 1,156 | 1,156 | 0 | |
| TCO->AGT | Maumee | 27,888 | | 27,472 | 27,211 | 27,211 | 13,673 | 13,538 | |
| TCO->AGT | Broad Run | 10,151 | | 10,000 | 9,905 | 9,905 | 0 | 9,905 | Spotlight AMA |
| AGT | M3 | 6,828 | | 6,828 | 6,763 | 6,763 | 0 | 6,763 | opouigner |
| TCO->AGT | Eagle | 3,655 | | 3,600 | 3,566 | 3,566 | 0 | 3,566 | |
| TCO->AGT | Pennsburg | 3,406 | | 3,355 | 3,323 | 3,323 | 0 | 3,323 | |
| RAMAPO->AGT | RAMAPO | 9,739 | | 9,739 | 9,355 | 9,355 | 0 | 9,355 | |
| Remaining AGT (SCT) | M3 (SCT) | 3,478 | | 3,478 | 3,445 | 3,445 | 0 | 3,445 | |
| AGT Citygate | AGT CG | 14,100 | | 3, 1. 3 | 13,976 | 13,976 | 0 | 13,976 | Constellation Supply |
| 7101 Okygato | 7101 00 | 116,941 | | Transport | 113,871 | 113,871 | 50,000 | 63,871 | Concionation Cappiy |
| AGT Storage | | | | | , | , | | | |
| Dath | Receipt | In-Hole | MDWQ | MO | Storage | | | | |
| Path GSS-TE 600045 | Point DTI GSS-TE | WDs | | M3 | Capacity | 4 | | | |
| GSS-1E 600045 GSS 300169 | DTI GSS | 5,688 | 5,688 2,061 | 5,549 | 5,496 1,952 | | | | |
| GSS 300169 GSS 300171 | DTI GSS | 2,061 | | 1,971 | | | | | |
| FSS 9630 | TCO FSS | 2,617 | 2,617 | 2,574 | 2,550 | | | | |
| FSS-1 400515 | TETCO FSS1 | 2,545 949 | 2,545 944 | 2,507 924 | 2,483 | | | | |
| SS-1 400315 | TETCO PSS1 | 676 | 665 | 924 665 | 915 659 | | | | |
| SS-1 400165 SS-1 400221 | TETCO SS1 | 14,367 | 14,137 | 14,137 | 14,003 | | | | |
| 33-1 400221 | 12100 331 | 14,307 | 14,137 | Storage | 28,058 | | | | |
| | | | | Total | 141,929 | Available / | AGT Swing | 63,871 | |
| TENNEGGE | | | | | | | | | |
| TENNESSEE | | l | | | 0'' 0 ' | L N . 00 | ı | A '1 1 1 | |
| D-4 | Receipt | Receipt | | At | City Gate | Net CG | D I I | Available | |
| Path | Point | Volumes | | TGP Inct | Capacity | Deliveries | Baseload | Swing | |
| TGP ConnXion 4> 6 | Z4 CXN | 11,759 | | | 11,600 | 11,600 | 11,600 | 0 | |
| TGP 4> 6 | Z4 | 19,803 | | | 19,536 | 19,536 | 18,400 | 1,136 | |
| TGP 5> 6 Union>TrCan>Port->TGP | Niagara | 1,077 | 14.000 | 14.005 | 1,067 | 1,067 | 0 | 1,067 | DTC Charmy AMA |
| Union>TrCan>Port->TGP | Dawn Dawn | 15,151 10,867 | 14,998 10,757 | 14,695 10,539 | 14,695 10,539 | 14,695 10,539 | 0 | 14,695 10,539 | DTE Energy AMA Emera Energy AMA |
| Union>TrCan>IGT->TGP | Dawn | 1,034 | 1,024 | 1,010 | 1,000 | 1,000 | 0 | 1,000 | EDF Trading AMA |
| TGP 6> 6 | Everett | 20,000 | 1,024 | 20,000 | 19,958 | 19,958 | 0 | 19,958 | Constellation Supply |
| TGP 6> 6 | Dracut | 22,300 | | 20,000 | 22,300 | 22,300 | | 22,300 | Freepoint AMA |
| TGP 6> 6 | Everett | 5,000 | | 5,000 | 4,990 | 4,990 | 0 | 4,990 | Constellation Supply |
| TGP 6> 6 | Everett | 52 | | 5,500 | 4,990 52 | 52 | 0 | 52 | Constellation Supply |
| TGP 6> 6 | Dracut | 488 | | | 488 | 488 | 0 | 488 | |
| 101 0 20 | Didodt | 107,531 | | Transport | 106,225 | 106,225 | 30,000 | 76,225 | |
| TGP Storage | D'' | lm II-I- | | | 04 | | | | |
| Path | Receipt Point | In-Hole WDs | MDWQ | | Storage Capacity | | | | |
| GSS 300168 | DTI GSS | 1,401 | 1,401 | | 1,382 | | | | |
| GSS 300170 | DTI GSS | 5,324 | 5,324 | | 5,150 | | | | |
| FSMA 62918 | TGP FSMA | 10,249 | 10,249 | | 10,111 | | | | |
| FSMA 501 | TGP FSMA | 10,920 | 10,920 | | 10,773 | | | | |
| | | | | Storage | 10,836 | | | | |
| | | | | Total | 117,061 | Available 7 | TGP Swing | 76,225 | |

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| <u>_</u> |

| January 2020 | | | | | | | | |
|--------------|---------------------|----------|---------------------|---------------|-------------------|---------------|-----|---------------|
| | | | Storage Capacity | Current | Current | Balance as of | | |
| | | Contract | Quantity | MDWQ (154) | MDIQ (Dth/D2v) | December 16 | % [| M/D |
| company | rieid | Number | (Dtn/ Yr) | (Dill/Day) | (Dill/Day) | 2019 | III | VIa |
| Narragansett | Dominion GSS-TE | 600045 | 1,376,324 | 14,337 | 6,431 | 1,291,168 | 94% | Tetco/AGT |
| Narragansett | Dominion GSS | 300168 | 154,050 | 1,401 | 720 | 131,974 | %98 | TGP |
| Narragansett | Dominion GSS | 300169 | 206,100 | 2,061 | 963 | 182,874 | %68 | DTI/Tetco/AGT |
| Narragansett | Dominion GSS | 300170 | 490,340 | 5,324 | 2,291 | 433,011 | %88 | DTI/TGP |
| Narragansett | Dominion GSS | 300171 | 188,814 | 2,617 | 882 | 165,251 | %88 | Tetco/AGT |
| Narragansett | Columbia FSS | 9630 | 203,957 | 2,545 | 680 | 182,573 | %06 | TCO/AGT |
| Narragansett | Texas Eastern FSS-1 | 400515 | 56,640 | 944 | 291 | 51,964 | %76 | Tetco/AGT |
| Narragansett | Texas Eastern SS-1 | 400185 | 51,990 | 999 | 267 | 48,756 | 94% | AGT |
| Narragansett | Texas Eastern SS-1 | 400221 | 1,188,033 | 14,137 | 6,107 | 1,060,214 | %68 | AGT |
| Narragansett | Tennessee FS-MA | 62918 | 210,000 | 10,249 | 1,400 | 165,007 | %62 | TGP |
| Narragansett | Tennessee FS-MA | 501 | 605,343 | 10,920 | 4,036 | 549,415 | 91% | TGP |
| | | | | | | | | |

%06

4,262,207

24,069

65,200

4,731,591

Storage Totals

| RHODE ISLAND N February | | <u>PLAN</u> | | | | | | |
|--|---------|-------------|---------|--|--|--|--|--|
| | MIN DAY | AVG DAY | MAX DAY | | | | | |
| *4-Year Historical Sendout | 77,478 | 200,276 | 368,125 | | | | | |
| HDD 8 29 62 | | | | | | | | |
| *All Sales and Transportation customers. No power plants. | | | | | | | | |
| • | | | | | | | | |
| **Forecasted Sendout | 119,901 | 202,638 | 282,860 | | | | | |
| HDD | 17 | 34 | 49 | | | | | |
| **Firm Sales and Transportation customers w/ NGRID Capacity. | | | | | | | | |
| | | | | | | | | |
| Forecasted Firm Transporation | 26,856 | 39,939 | 51,041 | | | | | |
| Forecasted Sales Demand | 93,045 | 162,699 | 231,819 | | | | | |

| Baseload Election - February 2020 Volume per Day (MMBtu) | | | | | | | | | |
|---|---------------|--|--|--|--|--|--|--|--|
| Dawn | 0 | | | | | | | | |
| Longhaul | <u>26,000</u> | | | | | | | | |
| TGP Total | 26,000 | | | | | | | | |
| Longhaul | <u>44,000</u> | | | | | | | | |
| AGT Total | 44,000 | | | | | | | | |
| Grand Total | 70,000 | | | | | | | | |

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| Estima | ted Rhode | Island | Capac | ity Break | cout for F | ebruary 2 | 2020 | | Page 11 of 15 |
|----------------------------------|-------------------|-------------------|--------|------------------|-------------------|------------------|------------|------------------|------------------------------------|
| ALGONQUIN | | | | | | | | | |
| ALGONQUIN | Receipt | Receipt | | | City Gate | Net CG | | Available | |
| Path | Point | Volumes | M2 | M3 | Capacity | Deliveries | Baseload | Swing | |
| Transco Leidy->AGT | Transco | 73 | | 73 | 72 | 72 | 72 | 0 | |
| Millen->Ramapo->AGT | Millennium | 9,069 | | 9,000 | 8,645 | 8,645 | 8,645 | 0 | |
| DTI->TETCO FTS->AGT | Dom SP | 548 | 537 | 528 | 523 | 523 | 523 | 0 | |
| TETCO->AGT | M2 | 27,378 | 27,378 | 26,707 | 26,453 | 26,453 | 26,453 | 0 | |
| Transco Leidy->AGT SCT | Transco | 1,175 | | 1,167 | 1,156 | 1,156 | 1,156 | 0 | |
| TETCO Leidy-Dominion | TET-Leidy | 0 | | 0 | 0 | 0 | 0 | 0 | |
| TCO->AGT | Maumee | 27,892 | | 27,476 | 27,215 | 27,215 | 7,151 | 20,064 | |
| TCO->AGT | Broad Run | 10,151 | | 10,000 | 9,905 | 9,905 | 0 | 9,905 | Spotlight AMA |
| AGT | M3 | 6,298 | | 6,298 | 6,238 | 6,238 | 0 | 6,238 | |
| Ram/Mah -> AGT | M3 | 6,950 | | 6,950 | 6,884 | 6,884 | 0 | 6,884 | |
| TCO->AGT | Eagle | 0 | | 0 | 0 | 0 | 0 | 0 | |
| TCO->AGT | Pennsburg | 0 | | 0 | 0 | 0 | 0 | 0 | |
| RAMAPO->AGT | RAMAPO | 9,739 | | 9,739 | 9,355 | 9,355 | 0 | 9,355 | |
| TETCO -> AGT SCT | M2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TETCO SCT -> AGT SCT | M2 (SCT) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Remaining AGT (SCT) | M3 (SCT) | 3,478 | | 3,478 | 3,445 | 3,445 | 0 | 3,445 | Constallation Cumply |
| AGT Citygate | AGT CG | 14,100 116,851 | | Transport | 13,976 113,867 | 13,976 | 44,000 | 13,976 | Constellation Supply |
| AGT Storage | | 110,001 | | папъроп | 113,007 | 113,867 | 44,000 | 69,867 | |
| | Receipt | In-Hole | | | Storage | | | | |
| Path | Point | WDs | MDWQ | M3 | Capacity | | | | |
| GSS-TE 600045 | DTI GSS-TE | 5,688 | 5,688 | 5,549 | 5,496 | | | | |
| GSS 300169 | DTI GSS | 2,061 | 2,061 | 1,971 | 1,952 | | | | |
| GSS 300171 | DTI GSS | 2,617 | 2,617 | 2,574 | 2,550 | | | | |
| FSS 9630 | TCO FSS | 2,545 | 2,545 | 2,507 | 2,483 | | | | |
| FSS-1 400515 | TETCO FSS1 | 949 | 944 | 924 | 915 | | | | |
| SS-1 400185 | TETCO SS1 | 676 | 665 | 665 | 659 | | | | |
| SS-1 400221 | TETCO SS1 | 14,367 | 14,137 | 14,137 | 14,003 | | | | |
| | | | | Storage Total | 28,058 141,925 | Available | AGT Swing | 69,867 | |
| | | | | Total | 141,020 | / (Valiable / | tor owing | 00,007 | |
| TENNESSEE | | | | | | | | | |
| | Receipt | Receipt | | At | City Gate | Net CG | | Available | |
| Path | Point | Volumes | | TGP Inct | Capacity | Deliveries | Baseload | Swing | |
| TGP ConnXion 4> 6 | Z4 CXN | 11,759 | | | 11,600 | 11,600 | 11,600 | 0 | |
| TGP 4> 6 | Z4 | 19,802 | | | 19,535 | 19,535 | 14,400 | 5,135 | |
| TGP 5> 6 | Niagara | 1,077 | 44.000 | 44704 | 1,067 | 1,067 | 0 | 1,067 | DTE E |
| Union>TrCan>Port->TGP | Dawn | 15,176 | 14,999 | 14,721 | 14,721 | 14,721 | 0 | 14,721 | DTE Energy AMA |
| Union>TrCan>Port->TGP | Dawn | 10,884 | 10,757 | 10,557 | 10,557 | 10,557 | 0 | 10,557 | Emera Energy AMA |
| Union>TrCan>IGT->TGP TGP 6> 6 | Dawn | 1,034 20,000 | 1,022 | 1,010 20,000 | 1,000 | 1,000 | 0 | 1,000 | EDF Trading AMA |
| TGP 6> 6 | Everett Dracut | 20,000 | | 20,000 | 19,958 22,300 | 19,958 22,300 | 0 0 | 19,958 22,300 | Constellation Supply Freepoint AMA |
| TGP 6> 6 | Everett | 5,000 | | 5,000 | 4,990 | 4,990 | 0 | 4,990 | Constellation Supply |
| TGP 6> 6 | Everett | 5,000 | | 3,000 | 4,990 52 | 4,990 52 | 0 | 4,990 52 | Constellation Supply |
| TGP 6> 6 | Dracut | 431 | | | 431 | 431 | 0 | 431 | |
| 101 0 7 0 | Bracat | 107,515 | | Transport | 106,211 | 106,211 | 26,000 | 80,211 | |
| TGP Storage | | | | | · | , | ., | , | |
| 5 | Receipt | In-Hole | | | Storage | | | | |
| Path | Point | WDs | MDWQ | | Capacity | | | | |
| GSS 300168 | DTI GSS | 1,401 | 1,401 | | 1,382 | | | | |
| GSS 300170 | DTI GSS | 5,324 | 5,324 | | 5,150 | | | | |
| FSMA 62918 | TGP FSMA | 10,249 | 10,249 | | 10,111 | | | | |
| FSMA 501 | TGP FSMA | 10,920 | 10,920 | Storage | 10,773 10,836 | | | | |
| | | | | Total | 117,047 | Available - | ΓGP Swing | 80,211 | |
| | | | | i Utal | 117,047 | Available | . Or Owing | 00,211 | 1 |

| February 2020 | | | | | | | | |
|----------------|---------------------|----------|---------------------|-----------|-----------|---------------|------|---------------|
| | | | Storage Capacity | Current | Current | Balance as of | | |
| | | Contract | Quantity | MDWQ | MDIQ | January 19 | % | M/D |
| Company | Field | Number | (Dth/Yr) | (Dth/Day) | (Dth/Day) | 2020 | Full | via |
| Narragansett | Dominion GSS-TE | 600045 | 1,376,324 | 14,337 | 6,431 | 1,224,799 | %68 | Tetco/AGT |
| Narragansett | Dominion GSS | 300168 | 154,050 | 1,401 | 720 | 115,584 | 75% | TGP |
| Narragansett | Dominion GSS | 300169 | 206,100 | 2,061 | 896 | 165,472 | %08 | DTI/Tetco/AGT |
| Narragansett | Dominion GSS | 300170 | 490,340 | 5,324 | 2,291 | 379,622 | %22 | DTI/TGP |
| Narragansett | Dominion GSS | 300171 | 188,814 | 2,617 | 882 | 144,308 | %92 | Tetco/AGT |
| Narragansett | Columbia FSS | 0896 | 203,957 | 2,545 | 816 | 152,192 | 75% | TCO/AGT |
| Narragansett - | Texas Eastern FSS-1 | 400515 | 56,640 | 944 | 291 | 48,210 | 82% | Tetco/AGT |
| Narragansett - | Texas Eastern SS-1 | 400185 | 51,990 | 999 | 267 | 46,167 | 86% | AGT |
| Narragansett - | Texas Eastern SS-1 | 400221 | 1,188,033 | 14,137 | 6,107 | 1,030,518 | 87% | AGT |
| Narragansett - | Tennessee FS-MA | 62918 | 210,000 | 10,249 | 1,400 | 182,435 | 87% | TGP |
| Narragansett - | Tennessee FS-MA | 501 | 605,343 | 10,920 | 4,036 | 531,533 | 88% | TGP |

85%

4,020,840

24,205

65,200

4,731,591

Storage Totals

| RHODE ISLAND N March | | <u>PLAN</u> | |
|--|---------|-------------|---------|
| | MIN DAY | AVG DAY | MAX DAY |
| *4-Year Historical Sendout | 72,422 | 180,254 | 304,852 |
| HDD | 2 | 26 | 48 |
| *All Sales and Transportation customers. No power plants. | | | |
| | | | |
| **Forecasted Sendout | 94,634 | 153,272 | 230,080 |
| HDD | 14 | 26 | 39 |
| **Firm Sales and Transportation customers w/ NGRID Capacity. | | | |
| | | | |
| Forecasted Firm Transporation | 21,872 | 32,437 | 44,515 |
| Forecasted Sales Demand | 72,762 | 120,835 | 185,565 |

| Baseload Election Volume per Da | |
|---------------------------------|---------------|
| Dawn | 0 |
| Longhaul | <u>22,000</u> |
| TGP Total | 22,000 |
| Longhaul | <u>35,000</u> |
| AGT Total | 35,000 |
| Grand Total | 57,000 |

Page 14 of 15

| Path | Estim | ated Rhoc | le Island | d Capa | city Brea | akout for | March 20 | 20 | | Page 14 of 15 |
|--|-----------------------|------------|-----------|--------|-----------|-----------|-------------|-----------|-----------|----------------------|
| Path | AL GONOLIIN | | | | | | | | | |
| Path | ALGUNQUIN | Receipt | Doggint | ı | | City Coto | Not CC | 1 | Avoilable | |
| Transco Leidy-AGT | Poth | | | Mo | Ma | | | Pacaload | | |
| DTI-STETCO FTS-AGT | | | | IVIZ | | | | | | 1 |
| TCO-AGT Maumes 27,818 | - | | | F27 | | | | | | |
| TETCO-AGT | | | | 557 | | | | | | |
| TCO-AGT | | | | 27 270 | | | | | - | |
| Millennium | | | | 21,310 | | | | | | Cnotlight AMA |
| AGT Ram/Mah → AGT TCO → AGT TCO → AGT Eagle 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | Spotlight AlviA |
| RamMah - AGT | | | | | | | | | | |
| TCO->AGT Eagle 0 | | | | | | | | | | |
| TCO->AGT Pennsburg O | | | | | | | | | | |
| RAMAPO->AGT ST | | _ | | | | | | | | |
| Transco Leidy->AGT SCT Maj (SCT) AGT CG 14,100 1,166 3,478 3,478 3,445 3,445 0 3,445 3, | | | | | | - | | | | |
| Remaining AGT (SCT) | | | | | | | | | | |
| AGT Citygate | - | | | | | | | | | |
| Transport 113,855 113,855 35,000 78,855 78,85 | · ' ' | | | | ა,4/ბ | | | | | Constallation Supply |
| Path | AGT Citygate | AGTCG | | | Transport | | | | | Constellation Supply |
| Path | AGT Storage | | 116,839 | | rransport | 113,855 | 113,855 | 35,000 | 78,833 | |
| GSS-TE 600045 DTI GSS | | Receipt | In-Hole | | | Storage | | | | 1 |
| CSS 300169 | | Point | WDs | MDWQ | M3 | Capacity | | | | |
| SS 300171 | GSS-TE 600045 | DTI GSS-TE | 5,684 | 5,684 | 5,549 | 5,496 | | | | |
| FSS 9630 | GSS 300169 | DTI GSS | 2,061 | 2,061 | 1,987 | 1,968 | | | | |
| FSS-1 400155 SS-1 400185 TETCO SS1 FTCO | GSS 300171 | DTI GSS | 2,617 | 2,617 | 2,574 | 2,550 | | | | |
| SS-1 400185 TETCO SS1 676 665 665 665 659 14,367 14,137 14,137 14,003 14,003 78,855 | FSS 9630 | TCO FSS | 2,545 | 2,545 | 2,507 | 2,483 | | | | |
| SS-1 400221 TETCO SS1 14,367 14,137 14,137 14,003 28,074 Total 141,929 Available AGT Swing 78,855 | FSS-1 400515 | TETCO FSS1 | 949 | 944 | 924 | 915 | | | | |
| Storage Total 141,929 Available AGT Swing 78,855 | SS-1 400185 | TETCO SS1 | 676 | 665 | 665 | 659 | | | | |
| Total 141,929 Available AGT Swing 78,855 | SS-1 400221 | TETCO SS1 | 14,367 | 14,137 | 14,137 | | | | | |
| Receipt | | | | | | | | | | |
| Path Receipt Point Receipt Volumes At TGP Inct City Gate Capacity Net CG Deliveries Baseload Available Swing TGP ConnXion 4 → 6 TGP 5 → 6 TGP 5 → 6 TGP 5 → 6 Niagara 1,077 24 19,702 TGP 5 → 6 Niagara 1,077 11,600 19,436 10,400 9,036 10,400 9,036 10,607 1,067 0 1,067 0 1,067 0 1,067 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 1,067 0 10,591 | | | | | Total | 141,929 | Available / | AGT Swing | 78,855 | |
| Path | TENNESSEE | | | | | | | | | |
| TGP ConnXion 4> 6 Z4 CXN 11,759 11,600 11,600 11,600 9,036 TGP 4> 6 Z4 19,702 19,436 19,436 10,400 9,036 TGP 5> 6 Niagara 1,077 1,067 1,067 0 1,067 Union>TrCan>Port->TGP Dawn 15,171 14,999 14,768 14,768 0 14,768 DTE Energy AMA Union>TrCan>Port->TGP Dawn 10,880 10,757 10,591 10,591 0 10,591 Emera Energy AMA Union>TrCan>IGT->TGP Dawn 1,034 1,022 1,009 999 999 0 999 EDF Trading AMA TGP 6> 6 Everett 20,000 19,958 19,958 0 19,958 Constellation Supply TGP 6> 6 Everett 5,000 5,000 4,990 4,990 0 4,990 Constellation Supply TGP 6> 6 Dracut 354 354 0 354 0 354 GSS 300168 | | Receipt | Receipt | | At | City Gate | Net CG | | Available | |
| TGP 4> 6 TGP 5> 6 Z4 Niagara 19,702 1,077 19,436 1,067 19,436 1,067 10,400 1,067 9,036 1,067 10,670 1,067 DTE Energy AMA Union>TrCan>Port->TGP Union>TrCan>Port->TGP Dawn 10,880 10,757 10,591 10,591 10,591 10,591 10,591 10,591 0 10,591 10,591 10,591 0 10,591 10,591 10,591 0 10,591 10,591 10,591 0 10,591 0 10,591 0 10,591 0 10,591 0 10,591 0 10,591 < | Path | Point | Volumes | | TGP Inct | Capacity | Deliveries | Baseload | Swing | |
| TGP 5 -> 6 | TGP ConnXion 4> 6 | Z4 CXN | 11,759 | | | 11,600 | 11,600 | 11,600 | 0 | |
| Union>TrCan>Port->TGP | TGP 4> 6 | Z4 | 19,702 | | | 19,436 | 19,436 | 10,400 | 9,036 | |
| Union>TrCan>Port->TGP Dawn 10,880 10,757 10,591 10,591 10,591 0 10,591 999 999 0 999 EDF Trading AMA 10,767 10,000 | TGP 5> 6 | Niagara | 1,077 | | | 1,067 | 1,067 | 0 | 1,067 | |
| Union>TrCan>IGT->TGP Dawn 1,034 1,022 1,009 999 999 0 999 EDF Trading AMA TGP 6> 6 Everett 20,000 20,000 19,958 19,958 0 19,958 Constellation Supply TGP 6> 6 Dracut 22,300 22,300 22,300 0 22,300 Freepoint AMA TGP 6> 6 Everett 52 52 52 0 52 TGP 6> 6 Dracut 354 Transport 106,115 106,115 22,000 84,115 TGP Storage Path Point WDs MDWQ Capacity Storage Capacity Storage Capacity Storage S | Union>TrCan>Port->TGP | Dawn | 15,171 | | | | | 0 | | |
| TGP 6> 6 | | | | | | | | 0 | | |
| TGP 6> 6 | | | | 1,022 | | | | | | |
| TGP 6> 6 | | | | | 20,000 | | | | | |
| TGP 6> 6 | | Dracut | | | | | | | | |
| TGP 6> 6 Dracut 354 354 354 0 354 TGP Storage Receipt Point WDs MDWQ GSS 300168 DTI GSS 1,401 1,401 1,382 GSS 300170 DTI GSS 5,324 5,324 5,324 FSMA 62918 TGP FSMA 10,249 10,249 10,773 Storage 10,836 Storage 10,836 | | Everett | | | 5,000 | | | 0 | - | Constellation Supply |
| TGP Storage Receipt In-Hole Point WDs MDWQ Capacity | | Everett | | | | | | 0 | | |
| TGP Storage Path Point WDs MDWQ Capacity GSS 300168 DTI GSS 1,401 1,401 1,382 GSS 300170 DTI GSS 5,324 5,324 5,150 FSMA 62918 TGP FSMA 10,249 10,249 10,111 FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 | TGP 6> 6 | Dracut | | | | | | | | |
| Path Receipt Point In-Hole WDs MDWQ Capacity GSS 300168 DTI GSS 1,401 1,401 1,382 1,382 5,150 GSS 300170 DTI GSS 5,324 5,324 5,324 5,150 5,150 FSMA 62918 TGP FSMA 10,249 10,249 10,111 10,773 10,773 Storage 10,836 | TGP Storage | | 107,329 | | Transport | 106,115 | 106,115 | 22,000 | 84,115 | |
| Path Point WDs MDWQ Capacity GSS 300168 DTI GSS 1,401 1,401 GSS 300170 DTI GSS 5,324 5,324 FSMA 62918 TGP FSMA 10,249 10,249 FSMA 501 TGP FSMA 10,920 10,920 Storage 10,836 | . J. Jiorago | Receipt | In-Hole | | | Storage | | | | i |
| GSS 300168 DTI GSS 1,401 1,401 1,382 GSS 300170 DTI GSS 5,324 5,324 5,150 FSMA 62918 TGP FSMA 10,249 10,249 10,111 FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 | Path | | | MDWQ | | | | | | |
| GSS 300170 DTI GSS 5,324 5,324 5,150 FSMA 62918 TGP FSMA 10,249 10,249 10,111 FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 | | | | | | | | | | |
| FSMA 62918 TGP FSMA 10,249 10,249 10,111 FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 | | | | | | | | | | |
| FSMA 501 TGP FSMA 10,920 10,920 10,773 Storage 10,836 | | | | | | | | | | |
| Storage 10,836 | | | | | | | | | | |
| | | | | | Storage | | | | | |
| | | | | | Total | 116,951 | Available 7 | TGP Swing | 84,115 | |

March 2020

| | | | Storage | | | | | |
|--------------|---------------------|----------|-----------|-----------|-----------|---------------|------|---------------|
| | | | Capacity | Current | Current | Balance as of | | |
| | | Contract | Quantity | MDWQ | MDIQ | February 16 | % | M/D |
| Company | Field | Number | (Dth/Yr) | (Dth/Day) | (Dth/Day) | 2020 | Full | via |
| | | | | | | | | |
| Narragansett | Dominion GSS-TE | 600045 | 1,376,324 | 14,337 | 6,431 | 1,119,025 | 81% | Tetco/AGT |
| Narragansett | Dominion GSS | 300168 | 154,050 | 1,401 | 720 | 89,048 | %89 | TGP |
| Narragansett | Dominion GSS | 300169 | 206,100 | 2,061 | 896 | 144,251 | %02 | DTI/Tetco/AGT |
| Narragansett | Dominion GSS | 300170 | 490,340 | 5,324 | 2,291 | 325,971 | %99 | DTI/TGP |
| Narragansett | Dominion GSS | 300171 | 188,814 | 2,617 | 885 | 121,619 | %49 | Tetco/AGT |
| Narragansett | Columbia FSS | 0896 | 203,957 | 2,545 | 816 | 121,652 | %09 | TCO/AGT |
| Narragansett | Texas Eastern FSS-1 | 400515 | 56,640 | 776 | 291 | 43,661 | %22 | Tetco/AGT |
| Narragansett | Texas Eastern SS-1 | 400185 | 51,990 | 599 | 797 | 44,324 | %58 | AGT |
| Narragansett | Texas Eastern SS-1 | 400221 | 1,188,033 | 14,137 | 6,107 | 970,174 | %78 | AGT |
| Narragansett | Tennessee FS-MA | 62918 | 210,000 | 10,249 | 1,400 | 165,207 | %62 | TGP |
| Narragansett | Tennessee FS-MA | 501 | 605,343 | 10,920 | 4,036 | 538,093 | %68 | TGP |

78%

3,683,025

24,205

65,200

4,731,591

Storage Totals

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-9

Request:

Please identify the current Company fuel allowance percentage assessed to transportation customers for company-use and lost-and-unaccounted-for gas and explain how the charge is determined and when it is updated. Please explain whether any transportation customers receive a discount to the generally applicable Company fuel allowance.

