

The Narragansett Electric Company  
d/b/a National Grid

## **2016 GAS COST RECOVERY**

Testimony and Attachments of:  
Stephen A. McCauley

September 1, 2016

Submitted to:  
Rhode Island Public Utilities Commission  
RIPUC Docket No. 4647

Submitted by:  
**nationalgrid**

Testimony of  
**Stephen A. McCauley**

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. MCCUALEY  
SEPTEMBER 1, 2016**

---

**DIRECT TESTIMONY**

**OF**

**STEPHEN A. MCCUALEY**

**September 1, 2016**

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. McCUALEY  
SEPTEMBER 1, 2016**

---

## **Table of Contents**

<b>I.</b>	<b>Introduction.....</b>	<b>1</b>
<b>II.</b>	<b>Gas Procurement Incentive Plan.....</b>	<b>3</b>
<b>III.</b>	<b>Natural Gas Portfolio Management Plan (NGPMP).....</b>	<b>5</b>

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 1 OF 7**

---

1   **I.   Introduction**

2   **Q.   Please state your name and business address.**

3   A.   My name is Stephen A. McCauley. My business address is 100 E. Old Country Road,  
4         Hicksville, NY 11801.

5

6   **Q.   What is your position and responsibilities within that position?**

7   A.   I am the Director of Origination and Price Volatility Management in the Energy  
8         Procurement organization of National Grid USA Service Company, Inc. (National Grid).  
9         As Director, I am responsible for all financial hedging activity for the National Grid  
10       regulated natural gas and electric utilities, including The Narragansett Electric Company  
11       (Company). I am also responsible for structuring and optimizing the natural gas assets to  
12       help return the most value to the regulated entities.

13

14   **Q.   Please describe your educational background.**

15   A.   I graduated from the United States Merchant Marine Academy in 1984 with a Bachelor  
16       of Science degree in Marine Engineering Systems.

17

18   **Q.   Please describe your professional experience.**

19   A.   I joined National Grid in 1992 as an engineer for the gas peak-shaving plants and the gas-  
20       regulator and telemetering stations. In 1996, I joined the gas supply group as a trader  
21       responsible for purchasing the natural gas supply requirements for both the firm gas

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 2 OF 7**

---

1       customers and the Long Island Lighting Company generation facilities. In 1999, my  
2       responsibilities were changed to managing the emissions-allowance portfolio and the  
3       financial-hedging activities of the regulated utilities. In 2002, I was promoted to my  
4       current position as Director.

5

6   **Q. Have you previously testified before the Rhode Island Public Utilities Commission**  
7   **(PUC)?**

8   A. Yes, I have testified before the PUC on several occasions involving gas costs, portfolio  
9       management under the Natural Gas Portfolio Management Plan (NGPMP) and volatility  
10      management of gas prices under its Gas Procurement Incentive Plan (GPIP).

11

12   **Q. Are you sponsoring any Attachments?**

13   A. Yes. I am sponsoring the following attachments:  
14      Attachment SAM-1   Gas Procurement Incentive Plan (GPIP) for National Grid  
15  
16      Attachment SAM-2   GPIP July 2015 through June 2016 Results  
17  
18      Attachment SAM-3   Natural Gas Portfolio Management Plan (NGPMP)  
19                          Annual Report, April 2015 through March 2016  
20  
21      Attachment SAM-4   NGPMP, Effective April 1, 2009 to March 31, 2016  
22  
23      Attachment SAM-5   NGPMP, Effective April 1, 2016  
24

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. MCCUALEY  
SEPTEMBER 1, 2016  
PAGE 3 OF 7**

**1 Q. What is the purpose of your testimony?**

2 A. The purpose of my testimony is to discuss the results of the GPIP for the period July 1,  
3 2015 through June 30, 2016. In addition, I also will address the results of the NGPMP  
4 for the period April 1, 2015 through March 31, 2016.

5

## 6 II. Gas Procurement Incentive Plan (GPIP)

**7 Q. Please describe the incentive portion of the GPIP?**

8 A. The GPIP encourages the Company to purchase supply in a way designed to stabilize  
9 prices and reduce the risk that commodity costs will escalate dramatically. The GPIP is  
10 provided as Attachment SAM-1.