Response:

The Company's current fuel allowance percentage is 3.02%, and is available on its external website.¹ This percentage is updated annually on November 1 by comparing the Company's aggregated wholesale throughput at its city gates to the aggregated retail throughput at its customers' meters for the 12-month period September through August. The Company then averages the most recent five years of fuel allowance percentages to calculate the fuel allowance to be applied in the upcoming GCR year (November – October).

The Company does not assess the Company fuel allowance to transportation customers directly but instead assesses the fuel allowance percentage on marketer nominations at the Company's citygate, with the 'net' volume delivered to transportation customers' service locations. There are no discounts to the generally applicable Company fuel allowance provided to marketers, and the Company is not aware of how marketers pass on the cost of the allowance to their customers.

¹ https://www.nationalgridus.com/media/pdfs/billing-payments/rigas_firm_rates.pdf

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-10

Request:

Please update the response to DIV 1-15 in Docket No. 4963 as applicable.

Response:

Please see Attachment DIV 1-10.

| Contract | Pipeline | Primary Point | Platts Index - Primary Location | Additional Index |
|----------|------------|------------------------------|---------------------------------|--|
| 9001 | ALGONQUIN | Hanover-TCO | Texas Eastern - M3 | |
| 90106 | ALGONQUIN | Hanover-TCO | Texas Eastern - M3 | |
| 90106 | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 90106 | ALGONQUIN | Centerville | Texas Eastern - M3 | |
| 90107 | ALGONQUIN | Hanover-TCO | Texas Eastern - M3 | |
| 933005 | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 93001ESC | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 93001ESC | ALGONQUIN | Hanover-Tetco | Texas Eastern - M3 | |
| 93011E | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 93011E | ALGONQUIN | Hanover-Tetco | Texas Eastern - M3 | |
| 93401S | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 96004SC | ALGONQUIN | Centerville | Texas Eastern - M3 | |
| 96004SC | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 9B105 | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 9S100S | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 9W009E | ALGONQUIN | Lambertville | Texas Eastern - M3 | |
| 9W009E | ALGONQUIN | Hanover-Tetco | Texas Eastern - M3 | |
| 510801 | ALGONQUIN | Ramapo | Texas Eastern - M3 | |
| 510985 | ALGONQUIN | G-12 System | No Index | |
| 31520 | COLUMBIA | Pennsburg | Columbia Gas, Appalachia | ICE Columbia Gas, A04 Pool |
| 31522 | COLUMBIA | Eagle | Columbia Gas, Appalachia | ICE Columbia Gas, A04 Pool |
| 31523 | COLUMBIA | Broad Run | Columbia Gas, Appalachia | ICE Columbia Gas, A04 Pool |
| 31524 | COLUMBIA | Maumee | Columbia Gas, Appalachia | ICE Columbia Gas, A04 Pool, ICE Columbia Gas, A06 Pool |
| 9631 | COLUMBIA | TCO Storage Point | No Index | |
| 100118 | DOMINION | Tetco - Oakford | Texas Eastern - M2, receipts | |
| 100118 | DOMINION | Title Transfer Point - South | Dominion, South Point | |
| 100118 | DOMINION | DETI STRG Point | No Index | |
| 700086 | DOMINION | DETI STRG Point | No Index | |
| 700087 | DOMINION | DETI STRG Point | No Index | |
| 700087 | DOMINION | Title Transfer Point - South | Dominion, South Point | |
| 700087 | DOMINION | Title Transfer Point - North | Dominion, North Point | |
| 50001 | IROQUOIS | Waddington | Iroquois, receipts | |
| 210165 | MILLENNIUM | Corning | No Index | Millennium, East receipts |
| 210203 | PORTLAND | Pittsburg (East Hereford) | No Platts Index | ICE PNGTS |
| 225805 | PORTLAND | Pittsburg (East Hereford) | No Platts Index | ICE PNGTS |
| 10807 | TENNESSEE | Ellisburg | No Index | Tennessee, zone 4 - 313 Pool |
| 10807 | TENNESSEE | Northern Storage | No Index | Tennessee, zone 4 - 313 Pool |

| Contract | Pipeline | Primary Point | Platts Index - Primary Location | Additional Index |
|----------|-----------|----------------------|---------------------------------|------------------------------------|
| 39173 | TENNESSEE | TC - Niagara | Niagara | |
| 1597 | TENNESSEE | Zone 0 South | Tennessee, Zone 0 | Tennessee, zone 4 - 200 Leg |
| 1597 | TENNESSEE | Zone 0 North | Tennessee, Zone 0 | Tennessee, zone 4 - 200 Leg |
| 1597 | TENNESSEE | Zone 1 100 Leg | Tennessee, Zone 1 | Tennessee, zone 4 - 200 Leg |
| 1597 | TENNESSEE | Zone L 500L | Tennessee, Louisiana, 500 Leg | Tennessee, zone 4 - 200 Leg |
| 1597 | TENNESSEE | Zone L 800L | Tennessee, Louisiana, 800 Leg | Tennessee, zone 4 - 200 Leg |
| 62930 | TENNESSEE | Dracut | Dracut, Mass. | Tennessee, Zone 6, delivered North |
| 64025 | TENNESSEE | Zone 0 South | Tennessee, Zone 0 | Tennessee, zone 4 - 200 Leg |
| 64026 | TENNESSEE | Zone 0 South | Tennessee, Zone 0 | Tennessee, zone 4 - 200 Leg |
| 95345 | TENNESSEE | IGT - Wright | Iroquois, zone 1 | |
| 330580 | TENNESSEE | Distrigas | No Index | Tennessee, Zone 6, delivered North |
| 330580 | TENNESSEE | Dracut | Dracut, Mass. | Tennessee, Zone 6, delivered North |
| 330581 | TENNESSEE | Distrigas | No Index | Tennessee, Zone 6, delivered North |
| 349449 | TENNESSEE | Dracut | Dracut, Mass. | Tennessee, Zone 6, delivered North |
| 2943 | TENNESSEE | LMS-MA | No Index | |
| 330844 | TETCO | DTI - Leidy | Texas Eastern - M3 | |
| 330845 | TETCO | DTI - Leidy | Texas Eastern - M3 | |
| 330867 | TETCO | Chambersburg | Texas Eastern - M3 | |
| 330867 | TETCO | Lambertville | Texas Eastern - M3 | |
| 330870 | TETCO | Chambersburg | Texas Eastern - M3 | |
| 330870 | TETCO | Lambertville | Texas Eastern - M3 | |
| 330907 | TETCO | Chambersburg | Texas Eastern - M3 | |
| 330907 | TETCO | Lambertville | Texas Eastern - M3 | |
| 331722 | TETCO | Hanover-Tetco | Texas Eastern - M3 | |
| 331722 | TETCO | Lambertville | Texas Eastern - M3 | |
| 331722 | TETCO | DTI - Oakford | Texas Eastern - M2, receipts | |
| 331801 | TETCO | Hanover-Tetco | Texas Eastern - M3 | |
| 331801 | TETCO | Lambertville | Texas Eastern - M3 | |
| 331801 | TETCO | DTI - Waynesburg | Texas Eastern - M2, receipts | |
| 331801 | TETCO | DTI - Somerset | Texas Eastern - M2, receipts | |
| 331801 | TETCO | DTI - Oakford | Texas Eastern - M2, receipts | |
| 331801 | TETCO | DTI - Leidy | Texas Eastern - M3 | |
| 331802 | TETCO | Hanover-Tetco | Texas Eastern - M3 | |
| 331802 | TETCO | Lambertville | Texas Eastern - M3 | |
| 331802 | TETCO | DTI - Waynesburg | Texas Eastern - M2, receipts | |
| 331802 | TETCO | DTI - Somerset | Texas Eastern - M2, receipts | |
| 331802 | TETCO | DTI - Oakford | Texas Eastern - M2, receipts | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-10 Page 3 of 3

| Contract | Pipeline | Primary Point | Platts Index - Primary Location | Additional Index |
|----------|-------------|-------------------------|---------------------------------|---|
| 331802 | TETCO | DTI - Leidy | Texas Eastern - M3 | |
| 331819 | TETCO | DTI - Oakford | Texas Eastern - M2, receipts | |
| 331819 | TETCO | Lambertville | Texas Eastern - M3 | |
| 331819 | TETCO | Hanover-Tetco | Texas Eastern - M3 | |
| 800156 | TETCO | No location | | Texas Eastern - M2, receipts, STX, ELA, ETX, WLA, M1 30 in. |
| 800303 | TETCO | No location | | Texas Eastern - M2, receipts, STX, ELA, ETX, WLA, M1 30 in. |
| 800440 | TETCO | No Location | | |
| 42386 | TRANSCANADA | Union Parkway | | |
| 58577 | TRANSCANADA | Union Parkway | | |
| 9081767 | TRANSCO | Wharton - National Fuel | Transco, Leidy Line receipt | |
| M12164 | UNION | Parkway | | |
| M12274 | UNION | Dawn - TCPL | Dawn, Ontario | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests
Issued on August 19, 2020

Division 1-11

Request:

Please provide a first-of-the month index price for the period April 2019 through July 2020 for each pipeline point location the Company purchased gas at any time during the period April 2019 through July 2020.

Response:

Please see the Excel spreadsheet attached as Attachment Division 1-11 for the requested first-of-the-month index prices.

| | Pipeline | Location | Price |
|--------|-----------|-------------|----------------------|
| | Transco | Leidy | \$ 2.420 |
| A 10 | Tetco | M2 | \$ 2.400 |
| Apr-19 | MPL | East Pool | \$ 2.380 |
| | Tennessee | Sta 219 | \$ 2.530 |
| | Transco | Leidy | \$ 2.040 |
| | Tetco | M2 | \$ 2.110 |
| May-19 | MPL | East Pool | \$ 1.970 |
| | Tennessee | Sta 219 | \$ 2.300 |
| | Transco | Leidy | \$ 2.170 |
| 1 . 10 | Tetco | M2 | \$ 2.150 |
| Jun-19 | MPL | East Pool | \$ 2.130 |
| | Tennessee | Sta 219 | \$ 2.320 |
| | Transco | Leidy | \$ 1.910 |
| 1.1.40 | Tetco | M2 | \$ 1.900 |
| Jul-19 | MPL | East Pool | \$ 1.860 |
| | Tennessee | Sta 219 | \$ 2.000 |
| | Transco | Leidy | \$ 1.720 |
| A 10 | Tetco | M2 | \$ 1.790 |
| Aug-19 | MPL | East Pool | \$ 1.650 |
| | Tennessee | Sta 219 | \$ 1.870 |
| | Transco | Leidy | \$ 1.610 |
| Con 10 | Tetco | M2 | \$ 1.560 |
| Sep-19 | MPL | East Pool | \$ 1.520 |
| | Tennessee | Sta 219 | \$ 1.840 |
| | Transco | Leidy | \$ 1.330 |
| Oct-19 | Tetco | M2 | \$ 1.330 |
| | Tennessee | Sta 219 | \$ 1.890 |
| | Transco | Leidy | \$ 2.030 |
| Nov-19 | Tetco | M2 | \$ 1.900 |
| | Tennessee | Sta 219 | \$ 2.350 |
| | Tetco | M2 | \$ 2.350 \$ 2.040 |
| Doc 10 | MPL | East Pool | \$ 2.050 |
| Dec-19 | TCO | Pool | \$ 2.130 |
| | Tennessee | Sta 219 | \$ 2.320 |
| | Transco | Leidy | \$ 1.750 |
| | Tetco | M2 | \$ 1.740 |
| | MPL | East Pool | \$ 1.760 |
| Jan-20 | TCO | Pool | \$ 1.820 |
| | Tennessee | Sta 219 | \$ 1.990 |
| | Tetco | M3 | \$ 3.350 |
| | Algonquin | Ramapo | \$ 3.350 |
| | Transco | Leidy | \$ 1.490 |
| | Dominion | South Point | \$ 1.460 |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-11 Page 2 of 2

| - | | | |
|--------|-----------|-------------|----------|
| Feb-20 | Tetco | M2 | \$ 1.460 |
| | TCO | Pool | \$ 1.530 |
| | Tennessee | Sta 219 | \$ 1.670 |
| | Transco | Leidy | \$ 1.460 |
| | Dominion | South Point | \$ 1.460 |
| Mar-20 | Tetco | M2 | \$ 1.450 |
| | TCO | Pool | \$ 1.550 |
| | Tennessee | Sta 219 | \$ 1.620 |
| | Transco | Leidy | \$ 1.180 |
| Apr-20 | Tetco | M2 | \$ 1.170 |
| | Tennessee | Sta 219 | \$ 1.390 |
| | Transco | Leidy | \$ 1.410 |
| May-20 | Tetco | M2 | \$ 1.420 |
| | Tennessee | Sta 219 | \$ 1.610 |
| | Transco | Leidy | \$ 1.200 |
| Jun-20 | Tetco | M2 | \$ 1.240 |
| | Tennessee | Sta 219 | \$ 1.430 |
| | Transco | Leidy | \$ 1.150 |
| Jul-20 | Tetco | M2 | \$ 1.120 |
| | Tennessee | Sta 219 | \$ 1.270 |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-12

Request:

For the 12-month period April 2019 through July 2020, please provide:

- a. A monthly history of storage injections and withdrawals for each of the Company's LNG facilities (including temporary/portable facilities);
- b. Applicable injection and withdrawal prices; and
- c. End-of-month storage inventory balances.

Response:

Please see the Excel sheet attached as Attachment DIV 1-12 for the requested information.

| | | | | | | | | | 1 | | | | | | | | | | |
|----------------|--|---|-------------------------------|------------------------------|------------------------------|----------------------------|---------------------------------|---------------------------|-------------------|-------------------|-----------------------------|-------|---|--|---|----------------------------|--------------------------------------|---------------------------------------|---|
| Date Apr-19 | Inject price Withdraw price | Storage Field | Storage Category | VOLUME Opening balance | INJECT Adjustments NFT | Injection Trucking | WITHDR Withdrawal Roiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | VOLUME Ending balance | | \$ AMOUNT Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | \$ AMOUNT Ending Balance |
| | \$ - \$ - \$ 6.639 \$ 5.106 | CUMBERLAND EXETER | Market Market | 0 184,109 | 0 189 | 0 6.757 | 0 3,307 | 0 0 | 0.0 0.0 | 0.0 0.0 | 0 187,748 | | \$0.00 \$924,316.19 | (\$0.00) \$18,653.77 | \$0.00 \$ \$21.081.84 \$ | 6,380.64 | \$0.00 \$16.886.97 | \$0.00 \$0.00 | \$0.00 \$953,545.46 |
| | \$ (83.515) \$ 5.106 \$ 4.067 \$ 5.106 | PROVIDENCE Total LNG | Market | 550,465 734,574 | | 6,757.0 | 12,707 | 1,039 1,039.0 | 0.0 | 0.0 | 536,923 | | \$2,834,168.52 \$3,758,484,71 | (\$16,642.97) \$2,010.80 | \$0.00 \$ \$21,081.84 | (394.15) \$5,986.49 | \$64,887.44 \$81,774.42 | \$5,305.58 \$5,305.58 | \$2,746,938.38 \$3,700,483.84 |
| | | | | , | | 2,12112 | 10,01110 | ,,,,,,,,,, | | | 12.401.110 | | *************************************** | 42,010.00 | V 2.,20.10. | V 2,020.10 | + 23,53 m.2 | 70,00000 | 4 2,722,722.22 |
| May-19 | | Storage Field | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | #DIV/0! #DIV/0! \$ (6.687) \$ 5.027 | CUMBERLAND EXETER | Market Market | 0 187,748 | 0 (439) | 0 | 0 3,200 | 0 | 0.0 0.0 | 0.0 0.0 | 0 184,109 | | \$0.00 \$953,545.46 | (\$0.00) \$2,935.38 | \$0.00 \$ \$0.00 \$ | | \$0.00 \$16,086.30 | \$0.00 \$0.00 | \$0.00 \$940,394.54 |
| | \$ 3.711 \$ 5.027 \$ 3.807 \$ 5.027 | PROVIDENCE Total LNG | Market | 536,923 724,671 | 280 (159.0) | 47,379 47,379.0 | 16,274 19,474.0 | 0.0 | 0.0 | 0.0 | 568,308 752,417.0 | | \$2,746,938.38 \$3,700,483.84 | (\$3,747.30) (\$811.92) | \$139,815.43 \$ \$139,815.43 | 40,784.75 \$40,784.75 | \$81,808.89 \$97,895.19 | \$0.00 \$0.00 | \$2,841,982.37 \$3,782,376.91 |
| | | | | 0.0 | | | | | | | | | \$0.00 | | | | | | |
| Jun-19 | #DIV/0! #DIV/0! | Storage Field CUMBERLAND | Storage Category Market | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff \$0.00 | Withdrawal Vapor \$0.00 | Ending Balance |
| | \$ 2.419 \$ 5.013 \$ 483.284 \$ 5.013 | EXETER PROVIDENCE | Market Market | 184,109 568,308 | 104 | 9,406 | 3,445 12,341 | 0 | 0.0 | 0.0 | 190,174 555,997 | : : | \$940,394.54 \$2,841,982,37 | (\$0.00) (\$14,361.51) \$15.035.12 | \$28,481.37 \$ \$0.00 \$ | 8,882.09 (536.61) | \$17,270.63 \$61.868.46 | \$0.00 \$0.00 \$0.00 | \$946,125.86 \$2,794,612,42 |
| | \$ 3.931 \$ 5.013 | Total LNG | Widiket | 752,417 | 134.0 | 9,406.0 | 15,786.0 | 0.0 | 0.0 | 0.0 | 746,171.0 | (0) | \$3,782,376.91 \$0.00 | \$673.61 | \$28,481.37 | \$8,345.48 | \$79,139.09 | \$0.00 | \$3,740,738.28 |
| Jul-19 | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | Opening | | | Trucking | Withdrawal | Withdrawal | Ending |
| | #DIV/0! #DIV/0! | Field CUMBERLAND | Category Market | balance 0 | NET 0 | Trucking 0 | Boiloff 0 | Vapor 0 | Transfer 0.0 | Usage 0.0 | balance 0 | | Balance \$0.00 | Adjustments (\$0.00) | Injections \$0.00 \$ | | Boiloff \$0.00 | Vapor \$0.00 | Balance \$0.00 |
| | \$ 5.168 \$ 4.999 \$ 0.213 \$ 4.999 | EXETER PROVIDENCE | Market Market | 190,174 555,997 | (63) (272) | 4,578 2,657 | 3,545 11,907 | 0 0 | 0.0 0.0 | 0.0 0.0 | 191,144 546,475 | : : | \$946,125.86 \$2,794,612.42 | \$6,947.22 (\$8,626.66) | \$12,063.03 \$ \$7,001.20 \$ | 2,132.67 | \$17,721.35 \$59,522.73 | \$0.00 \$0.00 | \$951,737.77 \$2,735,596.90 |
| | \$ 3.455 \$ 4.999 | Total LNG | | 746,171 0.0 | (335.0) | 7,235.0 | 15,452.0 | 0.0 | 0.0 | 0.0 | 737,619.0 | (0) | \$3,740,738.28 \$0.00 | (\$1,679.44) | \$19,064.23 | \$6,455.68 | \$77,244.07 | \$0.00 | \$3,687,334.67 |
| A 10 | | Storage Field | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening Balance | Adiustments | Injections | Trucking | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | \$ 3.061 \$ 4.910 \$ 4.508 \$ 4.910 | CUMBERLAND EXETER | Market Market | 0 191 144 | (61) 37 | 894 3.451 | 0 3.488 | Vapor 833 0 | 0.0 | 0.0 0.0 | 0 191,144 | (0) - | \$0.00 \$951 737 77 | Adjustments (\$304.94) \$3.970.16 | \$2,201.03 \$ \$8,496.36 \$ | | \$0.00 \$17 126 22 | \$4,090.06 \$0.00 | (\$1,540.01) \$950.336.86 |
| | \$ 3.240 \$ 4.910 \$ 3.342 \$ 4.910 | PROVIDENCE Total LNG | Market | 546,475 737,619 | 888 | 36,626 40.971.0 | 12,935 16,423.0 | 833.0 | 0.0 | 0.0 | 571,054 | (0) | \$2,735,596.90 \$3,687,334.67 | \$653.89 \$4.319.11 | \$90,173.21 \$ \$100,870.60 | 30,712.30 \$34.625.04 | \$63,511.35 \$80,637.57 | \$0.00 \$0.00 \$4,090.06 | \$2,793,624.94 \$3,742,421.79 |
| | 3.342 3 4.310 | Total ENG | | 0.0 | 004.0 | 40,371.0 | 10,423.0 | 033.0 | 0.0 | 0.0 | 702,130.0 | (0) | \$0.00 | \$4,515.11 | \$100,070.00 | \$34,023.04 | 400,037.37 | \$4,030.00 | \$3,142,421.73 |
| Sep-19 | | Storage Field | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | #DIV/0! #DIV/0! \$ 1.687 \$ 4.898 | CUMBERLAND EXETER | Market Market | 0 191,144 | 0 (264) | 0 6,857 | 0 3,682 | 0 | 0.0 | 0.0 0.0 | 0 194,055 | (0) - | (\$1,540.01) | \$1,540.01 (\$13,108.64) | \$0.00 \$ \$17,752.77 \$ | 6.475.07 | \$0.00 \$18,033.87 | \$0.00 \$0.00 | \$0.00 \$943,422.18 |
| | \$ 61.396 \$ 4.898 \$ 3.526 \$ 4.898 | PROVIDENCE Total LNG | Market | 571,054 762,198 | 183 (81.0) | 6,8 57.0 | 9,920 13,602.0 | 0.0 | 0.0 | 0.0 | 561,317 755,372.0 | (0) | \$2,793,624.94 \$3,742,421.79 | \$11,170.92 (\$397.71) | \$0.00 \$ \$17,752.77 | 64.57 \$6,539.63 | \$48,586.64 \$66,620.51 | \$0.00 \$0.00 | \$2,756,273.80 \$3,699,695.98 |
| | | | | 0.0 | | | | | | | | | \$0.00 | | | | | | |
| Oct-19 | | Storage Field CUMBERLAND | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | #DIV/0! #DIV/0! \$ (14.848) \$ 4.874 \$ 3.423 \$ 4.874 | CUMBERLAND EXETER PROVIDENCE | Market Market Market | 194,055 561,317 | (356) 2 443 | 0 0 14 909 | 3,283 11,926 | 0 | 0.0 0.0 | 0.0 0.0 | 190,416 566,743 | : : | \$0.00 \$943,422.18 \$2.756.273.80 | (\$0.00) \$5,285.75 \$4,936.05 | \$0.00 \$ \$0.00 \$ \$41.625.93 \$ | 12 835 05 | \$0.00 \$16,000.73 \$58,125,12 | \$0.00 \$0.00 \$0.00 | \$0.00 \$932,707.20 \$2.757.545.71 |
| | \$ 3.423 \$ 4.874 \$ 3.806 \$ 4.874 | Total LNG | Market | 755,372 | | 14,909.0 | 15,209.0 | 0.0 | 0.0 | 0.0 | | (0) | \$2,756,273.80 \$3,699,695.98 \$0.00 | \$4,936.05 \$10,221.81 | \$41,625.93 \$41,625.93 | \$12,835.05 \$12,835.05 | \$74,125.85 | \$0.00 | \$3,690,252.91 |
| | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | Opening St.00 | | | Trucking | Withdrawal | Withdrawal | Ending |
| Nov-19 | \$ 3.278 \$ 4.825 | Field ALL PORTABLE CUMBERLAND | Category Market | balance 0 | NET 0 | Trucking 4.338 | Boiloff 0 | Vapor 2,971 | Transfer 0.0 | Usage 0.0 | balance 1,367 | (0) - | Balance \$0.00 | Adjustments (\$0.00) | Injections \$12,957.61 \$ | Charges | Boiloff \$0.00 | Vapor \$14,334.35 | Balance (\$114.17) |
| | \$ 3.357 \$ 4.825 \$ 3.945 \$ 4.825 | EXETER PROVIDENCE | Market Market | 190,416 566,743 | (252) (806) | 8,777 21,187 | 3,808 10,350 | 2,291 22,276 | 0.0 0.0 | 0.0 | 192,842 554,498 | : : | \$932,707.20 \$2,757,545.71 | (\$5,883.04) \$726.55 | \$26,216.90 \$ \$63,285.57 \$ | 8,288.12 16,393.49 | \$18,372.67 \$49,936.21 | \$11,053.51 \$107,476.24 | \$931,903.00 \$2,680,538.87 |
| | \$ 3.707 \$ 4.825 | Total LNG | | 757,159 | (1,058.0) | 34,302.0 | 14,158.0 | 27,538.0 | 0.0 | 0.0 | 748,707.0 | (0) | \$3,690,252.91 \$0.00 | (\$5,156.50) | \$102,460.07 | \$25,944.18 | \$68,308.88 | \$132,864.10 | \$3,612,327.70 |
| Dec-19 | | Storage Field | Storage | Opening balance | Adjustments NFT | Injection | Withdrawal Roiloff | Withdrawal | Field Transfer | Fuel | Ending | | Opening Balance | Adhartmanta | la la stiana | Trucking | Withdrawal Boiloff | Withdrawal | Ending |
| Dec-19 | #DIV/0! #DIV/0! PC \$ 2.644 \$ 4.783 | ORTABLE CUMBERLAND EXETER | Category Market Market | 1,367 192,842 | (4,366) (553) | Trucking 4,366 1,724 | 0 5,643 | Vapor 0 137 | 0.0 0.0 | 0.0 0.0 | 1,367 188,233 | (0) - | (\$114.17) \$931,903.00 | Adjustments (\$14,355.27) (\$4,155.72) | \$0.00 \$ \$5,624.37 \$ | Charges - 1,627.97 | \$0.00 \$26,987,80 | \$0.00 \$655.21 | (\$14,469.44) \$907,356.61 |
| | \$ 4.217 \$ 4.783 \$ 3.622 \$ 4.783 | PROVIDENCE Total LNG | Market | 554,498 748,707 | (1,597) (6,516.0) | 27,671 33.761.0 | 10,780 | 21,074 21,211.0 | 0.0 | 0.0 | 548,718 | (0) | \$2,680,538.87 \$3,612,327,70 | (\$12,927.11) (\$31.438.10) | \$90,273.75 \$ \$95.898.12 | 32,595.88 \$34,223.85 | \$51,555.64 \$78,543.44 | \$100,786.98 \$101,442,18 | \$2,638,138.76 \$3,531,025,94 |
| | 7 3.012 9 4.703 | Total Erro | | 0.0 | (0,010.0) | 00,101.0 | 10,420.0 | 21,21110 | 0.0 | 0.0 | 100,010.0 | (0) | \$0.00 | (\$01,400.10) | 400,000.12 | \$04,E20.00 | \$10,040.44 | \$101,442.110 | \$0,001,020.04 |
| Jan-20 | | Storage Field | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | | Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | \$ 10.584 #DIV/0! \$ 34.356 \$ 4.732 | portable/ seasonal CUMBERLAND & Portsmouth EXETER | Market Market | 1,367 188,233 | 3,621 (241) | 0 | 0 5,338 | 0 | 0.0 0.0 | 0.0 0.0 | 4,988 182,654 | 0 - | (\$14,469.44) \$907,356.61 | \$38,324.69 (\$8,279,75) | \$0.00 \$ \$0.00 \$ | : | \$0.00 \$25,257.58 | \$0.00 \$0.00 | \$23,855.25 \$873,819.28 |
| | \$ 3.167 \$ 4.732 \$ 3.699 \$ 4.732 | PROVIDENCE Total LNG | Market | 548,718 738,318 | (1,669) 1,711.0 | 34,648 34,648.0 | 11,116 16,454.0 | 27,651 27,651.0 | 0.0 | 0.0 | 542,930 730,572.0 | (0) | \$2,638,138.76 \$3,531,025.94 | (\$21,862.03) \$8,182.90 | \$85,985.94 \$ \$85,985.94 | 40,310.75 \$40,310.75 | \$52,597.09 \$77,854.68 | \$130,835.04 \$130,835.04 | \$2,559,141.30 \$3,456,815.82 |
| | | | | 0.0 | | | | | | | | | \$0.00 | | | | | | |
| Feb-20 | | Storage Field | Storage Category | Opening balance | Adjustments NET | Injection Trucking | Withdrawal Boiloff | Withdrawal Vapor | Field Transfer | Fuel Usage | Ending balance | (0) | Opening Balance | Adjustments | Injections | Trucking Charges | Withdrawal Boiloff | Withdrawal Vapor | Ending Balance |
| | \$ 5.675 #DIV/0! \$ 2.590 \$ 4.608 \$ 3.120 \$ 4.608 | portable/ seasonal CUMBERLAND EXETER PROVIDENCE | Market Market Market | 4,988 182,654 542,930 | (269) 259 (287) | 0 17,562 36,796 | 6,445 12.040 | 703 18 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 4,719 193,327 567,381 | (0) - | \$23,855.25 \$873,819.28 \$2,559,141,30 | (\$1,526.56) (\$8,337.77) \$8,459.03 | \$0.00 \$ \$37,909.33 \$ \$79.427.85 \$ | 16,583.80 26,010.62 | \$0.00 \$29,696.53 \$55.476.53 | \$0.00 \$3,239.20 \$82.94 | \$22,328.69 \$887,038.90 \$2.617,479.32 |
| | \$ 3.120 \$ 4.608 \$ 2.932 \$ 4.608 | Total LNG | market | 730,572 0.0 | (297.0) | 54,358.0 | 12,040 18,485.0 | 721.0 | 0.0 | 0.0 | | (0) | \$2,559,141.30 \$3,456,815.82 \$0.00 | \$8,459.03 (\$1,405.30) | \$79,427.85 \$ \$117,337.18 | \$42,594.42 | \$55,476.53 \$85,173.07 | \$82.94 \$3,322.14 | \$2,617,479.32 \$3,526,846.91 |
| | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | Opening | | | Trucking | Withdrawal | Withdrawal | Ending |
| Mar-20 | \$ 4.848 \$ 4.580 | Field portable/ seasonal CUMBERLAND | Category Market | balance 4,719 | NET | Trucking 0 | Boiloff 0 | Vapor 1,664 | Transfer 0.0 | Usage 0.0 | balance | (0) - | Balance \$22,328.69 | Adjustments (\$11,795.52) | Injections \$0.00 \$ | Charges | Boiloff \$0.00 | Vapor \$7,620.96 | Balance \$2,912.21 |
| | | | | | | | | | | | | | | | | | | | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-12 Page 2 of 2

| Date Inject price Withdraw | price | | | VOLUME | INJECTIO | ONS | WITHDR | AWALS | | | VOLUME | | | \$ AMOUNT | | INJECTIONS | | WITHDRA | AWALS | \$ AMOUNT |
|----------------------------|-------|-------------------------------|----------|--------------------|--------------------|-----------|-----------------------|------------|----------|-------|-----------|-----|---|--------------------|---|----------------|---------------------|-----------------------|------------|-------------------|
| \$ 4.040 \$ | 4.580 | EXETER | Market | 193,327 | (473) | 3,476 | 6,273 | 126 | 0.0 | 0.0 | 189,931 | | | \$887,038.90 | \$1,571.69 | \$7,279.44 \$ | 3,282.39 | \$28,729.73 | \$577.07 | \$869,865.61 |
| \$ 3.019 \$ | 4.580 | PROVIDENCE | Market | 567,381 | (172) | 12,343 | 10,385 | 0 | 0.0 | 0.0 | 569,167 | | | \$2,617,479.32 | (\$3,958.63) | \$25,848.71 \$ | 14,859.38 | \$47,562.30 | \$0.00 | \$2,606,666.49 |
| \$ 2.911 \$ | 4.580 | Total LNG | | 765,427 | (3,078.0) | 15,819.0 | 16,658.0 | 1,790.0 | 0.0 | 0.0 | 759,720.0 | (0) | | \$3,526,846.91 | (\$14,182.46) | \$33,128.15 | \$18,141.77 | \$76,292.03 | \$8,198.03 | \$3,479,444.31 |
| | | | | 0.0 | | | | | | | | | | \$0.00 | | | | | | |
| | | | | | | | | | | | | | _ | | | | | | | |
| | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | | Opening | | | Trucking | Withdrawal | Withdrawal | Ending |
| Apr-20 | | Field | Category | balance | NET | Trucking | Boiloff | Vapor | Transfer | Usage | balance | | | Balance | Adjustments | Injections | Charges | Boiloff | Vapor | Balance |
| \$ 4.682 #DIV/0 | | portable/ seasonal CUMBERLAND | Market | 622 | (622) | 0 | 0 | 0 | 0.0 | 0.0 | 0 | | | \$2,912.21 | (\$2,912.21) | \$0.00 \$ | | \$0.00 | \$0.00 | \$0.00 |
| | 4.580 | EXETER | Market | 189,931 | (422) | 0 | 3,217 | 0 | 0.0 | 0.0 | 186,292 | | | \$869,865.61 | (\$1,932.67) | \$0.00 \$ | - | \$14,733.55 | \$0.00 | \$853,199.39 |
| | 4.580 | PROVIDENCE | Market | 569,167 | 60 | 0 | 9,402 | 0 | 0.0 | 0.0 | 559,825 | | | \$2,606,666.49 | \$338.25 | \$0.00 \$ | - | \$43,060.25 | \$0.00 | \$2,563,944.49 |
| \$ 4.580 \$ | 4.580 | Total LNG | | 759,720 | (984.0) | 0.0 | 12,619.0 | 0.0 | 0.0 | 0.0 | 746,117.0 | (0) | | \$3,479,444.31 | (\$4,506.63) | \$0.00 | \$0.00 | \$57,793.80 | \$0.00 | \$3,417,143.88 |
| | | | | 0.0 | | | | | | | | | | \$0.00 | | | | | | |
| | | 2. | | | | | | | | | | | _ | | | | | | | |
| | | Storage Field | Storage | Opening balance | Adjustments NFT | Injection | Withdrawal Boiloff | Withdrawal | Field | Fuel | Ending | | | Opening Balance | A 40 | to to estable | Trucking Charges | Withdrawal Boiloff | Withdrawal | Ending Balance |
| May-20 | | | Category | balance | NEI | Trucking | | Vapor | Transfer | Usage | balance | | | | Adjustments | Injections | Charges | | Vapor | |
| #DIV/0! #DIV/0 | | CUMBERLAND | Market | 0 | | 0 | 0 | 0 | 0.0 | 0.0 | 0 | | | \$0.00 | (\$0.00) | \$0.00 \$ | | \$0.00 | \$0.00 | \$0.00 |
| | 4.580 | EXETER PROVIDENCE | Market | 186,292 | (97) | 0 | 3,056 8,533 | 0 | 0.0 | 0.0 | 183,139 | | | \$853,199.39 | (\$444.25) | \$0.00 \$ | | \$13,996.19 | \$0.00 | \$838,758.95 |
| | 4.580 | | Market | 559,825 | (70) | 0 | | 0 | 0.0 | 0.0 | 551,222 | | _ | \$2,563,944.49 | (\$320.59) | \$0.00 \$ | | \$39,080.32 | \$0.00 | \$2,524,543.58 |
| \$ 4.580 \$ | 4.580 | Total LNG | | 746,117 | (167.0) | 0.0 | 11,589.0 | 0.0 | 0.0 | 0.0 | 734,361.0 | (0) | | \$3,417,143.88 | (\$764.84) | \$0.00 | \$0.00 | \$53,076.50 | \$0.00 | \$3,363,302.54 |
| | | | | 0.0 | | | | | | | | | | \$0.00 | | | | | | |
| | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | | Opening | | | Trucking | Withdrawal | Withdrawal | Ending |
| Jun-20 | | Field | Category | balance | NET | Trucking | Boiloff | Vapor | Transfer | Usage | balance | | | Balance | Adjustments | Injections | Charges | Boiloff | Vapor | Balance |
| #DIV/0! #DIV/0 | NI. | CUMBERLAND | Market | Dalanee | III. | n nucking | 0 | Tupo: | 0.0 | 0.0 | Dulunoo | | | \$0.00 | \$0.00 | \$0.00 \$ | onargeo . | \$0.00 | \$0.00 | \$0.00 |
| | 4.580 | EXETER | Market | 183,139 | (637) | 0 | 3.001 | 0 | 0.0 | 0.0 | 179,501 | | | \$838,758,95 | (\$2.917.40) | \$0.00 \$ | | \$13,744,29 | \$0.00 | \$822,097,26 |
| | 4.580 | PROVIDENCE | Market | 551,222 | (487) | 0 | 8,962 | 0 | 0.0 | 0.0 | 541,773 | | | \$2,524,543,58 | (\$2,230,41) | \$0.00 \$ | | \$41.045.10 | \$0.00 | \$2,481,268.08 |
| | 4.580 | Total LNG | | 734,361 | (1,124,0) | 0.0 | 11.963.0 | 0.0 | | 0.0 | 721,274,0 | (0) | | \$3,363,302,54 | (\$5,147,81) | \$0.00 | \$0.00 | \$54,789,39 | \$0.00 | \$3.303.365.34 |
| | | | | 0.0 | , , , , | | , | | | | , , | 1-7 | | \$0.00 | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | . , | | , , |
| | | | | | | | | | | | | | | | | | | | | |
| | | Storage | Storage | Opening | Adjustments | Injection | Withdrawal | Withdrawal | Field | Fuel | Ending | | | Opening | | | Trucking | Withdrawal | Withdrawal | Ending |
| Jul-20 | | Field | Category | balance | NET | Trucking | Boiloff | Vapor | Transfer | Usage | balance | | | Balance | Adjustments | Injections | Charges | Boiloff | Vapor | Balance |
| #DIV/0! #DIV/0 | ı! | CUMBERLAND | Market | 0 | | 0 | 0 | 0 | 0.0 | 0.0 | 0 | | | \$0.00 | \$0.00 | \$0.00 \$ | | \$0.00 | \$0.00 | \$0.00 |
| \$ 4.580 \$ | 4.483 | EXETER | Market | 179,501 | (90) | 0 | 3,306 | 0 | 0.0 | 0.0 | 176,105 | | | \$822,097.26 | (\$412.19) | \$0.00 \$ | | \$14,819.74 | \$0.00 | \$806,865.33 |
| \$ 2.787 \$ | 4.483 | PROVIDENCE | Market | 541,773 | 899 | 40,449 | 13,243 | 0 | 0.0 | 0.0 | 569,878 | | | \$2,481,268.08 | \$4,117.33 | \$69,543.97 \$ | 41,573.31 | \$59,364.15 | \$0.00 | \$2,537,138.54 |
| \$ 2.783 \$ | 4.483 | Total LNG | | 721,274 | 809.0 | 40,449.0 | 16,549.0 | 0.0 | 0.0 | 0.0 | 745,983.0 | (0) | | \$3,303,365.34 | \$3,705.14 | \$69,543.97 | \$41,573.31 | \$74,183.89 | \$0.00 | \$3,344,003.86 |
| | | | | 0.0 | | | | | | | | | | \$0.00 | | | | | | |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-13

Request:

Please identify all occasion since 2019 which the Company has invoked the curtailment provisions of its tariff. Identify the reason for the curtailment, volumes, and number of customers.

Response:

The Company invoked the curtailment provisions of its tariff twelve times since January 2019. A total of eleven accounts were curtailed. Since these customers are curtailed on peak days, the Company does not have a history of historical peak day usage. The total estimated peak day load associated with these eleven accounts is approximately totals with a connected CHF of 1,369,680 Curtailments were issued due to forecasted LNG use.

The gas days when curtailments were invoked are provided in the table below:

| RIN | ON-FIRM CUSTOM | ERS |
|----------------|----------------|---------------|
| Effective Date | End Date | # of Gas Days |
| 1/11/2019 | 1/14/2019 | 3 |
| 1/20/2019 | 1/23/2019 | 3 |
| 1/30/2019 | 2/3/2019 | 4 |
| 2/26/2019 | 3/1/2019 | 3 |
| 3/5/2019 | 3/8/2019 | 3 |
| 11/13/2019 | 11/14/2019 | 1 |
| 12/7/2019 | 12/8/2019 | 1 |
| 12/18/2019 | 12/20/2019 | 2 |
| 1/17/2020 | 1/18/2020 | 1 |
| 1/20/2020 | 1/22/2020 | 2 |
| 2/14/2020 | 2/15/2020 | 1 |
| 2/20/2020 | 2/21/2020 | 1 |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-14

Request:

Please provide a complete monthly history of the Company's capacity release activity for the period April 2019 through July 2020. Provide a copy of the requested information in Excel format. The history should identify capacity released for on-system FT-1 and FT-2 transportation customers and releases to others separately, as well as any capacity acquired. Include the following:

- a. Amount of capacity available for release by pipeline and rate schedule;
- b. The applicable pipeline, acquiring party, quantity by zone, rate, duration, and revenues;
- c. The otherwise applicable maximum interstate pipeline rate; and
- d. Whether any conditions were placed on the release, and whether the capacity was recalled prior to the expiration of the initial term and the release.

Response:

Please see the Excel spreadsheets attached as Attachments DIV 1-14(a) through 1-14(p) for the requested information.

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-15

Request:

Please provide a complete monthly history of the Company's off-system sales activities period April 2019 through July 2020. Provide a copy of the requested information in Excel format. Include the following:

- a. Buyer;
- b. Date arrangement was agreed upon;
- c. Date(s) sold;
- d. Quantity sold each day;
- e. Pipeline receipt point and zone;
- f. Pipeline delivery point and zone;
- g. Date(s) gas supplies were purchased to accommodate each off-system sale;
- h. Quantity purchased each day;
- i. Cost associated with gas purchased, including acquisition source, price, and transportation arrangement;
- j. Avoided costs;
- k. Sales price; and
- 1. Net revenues.

Response:

Please see the Excel spreadsheet attached as Attachment Division 1-15, for the requested information concerning the Company's off-system sales activities for the period of April 2019 through July 2020.

Attachment Division 1-15 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment DIV 1-15, subject to a Motion for Protective Treatment.

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Attachment DIV 1-15

CONFIDENTIAL

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests

Issued on August 19, 2020

Division 1-16

Request:

Please provide the same information requested in the prior question for all exchange or park and loan activities wherein, for a fee, the Company accepts the delivery of gas from a counter-party at one pipeline location and delivers it to another location, accepts the delivery of gas from a counter-party and agrees to return it at a later date, or delivers gas to a counter-party at a point in time and accepts the return of that gas at a later point in time.

Response:

National Grid did not engage in any exchanges or park and loan activities for the specified period of April 2019 through July 2020.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests

Issued on August 19, 2020

Division 1-17

Request:

Please provide, on an aggregate basis (as opposed to an individual supplier basis), a monthly tabulation of FT-1 and FT-2 transportation customer imbalances for the period April 2019 through July 2020. That is, provide receipts of customer-owned gas adjusted for distribution system fuel retention and on-system storage activity versus consumption. Show how the imbalances were resolved, including those cashed-out, cashed-in, those carried forward, or resolved through other means. Include quantities and rates applicable to resolving imbalances (e.g., cash-out) as appropriate.

Response:

Please see the table below for FT-1 and FT-2 imbalances for the period April 2019 through July 2020, as well as the cash out index rate by month.

| Month | Imbalances in D | ekatherms. | Total Imbalance Dekatherms. | Index Rate |
|----------|-----------------|------------|-----------------------------|------------|
| | FT-1* | FT-2** | | |
| Apr-2019 | 7,101.90 | (21914.1) | (14,812.22) | \$2.59 |
| May-2019 | 11,919.10 | (29416.6) | (17,497.46) | \$2.35 |
| Jun-2019 | (6,588.10) | (8393.7) | (14,981.79) | \$2.13 |
| Jul-2019 | 15,700.80 | 702.0 | 16,402.75 | \$2.27 |
| Aug-2019 | 46,541.60 | (3284.2) | 43,257.39 | \$2.01 |
| Sep-2019 | 55,184.10 | 11520.0 | 66,704.12 | \$2.05 |
| Oct-2019 | 57,017.70 | (22622.3) | 34,395.41 | \$1.76 |
| Nov-2019 | 85,435.80 | (36585.0) | 48,850.80 | \$3.35 |
| Dec-2019 | 104,493.10 | (7720.9) | 96,772.20 | \$4.75 |
| Jan-2020 | 78,515.30 | 9641.5 | 88,156.80 | \$2.91 |
| Feb-2020 | 38,579.40 | 11396.1 | 49,975.50 | \$2.31 |
| Mar-2020 | 16,268.20 | (2490.8) | 13,777.40 | \$1.68 |
| Apr-2020 | (37,562.30) | (43670.4) | (81,232.70) | \$1.70 |
| May-2020 | (46,344.10) | (86882.2) | (133,226.30) | \$1.46 |
| Jun-2020 | (48,790.70) | (22252.3) | (71,043.00) | \$1.51 |
| Jul-2020 | 20,381.20 | (15152.8) | 5,228.40 | \$1.69 |
| | | | | |
| | 397,853.00 | (267125.7) | 130,727.30 | · |

^{*}The FT-1 imbalances are cashed out using the tier rates as listed in question Division 1-17. Imbalances in Dekatherms.

^{**}The FT-2 imbalance isre separated into appropriate months using degree days, then multiplied by the average of the daily indices for the relevant month.

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-17, page 2

FT-1 and FT-2 transportation customer imbalances are resolved as described in the Company's gas tariff, RIPUC, NG-GAS no. 101, Section 6, Transportation Terms and Conditions, Schedule C (Gas Tariff).

The relevant excerpts from the Gas Tariff are reproduced below:

2.01 FT-1 Transportation Service:

2.03.2 Monthly Imbalances:

For each Aggregation Pool, the Marketer must maintain total Actual Transportation Quantities within a reasonable tolerance of total monthly Gas Usage. Any differences between total Monthly Transportation Quantities for an Aggregation Pool and the aggregated Gas Usage of Customers in the Aggregation Pool, expressed as a percentage of total Monthly Transportation Quantities will be cashed out according to the following schedule:

| Imbalance Tier | Over-deliveries | Under-deliveries |
|----------------|---|--|
| 0% - 5% | The average of the Daily Indices for the relevant Month relevant Month | The highest average of seven consecutive Daily Indices for the |
| > 5% - 10% | 0.85 times the above stated rate | 1.15 times the above stated rate |
| > 10% - 15% | 0.60 times the above stated rate | 1.4 times the above stated rate |
| > 15% | 0.25 times the above stated rate | 1.75 times the above stated rate |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-17, page 3

1.04.3 Marketer Responsibility:

For Critical Days or Operational Flow Orders (OFO) aggravated by under-delivery, the Marketer will be charged a penalty of 5 times the Daily Index for the aggregated Gas Usage of

Customers in the Aggregation Pool that exceed 102% of the Marketer's aggregate actual receipts on the Transporting Pipeline at the Point of Receipt. The Marketer will be charged a penalty of 0.1 times the Daily Index for the differences between said receipts and said usage that exceed 20% of said receipts [(Receipts – Usage) > (20% x Receipts)].

For Critical Days or OFO's aggravated by over-delivery, the Marketer will be charged a penalty of 0.1 times the Daily Index for the aggregated Gas Usage of Customers in the Aggregation Pool that exceed 120% of the Marketer's aggregate actual receipts on the Transporting Pipeline at the Point of Receipt. The Marketer will be charged a penalty of 5 times the Daily Index for the differences between said receipts and said usage that exceed 2% of said receipts [(Receipts – Usage) > (2% x Receipts)].

3.0 FT-2 Transportation Service:

3.04.0 Billing Imbalances:

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-17, page 4

The forecasted daily use (FDU) will be calculated each day. Imbalances between customer Gas Usage and the Forecasted Daily Usage (FDU), adjusted for actual weather, will be cashed out at the average of the Algonquin and Tennessee city gate delivered monthly indexes. The Company will prorate the imbalance amount between the months billed based on the customer's base load and heating use factors and apply the average monthly index to the corresponding month's imbalance quantity. Customer imbalances get split into individual months using degree days. That imbalance is then multiplied by that month's daily index.

The imbalance amount will be a credit if deliveries exceed the customer's use and a debit if deliveries are less than the customer's use. The billed imbalance amount for any billing will be the sum of the imbalance charges or credits attributable to each individual month.

3.03.1 Critical Days:

To satisfy the FDU (Forecasted Daily Use) nomination requirement on Critical Days, the Marketer is required to fully utilize upstream capacity that it received from Company through Capacity Release so as to help avoid restricting the Company's ability to provide efficient and reliable firm transportation and sales service. Notice of Critical Days will be posted on the EBB no later than concurrent with the posting of the FDU nomination requirement.

3.03.2 Over and Under-deliveries:

Under-deliveries at times when an OFO or critical day have not been declared will be cashed out at 120% of daily index. If the Company declares an OFO or critical day condition reducing the tolerance for over-deliveries, any over-deliveries of the aggregation pool's gas requirements, above the FDU, will be cashed out at 40% of the daily index. In addition, the Company reserves the right to reject such a nomination. Over-deliveries at other times will be cashed out at 80% of Daily Index.

1.06.0 Shipper and Transporting Pipeline Requirements:

Marketers must deliver a minimum of forty percent (40%) of total daily pipeline receipts (including all of the Marketer's Aggregation Pools serving both FT-1 and FT-2 customers) on each of the upstream pipelines: Algonquin Gas Transmission ("Algonquin") and Tennessee Gas Pipeline ("Tennessee"). The remaining twenty percent (20%) of total daily pipeline receipts (including all of the Marketer's

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-17, page 5

Aggregation Pools serving both FT-1 and FT-2 customers) may be delivered on either or both Algonquin or Tennessee.

If the Marketer does not deliver gas on the transporting pipelines as required above, the Company may charge the Marketer a penalty of 0.5 times the Daily Index for all differences less than the forty (40) percent minimum requirement on each transporting pipeline.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-18

Request:

Please identify the daily and monthly balancing requirements imposed on FT-1 and FT-2 transportation customers and explain how the balancing requirements of transportation customers affects the amount and type of capacity reserved by the Company. Identify any currently applicable balancing charges assessed to transportation customers.

Response:

Please see the Company's response to Division 1-17 for the daily and monthly balancing requirements imposed on FT-1 and FT-2 transportation customers and the applicable balancing charges assessed to transportation customers.

As the delivery point operator, the Company must balance total load, including transportation customer load and sales customer load, with both Algonquin and Tennessee pipelines. While the Company provides access to its storage and LNG assets to Marketers serving FT-2 customers via its managed service tiers, the Company retains physical control of these assets in its gas supply portfolio to balance total load to the level imposed by the respective pipeline (i.e. daily, hourly, etc.).

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-19

Request:

Please identify the extent to which the Company was unable to use its long-haul Tennessee capacity with Gulf Coast production area primary receipt points to purchase Tennessee Zone 4 gas supplies during the period April 2019 through July 2020. That is, the Company purchased Gulf Coast supplies.

Response:

The Company was not restricted from buying Tennessee Zone 4 gas any day during the period April 2019 through July 2020.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-20

Request:

Please identify the extent to which the Company was unable to use its long-haul Texas Eastern capacity with Gulf Coast production area primary receipt points to purchase Texas Eastern M-2 gas supplies during the period April 2019 through July 2020. That is, the Company purchased Gulf Coast Supplies.

Response:

The Company recently became unable to use its long-haul Texas Eastern capacity to purchase Texas Eastern M-2 gas. Starting on July 15, 2020 the Company stopped purchasing Texas Eastern M-2 gas due to restrictions enacted at the Uniontown Compressor Station.

Due to the continued increases in natural gas supplies within Market Zone M2-30 (Meter No. 79508), Texas Eastern moved the M2-30 TAB pool that is currently at the far east end of the Market Zone M2-30 at mile post 305.812. The M2-30 TAB was relocated to a point just west of the Uniontown Compressor station at mile post 339.943 to more accurately reflect where the current supply sources in the Market Zone M2-30 are being received into the Texas Eastern system.

Prior to the change in location, M2 gas supplies did not flow through Uniontown and were not subject to any curtailment.

Prior to July 15, 2020 the Company had not been restricted from buying Texas Eastern M-2 gas.

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted Division 1-21

Request:

Please provide a schedule identifying for the winter of 2019/20 and 2020/21:

- a. The MDQ of each gas supply contract and the applicable daily and monthly nomination/purchase requirements;
- b. The demand charges associated with each gas supply contract (applicable rate and amount); and
- c. Commodity pricing provisions.