11

The gas procurement portion of the GPIP is based on the Company's gas purchasing program under which the Company fixes the price of commodity purchases through purchases or financial hedges over a 24-month horizon. The minimum amount fixed or financially hedged is 60 percent of the expected purchases for April and October, and 70 percent for the remaining 10 months of the year. The hedged volume is based on the most recent available five-year, firm-sales forecast filed. Hedge volumes are adjusted each November starting in March of the following year. These mandatory hedges are required to be made ratably over the period beginning 24 months prior to the start of each month and ending 4 months before each month begins. These mandatory hedges also form the benchmark for the incentive calculation. For each month, the average unit cost

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 4 OF 7**

---

1       of the mandatory hedges is compared to the average unit cost of discretionary purchases  
2       to determine the savings or loss per dekatherm (Dth) resulting from the discretionary  
3       purchases. This difference, multiplied by the discretionary volumes, determines the total  
4       savings or cost. To determine the incentive or penalty for each month, the total savings is  
5       multiplied by 10 percent for transactions with unit cost savings less than \$0.50 and  
6       executed greater than 4 months prior to the month of flow. A 20 percent incentive can be  
7       earned if the unit cost savings is greater than \$0.50 and the transaction execution date is  
8       greater than 8 months prior to the month of flow. A five percent incentive is applied for  
9       any transactions executed between one and four months prior to the month of flow  
10      regardless of the unit cost savings.

11

12     **Q.     What is the GPIP gas procurement incentive for the past year?**

13      A.     Attachment SAM-2 is the Company's Semi-Annual GPIP Report. This report shows the  
14       results for the period July 1, 2015 through June 30, 2016 by month. As shown, the  
15       Company purchased discretionary supply of 4,043,000 Dth during the period, resulting in  
16       a net calculated incentive of \$167,963. The average cost of discretionary purchases was  
17       \$0.415 per Dth less than the mandatory hedges.

18

19       The calculation of the savings for each month is shown on page 3 (of 45) of Attachment  
20       SAM-2 and incentives for each month by incentive percentage on pages 4 through 6 (of  
21       45) of Attachment SAM-2.

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 5 OF 7**

---

1   **Q.   What is the amount of the gas procurement incentive for which the Company is**  
2   **seeking approval in this filing?**

3   A.   The Company is proposing that it be granted the full incentive of \$167,963 for the period  
4       July 2015 through June 2016.

5

6   **Q.   Is the Company recommending any changes to the GPIP?**

7   A.   The Company is not recommending any changes to the GPIP at this time.

8

9   **III. Natural Gas Portfolio Management Plan (NGPMP)**

10   **Q.   Please briefly describe the NGPMP.**

11   A.   In Docket No. 4038, the PUC approved the NGPMP, which implemented changes to the  
12       management of the Company's gas portfolio. These changes were designed to provide  
13       various financial, regulatory, and risk management benefits over the previous asset  
14       management arrangements. The Company changed the management of the gas portfolio  
15       from an external third-party asset-management agreement to a portfolio managed  
16       primarily by the Company. The Company uses its transportation contracts, underground  
17       storage contracts, peaking supplies, and supply contracts first to purchase gas supplies to  
18       economically and reliably serve sales customers and then to make additional purchases  
19       and sales that generate revenue by extracting value from any assets that are not required  
20       to serve customers on any day. The mix of supply, transportation, and storage contracts  
21       creates flexibility and opportunities for optimization to create value for the Company's

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 6 OF 7**

---

1       customers. This potential optimization value is subject to market variables: the  
2       fluctuation of gas pricing, the value of temporarily unused assets, the existence of excess  
3       transportation and storage capacity, and the opportunities to optimize delivered supplies  
4       as storage fill opportunities arise. The NGPMP effective for the period April 1, 2009  
5       through March 31, 2016 is attached as Attachment SAM-4.