Response:

Please see the chart below which provides the following information for those transactions that have been executed for the winter of 2019/20 and 2020/21: (i) the MDQ of each gas supply contract and the applicable daily and monthly nomination/purchase requirements; (ii) the demand charges associated with each gas supply contract (applicable rate and amount); and (iii) commodity pricing provisions. The Company is currently negotiating transactions for winter 2020/21 and will supplement this response once these transactions have been fully executed.

| Gas Supplier | Path/Receipt Point | Gas Supply Purchase/AMA | Term | Maximum Daily Quantity (dt) | Maximum Monthly Quantity (dt) | Total AMA Fee | Total Demand Charge | Gas Supply Requirements | Commodity Price |
|---------------------------|---|----------------------------|---------------------------|--------------------------------------|--|------------------|---------------------------|----------------------------|--------------------|
| Constellation LNG, LLC | Winter Vapor Purchase at Everett, MA | Gas Supply Purchase | 12/01/2019- 04/01/2020 | 20,000 | 632,000 | N/A | | Daily Call | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted Division 1-21, page 2

| Constellation LNG, LLC | Winter Vapor Purchase at Everett, MA | Gas Supply Purchase | 12/01/2020- 04/01/2021 | 20,000 | 651,000 | N/A | | Daily Call | |
|--------------------------------------|--|------------------------|---------------------------|--------|------------|-----|-----|--------------------------------------|---|
| Emera Energy Services, Inc. | Dawn to East Hereford (Union, TCPL) | AMA | 11/01/2019- 04/30/2020 | 10,757 | Daily Call | | N/A | Baseload Election + Daily Call | E |
| DTE Energy Trading, Inc. | Dawn to East Hereford (Union, TCPL) | AMA | 11/01/2019- 04/30/2020 | 14,999 | Daily Call | | N/A | Baseload Election + Daily Call | Ł |
| EDF Trading North America, LLC | Dawn to TGP Z6 (Union, TCPL, IGTS, TGP) | AMA | 11/01/2019- 03/31/2020 | 1,000 | Daily Call | | N/A | Baseload Election + Daily Call | - |
| Freepoint Commodities LLC | Dracut to TGP Z6 | AMA | 12/1/2019- 04/30/2020 | 22,300 | Daily Call | | N/A | Daily Call | F |
| Spotlight Energy, LLC | Tco Broadrun to AGT Hanover | AMA | 11/01/2019- 04/15/2020 | 10,000 | Daily Call | | N/A | Daily Call | |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted Division 1-21, page 3

| Constellation LNG, LLC | Winter Vapor Purchase at AGT | Gas Supply Purchase | 11/01/2019- 03/31/2020 | 14,100 | 507,600 | N/A | Daily Call | |
|---------------------------|---|------------------------|---------------------------|--------|---------|-----|------------|--|
| Constellation LNG, LLC | Winter Vapor Purchase at AGT | Gas Supply Purchase | 11/01/2020- 03/31/2021 | 14,100 | 507,600 | N/A | Daily Call | |
| Constellation LNG, LLC | LNG Purchase | Gas Supply Purchase | 12/01/2019- 03/31/2020 | 21,000 | 192,450 | N/A | Daily Call | |
| Constellation LNG, LLC | Winter Vapor Purchase at Everett, MA | Gas Supply Purchase | 12/01/2019- 03/31/2020 | 5,000 | 25,000 | N/A | Daily Call | |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-22

Request:

For the five coldest non-weekend/holiday days during the winter of 2019/2020, please provide an analysis that demonstrates that the design day forecast models relied upon and developed by the Company for the winter of 2019/20 produced a reasonable estimate of planning load on these five days.

Response:

The table below lists the five coldest non-weekend/holiday days during the winter of 2019/20, the actual throughput, the predicted throughput given the actual weather of the winter of 2019/20, the volumetric difference, and the percent error difference. Weekend days are defined as Saturdays and Sundays; holidays excluded are Thanksgiving Day, Christmas Day, New Year's Day, Martin Luther King, Jr. Day, and Presidents Day.

| <u>Date</u> | <u>HDD</u> | Actual Dth | Predicted Dth | Error Dth | Error Pct |
|-------------|------------|------------|---------------|-----------|-----------|
| 12/19/2019 | 47 | 313,560 | 301,046 | 12,514 | 4.0 % |
| 1/17/2020 | 47 | 302,007 | 297,583 | 4,424 | 1.5 % |
| 2/14/2020 | 46 | 274,528 | 290,225 | -15,697 | -5.7 % |
| 1/21/2020 | 44 | 288,986 | 294,947 | -5,961 | -2.1 % |
| 12/18/2019 | 41 | 257,874 | 268,702 | -10,828 | -4.2 % |

The mean absolute percentage error (MAPE) is 3.5 percent.

For the five coldest non-weekend/holiday days during the winter of 2018/19, the MAPE was 4.4 percent. For the five coldest non-weekend/holiday days during the winter of 2017/18, the MAPE was 3.8 percent. For the five coldest non-weekend/holiday days during the winter of 2016/17, the MAPE was 3.3 percent.

The Company generally aims for a MAPE in the three percent range in its comparison of actual versus predicted daily wholesale total throughput as it monitors throughput throughout the heating season.

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-23

Request:

With respect to the capacity assigned to FT-1 transportation customers for the period April 2019 through July 2020:

- a. Please identify the monthly quantity of capacity assigned by pipeline contract and rate schedule;
- b. Explain how the quantity assigned is determined;
- c. Identify the applicable monthly pipeline rates and costs of each capacity assignment; and
- d. Please identify any monthly charges assessed to FT-1 customers (or their supplies) for the assigned capacity beyond the charges paid directly to the pipeline by the customer or their supplier. Explain how the additional charges are determined.

Response:

- a. Please see Attachment DIV 1-23 for the monthly quantity of capacity assigned by pipeline contract and rate schedule for FT1.
- b. The Company determines the quantity to be released based on the customer's calculated Peak Day Use and load factor rate class. The Company separately calculates assignment percentages for high load factor and low load factor rate classes eligible for transportation. It then multiplies the percentage applicable to the Customer's rate class by the Customer's Peak Day Use to determine the amount of capacity to be assigned to the Marketer (as per section 1.07.0 of the Company's tariff).
- c. Please see Attachment DIV 1-23 for the applicable monthly pipeline rates and costs of each capacity assignment.
- d. The Company assesses a surcharge/credit to Marketers based on the difference between the charges of the upstream pipeline transportation capacity and the weighted average of the Company's upstream pipeline transportation capacity charges as calculated by the Company. To the extent that the charges of such released pipeline capacity are greater than the weighted average charges, the Marketer receives credit for such difference in charges based on the total quantity

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-23, page 2

of capacity released by the Company to the Marketer. The per Dth charge is calculated by subtracting the charge per Dth for the released pipeline capacity from the Company's weighted average Upstream Transportation charges as identified in the Company's annual Gas Cost Recovery Filing. To the extent that the cost of such released pipeline capacity is less than the weighted average cost, the Marketer is surcharged for such difference (as per section 1.07.0 of the Company's tariff).

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-23 Page 1 of 1

Capacity released for on-system FT-1 transportation customers April 2019-July 2020.

| | | | - 1 | Apr-2019 | May-2019 | Jun-201 | Jul-2019 | Aug-2019 | Sep-2019 | Oct-2019 | Nov-2019 | Dec-2019 | Jan-2020 | Feb-2020 | Mar-2020 | Apr-2020 | May-2020 | Jun-2020 | Jul-2020 |
|---------------|--------|-----------------------------|-----|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Rate Schedule | | Algonquin | | | | | | | | | | | | | | | | | |
| AFT-E1 | 93011E | volume | | 1,229 | 1,194 | 1,188 | 1,196 | 1,172 | 1,180 | 1,150 | 1,099 | 1,027 | 1,041 | 1,120 | 1,042 | 1,041 | 1,055 | 1,069 | 1,107 |
| | | release rate (\$/Dt/m) | \$ | 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 |
| | | | | | | | | | | | | | | | | | | | |
| AFT-14 | 90106 | volume | | 1,238 | 1,228 | 1,224 | 1,227 | 1,222 | 1,221 | 1,215 | 1,181 | 1,133 | 1,149 | 1,147 | 1,146 | 1,141 | 1,142 | 1,147 | 1,154 |
| | | release rate (\$/Dt/m) | \$ | 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 | \$ 6.5734 |
| | | _ | | | | | | | | | | | | | | | | | |
| | | Tennessee | | - | | | + | | | | | | | | | | | | |
| FT-A | 1597 | volume | | 3.918 | 3,891 | 3,875 | 3,887 | 3,537 | 3,867 | 3,845 | 4.137 | 3,804 | 4,212 | 3,782 | 3,783 | 3,765 | 3,770 | 3,784 | 3,809 |
| 117 | 1007 | release rate (\$/Dt/m) | \$ | 19.2261 | \$ 19.2261 | \$ 19.2261 | | \$ 19.2261 | \$ 19.2261 | \$ 19.2261 | , . | \$ 19.2261 | \$ 19.2261 | \$ 19.2261 | \$ 19.2261 | \$ 19.2261 | \$ 19.2261 | | \$ 19.2261 |
| | | release rate (\$\psi D\rim) | Ψ | 10.2201 | ψ 13.2201 |
| FT-A | 62930 | volume | | 828 | 730 | 71: | 728 | 503 | 674 | 589 | 605 | 492 | 488 | 489 | 500 | 455 | 500 | 544 | 664 |
| | | release rate (\$/Dt/m) | \$ | 4.2512 | \$ 4.2512 | \$ 4.2512 | \$ 4.2512 | \$ 4.2512 | \$ 4.2512 | | | \$ 4.2512 | \$ 4.2512 | \$ 4.2512 | | | | \$ 4.2512 | |
| | | | | | | | | | | | | | | | | | | | |
| | | Columbia | | | | | | | | | | | | | | | | | |
| FTS | 31520 | volume | | 209 | 209 | 207 | 207 | 205 | 207 | 206 | 200 | 190 | 197 | 195 | 196 | 195 | 196 | 196 | 197 |
| | | release rate (\$/Dt/m) | \$ | 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 | \$ 7.0510 |
| | | | | | | | | | | | | | | | | | | | |
| FTS | 31524 | volume | | 1,043 | 1,036 | 1,034 | 1,037 | 1,032 | 1,029 | 1,024 | 995 | 971 | 981 | 980 | 980 | 973 | 973 | 978 | 984 |
| | | release rate (\$/Dt/m) | \$ | 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 | \$ 7.1610 |
| | | T-4 | | | | | | | | | | | | | | | | | |
| CDS | 000202 | Tetco | | 7.056 | 7 700 | 7.771 | 7 702 | 7 757 | 7.750 | 7 700 | 7.404 | 7.106 | 7 207 | 7.074 | 7 070 | 7.040 | 7.054 | 7 202 | 7 220 |
| CDS | 800303 | volume | æ | 7,856 | 7,799 | | 7,793 | 7,757 | 7,752 | 7,708 | 7,494 | 7,196 | 7,297 | 7,274 | 7,279 | 7,242 | 7,254 | 7,282 | 7,328 |
| | | release rate (\$/Dt/d) | Ф | 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 | \$ 16.6631 |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-24

Request:

With respect to the capacity assigned to FT-2 transportation customers for the period April 2019 through July 2020:

- a. Please identify the monthly quantity of capacity assigned by pipeline contract and rate schedule;
- b. Explain how the quantity assigned is determined;
- c. Identify the applicable monthly pipeline rates and costs of each capacity assignment; and
- d. Please identify any monthly charges assessed to FT-2 customers (or their supplies) for the assigned capacity beyond the charges paid directly to the pipeline by the customer or their supplies. Explain how the additional charges are determined.

Response:

- a. Please see Attachment DIV 1-24 for monthly quantity of capacity assigned by pipeline contract and rate schedule for FT-2 transportation customers.
- b. The Company determines the quantity to be released based on the customer's calculated Peak Day Use and load factor rate class. The Company separately calculates assignment percentages for high load factor and low load factor rate classes eligible for transportation. It then multiplies the percentage applicable to the Customer's rate class times the Customer's Peak Day Use to determine the amount of capacity to be assigned to the Marketer (as per section 1.07.0 of the Company's tariff).
- c. Please see Attachment DIV 1-24 for the applicable monthly pipeline rates and costs of each capacity assignment.
- d. The Company assesses a surcharge/credit to Marketers based on the difference between the charges of the upstream pipeline transportation capacity and the weighted average of the Company's upstream pipeline transportation capacity charges as calculated by the Company. To the extent that the charges of such

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-24, page 2

released pipeline capacity are greater than the weighted average charges, the Marketer receives credit for such difference in charges based on the total quantity of capacity released by the Company to the Marketer. The per Dth charge is calculated by subtracting the charge per Dth for the released pipeline capacity from the Company's weighted average Upstream Transportation charges as identified in the Company's annual Gas Cost Recovery Filing. To the extent that the cost of such released pipeline capacity is less than the weighted average cost, the Marketer is surcharged for such difference (as per section 1.07.0 of the Company's tariff).

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-24

Capacity released for on-system FT-2 transportation customers April 2019-July 2020.

Page 1 of 1

| Rate Schedule | | Algonquin | Apr-2019 | May-2019 | Jun-2019 | Jul | -2019 | A | Aug-2019 | S | ep-2019 | Oct | t-2019 | No | v-2019 | Dec-2019 | Ja | ın-2020 | F | eb-2020 | 1 | Mar-2020 | Αţ | pr-2020 | Ma | ay-2020 | Ju | n-2020 | Jul-2020 |
|---------------|--------|----------------------------------|------------------------|------------------------|---------------------------|-------|---------------|----|---------------------|-----|---------------------|-----------|-------------------|-------------|--------------------|---------------------------|------|--------------------|---|---------------------|----|------------------|-------|-----------------|------|-----------------|-------|-----------------|------------------------|
| AFT-E1 | 93011E | volume release rate (\$/Dt/m) | \$ 1,485 6.5734 | \$ 1,521 6.5734 | \$ 1,526 6.5734 \$ | | ,518 5734 | \$ | 1,542 6.5734 \$ | | 1,534 6.5734 \$ | | 1,564 .5734 \$ | | 1,614 6.5734 \$ | \$ 1,686 6.5734 \$ | \$ | 1,673 6.5734 \$ | 6 | 1,594 6.5734 \$ | 6 | 1,671 6.5734 | | 1,673 6.5734 | \$ | 1,660 6.5734 | | 1,646 5.5734 | \$ 1,607 6.5734 |
| AFT-14 | 90106 | volume release rate (\$/Dt/m) | \$ 1,763 6.5734 | \$ 1,772 6.5734 | \$ 1,776 6.5734 \$ | | 1,773 5734 | \$ | 1,779 6.5734 \$ | | 1,779 6.5734 \$ | 6. | 1,786 .5734 \$ | 6 | 1,820 6.5734 \$ | \$ 1,867 6.5734 \$ | \$ | 1,851 6.5734 \$ | 6 | 1,854 6.5734 \$ | 5 | 1,854 6.5734 | \$ 1 | 1859 6.5734 | \$ | 1858 6.5734 | \$ 6 | 1853 3.5734 | \$ 1846 6.5734 |
| | | Tennessee | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FT-A | 1597 | volume release rate (\$/Dt/m) | \$ 5,582 19.2261 | \$ 5,609 19.2261 | \$ 5,624 19.2261 \$ | | 5,613 2261 | \$ | 5,964 19.2261 \$ | - 1 | 5,633 19.2261 \$ | | 5,656 .2261 \$ | 5 19 | 5,763 9.2261 \$ | \$ 6,097 19.2261 \$ | \$ 1 | 5,688 9.2261 \$ | 6 | 6,117 19.2261 \$ | 6 | 6,115 19.2261 | \$ 1! | 6,134 9.2261 | \$ 1 | 6,130 9.2261 | \$ 19 | 6,116 9.2261 | \$ 6,092 19.2261 |
| FT-A | 62930 | volume release rate (\$/Dt/m) | \$ 172 4.2512 | 270 4.2512 | \$ 287 4.2512 \$ | i 4.: | 272 2512 | \$ | 497 4.2512 \$ | | 326 4.2512 \$ | 4. | 412 .2512 \$ | 5 4 | 495 1.2512 \$ | \$ 608 4.2512 \$ | \$ | 612 4.2512 \$ | 6 | 611 4.2512 \$ | 6 | 600 4.2512 | \$. | 645 4.2512 | \$ | 600 4.2512 | \$ 4 | 556 4.2512 | \$ 436 4.2512 |
| | | Columbia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FTS | 31520 | volume release rate (\$/Dt/m) | \$ 294 7.0510 | \$ 295 7.0510 | \$ 295 7.0510 \$ | 5 7. | 295 0510 | \$ | 296 7.0510 \$ | | 296 7.0510 \$ | 7. | 297 .0510 \$ | 5 7 | 303 7.0510 | \$ 310 7.0510 \$ | \$ | 308 7.0510 \$ | Б | 309 7.0510 \$ | \$ | 309 7.0510 | \$ - | 309 7.0510 | \$ | 309 7.0510 | \$ 7 | 308 7.0510 | \$ 307 7.0510 |
| FTS | 31524 | volume release rate (\$/Dt/m) | \$ 1,470 7.1610 | 1,477 7.1610 | \$ 1,480 7.1610 \$ | | 1,477 1610 | \$ | 1,482 7.1610 \$ | | 1,483 7.1610 \$ | 7. | 1,489 .1610 \$ | \$ 7 | 1,518 7.1610 \$ | \$ 1,557 7.1610 \$ | \$ | 1,543 7.1610 \$ | 6 | 1,545 7.1610 \$ | 5 | 1,545 7.1610 | \$ 7 | 1550 7.1610 | \$ | 1549 7.1610 | \$ 7 | 1545 7.1610 | \$ 1539 7.1610 |
| | | Tetco | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CDS | 800303 | volume release rate (\$/Dt/d) | \$ 11188 16.6631 | \$ 11245 16.6631 | 11272 16.6631 \$ | 112 | 51 6631 : | | 1290 16.6631 \$ | | 1291 16.6631 \$ | 113 16 | 37 .6631 \$ | | 552 5.6631 \$ | 11849 16.6631 \$ | | 749 6.6631 \$ | | 1770 16.6631 \$ | | 1762 16.6631 | | 802 6.6631 S | | 1792 6.6631 | | 762 6.6631 | 1718 16.6631 |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-25

Request:

Please provide the projected design day, design winter, and design annual volumes of high and low load factor sales customers for the period November 2020 through October 2021.

Response:

Please see the chart below. While the Company does not have daily metered retail data to precisely forecast a retail design day for sales customers, it has estimated these values (in Dth).

| | Design Day (Est.) | Design Winter | Design Year |
|------------------|-------------------|---------------|-------------|
| Low Load Factor | 312,015 | 20,887,109 | 29,129,442 |
| Sales | | | |
| High Load Factor | 5,323 | 387,225 | 677,115 |
| Sales | | | |
| Total | 317,338 | 21,264,334 | 29,806,556 |

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-26

Request:

For the periods November 2019 through October 2020 and November 2020 through October 2021, please provide the following projected design day demand quantities:

- a. Total for which the Company performs capacity planning;
- b. FT-2 customer demands met by pipeline FT capacity;
- c. FT-2 customer demands met by pipeline and LNG storage (separately);
- d. FT-1 capacity exempt customer demands met by pipeline FT capacity;
- e. FT-1 capacity exempt customer demands met by pipeline and LNG storage (separately);
- f. FT-1 capacity assigned customer demands met by pipeline FT capacity;
- g. FT-1 capacity assigned customer demands met by pipeline and LNG storage (separately);
- h. Sales customer demands met by pipeline FT capacity; and
- i. Sales customer demands meet by pipeline and LNG storage (separately).

Response:

Data for 2019-20 forecasted design day are based on capacity releases for January 2020. Data for 2020-21 forecasted design day are based on capacity releases for September 2020.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066
In Re: 2020 Annual Gas Cost Recovery Filing

Responses to the Division's First Set of Data Requests
Issued on August 19, 2020

Division 1-26, page 2

| | | Nov 2019 – Oct | Nov 2020 - Oct |
|----|--|---|---|
| | | <u>2020</u> | <u>2021</u> |
| a. | Total for which the Company performs capacity planning; | 387,467 Dth | 383,384 Dth |
| b. | FT-2 customer demands met by pipeline FT capacity; | Pipeline: 21,932 Dth | Pipeline: 24,436 Dth |
| c. | FT-2 customer demands met by pipeline and LNG storage (separately); | Storage :4,742 Dth Peaking: 18,274 Dth | Storage: 4,583 Dth Peaking: 15,136 Dth |
| d. | FT-1 capacity exempt customer demands met by pipeline FT capacity; | 28,496 Dth (Note: the Company does not perform capacity planning for the capacity- exempt customers) | 26,574 Dth (Note: the Company does not perform capacity planning for the capacity- exempt customers) |
| e. | FT-1 capacity exempt customer demands met by pipeline and LNG storage (separately); | The Company is unaware of the supplies delivered to FT-1 capacity-exempt customers. Their total forecasted sendout is presented in (d) above. | The Company is unaware of the supplies delivered to FT-1 capacity-exempt customers. Their total forecasted sendout is presented in (d) above. |
| f. | FT-1 capacity assigned customer demands met by pipeline FT capacity; | Pipeline: 13,615 Dth | Pipeline: 15,432 Dth |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

| g. | FT-1 capacity assigned customer demands met by pipeline and LNG storage (separately); | Storage and peaking: 10,114 Dth (based on the Company's forecast of their total peak less (f)) | Storage and peaking: 7,555 Dth (based on the Company's forecast of their total peak less (f)) |
|----|---|---|--|
| h. | Sales customer demands met by pipeline FT capacity; and | Pipeline: 202,275 Dth | Pipeline: 197,954 Dth |
| i. | Sales customer demands meet by pipeline and LNG storage (separately). | Storage: 12,979 Dth Peaking: 114,934 Dth | Storage: 13,138 Dth Peaking: 115,828 Dth |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted Division 1-27

Request:

For the period April 2019 through July 2020:

- a. Please separately identify monthly citygate storage and citygate peaking quantities sold to FT-2 marketers and the applicable price;
- b. Explain how the price for citygate storage and peaking service supplies is determined; and
- c. Explain whether the Company made citygate purchases during the period and whether the costs associated with these purchases were assigned to FT-2 marketers. If such purchases were made, identify the date of each purchase and the applicable quantities and prices.

Response:

- a. Please see Attachment DIV 1-27 for quantities sold to FT-2 marketers and the applicable prices for the period April 2019 through July 2020.
- b. The variable price for storage is equal to the Company's underground storage weighted average cost of gas ("WACOG"). The fixed price is determined based on the weighted-average fixed costs of the underground storage assets. The variable and fixed pricing for peaking supplies are weighted averages determined by the Company's LNG WACOG and the fixed costs for any liquid refill contracts, as well as any variable or fixed costs for supply deals that the Company considers to be peaking assets.
- c. The following citygate purchases were made under the Company's agreement with Constellation LNG, LLC for delivery of up to 14,100 Dth per day to the Company's citygates. The supply call option for these volumes was entered into in advance of the heating season, so a portion of the costs associated with these purchases were assigned to FT-2 marketers in both the FT-2 Peaking Demand Rate as well as the variable rates.

| Date | Quantity (Dth) | Price (per Dth) |
|------------|-------------------|-----------------|
| 11/8/2019 | 7,000 | |
| 11/13/2019 | 1,000 | |

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Redacted
Division 1-27, page 2

| 12/7/2019 | 14,100 | |
|------------|--------|--|
| 12/19/2019 | 9,000 | |
| 1/17/2020 | 14,100 | |
| 1/20/2020 | 14,100 | |
| 1/21/2020 | 14,100 | |
| 2/14/2020 | 14,100 | |

The following citygate purchases were made in the spot market and were not specifically planned for in advance of the heating season, so these costs were not assigned to FT-2 marketers. There were no fixed costs associated with these purchases.

| | Quantity | Price (per |
|-------------|--------------|-------------|
| <u>Date</u> | <u>(Dth)</u> | <u>Dth)</u> |
| 11/12/2019 | 3,000 | \$ 7.000 |
| 3/7/2020 | 5,000 | \$ 1.820 |
| 3/7/2020 | 4,000 | \$ 1.860 |
| 4/22/2020 | 5,000 | \$ 2.000 |

Subpart (c) of this responses contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of this response, subject to a Motion for Protective Treatment

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-28

Request:

Please provide a copy of all contracts governing the acquisition of LNG supplies, services, and tank lease payments in effect during the period April 2019 through July 2020. Indicate how the costs associated with each contract have been or will be recovered.

Response:

Please see Attachment DIV 1-28 for all executed transaction confirmations governing the acquisition of LNG supplies, services, and tank lease payments in effect during the period April 2019 through July 2020. The Company will supplement its response to this data request if additional transaction confirmation(s) within the scope of this request are executed.

Attachment DIV 1-28 contains commercially sensitive and confidential information; therefore, the Company is providing confidential and redacted versions of Attachment DIV 1-28, subject to a Motion for Protective Treatment. The costs associated with each contract have or are proposed to be recovered through the Gas Cost Recovery factor.

REDACTED

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5066
Attachment DIV 1-28
LINGTINY Page 1 of 78
Point Street
103331

1310 Point Street 8th Floor Baltimore, MD 21231 410.470.3500 Telephone www.constellation.com



CONFIRMATION AGREEMENT

This will confirm the agreement reached on **November 5**, 2019 between **CONSTELLATION LNG, LLC** ("Seller") and **THE NARRAGANSETT ELECTRIC COMPANY D/B/A NATIONAL GRID** ("Buyer") (each individually a "Party" and collectively the "Parties") regarding the sale and purchase of liquified natural gas ("LNG") on the following terms and conditions:

1. <u>Commercial Terms</u>. The "Commercial Terms" of this transaction are as set forth below:

| CONSTELLATION LNG, LLC 1310 POINT STREET 8TH FLR BALTIMORE, MD 21231 | |
|---|--|
| The Narragansett Electric Company d/b/a National Grid c/o National Grid 100 East Old County Road Hicksville, New York 11801 Attn: Contract Administration Phone: (516) 545-6068 Fax: (516) 806-4442 | |
| December 1, 2019 through and inclusive of March 31, 2020. | |
| Firm (Variable) LNG Service | |
| On any Day during the Delivery Period, Buyer shall have the right, but not the obligation, to purchase on a Firm basis a "Maximum Daily Quantity" or "MDQ" of LNG not to exceed an MDQ of 21,000 MMBtus (plus any additional quantities required to fill the final LNG Truck to capacity) per Day and a total Contract Quantity of LNG during the Delivery period not to exceed 192,450 MMBtus (plus any additional quantities required to fill the final LNG Truck to capacity). | |
| For Firm delivery service of LNG at the truck loading flange of the Distrigas of Massachusetts LLC marine LNG terminal located in Everett, Massachusetts ("LNG Terminal") for redelivery by Buyer only at its National Grid LNG facilities. | |
| Buyer shall pay to Seller a Contract Price of LNG equal to the following two components: Commodity Rate: For each MMBtu of LNG delivered to Buyer during the Delivery Period, Buyer will pay Seller a rate per MMBtu equal to | |
| | |

Attachment DIV 1-28 Page 2 of 78

Seller in the amount of

for Firm delivery of LNG during the Delivery Period as set forth herein ("Call Payment). The Call Payment shall be paid to Seller in four (4) equal, consecutive monthly installments of each, commencing in December 2019 and continuing through and including March 2020 during the Delivery Period.

(The Commodity Rate and the Call Payment components (each, as stated on a per MMBtu basis) are hereinafter collectively referred to as the "Contract Price" (per MMBtu)).

Special Conditions:

- Nominations: All nominations for delivery of LNG to LNG Trucks shall be made by Buyer by providing notice to Seller not less than 48 hours prior to the Gas Day on which delivery of the LNG is requested.
- Dodd-Frank Compliance: Each party represents and warrants that:
- (i) As of the date hereof, the party that is the offeree of this option represents that it is: (i) a producer, processor, commercial user of, or a merchant handling, the commodity that is the subject of this option, or the products or byproducts thereof; and (ii) entering into this option solely for purposes related to its business as such.
- (ii) As of the date hereof, the party that is the offeror of this option represents that it is an Eligible Contract Participant (as that term is defined in section 1a(18) of the Commodity Exchange Act, as amended, and Commodity Futures Trading Commission Regulation 1.3(m)), or (i) a producer, processor, commercial user of, or a merchant handling, the commodity that is the subject of this option, or the products or byproducts thereof; and (ii) offering or entering into this option solely for purposes related to its business as such.
- (iii) As of the date hereof, each party represents to the other that this option, if exercised, contains a binding obligation that results in the sale of a non-financial commodity for immediate or deferred shipment or delivery.
- Transportation of LNG: Transportation of LNG from the LNG Terminal shall be scheduled solely by Buyer. All costs associated with such transportation, including any surcharges, shall be the responsibility of Buyer.
- 4. Document Conflict: In the event of a conflict between the terms and conditions of the (i) Transaction Confirmation, (ii) LNG Annex, (iii) Special Provisions, and (iv) Base Contract, the terms and conditions of the documents shall govern in the priority listed in this provision.
- 5. Capitalized Terms: Capitalized terms used herein and not

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 3 of 78

otherwise defined shall have the meaning set forth in the Base Contract, as amended by any Special Provisions and the LNG Annex.

All provisions contained or incorporated by reference in the NAESB-BASE CONTRACT FOR SALE AND PURCHASE OF NATURAL GAS dated as of December 19, 2011 between CONSTELLATION LNG, LLC (as assignee from ENGIE Gas & LNG LLC) and THE NARRAGANSETT ELECTRIC COMPANY D/B/A NATIONAL GRID, as amended, will govern this confirmation except as expressly modified herein. Any capitalized terms used herein and not defined shall have the meaning set forth in the Base Contract.

Please confirm that the foregoing correctly sets forth the terms and conditions of our agreement by returning via facsimile to the number 410-468-3540 to the attention of Operations Contract Administration.

We are pleased to have concluded this Transaction with you and look forward to your confirmation of this Transaction.

Regards,

CONSTELLATION LNG, LLC

Fitte: SUP-Wale sale Trading

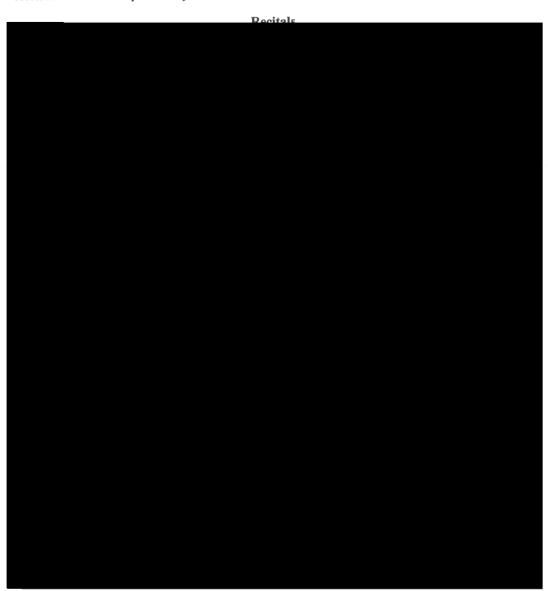
ACKNOWLEDGED AND AGREED:

THE NARRAGANSETT ELECTRIC COMPANY D/B/A NATIONAL GRID

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Equipment Rental and Support Services Agreement

This Equipment Rental and Support Services Agreement (this "Agreement") is entered into this 14 day of August 2019 (the "Effective Date") by and between Prometheus Energy Group Inc., a Delaware corporation ("Prometheus") and its affiliates, and The Narragansett Electric Company d/b/a National Grid ("Customer"). Prometheus and Customer are sometimes hereinafter referred to individually as "Party" and collectively as the "Parties".

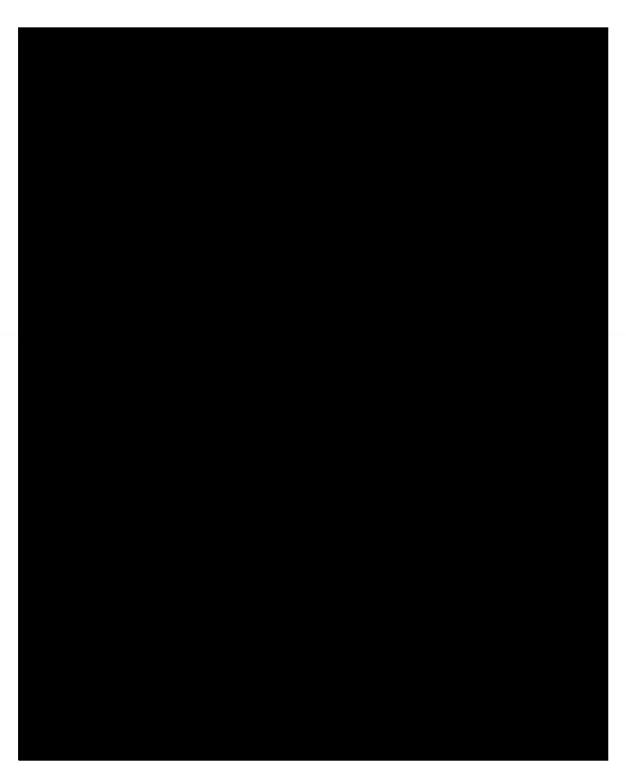


The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28

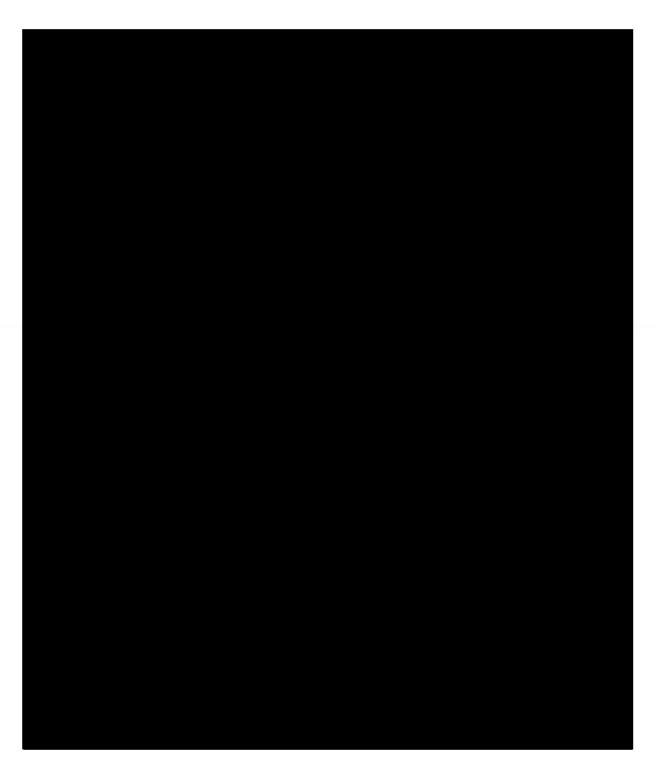
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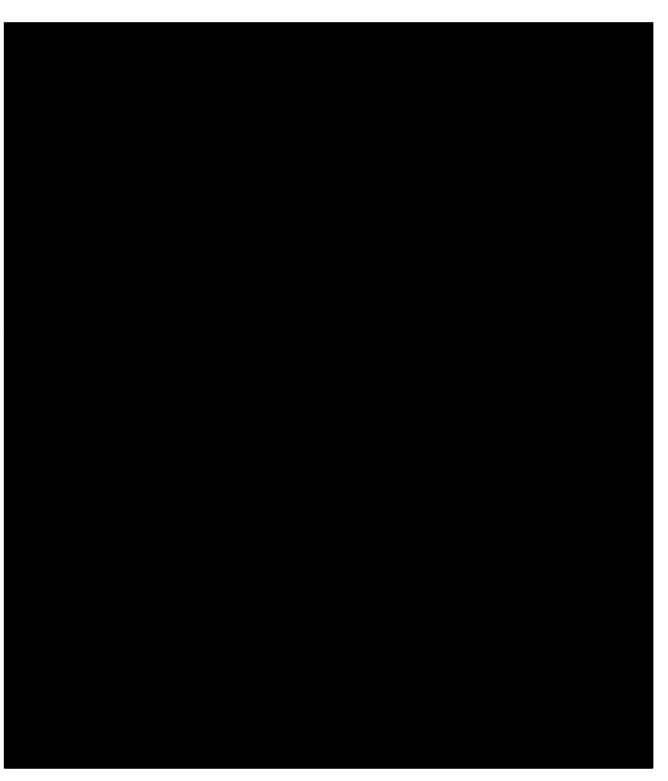


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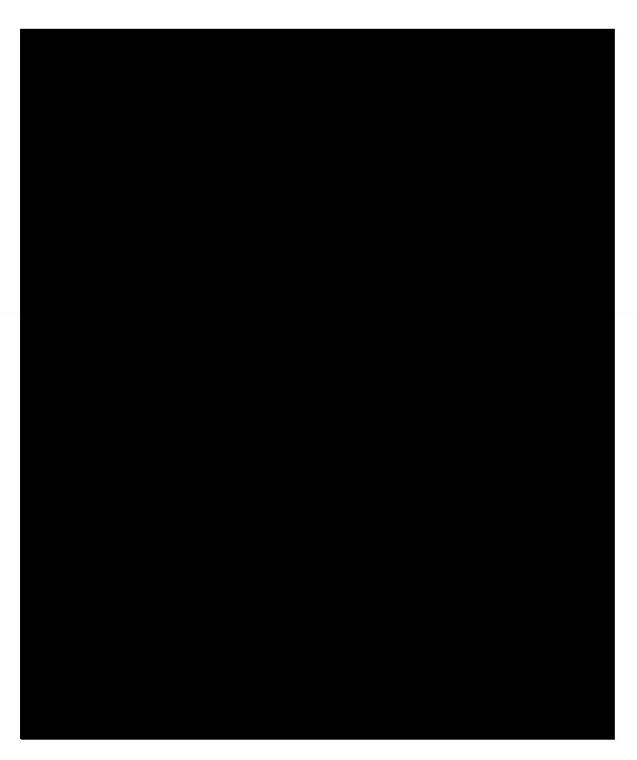


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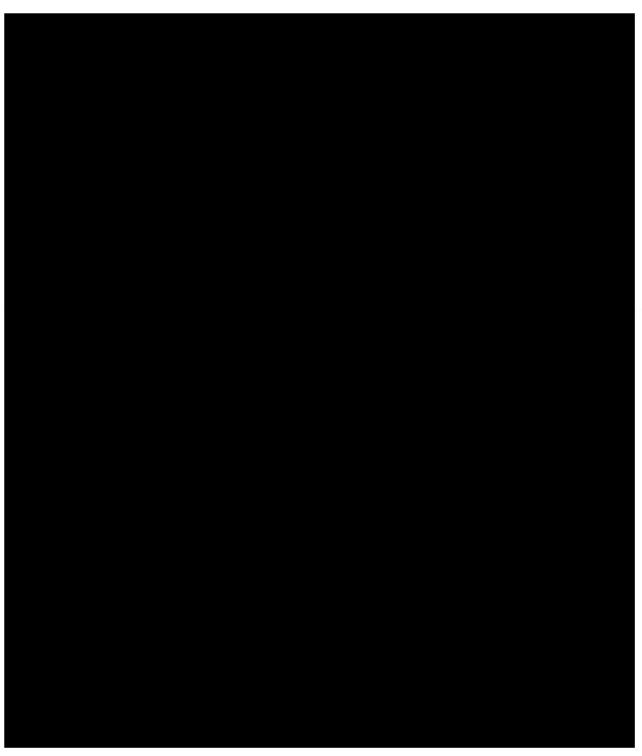
REDACTED

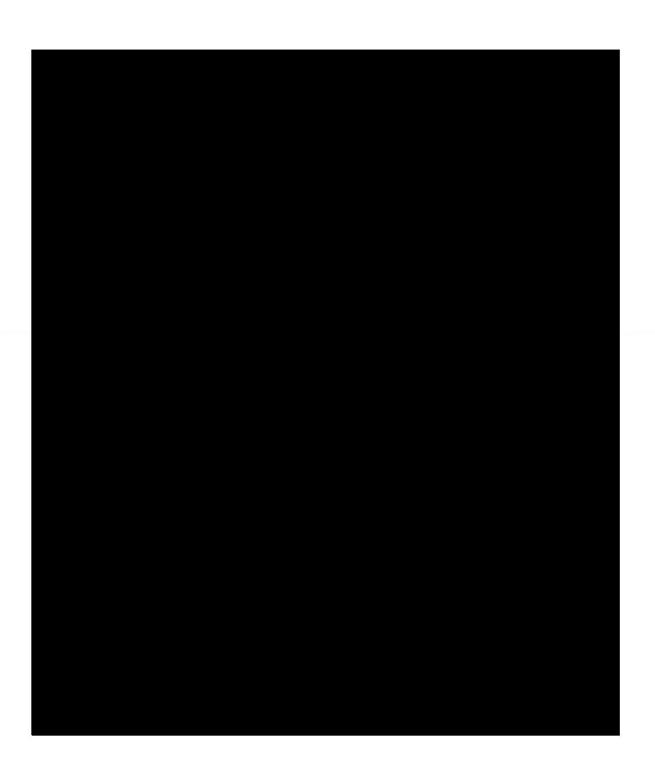


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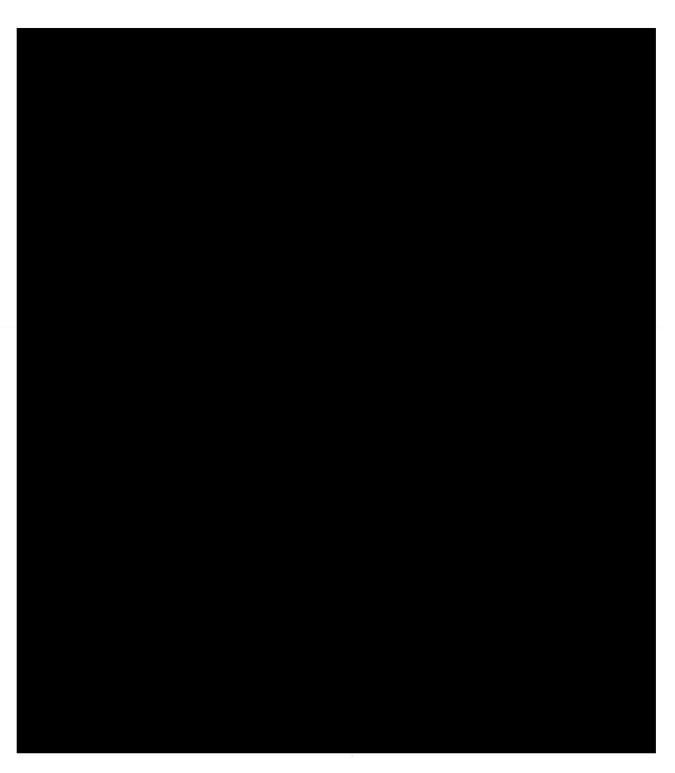
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REDACTED



Attachment DIV 1-28



IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the date set forth above.

The Narragansett Electric Company

pd/b/a National Grid.

Name:

John V. Vaughn

Title: Authorized Signatory

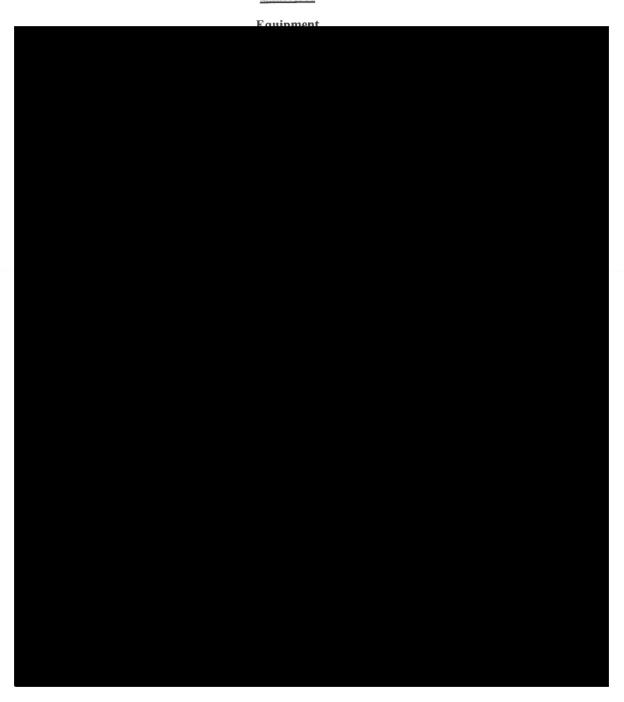
Prometheus Energy Group, Inc. & affiliates

Name: Jim Aivalis

Title: COO

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Exhibit A





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Exhibit B

Pricing



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Exhibit C

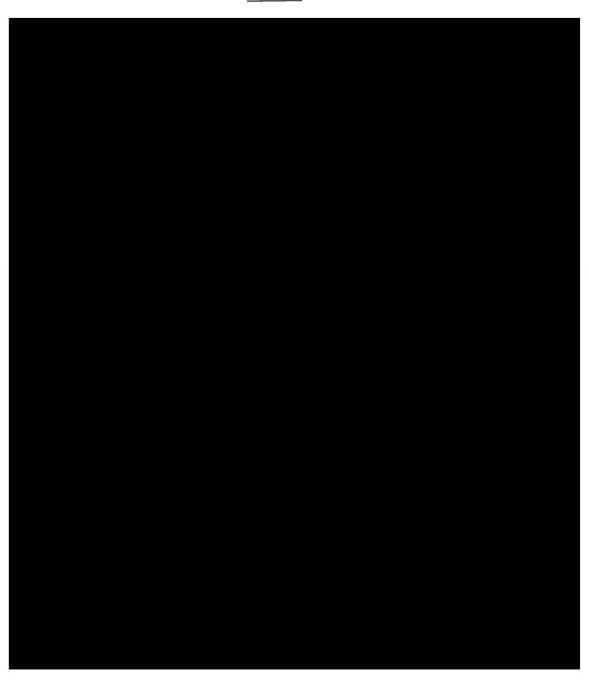


EXHIBIT A

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Transaction Confirmation For Immediate Delivery

GDF SUEZ GAS NA LLC

Date: April 1, 2015

Transaction Confirmation: NSB042-8

This Transaction Confirmation is subject to the Base Contract between Seller and Buyer dated December 19, 2011. The terms of this Transaction Confirmation are binding unless disputed in writing within two (2) Business Days of receipt unless otherwise specified in the Base Contract.

Seller or Party A:

GDF SUEZ Gas NA LLC 20 City Square, Suite 3 Charlestown, MA 02129 Attn: Contract Administration Telephone: (617) 886-8705 Facsimile: (617) 381-8605

Base Contract No.: NSB042

Buyer or Party B:

The Narragansett Electric Company d/b/a National Grid c/o National Grid 40 Sylvan Road, E3/606 Waltham, MA 02451

Attn: Director Gas Supply Planning Telephone: (781) 907-1639

Electronic Mail: john.alloca@NationalGrid.com

Contract Price: Buyer shall pay to Seller a Contract Price per MMBtu of LNG equal to the following two components:

 Commodity Rate: For each MMBtu of LNG delivered to Buyer during the Delivery Period, Buyer will pay to Seller a rate per MMBtu equal to

II. Call Payment: Additionally, for each Contract Season (as defined below) occurring during the Delivery Period, Buyer shall make a non-refundable call payment to Seller in the amount of

or Firm delivery of LNG as set forth herein ("Call Payment"). The Call Payment due and payable during each Contract Season shall be paid to Seller in eight (8) equal, consecutive, monthly installments of each, commencing in April and continuing through and including November of each Contract Season.

(The Commodity Rate and the Call Payment components (each, as stated on a per MMBtu basis) are hereinafter collectively referred to as the "Contract Price" (per MMBtu)).

Notwithstanding the foregoing, if in the event of Force Majeure (as such event is defined in Section 5.7 of the LNG Annex) occurring on any Day during the Delivery Period Seller is unable to deliver the quantity of LNG nominated by Buyer, and as to which Buyer has made a Call Payment, then for each such Day of the period of Force Majeure (and Seller's failure to deliver), Seller shall refund to Buyer a pro rata portion of the Call Payment which shall be determined by multiplying the quantity of LNG nominated by Buyer but not delivered on each such Day by an amount equal to

III. Quantity Reduction Credit: In the event Buyer elects to decrease the total Contract Quantity in any each Contract Season (as set forth below), Seller shall pay to Buyer a monthly "Quantity Reduction Credit" equal to the following:

If positive, (Seventy-Five percent (75%) * Reduction Quantity) * (AGT Rate - Commodity Rate) / 8, where:

AGT Rate = the arithmetic average of the Midpoint price posted for Algonquin, city-gates, as published in the daily issue of Platts Gas Daily under the "Citygates" section of the "Daily Price Survey", for each Day of the Month

The Quantity Reduction Credit shall be due to Buyer in accordance with Section 7 of the Base Contract, commencing in April and continuing through and including November of each such Contract Season where Buyer has elected to reduce such Contract Quantity.

The term "Contract Season" shall mean each eight (8) month period occurring during the term of the Delivery Period under this Transaction Confirmation which commences on each April 1st of one calendar year and runs through and including each November 30th of the same calendar year, as follows:

Contract Season 1: April 1, 2016, through and including November 30, 2016; Contract Season 2: April 1, 2017, through and including November 30, 2017; Contract Season 3: April 1, 2018, through and including November 30, 2018;

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| | Contract Season 4: | April 1, 2019, through and including November 30, 2019; |
|---|--------------------|---|
| l | Contract Season 5: | April 1, 2020, through and including November 30, 2020; |
| ı | Contract Season 6: | April 1, 2021, through and including November 30, 2021; |
| | Contract Season 7: | April 1, 2022, through and including November 30, 2022; |
| | Contract Season 8: | April 1, 2023, through and including November 30, 2023; |
| l | Contract Season 9: | April 1, 2024, through and including November 30, 2024. |
| ı | | |

Delivery Period: April 1, 2016, at 10:00 a.m. Eastern Time (ET) through and including December 1, 2024, at 9:59 a.m. ET.

Performance Obligation and Contract Quantity: Firm Liquid Service

Firm (Variable) Quantity: During each Contract Season, Seller agrees to sell and deliver and Buyer agrees to purchase and receive a quantity of LNG up to but not to exceed: (i) 4,000 MMBtu (up to 4LNG Trucks) of LNG per Day ("Maximum Daily Quantity" or "MDQ"); (ii) 73,000 MMBtu of LNG in any Month ("Monthly Maximum Quantity or "MMQ"); and (iii) a total Contract Quantity for each Contract Season during the Delivery Period of 508,000 MMBtu of LNG, plus any additional quantities required to fill the final LNG Truck to capacity, subject to the following:

Delivery Point(s):

For Firm delivery service of LNG, at the truck loading flange of the Distrigas of Massachusetts LLC marine LNG terminal located in Everett, Massachusetts ("Facility"). Notwithstanding the foregoing, Seller hereby reserves its right to make deliveries to Buyer at Buyer's facilities.

Special Conditions:

- 1) The following is added as a new Section 2.41: "2.41. "Contract Week" shall mean a period of seven (7) days commencing on Monday at 10:00 a.m. ET and running through and including the following Monday, at 9:59 a.m. ET.
- 2) The following sections contained in the Special Provisions shall not apply to service under this Transaction Confirmation: Paragraph 3, Section 2.34; Paragraph 9, Section 3.4, and Paragraph 12, Section 10.2(x).
- 3) Section 4.1 of the LNG Annex is amended as follows: (i) Requests for delivery(ies) of LNG, including dispatch instructions, or variations in rate of delivery; and (ii) requests for delivery of LNG to LNG Trucks, shall be made by Buyer upon providing Notice to Seller not less than ten (10) Business Days prior to the commencement of such Month of delivery. Seller shall confirm Buyer's request(s) and provide to Buyer a schedule of deliveries, including quantities and dates of delivery within three (3) Business Days of receipt. Upon such confirmation, a "Nomination(s)" for LNG shall have occurred which shall also constitute a Firm obligation under the Base Contract. The schedule shall be mutually agreed to by the parties and may be adjusted by either party, upon providing Notice to the other party not later than Wednesday of each Contract Week in such Month of delivery.
- 4) Estimated Schedule of LNG Delivery(ies). Notwithstanding anything contained in Paragraph 3 herein, not less than thirty (30) Days prior to the commencement of each Contract Season during the Delivery Period, Buyer shall provide to Seller a schedule showing the estimated quantities of LNG to be taken in each Month of the current Contract Season during the Delivery Period. The schedule to be provided to Seller pursuant to this section shall not be binding on Buyer but rather shall serve as a guide to aid Seller in planning deliveries of LNG.
- 5) Option to defer a Firm Obligation:

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- 6) Transportation/Transportation Costs: The Parties shall use reasonable efforts to schedule deliveries during mutually agreeable times during Business Days. All costs associated with deliveries of LNG at the Facility shall be the responsibility of Buyer unless as otherwise provided for below.
 - I. Seller shall have the right to require Buyer to receive deliveries of LNG on at least four (4) Weekend Days during the Month (unless otherwise agreed to by the Parties). Such Weekend Day deliveries may be scheduled by either Party provided that (i) receipt of such Weekend Day deliveries of LNG will not operationally impact or constrain Buyer and (ii) either (a) Seller agrees to compensate Buyer for any agreed to incremental costs incurred by Buyer if transportation is scheduled by Buyer, or, (b) Buyer agrees to compensate Seller for costs as set forth in (III) below if transportation is scheduled by Seller. For purposes herein, a "Weekend Day" shall be any Saturday or Sunday of each Month (and which does not also constitute a Holiday).
 - II. Seller shall notify Buyer within forty-eight (48) hours of a scheduled delivery in the event Seller elects to make deliveries to Buyer at the facility(ies) so designated by Buyer at the time of scheduling. Any transporter retained by Seller to make deliveries of LNG to Buyer at Buyer's facilities must (i) be approved by Buyer, and (ii) abide by Buyer's safety requirements relating to LNG transportation services.
 - III. Transportation costs incurred by Seller in the event Seller arranges for transportation and makes deliveries of LNG to Buyer at Buyer's facilities on any Business or Weekend Day shall be paid for by Seller provided that Seller shall receive a credit equal to the lesser of: (i) \$0.55 per MMBtu, or (ii) the unit price that would have otherwise been paid by Buyer under its current trucking agreements for deliveries of LNG to its facility(ies). Upon request, Buyer shall provide documentation satisfactory to Seller to support Buyer's trucking costs.
- 7) Any reimbursement(s) due to Buyer and any credit(s) due to Seller, if any, incurred under this Transaction Confirmation shall be netted against Seller's invoice to Buyer in accordance with Section 7 of the Base Contract.
- 8) PUC Consent: The LNG service contemplated under this Transaction Confirmation is contingent upon receipt by Buyer of an indication of support from the Rhode Island Public Utilities Commission ("PUC"). Buyer shall use reasonable efforts to determine whether the PUC is supportive of this transaction on or before March 1, 2016. In the event that Buyer determines, in its sole discretion, the PUC is not supportive of this transaction, Buyer shall provide prompt notification to Seller. Upon such notification, this Transaction Confirmation shall be immediately cancelled and rendered null and void. Each Party shall be released and discharged from any further rights, liabilities and obligations to the other Party with respect to this Transaction Confirmation as of such date of termination. In the event this Transaction Confirmation is cancelled and rendered null and void as a result of lack of support from the PUC, the Parties agree to use good faith efforts to timely negotiate a replacement Transaction Confirmation for the LNG services contemplated herein.
- 9) Dodd-Frank Reporting: The parties agree that service under this Transaction Confirmation represents a Commodity Trade Option, meaning a "commodity option" as defined in CFTC Regulation 1.3(hh) entered into pursuant to CFTC Regulation 32.3 (a), and as of the Trade Date:
 - (i) Seller is: (1) a producer, processor, commercial user of, or a merchant handling, the commodity that is the subject of the Commodity Trade Option, and (2) entering into the Commodity Trade Option solely for purposes related to its business as such;
 - (ii) Buyer is: (1) a producer, processor, commercial user of, or a merchant handling, the commodity that is the subject of the Commodity Trade Option, and (2) entering into the Commodity Trade Option solely for purposes related to its business as such; and
 - (iii) Each party represents to the other party the Commodity Trade Option, if exercised, contains a binding obligation that results in the sale of an "exempt commodity" as defined in Section 1a(20) of the CEA for immediate or deferred shipment or delivery.