6

7   **Q. What were the results of the NGPMP for the incentive year April 2015 through**  
8   **March 2016?**

9   A. As required by Order 19627 in Commission Docket No. 4038, the Company has filed  
10      comprehensive reports of its optimization activity each quarter and annually. The annual  
11      report was submitted on June 2, 2016, showing the results of the NGPMP for the period  
12      April 2015 through March 2016. Attachment SAM-3 is the annual report, which shows  
13      that the NGPMP produced total savings of \$15,113,164.50. Under the provisions of the  
14      NGPMP, customers are to receive \$12,290,531.60 of the savings.

15

16   **Q. Does the Company's incentive include revenue from Asset Management Agreements**  
17   **(AMA)?**

18   A. The Company's incentive does not include any revenue from AMAs. In Order 21449,  
19      the PUC denied revenue sharing associated with AMA fees. AMA fees are recorded as a  
20      credit on the pipeline demand charges and the customers receive 100 percent of this  
21      benefit.

**THE NARRAGANSETT ELECTRIC COMPANY**  
**d/b/a NATIONAL GRID**  
**RIPUC DOCKET NO. 4647**  
**2016 GAS COST RECOVERY FILING**  
**WITNESS: STEPHEN A. MCCUALEY**  
**SEPTEMBER 1, 2016**  
**PAGE 7 OF 7**

---

1   **Q. Does the Company propose any changes to the NGPMP?**

2   A. No, the Company is not proposing any changes to the NGPMP at this time. On March 3,  
3       2016, however, the Company filed a proposed change to the sharing mechanism of the  
4       NGPMP, which the PUC approved in written Order 22418 on March 30, 2016. The  
5       NGPMP, with the approved changes, is attached as Attachment SAM-5. The new  
6       sharing mechanism went into effect for the incentive year April 1, 2016 to March 31,  
7       2017, the results of which will be reflected in next year's Gas Cost Recovery filing.

8

9   **Q. What is the Company seeking approval for in this filing?**

10   A. The Company's incentive, as specified in the NGPMP (Attachment SAM-4) in effect for  
11       the period April 2009 through March 2016, is determined as 20 percent of the total  
12       savings in excess of \$1 million. Accordingly, the Company is filing for approval of a  
13       NGPMP incentive of \$2,822,632.90 associated with the April 2015 through March 2016  
14       period. In addition the Company is seeking approval to continue with the NGPMP for an  
15       additional year.

16

17   **Q. Does this conclude your testimony?**

18   A. Yes.

**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. McCUALEY  
ATTACHMENTS**

---

Attachments of Stephen A. McCauley

Attachment SAM-1 Gas Procurement Incentive Plan (GPIP) for National Grid

Attachment SAM-2 GPIP July 2014 through June 2015 Results

Attachment SAM-3 Natural Gas Portfolio Management Plan (NGPMP)  
Annual Report, April 2015 through March 2016

Attachment SAM-4 NGPMP, Effective April 1, 2009 to March 31, 2016

Attachment SAM-5 NGPMP, Effective April 1, 2016



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. MCCAULEY  
ATTACHMENTS**

---

Attachment SAM-1

Gas Procurement Incentive Plan (GPIP) for National Grid

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 1 of 6

## **Gas Procurement Incentive Plan (GPIP) for National Grid**

Revised Effective July 1, 2015

### I. Objective

To reduce the volatility of gas costs and to encourage National Grid (or “Company”) to achieve a lower hedged gas commodity cost for its customers.

### II. Structure of the Gas Procurement Incentive Plan

- A. The original Plan became effective June 1, 2003 and was most recently revised in Docket No. 4283. It will be reviewed with each gas cost recovery (“GCR”) filing. The cap on the amount of the incentive that may be earned by the Company was eliminated effective July 1, 2010 and approved by the Commission in docket 4283. The Company will file the Plan results semi-annually on January 31<sup>st</sup> and July 31 of each year. Effective January 2011 the quarterly reports were eliminated and the material was consolidated into the semi-annual report. These reports shall include reporting for all Plan activity and results through the end of the month prior to the filing.
- B. The Company will file its forecasted normal weather natural gas purchase requirements with its annual GCR filing. The hedging plan volume will be adjusted based on this revised forecast. Changes to the hedged volume execution plan will become effective in November of each year. The Company will not unwind or sell any purchases or hedged positions without notifying the Commission and Division. If a midyear revision is warranted the Company will file support for the revised purchase forecast with the Commission and Division.