Seller shall report this Commodity Trade Option pursuant to the Form TO under the CFTC Regulations and Buyer will report

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everything that is required to be reported by it under CFTC Regulation Part 32.

Each party agrees to promptly provide the other party with any information reasonably requested by the other party to enable such other party to comply with Title VII of the Dodd-Frank Wall Street Reform and Consumer Protection Act and CFTC Regulation in connection with this Commodity Trade Option.

- 10) This Transaction Confirmation No. NSB042-8 shall be executed simultaneously with that certain related Transaction Confirmation No. NSB042-7. Service hereunder is contingent upon the simultaneous execution of both Transaction Confirmation Nos. NSB042-7 and NSB042-8 by both Parties. In the event that both such Transaction Confirmations are not signed simultaneously by the Parties, this Transaction Confirmation No. NSB042-8 shall be immediately cancelled and rendered null and void without ever having been effected. Each Party shall be immediately released and discharged from any further rights, liabilities and obligations to each other with respect to this Transaction Confirmation as of such date of cancellation
- 11) Seller and Buyer acknowledge and agree that for purposes of LNG sales described in this Transaction Confirmation, the terms and conditions of the Base Contract, as modified and supplemented by the terms and conditions of the Special Provisions and the LNG Annex, shall govern all sales of LNG; provided however, that in the event of a conflict between the terms and conditions of (i) the Transaction Confirmation, (ii) the LNG Annex, (iii) the Special Provisions, and (iv) the Base Contract, the terms and conditions of the documents shall govern in the priority listed in this provision.
- 12) Capitalized terms used herein and not otherwise defined shall have the meaning set forth in the Base Contract, as amended by any Special Provisions, and the LNG Annex.

Seller or Party A:

GDF SUEZ Gas NA LLC

Name: Title: Date:

Francis J. Katulak President & CEO April <u>2</u>, 2015

Buyer or Party B:

The Narragansett Electric Company d/b/a National Grid

Ву: Vaugnn Name: John Title:

Authorized Signator Date:

JAW-DA

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Page 22 of 78 Amendment ID# 3766 \ LTD CONTRACT ID# 4164 4162000001

AMENDMENT No. 1 To

TRANSACTION CONFIRMATION NSB042-8

This Amendment No. 1 ("Amendment No. 1"), dated as of January 25, 2016, is made to that certain Transaction Confirmation NSB042-8, entered into by and between ENGIE Gas & LNG LLC, formerly known as GDF SUEZ Gas NA LLC ("Seller" or "Party A") and The Narragansett Electric Company d/b/a National Grid ("Buyer" or "Party B") and dated April 1, 2015 ("TC NSB042-8"). Seller and Buyer are collectively referred to herein as the "Parties."

WHEREAS, Seller and Buyer now wish to amend TC NSB042-8 as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Buyer and Seller agree to amend TC NSB042-8 as follows:

Effective as of the date hereof, Paragraph 8 contained in the Special Conditions section of TC NSB042-8 is hereby changed and amended by deleting the second and third sentences thereof in their entirety and replacing them with the following:

"Buyer shall use due diligence to obtain and provide satisfactory evidence of such regulatory approval for this Transaction Confirmation to Seller within two (2) Business Days of its receipt and not later than April 1, 2016. Notwithstanding the Delivery Period set forth herein, and subject to Buyer's nomination procedures set forth herein, services for deliveries of LNG hereunder shall not commence until such approval is received by Seller. In the event the DPU rejects Buyer's request and does not grant regulatory approval for the LNG services herein (and such satisfactory evidence of the DPU's rejection is provided to Seller within two (2) Business Days of issuance), or such regulatory approval by the DPU has not been granted by April 1, 2016, this Transaction Confirmation shall be immediately cancelled and rendered null and void."

IN WITNESS WHEREOF, the Parties have caused this Amendment No. 1 to be executed by their duly authorized representatives as of the date hereinabove written.

ENGIE Gas & LNG LI

Signature: Name:

Title:

Rudolph R. Adamiak

Senior Vice President

The Narragansett Electric Company d/b/a National Grid

Signature:

Name: Title:

John V. Vaudh orized



Ansender 12 # 3824 1000006546 (TO CONTRACT 12 # 4164)

Amendment No. 2 to Transaction Confirmation No. NSB042-8

This Amendment No. 2 ("Amendment No. 2"), dated as of March 24, 2016, is made to that certain Transaction Confirmation NSB040-5 dated as of April 1, 2015 ("TC-NSB042-8"), entered into by and between ENGIE Gas & LNG LLC, formerly known as GDF SUEZ Gas NA LLC ("Seller" or "Party A") and The Narragansett Electric Company d/b/a National Grid ("Buyer" or "Party B"). Seller and Buyer are collectively referred to herein as the "Parties."

WHEREAS, the Parties entered into that certain 2006 North American Energy Standards Board, Inc. ("NAESB") Base Contract for Sale and Purchase of Natural Gas effective as of December 19, 2011, as supplemented and modified by the Special Provisions dated as of December 19, 2011, the Liquefied Natural Gas Annex dated as of December 19, 2011, and this Transaction Confirmation No. NSB042-8 dated as of April 1, 2015, (together, the "NAESB Base Contract").

WHEREAS, Seller and Buyer have amended certain provisions contained TC NSB042-8 under that certain Amendment No. 1 dated as of January 25, 2016 (the NAESB Base Contract, and this Amendment No. 1, collectively hereinafter referred to as the "Base Contract"), and

WHEREAS, Seller and Buyer wish to further amend certain provisions contained in TC NSB042-8 as set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, Buyer and Seller agree to amend TC NSB042-8 as follows:

 The first paragraph of Section II. Call Payment contained in the Contract Price section of TC NSB042-8 is hereby deleted in its entirety and replaced with the following language:

"II. Call Payment: Additionally, for Contract Seasons 2 through 5 (as defined below)

occurring during the Delivery Period, Buyer shall make a non-refundable call payment to Seller in the amount of

for Firm delivery of LNG in each such Contract Season ("Call Payment"). The Call Payment due and payable during each of these Contract Seasons 2 through 5 shall be paid to Seller in eight (8) equal, consecutive, monthly installments of each, commencing in April and continuing through and including November for each such Contract Season (2 through 5); provided, however, that for only Contract Season 1, Buyer shall pay to Seller a nonrefundable Call Payment in the amount of

The Call Payment due in Contract Season 1 shall be paid to Seller in six (6) equal, consecutive, monthly installments of each and one (1) final payment of commencing in May 2016 through and including November 2016 of Contract Season 1."



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 The term "Contract Season" as it is contained in the Contract Price section of TC NSB042-8, is hereby deleted in its entirety and replaced with the following amended and modified definition:

"The term "Contract Season" shall mean each eight (8) month period occurring during the term of the Delivery Period under this Transaction Confirmation which commences on each April 1st of one calendar year and continues through and including each November 30th of the same calendar year; provided, however that Contract Year 1 shall commence on May 15, 2016, and continue through and including November 30th of the same contract year, as follows:

"Contract Season 1: May 15, 2016, through and including November 30, 2016; Contract Season 2: April 1, 2017, through and including November 30, 2017; Contract Season 3: April 1, 2018, through and including November 30, 2018; Contract Season 4: April 1, 2019, through and including November 30, 2019; Contract Season 5: April 1, 2020, through and including November 30, 2020."

"For the avoidance of doubt, Contract Seasons 6 through 9 as contained in the original Transaction Confirmation are hereby deleted in their entirety."

3. The Delivery Period contained in TC NSB042-8 is hereby deleted in its entirety and replaced with the following amended and modified period:

"May 15, 2016, at 10:00 a.m. Eastern Time (ET) through and including December 1, 2020, at 9:59 a.m. ET."

4. The first paragraph contained under the Performance Obligation and Contract Quantity section of TC NSB042-8 is hereby amended and modified as follows:

"For only Contract Season 1, the total Contract Quantity of LNG available to Buyer is reduced and restated from 508,000 MMBtu to 412,750 MMBtu, plus any additional quantities required to fill the final LNG Truck to capacity. For the avoidance of doubt, the MDQ and MMQ shall remain the same for Contract Season 1."

5. Paragraph 8 contained in the Special Conditions section of TC NSB042-8 is hereby further amended and modified by deleting the second and third sentences thereof in their entirety and replacing them with the following:

"Buyer shall use due diligence to obtain and provide satisfactory evidence of such regulatory approval for this Transaction Confirmation to Seller within two (2) Business Days of its receipt and not later than May 15, 2016. Notwithstanding the Delivery Period set forth herein, and subject to Buyer's nomination procedures set forth herein, services for deliveries of LNG hereunder shall not commence until such approval is received by Seller. In the event the DPU rejects Buyer's request and does not grant regulatory approval for the LNG services herein (and such satisfactory evidence of the DPU's rejection is provided to Seller within two (2) Business Days of issuance), or such

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regulatory approval by the DPU has not been granted by May 15, 2016, this Transaction Confirmation shall be immediately cancelled and rendered null and void."

- Capitalized terms used herein but not otherwise defined in this Amendment No. 2 shall have the meaning ascribed to them in the Base Contract and TC NSB042-8, as amended.
- 7. Except as expressly amended, modified and supplemented herein, all of the terms and conditions of the Base Contract shall remain in full force and effect. In the event of a conflict between the terms and conditions of the Base Contract, and this Amendment No. 2, the terms and conditions of this Amendment No. 2 shall govern.

IN WITNESS WHEREOF, the Parties have caused this Amendment No. 2 to be executed by their duly authorized representatives as of the date hereinabove written.

ENGIE Gas & LNG LLC

 $1/000 \int 0$

Name: Rudolph R. Adamiak
Title: Senior Vice President

Senior Vice President

The Narragansett Electric Company

Name: John Vaught Title: Authorized Signatory

d/b/a National Grid

By:

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THIRD AMENDMENT TO TRANSACTION CONFIRMATION: NSB042-8

This Third Amendment to Transaction Confirmation NSB042-8 ("Third Amendment") is made and entered into this 6th day of December, 2019, by and between The Narragansett Electric Company d/b/a National Grid ("Buyer") and Constellation LNG LLC ("Seller"). Buyer and Seller are sometimes collectively referred to herein as the "Parties" or individually as a "Party."

WITNESSETH:

WHEREAS, Buyer and ENGIE Gas & LNG LLC (f.k.a. GDF Suez Gas NA LLC) were parties to that certain Transaction Confirmation NSB042-8 dated as of April 1, 2015 as amended from time to time (the "Transaction Confirmation"), which was assigned by ENGIE Gas & LNG LLC to Seller effective October 1, 2018; and

WHEREAS, the Parties desire to further amend the Transaction Confirmation as set forth below.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and intending to be legally bound, Buyer and Seller agree as follows:

- 1. The "Contract Season" for Contract Season 4 is hereby extended from November 30, 2019 to and including December 6, 2019.
- 2. This Third Amendment may be executed in multiple counterparts, each of which shall be deemed an original, and all of which taken together shall constitute one and the same agreement. This Third Amendment may be executed and delivered by facsimile, electronic communication in portable document format (.pdf), or similar transmission. Any such facsimile or electronic signature shall have the same legal effect as manual signatures.
- 3. Except as amended herein, the Transaction Confirmation shall continue in full force and effect according to its original terms and conditions.

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute this Third Amendment to Transaction Confirmation on the date first set forth above.

| National Grid | Constellation DNG, LLC | |
|-----------------------------|------------------------|--|
| By: | By: b) By an area | |
| Name: John V. Vaughn | Name: Ravi Ganti | |
| Title: Authorized Signatory | Title: Vice President | |
| | | |

The Narragansett Electric Company d/b/a National Grid

d/b/a National Grid RIPUC Docket No. 5066

Attachment DIV 1-28 Page 27 of 78

Arrendment 10+4221 LTD CONTRACT 10 # 4164

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Natiagance +

Prag, Janet A. (Marketing)

From: Cahill, Edward < Edward.Cahill@na.engie.com>

Sent: Tuesday, February 28, 2017 2:48 PM

To: Jaffe, Samara A. (Marketing)

Cc: Arangio, Elizabeth C. (Marketing); Allocca, John E. (Marketing); Papetti, Dino C.

(Marketing); Spencer, Brian D. (Marketing); Prag, Janet A. (Marketing); Culliford, Nancy

G. (Marketing); Guadagno, Saundra; Taake, Steven

Subject: EXT || RE: Reduction Quantity Election Under each of NSB039-11, NSB040-5 and

NSB042-8

Hi Samara

I have received your email regarding the Firm Liquid Service Reduction Quantity Election and will check the resulting MMQ's and MDQ's and revert shortly.

Thanks

Ed

From: Jaffe, Samara A. (Marketing) [mailto:Samara.Jaffe@nationalgrid.com]

Sent: Tuesday, February 28, 2017 2:40 PM

To: Cahill, Edward

Cc: Arangio, Elizabeth C. (Marketing); Allocca, John E. (Marketing); Papetti, Dino C. (Marketing); Spencer, Brian D. (Marketing); Prag, Janet A. (Marketing); Culliford, Nancy G. (Marketing); Guadagno, Saundra; Taake, Steven

Subject: Reduction Quantity Election Under each of NSB039-11, NSB040-5 and NSB042-8

Importance: High

Good afternoon Ed!





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The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 28 of 78

Please confirm you are in agreement with the resulting MMQs and MDQs and contact me if you have any questions.

Thank you!

Samara Jaffe

nationalgrid
Program Manager- FERC Compliance & Contracting
100 E. Old Country Road
Hicksville, NY 11801
T: (516) 545-5408
C: (516) 418-9906
AIM: SamaraKeySpan

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Contract 1D#1810

LNG003

SERVICE AGREEMENT (Applicable to Service Under Rate Schedule FST-LG)

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This Agreement, is made and entered into this <u>life</u> day of <u>December</u>, 1998, by and between Algonquin LNG, Inc., a Delaware corporation (hereinafter referred to as "ALNG") and Providence Gas Company a (hereinafter referred to as "Customer" whether one or more persons).

WHEREAS, Customer desires to obtain from ALNG firm storage service pursuant to the terms and conditions of ALNG's Rate Schedule FST-LG; and

WHEREAS, in order for ALNG to provide the firm service Customer desires ALNG must install certain additional facilities and in connection therewith Customer and ALNG have entered into a precedent agreement dated **December!** 1998 ("Precedent Agreement") to provide for certain terms and conditions related to the firm service to be provided pursuant to this Agreement; and

WHEREAS, pursuant to the terms and conditions of the Precedent Agreement and this Agreement ALNG desires to provide firm service to customer;

In consideration of the premises and of the mutual covenants herein contained, the parties do agree as follows:

ARTICLE I QUANTITY OF LNG TO BE STORED

Subject to the terms, conditions and limitations hereof and of ALNG's Rate Schedule FST-LG, ALNG agrees to:

- receive for Customer's account and inject into its storage facility liquefied natural gas ("LNG") in liquid form;
- store up to a maximum quantity at any one time of 600,000 Dth, to constitute Customer's Contract Storage Quantity ("CSQ"); and
- withdraw up to a Maximum Daily Withdrawal Quantity ("MDWQ") of 95,000 Dth/d of stored gas as requested by Customer and deliver it to Customer or for Customer's account.

SERVICE AGREEMENT (Applicable to Service Under Rate Schedule FST-LG) (continued)

ARTICLE II TERM OF AGREEMENT

2.1 This Agreement shall be effective as of the date first above written. Service under this Agreement shall commence on the date specified by ALNG in ALNG's written notification to Customer that all conditions precedent set forth in the Precedent Agreement have been satisfied or waived and that all necessary facilities are completed and available for service, which date will not be prior to November 1, 1999. After service commences under this Agreement, this Agreement shall continue in effect until and including May 1, 2009 ("Primary Term") and shall remain in force from year-to-year thereafter unless terminated by either party pursuant to Section 12 of the General Terms and Conditions; provided, however, that subject to twelve months prior written notice, Customer shall have the right to extend the term of this Agreement through and including May 1, 2019. In the event that the Precedent Agreement is terminated for any reason other than commencement of service pursuant to this Agreement, then service under this Agreement shall not commence and this Agreement shall be null and void.

ARTICLE III RATE SCHEDULE AND ADJUSTMENTS

3.1 Customer shall pay for all services rendered hereunder and for the availability of such service under ALNG's Rate Schedule FST-LG, as filed with the Federal Energy Regulatory Commission, and as the same may be hereafter revised or changed. The rate to be charged Customer for storage hereunder shall not be more than the maximum rate under Rate Schedule FST-LG, nor less than the minimum rate under Rate Schedule FST-LG.

Customer agrees that ALNG shall have the unilateral right to file with the appropriate regulatory authority and make changes effective in (a) the rates and charges applicable to service pursuant to ALNG's Rate Schedule FST-LG, (b) ALNG's Rate Schedule FST-LG, pursuant to which service hereunder is rendered or (c) any provision of the General Terms and Conditions applicable to Rate Schedule FST-LG. ALNG agrees that Customer may protest or contest the aforementioned fillings, or may seek authorization from duly constituted regulatory authorities for such adjustment of ALNG's existing FERC Gas Tariff as may be found necessary to assure that the provisions in (a), (b), or (c) above are just and reasonable.

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SERVICE AGREEMENT (Applicable to Service Under Rate Schedule FST-LG) (continued)

ARTICLE IV ADDRESSES

Except as herein otherwise provided, or as provided in the General Terms and Conditions of ALNG's FERC Gas Tariff, any notice, request, demand, statement, bill or payment provided for in this Agreement, or any notice which any party may desire to give to the other, shall be in writing and shall be considered as duly delivered when mailed by registered, certified, or first class mail to the post office address of the parties hereto, as the case may be, as follows:

(a) Pipeline: Algonquin LNG, Inc. 5400 Westheimer Ct. Houston, Tx 77056

(b) Customer: Providence Gas Company 100 Weybosset Street Providence, RI 02903

or such other address as either party shall designate by formal written notice.

ARTICLE V RATE SCHEDULES AND GENERAL TERMS AND CONDITIONS

This Agreement and all terms and provisions contained or incorporated herein are subject to the provisions of ALNG's applicable rate schedules and of ALNG's General Terms and Conditions on file with the Federal Energy Regulatory Commission, or other duly constituted authorities having jurisdiction, and as the same may be legally amended or superseded, which rate schedules and General Terms and Conditions are by this reference made a part hereof.

ARTICLE VI INTERPRETATION

The interpretation and performance of this Agreement shall be in accordance with the laws of the state of Rhode Island, excluding conflicts of law principles that would require the application of the laws of a different jurisdiction.

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SERVICE AGREEMENT
(Applicable to Service Under Rate Schedule FST-LG)
(continued)

ARTICLE VII AGREEMENTS BEING SUPERSEDED

This Agreement shall supersede (as of the date of commencement of service hereunder as specified in ARTICLE II of this Agreement) the following agreements between the parties hereto for the storage of natural gas by ALNG for Customer:

Rate Schedule X-4, dated October 1, 1971, included in ALNG's FERC Gas Tariff, Fourth Revised Volume No. 2; and Rate Schedule FST-LG service agreement dated November 1, 1993.

LNG003

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The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 33 of 78

SERVICE AGREEMENT (Applicable to Service Under Rate Schedule FST-LG) (continued)

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their respective agents thereunto duly authorized, the day and year first above written.

ALGONQUIN LNG, INC.

By: Jellaney ON

Title: VICE PRESIDENT

PROVIDENCE GAS COMPANY

By: Jam, on it

Title: Sp. J.A.

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 34 of 78

Duke Energy,

Duke Energy,

Gas Transmission

A Duke Energy Company

Gregory J. Rizzo Sr. Vice President Marketing & Capacity Management Duke Energy Gas Transmission Corporation 5400 Westheimer Ct. (6J70) Houston, TX 77056-5310

Mailing Address
P.O. Box 1642
Houston, TX 77251-1642
(713) 627-4707 OFFICE
(713) 627-4727 FAX
gjrizzo@duke-energy.com

November 22, 2002

T000000395

New England Gas Company, Successor to Providence Gas Company 100 Weybosset Street Providence, RI 02903 Attn: Gary Beland, Director, Gas Supply

Re: Amendment to discount agreement dated November 11, 1999

Dear Gary:

Algonquin LNG, LP ("ALNG"), formerly Algonquin LNG, Inc., and New England Gas Company, successor to Providence Gas Company ("NEGCo"), are parties to that certain agreement (the "Discount Agreement") dated November 11, 1999, whereby ALNG agreed to charge NEGCo and NEGCo agreed to pay ALNG a discounted rate for service under Contract No. LNG003. ALNG and NEGCo desire to extend the Discount Term of the Discount Agreement as set forth herein. In consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, ALNG and NEGCo hereby agree as follows:

- 1. The first sentence of the second paragraph of the Discount Agreement shall be revised as follows: "This Agreement shall become effective on the date upon which service under the Service Agreement commences and shall remain in effect through and including November 09, 2005."
- 2. Except as set forth in Paragraph 1 above, all other terms and conditions of the Discount Agreement shall remain unchanged.

If the terms and conditions set forth herein are in accordance with your understanding of our agreement, please have a duly authorized officer execute both copies of this

Page 35 of 78

Amendment to November 11, 1999 Discount Agreement November 22, 2002 Page 2

Amendment to the Discount Agreement in the space provided below and return one fully executed original to ALNG.

Very truly yours,

ALGONQUIN LNG, LP By its General Partner Algonquin Energy, Inc.

Gregory J. Rizzo, Senior Vice Presiden

ACCEPTED AND AGREED TO THIS ___ DAY OF NOVEMBER, 2002

NEW ENGLAND GAS COMPANY, successor to PROVIDENCE GAS COMPANY

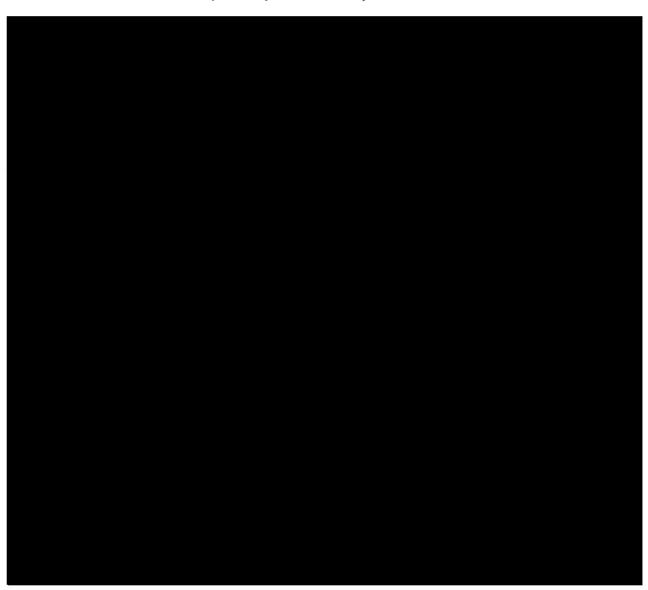
Name: Sharon Partridge

Title: Vice President Finance

APPROVED AS TO

Equipment Rental and Support Services Agreement

This Equipment Rental and Support Services Agreement (this "Agreement") is entered into this 12 th day of September, 2018 (the "Effective Date") by and between Prometheus Energy Group Inc., a Delaware corporation ("Prometheus"), and The Narragansett Electric Company d/b/a National Grid ("Customer"). Prometheus and Customer are sometimes hereinafter referred to individually as "Party" and collectively as the "Parties".



The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

Attachment DIV 1-28

Page 37 of 78

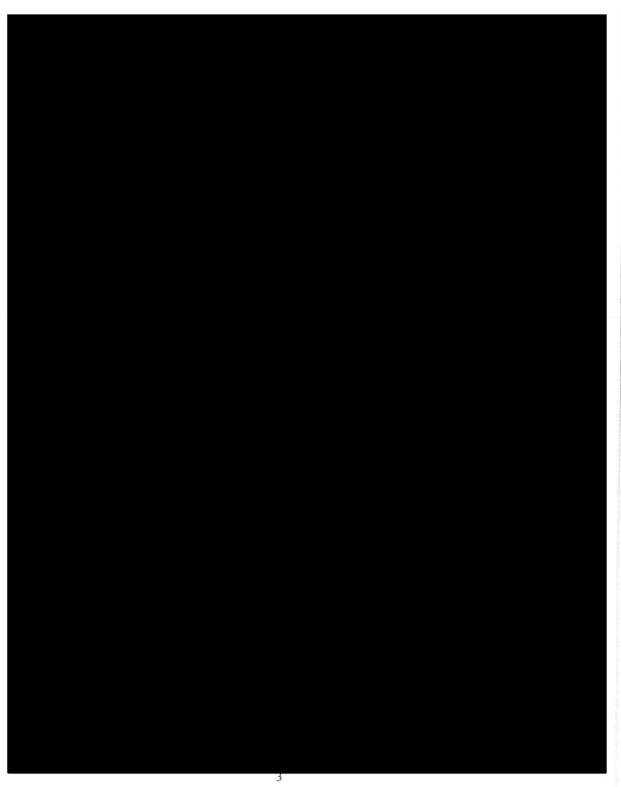


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The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

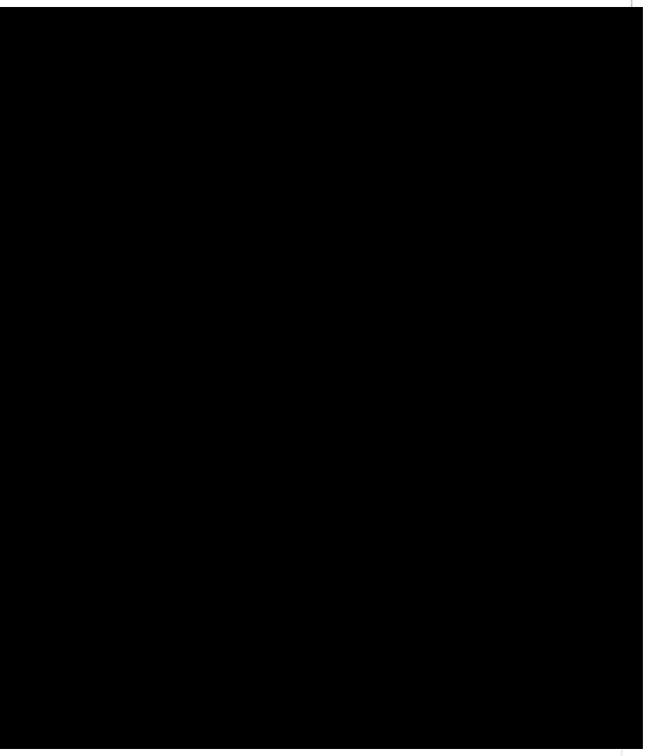
Attachment DIV 1-28

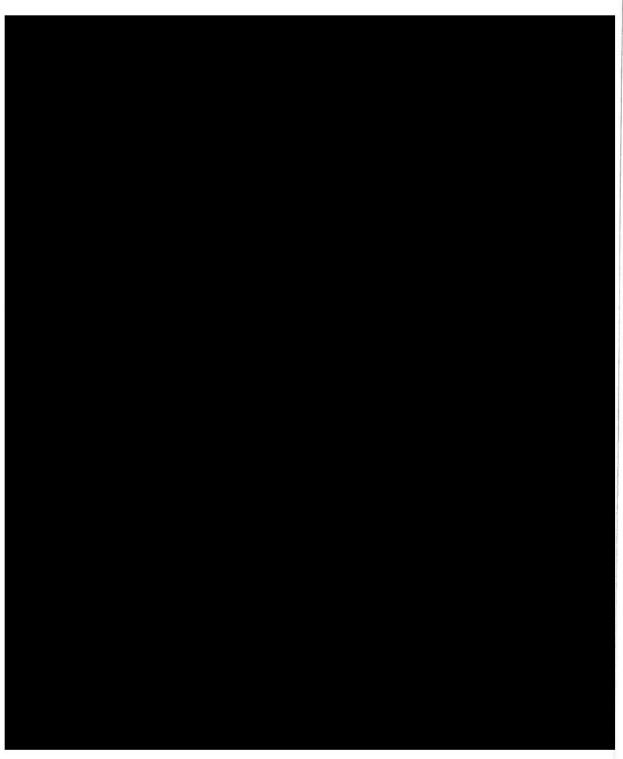
Page 38 of 78



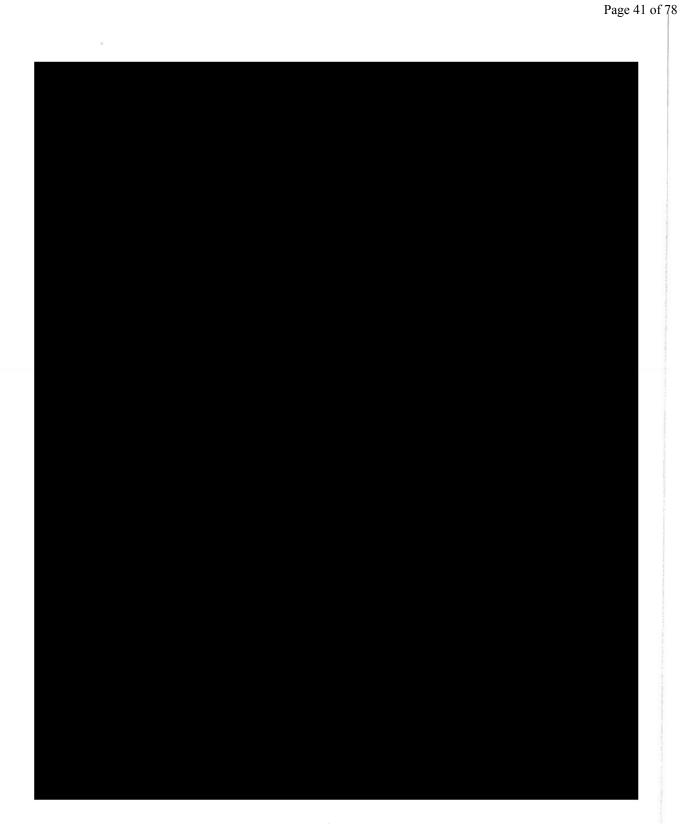
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Attachment DIV 1-28 Page 39 of 78





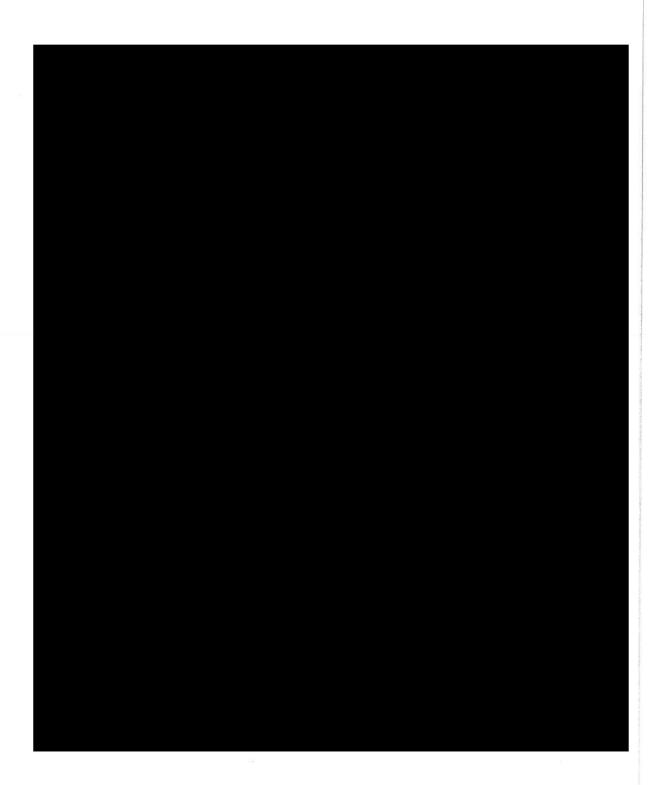
Attachment DIV 1-28



Attachment DIV 1-28 Page 42 of 78



Attachment DIV 1-28 Page 43 of 78

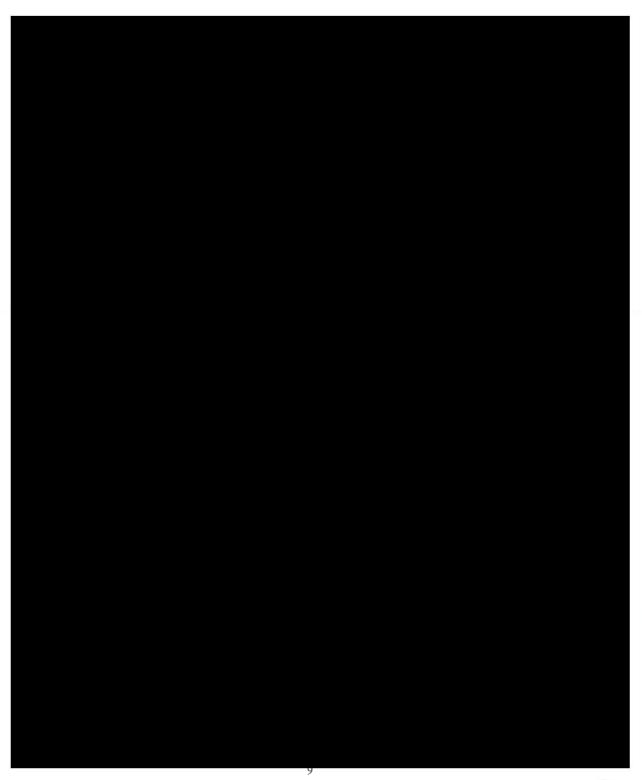




The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066

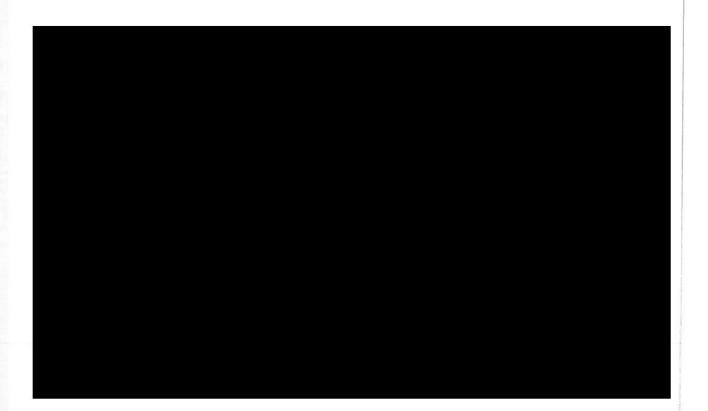
REDACTED

Attachment DIV 1-28
Page 44 of 78



Attachment DIV 1-28

Page 45 of 78



IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on the date set forth above.

The Narragansett Electric Company

d/b/a National Grid.

Ву:

Title: Authorized Signatory

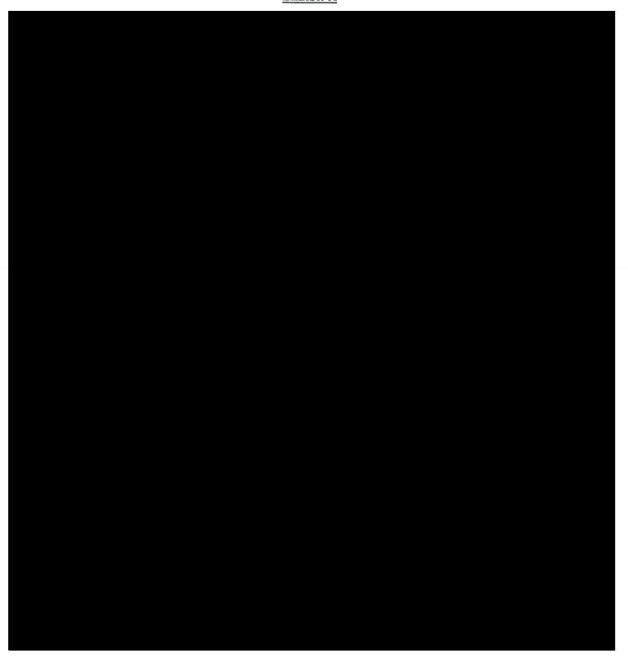
Prometheus Energy Group, Inc.

Name: Jim Aivalis

Title: CEO & President

Page 46 of 78

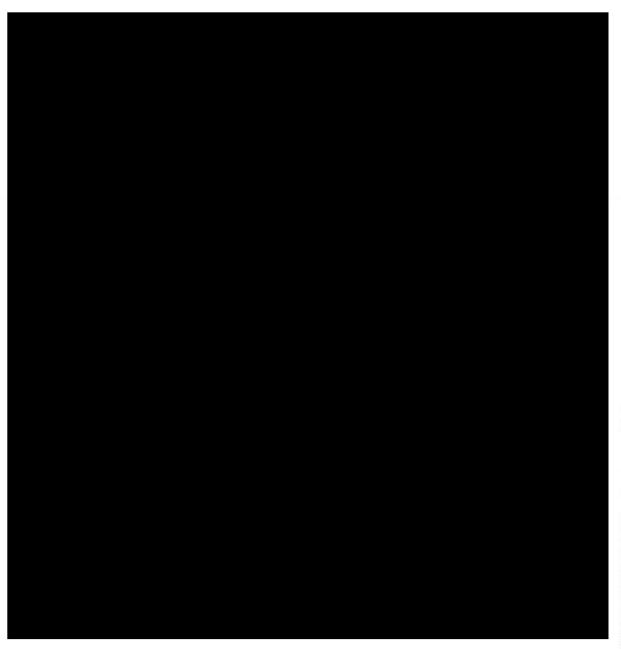
Exhibit A



The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28

Page 47 of 78

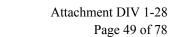
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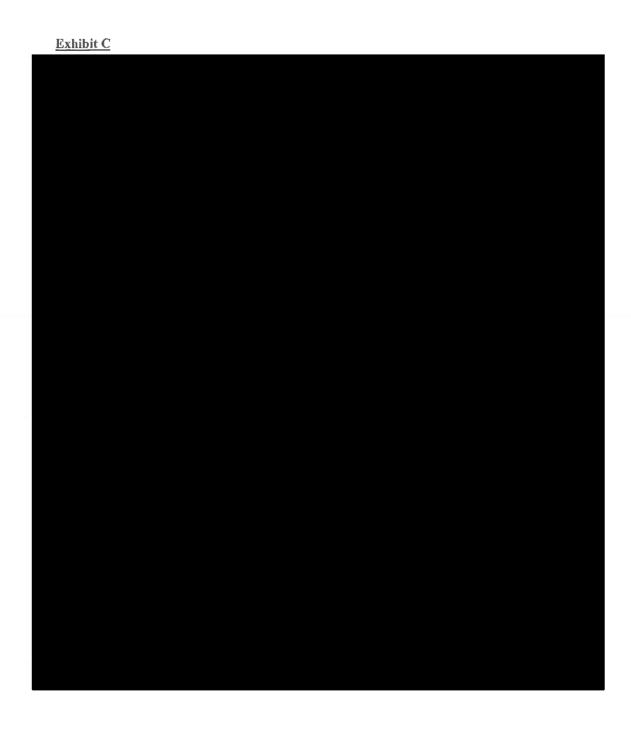


The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 48 of 78

Exhibit B







Transaction Confirmation

Date: 08 23 2019

This Transaction Confirmation is subject to the LNG Transportation Services
Agreement between National Grid and <u>LP Transportation. Inc.</u> ("Transporter"), dated
April 1, 2013 ("Agreement").

All capitalized terms used in this Transaction Confirmation and not otherwise defined shall have the meanings assigned to them in the Agreement.

The tables included as Attachment A set forth the Delivery Points, Cost per lb., and Estimated Cost per Load for Receipts from Constellation LNG, LLC ("Constellation")'s facility at 18 Rover Street, Everett, MA 02149.

Delivery Period: On any Day during the term(s) April 1, 2019 through and including December 1, 2019 and April 1, 2020 through and including December 1, 2020. National Grid shall have the right, but not the obligation, to call on Transporter to deliver to the Delivery Point(s) in order to serve National Grid. For each of the 2019 and 2020 Delivery Periods, Transporter shall make available to National Grid the resources necessary to move the National Grid's contracted for supply from Constellation to the Delivery Point(s).

No later than March 2, 2020, National Grid shall communicate to Transporter the estimated volume needed to meet the refill requirements at the Delivery Point(s) for the 2020 refill season.

Loads in Excess of Transporter's Resources: If on any day during the Delivery Period National Grid requires loads in excess of Transporter's obligations pursuant to this Transaction Confirmation at those Delivery Point(s) other than Dorchester, MA or So. Yarmouth, MA, National Grid shall look first to Transporter to fulfill this requirement. If Transporter is unable to meet the request for a given day, National Grid may utilize a third-party carrier for such deliveries to these Delivery Point(s).

Pricing: For Loads transported hereunder, National Grid shall pay Transporter the Cost in Attachment A to this Transaction Confirmation.

Special Conditions:

 This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for LNG Transportation dated February 14, 2019 and the exhibits attached thereto, which are incorporated into and made a part hereof.

Attachment DIV 1-28 Page 51 of 78

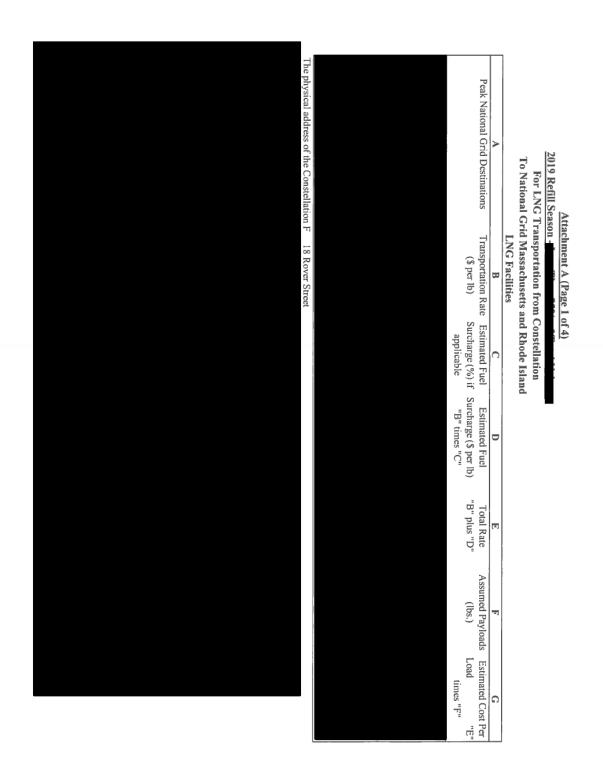
LP Transportation, Inc.

National Grid USA Service Company, Inc.

By:

ODERATING OFFICER Title

Name: John Authorized Signatory



Attachment A (Page 2 of 4)

2019 Refill Season -

For LNG Transportation from Constellation To National Grid Massachusetts and Rhode Island

| | G | Assumed Payloads Estimated Cost Per (1bs.) "E" times "F" |
|----------------|----|---|
| | Ŧ | Assumed Payloads (Ibs.) |
| | Ε. | Total Rate "B" plus "D" |
| | D | Estimated Fuel Estimated Fuel Surcharge (%) if Surcharge (\$ per lb) applicable "B" times "C" |
| | Э | Estimated Fuel Surcharge (%) if applicable |
| LNG Facilities | В | Transportation Rate Estimated Fuel (\$ per lb) Surcharge (%) if Sucharge (%) if Surcharge (% |
| | A | Peak National Grid Destinations Transportation Rate Estimated Fuel E (\$ per lb) Surcharge (%) if Sur applicable applicable in the first form of the first fo |

In addition, Proposals must include any and all charges applicable for the transportation service of the product to the Company's LNG facilities. The physical address of the Constellation Facility: 18 Rover Street, Everett MA 02149

Attachment DIV 1-28

Page 54 of 78

Attachment A (Page 3 of 4)

For LNG Transportation from Constellation
To National Grid Massachusetts and Rhode Island

LNG Facilities

| | The same of the sa | | | | | |
|---|--|------------------------------------|--|-------------------------|---|--------------------------------|
| Α | В | С | D | E | Ŧ | G |
| Peak National Grid Destinations | Transportation Rate Estimated Fuel (\$ per lb) Surcharge (%) i | Estimated Fuel Surcharge (%) if | Estimated Fuel Estimated Fuel Surcharge (%) if Surcharge (\$ per lb) | Total Rate "B" plus "D" | Assumed Payloads Estimated Cost Per (lbs.) Load "E' | Estimated Cost Per Load "E" |
| | | applicable | "B" times "C" | בו מונק בו | | times "F" |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| The physical address of the Constellation Facility: 18 Rover Street, Everett MA 02149 | Facility: 18 Rover Stree | et, Everett MA 021 | 149 | | | |
| In addition, Proposals must include any and all charges applicable for the transportation service of the product to | nd all charges applicabl | e for the transporta | ation service of the produ | uct to the Compan | the Company's LNG facilities. | |
| | | | | | | |

Attachment A (Page 4 of 4) 2020 Refill Season - 75% or More of Total Volume For LNG Transportation from Constellation To National Grid Massachusetts and Rhode Island LNG Facilities

| | | PIAC LACITIES | | | | | |
|---|---|------------------------------------|---------------------|--|-------------------|-------------------------------------|--------------------|
| _ | A | В | С | D | E | F | G |
| | Peak National Grid Destinations | Transportation Rate Estimated Fuel | Estimated Fuel | Estimated Fuel | Total Rate | Assumed Payloads Estimated Cost Per | Estimated Cost Per |
| | | (\$ per lb) | Surcharge (%) if | Surcharge (%) if Surcharge (\$ per lb) | "B" plus "D" | (lbs.) | Load |
| | | | applicable | "B" times "C" | | | "E" times "F" |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | The physical address of the Constellation Facility: 18 Rover Street, Everett MA 02140 | 1 Facility: 18 Rover Stre | et, Everett MA 02 | 140 | | | |
| ı | In addition, Proposals must include any and all charges applicable for the transportation service of the product to the Company's LNG facilities. | and all charges applicabl | e for the transport | ation service of the proc | uct to the Compar | y's LNG facilities. | |
| | | | | | | | |

Transaction Confirmation

Date: March 20, 2019

This Transaction Confirmation is subject to the LNG Transportation Services Agreement between National Grid and <u>Transgas Inc.</u> ("Transporter"), dated April 1, 2013 ("Agreement").

All capitalized terms used in this Transaction Confirmation and not otherwise defined shall have the meanings assigned to them in the Agreement.

The table below sets forth the Delivery Points, Cost per lb., and Estimated Cost per Load for Receipts from Constellation LNG, LLC ("Constellation") 's facility at 18 Rover Street, Everett, MA 02149.

| Delivery Point (Nat. Grid Facility) | Estimated Billing Transportation Rate (per cwt) before Diesel Fuel Surcharge |
|--|---|
| Dorchester, MA | |
| (5:01am-6:59pm) | |
| Dorchester, MA | |
| (7:00pm-5:00am) | |
| So. Yarmouth, MA | |

Delivery Period: On any Day during the term(s) April 1, 2019 through and including December 1, 2019 and April 1, 2020 through and including December 1, 2020. National Grid shall have the right, but not the obligation, to call on Transporter to deliver to the Delivery Point(s) in order to serve National Grid. Notwithstanding the foregoing, National Grid shall make all reasonable efforts to levelize Transporter's resources and deliveries between the Delivery Point(s). For the 2019 refill season, Transporter shall make available to National Grid the resources necessary to deliver from Constellation's facility to the National Grid Delivery Point(s)

No later than March 2, 2020, National Grid shall communicate to Transporter the estimated volume needed to meet the refill requirements at the Delivery Point(s) for the 2020 refill season; for the 2020 refill season Transporter shall make available to National Grid the resources necessary to deliver such quantity from Constellation's facility by calculating such total volume divided by delivery days during the season.



Pricing: For Loads transported hereunder, National Grid shall pay Transporter the Cost identified above plus such additional charges agreed to by the Parties and set forth in Attachment A to this Transaction Confirmation ("Transgas Standard Terms and Conditions").

Special Conditions:

- 1. This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for LNG Transportation dated February 14, 2019 and the exhibits attached thereto, which are incorporated into and made a part hereof.
- 2. For avoidance of doubt, if, during the Delivery Period, for volumes transported from Constellation to the Delivery Point(s), Transporter is unable to satisfy its obligations to National Grid pursuant to this Transaction Confirmation, National Grid shall have the right to seek alternative arrangements to deliver LNG to the Delivery Point(s).

Transgas Inc.

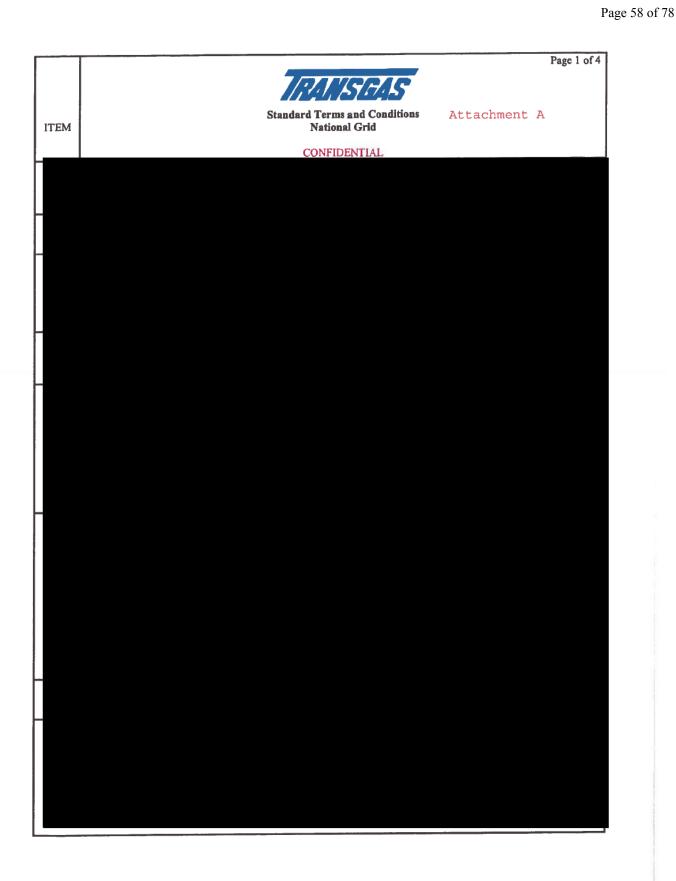
National Grid USA vice Company, Inc.

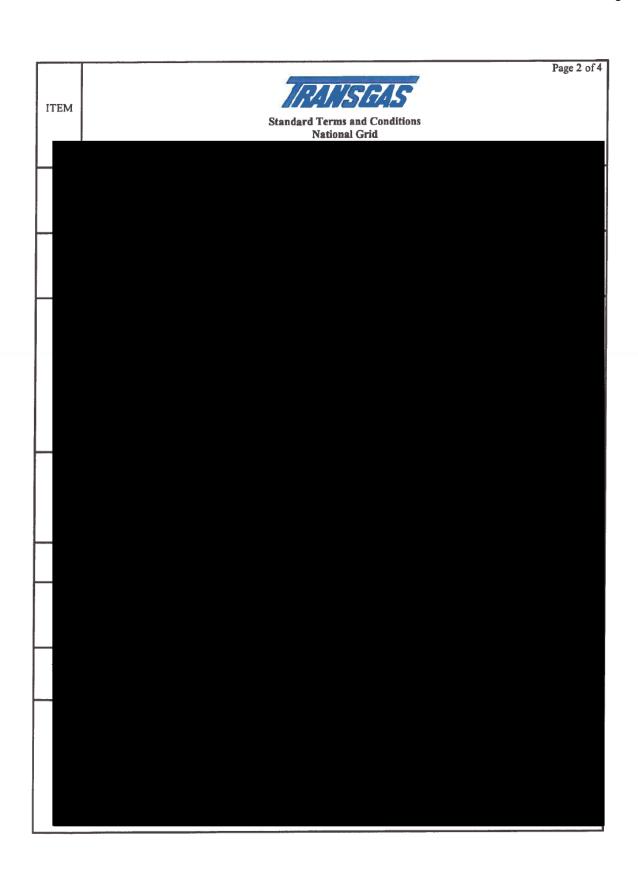
By:

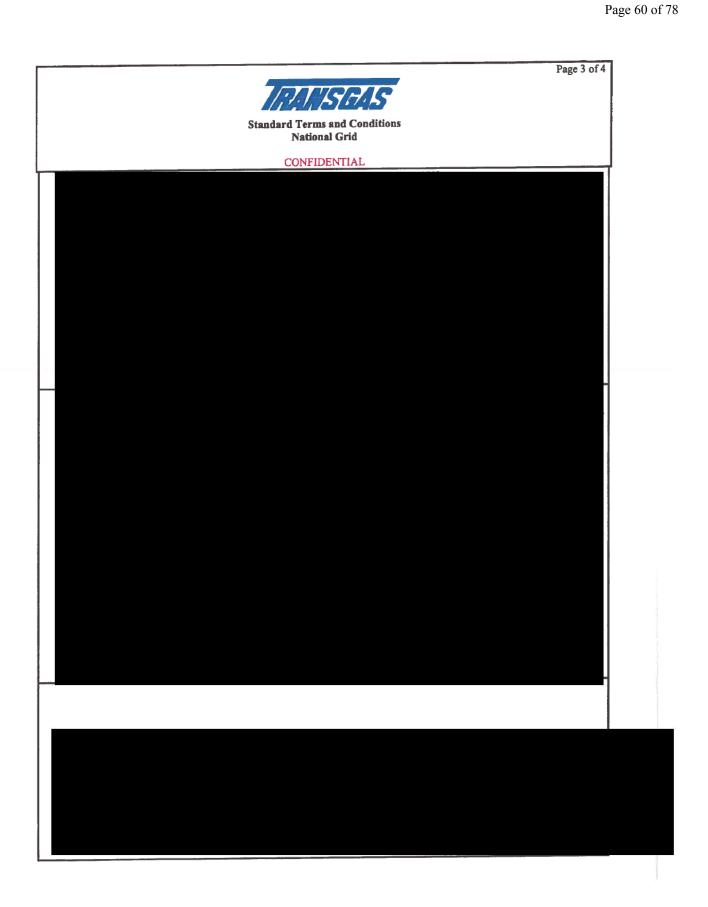
Name:

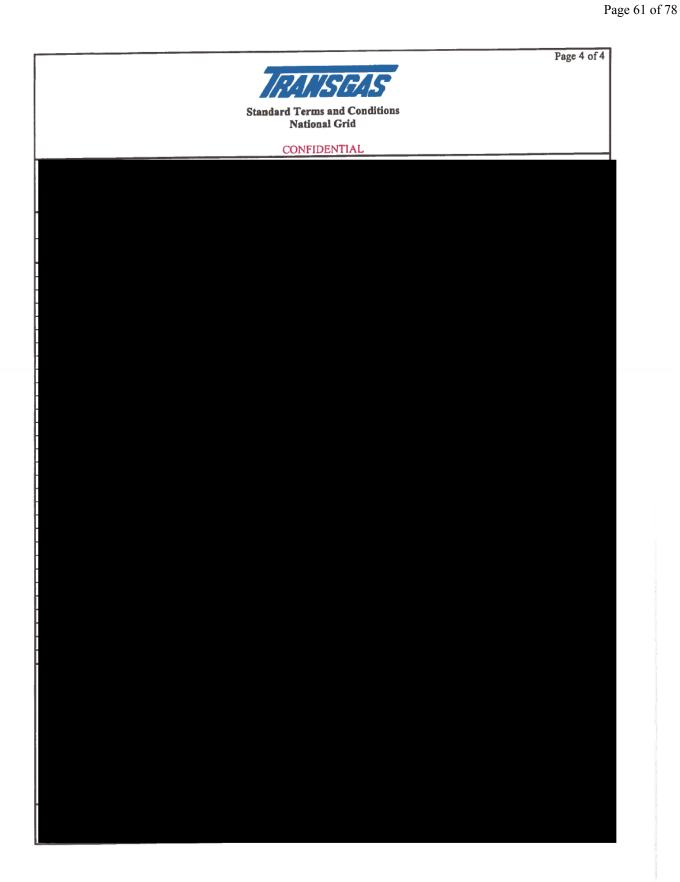
Title: John V. Vaughn

Authorized Signatory









Transaction Confirmation

Date: November 20, 2019

This Transaction Confirmation is subject to the LNG Transportation Services Agreement between National Grid and <u>Transgas Inc.</u> ("Transporter"), dated April 1, 2013 ("Agreement").