### III The Gas Procurement Incentive Program

- A. The Company will make purchases of natural gas, natural gas swaps or natural gas futures which lock or hedge the NYMEX Henry Hub (NYMEX) portion of the variable cost. For any future gas supply month the Company will make three types of gas purchases:
  1. Mandatory Purchases and/or Hedges
    - a. Are defined as mandatory monthly purchases of gas volumes or hedges made in approximately uniform

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 2 of 6

monthly increments. (Mandatory purchases and/or hedges will vary as the forecast of purchases is updated periodically.)

- b. Will equal 60% of forecasted normal weather gas purchase requirements for the April and October gas supply months and 70% of forecasted normal weather gas purchase requirements for the remaining ten months. Purchases and/or hedges will be based on the forecast of requirements in place when the purchases and/or hedges are made.
- c. Will be purchased in approximately uniform monthly increments on a mandatory basis starting 24 months prior to the month of delivery and ending 4 months prior to the start of deliveries.
- d. The first purchases and/or hedges made each month will be deemed the Company's mandatory hedge up to the amount of the Company's scheduled mandatory requirement for the month.
- e. The Company will adjust the schedule of hedging to achieve the required mandatory level in accordance with paragraph II.B. The Company will seek to maximize the uniformity of monthly mandatory purchase/hedge volumes over the 20 month period specified in paragraph III.A.1.c.
- f. The Company and the Division may agree to accelerate a portion of the mandatory hedges. They will notify the Commission of any such plan and provide 3 business days for the Commission to object. Accelerated hedges will neither earn an incentive nor be used in the calculation of mandatory benchmark.

2. Discretionary Purchases and/or Hedges

- a. Are defined as the purchases and/or hedges established at least 6 business days prior to the start of the delivery month for delivery to the system or storage in excess of the mandatory hedging requirements in a month.

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 3 of 6

- b. The cost or benefit of any financial purchase and/or hedge will be included in the calculation of the average unit price.
- c. The total financial and physical hedged volume (planned mandatory plus accelerated plus discretionary), shall not exceed 95% of the forecasted normal weather requirements for a given supply month. Subsequent revisions to the forecast may impact the hedge percentage for existing deals.

3. Other Discretionary Purchases and/or Hedges Not Subject To Incentives

- a. LNG
- b. Supplies that lock in price but are not part of the program.
- c. Hedges specifically put in place as part of the Natural Gas Procurement Management Program to lock in optimization savings for customers.
- d. Purchases and/or hedges made less than 6 business days prior to the beginning of the month, during the month or under a contract which does not allow for the locking of the price.
- e. Purchases and/or hedges made due to updated levels of forecasted migration of throughput volumes from transportation service to sales service.
- f. Purchases and/or hedges made to fix the locational basis price risk at the forecasted receipt point locations.

B. Producing Region Locational Basis Fixed Price Hedge

As recently as mid-2014 the price movement of NYMEX was highly correlated to the price movement of supplies in the producing regions of the Gulf of Mexico, Marcellus and some Canadian supplies and therefore NYMEX was an effective hedge of the future gas prices purchased in those regions. As of July 2014 the correlation between NYMEX and the Marcellus locations such as Texas Eastern market area zone M2, Tennessee Gas Pipeline Zone 4, and Dominion South Point dropped to a point such

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 4 of 6

that NYMEX Henry Hub was less effective at hedging the forecasted purchases in the Marcellus region.

The Company has the option to use locational basis hedges to increase the effectiveness of the forecasted purchases.

The locational basis hedges do not have to be executed at the same time as the NYMEX hedges. Locational basis hedges are not included in the incentive calculation.