All capitalized terms used in this Transaction Confirmation and not otherwise defined shall have the meanings assigned to them in the Agreement.

The table below sets forth the Delivery Points, Cost per hundredweight for Receipts from Constellation LNG, LLC's ("Constellation") facility at 18 Rover Street, Everett, MA 02149.

| Delivery Point (Nat. Grid Facility) | Estimated Billing Transportation Rate (per cwt) before Diesel Fuel Surcharge |
|--|---|
| Providence, RI NGRID-RI | |
| Dorchester, MA (5:01am-6:59pm) | |
| Dorchester, MA (7:00pm-5:00am) | |
| Exeter, RI | |
| Lynn, MA | |
| So. Yarmouth, MA | |
| Salem, MA | |
| Haverhill, MA | |
| Wareham, MA | |
| Tewksbury, MA | |
| | |
| Portable Vaporization Sites at National Grid's request | 3 |
| | |

Delivery Period: On any Day during the term December 1, 2019 through and including April 1, 2020 National Grid shall have the right, but not the obligation, to call on Transporter to deliver to the Delivery Point(s) in order to serve National Grid.

Such obligation shall be commensurate with National Grid's supply agreements with Constellation during the Delivery Period, summarized as follows:

- a) For firm gas customers in the state of Massachusetts, National Grid has the right, but not the obligation, to purchase up to six (6) trucks per day from Constellation for a total seasonal quantity up to 254,250 MMBtu.
- b) For firm gas customers in the state of Rhode Island, National Grid has the right, but not the obligation, to purchase up to eight (21) trucks per day from Constellation for a total seasonal quantity up to 192,450 MMBtu.

Pricing: For Loads transported hereunder, National Grid shall pay Transporter the Cost identified above plus such additional charges agreed to by the Parties as part of Transporter's bid proposal ("Exhibit A") attached to this Transaction Confirmation and set forth in Attachment A of Exhibit A ("Transgas Standard Terms and Conditions National Grid). For all LNG Transportation from Constellation 's facility at 18 Rover Street, Everett, MA 02149 to the Portable Vaporizer facilities listed above, National Grid shall pay Transporter charges agreed to by the Parties as part of Exhibit A and set forth in Attachment B of Exhibit A ("Transgas LNG Portable Pipeline Price Schedule").

Special Conditions:

 This Transaction Confirmation was awarded pursuant to National Grid's Request for Proposals for LNG Transportation and Portable Vaporization Services dated October 7, 2019 the exhibits attached thereto, which are incorporated into and made a part hereof.

| 2. | | | |
|----|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Transgas Inc.

BV: Sout

Name: John K. Flint

National Grid USA Service Company, Inc.

By:

Name: Title:

Authorized Signator)

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 64 of 78



EXHIBIT A

TRANSGAS Inc. • 87 Industrial Avenue East • Lowell, MA 01852-5193 • Phone: 978-856-2900

Heidi L. Bond Vice President, Administration & Finance 978-856-2903 Heidi Bond@TransgasLNG.com

October 22, 2019

Ms. Samara Jaffe
Lead Program Manager- Gas Contracting, Compliance & Hedging
National Grid
100 E. Old Country Road
Hicksville, NY 11801

RE: LNG Transportation and Portable Pipeline Services

Dear Ms. Jaffe:

Transgas is pleased to submit this Proposal, in response to your RFP dated October 7, 2019, for LNG Transportation and Portable Vaporization Requirements from December 1, 2019 – April 1, 2020 from the Constellation LNG Everett, MA facility to the LNG storage facilities of National Grid's gas distribution affiliates in Massachusetts and in Rhode Island.

For the certainty of supply for anticipated critical periods during the contract term, Transgas has elected to provide pricing from the Constellation LNG Everett, MA facility only. It is our professional opinion that the risk is far too great to transport LNG from Susquehanna County, PA and Montreal, OC and meet the critical demands anticipated this winter.

Transgas is pleased to offer National Grid our services subject to the following:

- Transgas is pleased and able to meet and provide 100% of the LNG Transportation Services
 requirements outlined in the RFP, in Massachusetts providing up to six (6) loads per day, as
 available, Monday thru Friday or up to approximately 254,250 MMBtu and in Rhode Island
 providing up to twenty (21) loads per day, as available, Monday thru Friday or up to
 approximately 192,450 MMBtu exclusively to the LNG facilities outlined in Exhibit 24,
 Attachment A and B during the delivery period.
- 2. Transgas has included and is able to meet and provide 100% of the Portable Vaporization Services requirements outlined in the RFP, which may require deliveries 24 hours per day, 7 days per week and may be on less the 24 hours' notice as outlined in Exhibit 24, Attachment A and C. Transgas has been a long standing provider of these services with the equipment and experienced personnel to perform these services.
- 3. It is Transgas' desire to provide National Grid with exceptional transportation services during the requested delivery period. To maximize our trucking capacity and in turn, to maximize the number of deliveries to National Grid facilities, Transgas is requesting that trucking for LNG tank refill (non-critical) purposes be levelized during each of the delivery periods. Additionally, it is expected that LNG tank refill or non-critical deliveries will not occur during critical demand periods when transportation will be directed to meet the requirements for the Portable Pipeline sites.

Transgas - Experience you can count on

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 65 of 78



CONFIDENTIAL

S. Jaffe, National Grid, 10/22/19, Page 2 of 3

- 4. During the Delivery Period, unless Transgas is unable to satisfy its obligations to National Grid, Transgas shall serve as National Grid's sole carrier of LNG out of the Constellation LNG Everett, MA facility. In the event Transgas is unable to satisfy its obligations to National Grid with respect to the Transportation of LNG during the Delivery Period, National Grid shall have the right to seek alternative arrangements to deliver LNG to its facilities and portable vaporizer sites.
- Based on the award of services, if 100% of the supply does not originate from the Constellation LNG Everett, MA facility, Transgas will expect that the required loads per day will also be proportionally recalculated.

Transgas is in full compliance with all of the requirements outlined in Exhibits 1-24 below and in your RFP. With few exceptions (Attachments A-E), all information remains unchanged from Transgas' most recent proposal or with current information on file with National Grid.

- 1 LNG Delivery Locations
- 2. National Grid Process Safety Requirements
- 3. National Grid Safety Procedure: Contractor Safety Requirements
- 4. National Grid Contractor Environmental Requirements
- NGSP 6 Background Check Requirements for Contracted Service Providers
- 6. Global Procurement Our Sustainability Policy
- 7. Drug and Alcohol Prevention Plan
- 8. Supplier Ethics Certification Certification letter attached as Attachment D
- 9. Equal Employment Compliance
- 10. National Grid PLC Anti-Fraud and Bribery Policy
- 11. PS-00-02 Facility Siting Procedure
- 12. PS-00-01 Process Hazard Analysis (PHA) Procedure
- 13. PS-00-03 Layer of Protection Analysis (LOPA) Procedure
- 14. PS-02-02 Management of Change Procedure
- 15. PS-02-01 Pre Start Up Safety Review (PSSR) Procedure
- 16. Safe Motor Vehicle Operations Compliance letter attached as Attachment E
- 17. Supplier Code of Conduct
- 18. Safety Critical Activities Procedure Categorization Risk Ranking Tool
- 19. Human Factors Implementation Plan for Safety in Design
- 20. Safety in Design Specification for Incorporating Human Factors
- 21. Contractor Insurance Schedule
- 22 LNG Truck Transfer Requirements
- Transaction Confirmation To be completed following acceptance of proposal

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 66 of 78



CONFIDENTIAL

S. Jaffe, National Grid, 10/22/19, Page 3 of 3

24. Pricing Options Format, Attachment A-C

- LNG Transportation Services: The distance Commodity Delivery Rates are indicated in Attachment A (Exhibit 24). Any additional applicable charges, including but not limited to cancellation rates, waiting time rates, fuel rates, Saturday, Sunday, or holiday shipment rates, short notice ordering, short notice cancellations, detention of equipment, tolls, and layover charges are contained in Transgas' Standard Terms and Conditions included as Attachment B. All rates are contingent upon the ongoing endorsement of currently defined carrier routes by federal, state and local authorities.
- Portable Vaporization Services: For loads delivered to Portable
 Vaporization Sites for the Delivery Period, the Delivery Rates for each
 location are indicated in Attachment A (Exhibit 24) as referenced and
 charged in accordance with Transgas' LNG Portable Pipeline Price Schedule
 included as Attachment C. All rates are contingent upon the ongoing
 endorsement of currently defined carrier routes by federal, state and local
 authorities.

This Bid Proposal is valid through October 28, 2019. The information contained in this Proposal is proprietary and confidential and is requested to be treated as such, and not be disclosed without a seven day advance written notice to Transgas.

Transgas sincerely hopes that its record of over 50 years of safe and dependable service, including many years of exclusive service to National Grid will be taken into consideration and assist you in selecting Transgas as the successful bidder for your LNG trucking requirements.

While we consider this proposal to be our best and complete offer, Transgas would be happy to answer any questions or concerns you may have. I can be reached by phone at 978-856-2903 or by email at Heidi.Bond@TransgasLNG.com.

As always, Transgas appreciates your business and we look forward to continuing to provide National Grid with our safe, dependable, and locally headquartered LNG transportation service.

Sincerely,

cc: John E. Allocca

Elizabeth D. Arangio MaryBeth Carroll

Dino C. Papetti Janet A. Prag

Attachments

Transgas – Experience you can count on

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 67 of 78

REDACTED



Exhibit 24

Attachment A (Page 1 of 2) CONFIDENTIAL

For LNG Transportation from the Constellation LNG Everout, MA Facility
To National Orid Massachearts and Roode Idand
LNG Permanent Tank Facilities
December 1, 2019 - April 1, 2020

** AB pairing subject of Trangas' Strodald Tryas and Cardithers, Mixenront ft ** 1. Andropy to 10 19 19 90 10 10.

The physical address of the Constellation Everett, MA Facility





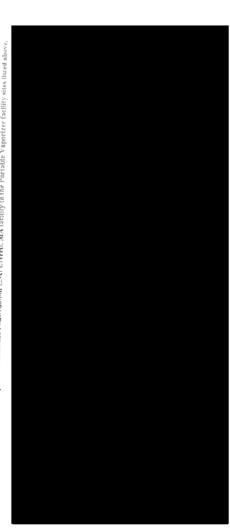


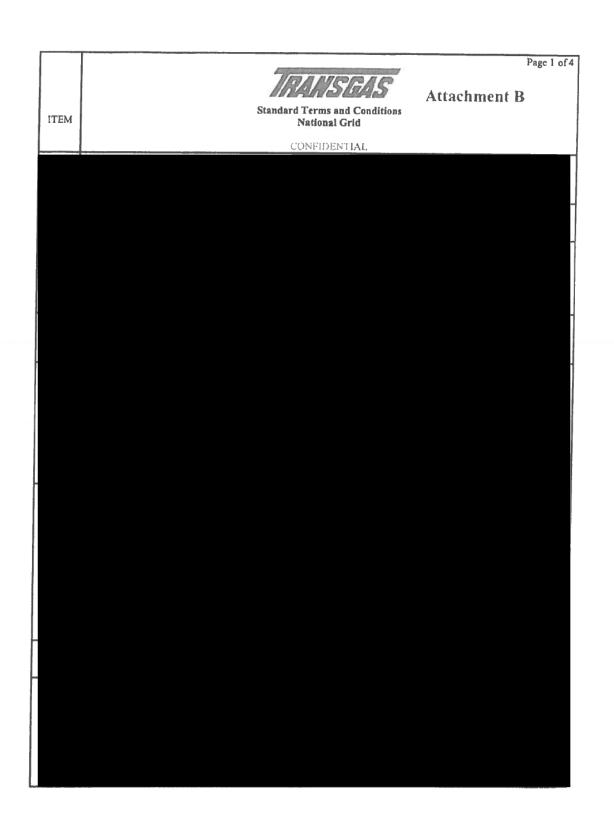
Attachment A (Page 2 of 2) CONFIDENTIAL

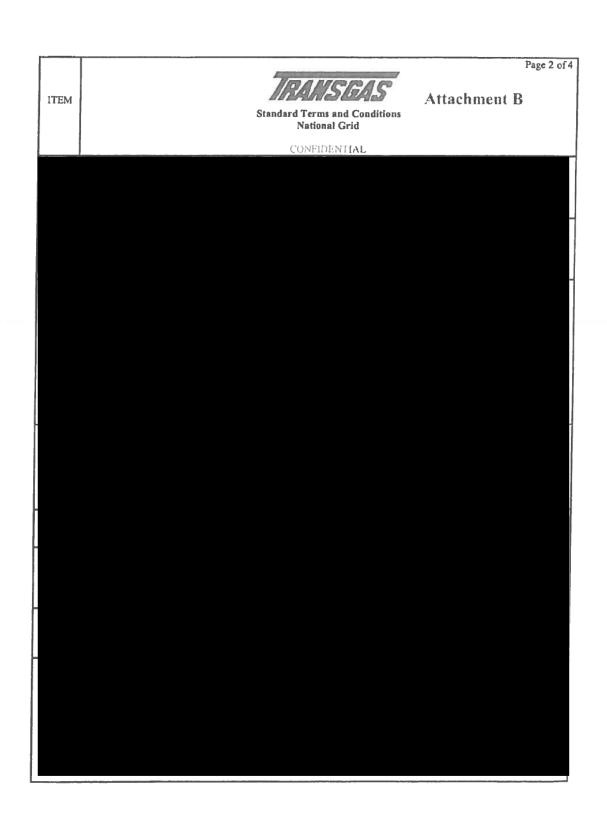
r L.NG Transportation and/or Portable Vaporization Services from the Constellation L.NG Everett, MA Facility To National Grid Massachusetts and Rhode Island Exhibit 24 Peak Senson

LNG Portable Vaporization Sites December 1, 2019 - April 1, 2020

*** The Trangas' Portable Pipeline Price Schedule, Attachment C will apply to all LNG Transportation from the Constellation LNG Everett, MA facility to the Portable Vaporizer facility wirs listed above,



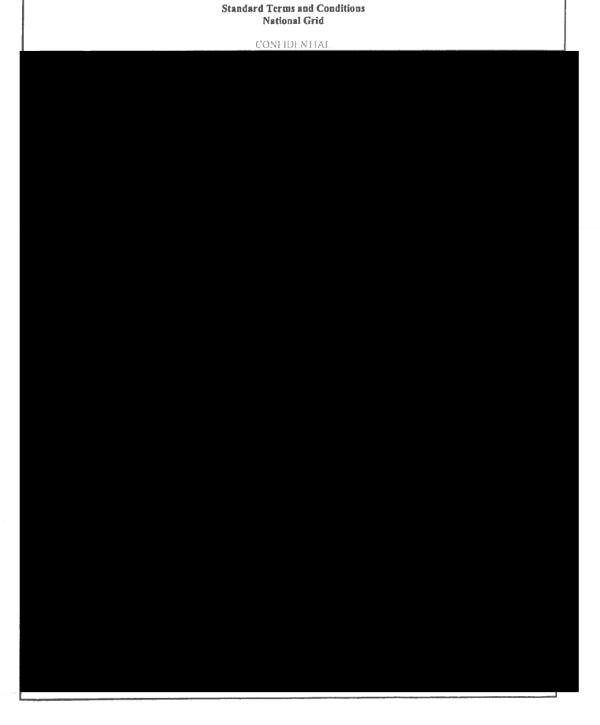


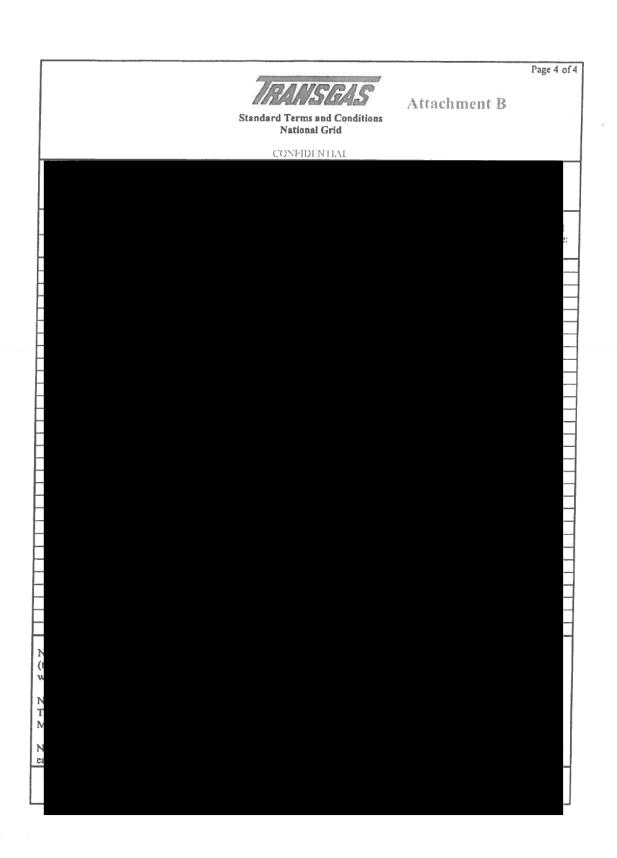


Page 3 of 4

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Attachment B



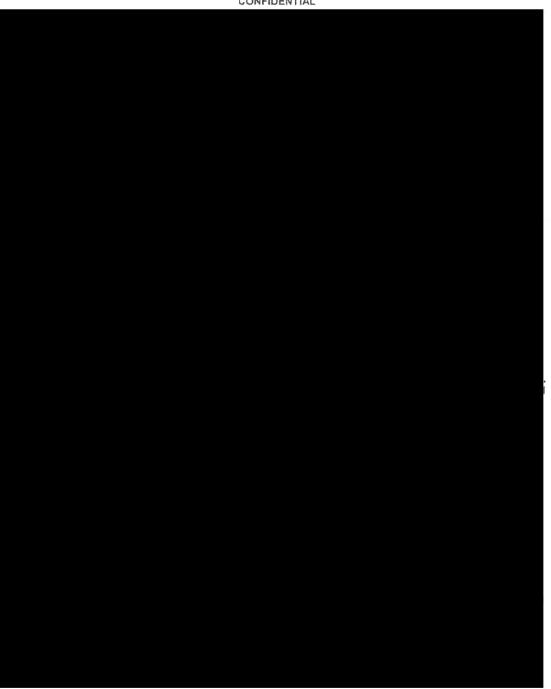


The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 73 of 78



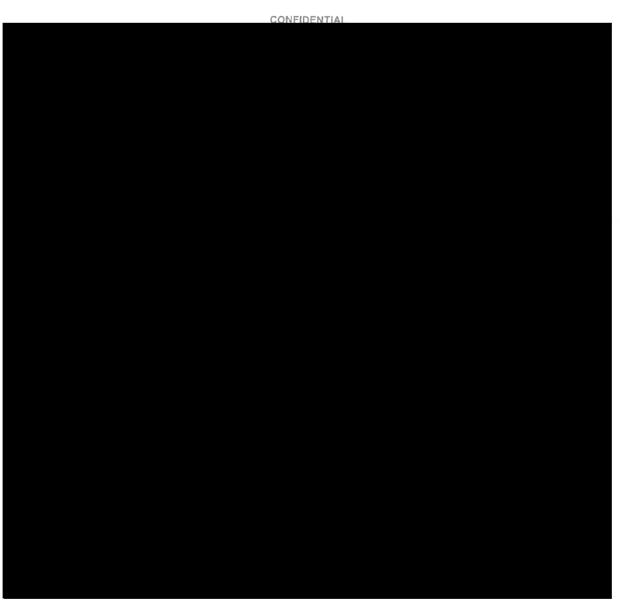
Attachment C

CONFIDENTIAL



The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 Attachment DIV 1-28 Page 74 of 78

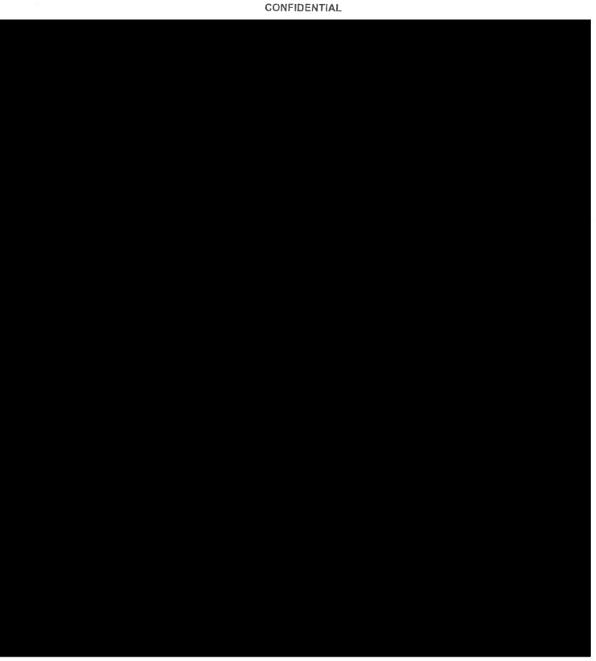




This Price Schedule is not a public document, is not on file with any federal or state authorities and contains privileged and confidential information.

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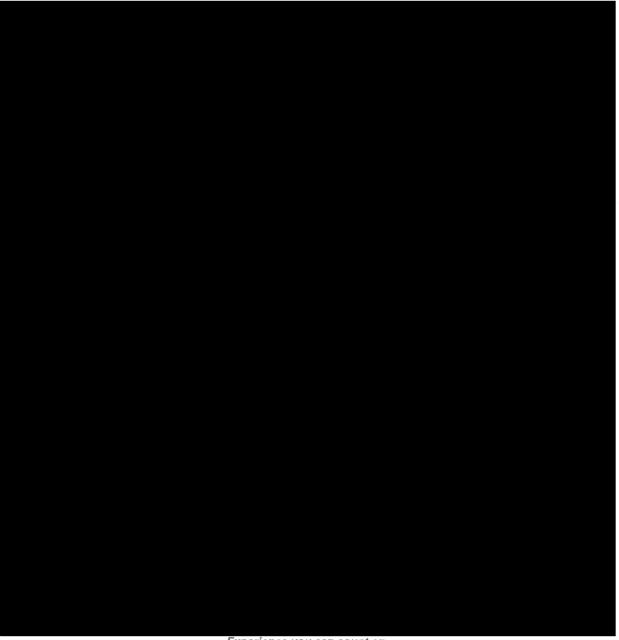


Experience you can count on

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Experience you can count on

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Hlachment D

SUPPLIER ETHICS CERTIFICATION

| Name of supplier: Transgas Inc |
|--|
| I herby certify on behalf of <u>Transgas Inc</u> (name of supplier) that I have read and understand the terms of the National Grid Global Supplier Code of Conduct. I affirm that I will distribute the National Grid Global Supplier Code of Conduct to all employees and subcontractors we utilize to work for/on behalf of National Grid. |
| Mafrie President |
| Title |
| 10/21/19 Date |

Once completed, please email to the following address: <u>DoingtheRightThing@nationalgrid.com</u> (or) mail to:

> US Ethics and Compliance Office National Grid 300 Erie Boulevard West, Syracuse, New York 13219

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CONFIDENTIAL ATTACHMENT E



TRANSGAS Inc. • 87 Industrial Avenue East • Lowell, Massachusetts 01852-5193 978-856-2900 • www.TransgasLNG.com • email: info@transgasLNG.com

October 22, 2019

To Whom It May Concern:

I have read and agree to abide by the content of the National Grid safety policy Safe Motor Vehicle Operations (SMVO) and National Grid safety procedure Contractor Safety Requirements (N-1402) to the extent that these sections apply to volumes delivered from a transaction resulting from the RFP.

Thomas E. Brady Director, Safety

H: Folder: Supporting Information for RFP NGrid October 2020 (Compliance with NGrid Safety Requirements)

The Narragansett Electric Company d/b/a National Grid RIPUC Docket No. 5066 In Re: 2020 Annual Gas Cost Recovery Filing Responses to the Division's First Set of Data Requests Issued on August 19, 2020

Division 1-29

Request:

Please provide a copy of all contracts providing the purchase of supplies at Dracut in effect during the period April 2019 through July 2021.

Response:

For the period April 2019 through July 2021, the Company did not purchase any supplies at Dracut. As the Company explained in its 2020 Gas Cost Recovery Filing at page 25, line 2, beginning with the 2019/20 heating season, the Company filled its Dracut exposure through an asset management arrangement ("AMA"), which involved the release to an asset manager of the Company's Tennessee firm transportation capacity having primary receipts at Dracut and primary delivery entitlements to the Company's city-gate. Under the AMA, the Company has the right, but not the obligation, to call on the asset manager to deliver supply directly at the city-gate. Subject to satisfying the Company's gas supply requirements, the asset manager has the right to utilize the capacity for its own account. In exchange, the Company will receive an asset management fee, which is then fully credited to customers. Based on the result of request for proposals for the 2020/21 heating season, the Company again plans to fill its exposure at Dracut through a similar AMA.