C. Computation of Gas Procurement Incentives

Gas Procurement Incentives will be determined on the basis of comparisons of the volume-weighted average cost per dekatherm of discretionary purchases and/or hedges and the volume weighted average cost per dekatherm of mandatory gas purchases, excluding any accelerated hedges for each gas supply month. All comparisons will be based on the NYMEX portion of the variable cost per dekatherm of the purchased gas supply or the price of the NYMEX futures contract.

- D. Any purchases and/or hedges made for a future gas supply month, excluding other discretionary purchases and/or hedges not subject to incentives as shown in III.A.3, that are in excess of the mandatory purchases and/or hedges requirement for the month, will be deemed discretionary purchases and/or hedges.
- E. The timing of discretionary purchases and/or hedges is left solely to the discretion of the Company. The Company is required to make sufficient discretionary purchases and/or hedges by November 1st of each year, such that a minimum of 80% of supply needed for December, January and February and 75% of supply needed for a normal November and March will be at a fixed or capped price. The fixed and capped supplies will include all forward purchases, financially based purchases and/or hedges, LNG supplies and storage supplies.
- F. After all purchases and/or hedges for forecasted gas requirements for a given gas supply month are completed, the volume-weighted average cost of mandatory purchases and/or hedges will be computed. That volume weighted average cost for mandatory purchases and/or hedges will then be compared against the actual cost of each discretionary purchases and/or hedge made for the same gas supply month.

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 5 of 6

1. For all discretionary purchases and/or hedges executed more than eight months prior to the start of the gas supply month, the Company will be provided a positive incentive equal to 10% of the difference between the cost of each discretionary purchase and the volume-weighted average cost for mandatory purchases and/or hedges for the same gas supply month if the cost of the discretionary purchase and/or hedge is less than the volume weighted average cost of mandatory purchases and/or hedges for the same gas supply month. In the event that the cost of the discretionary purchases/hedges is at least 50 cents less than the cost of the mandatory purchases/hedges, the incentive will be 20%.
2. For all discretionary purchases and/or hedges executed within the last five to eight months prior to the start of the gas supply month, the Company will be provided as positive incentive equal to 10% of the difference between the cost of each discretionary purchase and the volume-weighted average cost for mandatory purchases and/or hedges for the same gas supply month if the cost of the discretionary purchase and/or hedge is less than the volume weighted average cost of mandatory purchases for the same gas supply month.
3. For all discretionary purchases and/or hedges executed within the last four months prior to the start of the gas supply month, the Company will be provided as positive incentive equal to 5% of the difference between the cost of each discretionary purchase and the volume-weighted average cost for mandatory purchases and/or hedges for the same gas supply month if the cost of the discretionary purchase and/or hedge is less than the volume weighted average of mandatory purchases for the same gas supply month.
4. For any and all discretionary purchases and/or hedges that are made at a cost which is greater than the volume-weighted average cost for mandatory purchases and/or hedges, made for the same gas supply month, regardless of when they occur prior to the start of the gas supply month, the Company will be assessed a penalty equal to 10% of the difference between the volume-weighted average cost for mandatory purchases and/or hedges and the cost of the each such discretionary purchase,

National Grid  
Rhode Island

Attachment SAM-1-Supplemental  
Docket No. \_\_\_\_\_  
September 1, 2016  
Page 6 of 6

5. The net incentive/penalty for the Company for each gas supply month shall equal the sum of the incentives/penalties calculated for all individual discretionary purchases and/or hedges executed for the subject gas supply month.



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. McCUALEY  
ATTACHMENTS**

---

Attachment SAM-2

GPIP July 2015 through June 2016 Results



Jennifer Brooks Hutchinson  
Senior Counsel

August 1, 2016

**VIA HAND DELIVERY AND ELECTRONIC MAIL**

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

**RE: Semi-annual Report on Gas Procurement Incentive Plan**

Dear Ms. Massaro:

Pursuant to the provisions of the Gas Procurement Incentive Plan (Plan) initially approved in Docket No. 3436, enclosed are ten (10) copies of National Grid's semi-annual report on the status of the penalties and incentives as of the end of June 2016.

A summary of incentives and penalties associated with the GPIP is shown on page 1 of the attachment. This summary shows the purchases made under the GPIP for the months of July 2015 to June 2018. Through June 2016, the discretionary purchases have resulted in \$1.67 million in savings compared to the benchmark mandatory prices. The associated Company incentive for this period is \$167,963. For the July 2016 to June 2017 year, it shows a projected benefit to customers from discretionary purchases of \$541,098 and a \$54,110 calculated incentive. For the July 2017 to June 2018 measurement year, the projected benefit is \$35,616 and the incentive is \$3,562.

The table on page 2 is an itemized list of discretionary purchases and/or hedges executed within the last four months prior to the start of the gas supply period during which the Company incentive equals to five percent of the difference between the cost of each discretionary and mandatory purchase. Pages 3 and 4 reflect Plan provisions where, discretionary hedges can have an incentive of 10 percent if they were made five to eight months in advance of the supply period and up to 20 percent if they were made greater than 8 months in advance of the supply period and if the cost was at least \$0.50 per dekatherm lower than the prices obtained for the mandatory purchasing amount.

Page 5 of the Report shows the mandatory, accelerated, and discretionary hedge volumes and the total volume hedged as a percentage of the original forecast. The last two columns on page 5 show the average NYMEX hedge price and the total weighted cost. Marcellus region basis hedges are shown for informational purposes only and are not included as part of the GPIP calculations.

Luly E. Massaro, Commission Clerk  
Semi-annual Report  
August 1, 2016  
Page 2 of 2

Page 6 of the Report shows the dollar amount of hedges broken out into mandatory, accelerated, and discretionary and the unit cost of each type of hedge under the program.

Finally, the individual trade data that had previously been provided in the GPIP quarterly report is shown beginning on page 7.

Thank you for your attention to this matter. If you have any questions, please do not hesitate to contact Stephen McCauley at 516-545-5403 or me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc:     Leo Wold, Esq.  
         Steve Scialabba, Division  
         Bruce Oliver, Division



Gas Procurement Incentive Program Worksheet - June 30 2016  
Incentive Calculation  
National Grid - Rhode Island

**TOTAL**

	Mandatory NYMEX	Discretionary NYMEX	Difference	Discretionary Volumes (Dt)	Gain/ (Loss)	Aggregate * Incentive %	Company Incentive
Jul-15	\$ 3.5923	\$ 3.5541	\$ 0.04	170,000	\$ 6,484	10.00%	\$ 648
Aug-15	\$ 3.6959	\$ 3.3594	\$ 0.34	160,000	\$ 53,844	10.00%	\$ 5,384
Sep-15	\$ 3.5137	\$ 3.3150	\$ 0.20	201,000	\$ 39,919	10.00%	\$ 3,992
Oct-15	\$ 3.3977	\$ 3.1176	\$ 0.28	391,000	\$ 109,496	10.00%	\$ 10,950
Nov-15	\$ 3.6194	\$ 3.1672	\$ 0.45	282,000	\$ 127,521	10.00%	\$ 12,752
Dec-15	\$ 4.1153	\$ 3.6676	\$ 0.45	514,000	\$ 230,108	10.00%	\$ 23,011
Jan-16	\$ 3.9442	\$ 3.4075	\$ 0.54	472,000	\$ 253,302	10.00%	\$ 25,330
Feb-16	\$ 3.9367	\$ 3.3748	\$ 0.56	509,000	\$ 286,000	10.00%	\$ 28,600
Mar-16	\$ 3.9887	\$ 3.3291	\$ 0.66	414,000	\$ 273,088	10.00%	\$ 27,309
Apr-16	\$ 3.2695	\$ 2.8569	\$ 0.41	570,000	\$ 235,190	10.00%	\$ 23,519
May-16	\$ 3.2591	\$ 3.0138	\$ 0.25	195,000	\$ 47,831	10.00%	\$ 4,783
Jun-16	\$ 3.0967	\$ 2.9946	\$ 0.10	165,000	\$ 16,850	10.00%	\$ 1,685
<b>Subtotal 15-16</b>				<b>4,043,000</b>	<b>\$ 1,679,633</b>		<b>\$ 167,963</b>
Jul-16	\$ 3.2354	\$ 3.1209	\$ 0.11	165,000	\$ 18,901	10.00%	\$ 1,890
Aug-16	\$ 3.4474	\$ 2.6193	\$ 0.83	115,000	\$ 95,222	10.00%	\$ 9,522
Sep-16	\$ 3.1007	\$ 2.6048	\$ 0.50	165,000	\$ 81,825	10.00%	\$ 8,183 **
Oct-16	\$ 3.1276	\$ 2.5473	\$ 0.58	385,000	\$ 223,423	10.00%	\$ 22,342
Nov-16	\$ 3.0563	\$ 2.9162	\$ 0.14	250,000	\$ 35,005	10.00%	\$ 3,501
Dec-16	\$ 3.2127	\$ 3.0446	\$ 0.17	210,000	\$ 35,297	10.00%	\$ 3,530
Jan-17	\$ 3.2797	\$ 3.2144	\$ 0.07	220,000	\$ 14,373	10.00%	\$ 1,437
Feb-17	\$ 3.2066	\$ 3.1809	\$ 0.03	230,000	\$ 5,921	10.00%	\$ 592
Mar-17	\$ 3.1289	\$ 3.0701	\$ 0.06	120,000	\$ 7,062	10.00%	\$ 706
Apr-17	\$ 2.9483	\$ 2.8642	\$ 0.08	90,000	\$ 7,564	10.00%	\$ 756
May-17	\$ 2.8494	\$ 2.7595	\$ 0.09	75,000	\$ 6,742	10.00%	\$ 674
Jun-17	\$ 2.8791	\$ 2.6838	\$ 0.20	50,000	\$ 9,764	10.00%	\$ 976
<b>Subtotal 16-17</b>				<b>2,075,000</b>	<b>\$ 541,098</b>		<b>\$ 54,110</b>
Jul-17	\$ 2.9906	\$ 2.7378	\$ 0.25	45,000	\$ 11,377	10.00%	\$ 1,138
Aug-17	\$ 2.8511	\$ 2.7321	\$ 0.12	70,000	\$ 8,324	10.00%	\$ 832
Sep-17	\$ 2.8203	\$ 2.7370	\$ 0.08	50,000	\$ 4,163	10.00%	\$ 416
Oct-17	\$ 2.8326	\$ 2.7258	\$ 0.11	40,000	\$ 4,275	10.00%	\$ 428
Nov-17	\$ 2.8417	\$ 2.7955	\$ 0.05	50,000	\$ 2,309	10.00%	\$ 231
Dec-17	\$ 2.9783	\$ 2.8592	\$ 0.12	25,000	\$ 2,976	10.00%	\$ 298
Jan-18	\$ 3.0951	\$ 2.7800	\$ 0.32	10,000	\$ 3,151	10.00%	\$ 315
Feb-18	\$ 3.0946	\$ 3.0803	\$ 0.01	20,000	\$ 287	10.00%	\$ 29
Mar-18	\$ 3.0263	\$ 3.1750	\$ (0.15)	10,000	\$ (1,487)	-10.00%	\$ (149)
Apr-18	\$ 2.7873	\$ 2.7750	\$ 0.01	20,000	\$ 246	10.00%	\$ 25
May-18	\$ 2.8645	\$ 2.8650	\$ (0.00)	15,000	\$ (7)	-10.00%	\$ (1)
Jun-18	\$ 2.8750	\$ 2.8750	\$ -	10,000	\$ -	0.00%	\$ -
<b>Subtotal 17-18</b>				<b>365,000</b>	<b>\$ 35,616</b>		<b>\$ 3,562</b>
<b>TOTAL</b>				<b>6,483,000</b>	<b>\$ 2,256,347</b>		<b>\$ 225,635</b>

\* Percentage Computed as the weighted average of the three levels of incentive as detailed below:

a) INCENTIVE MECHANISM Deals executed after Dec 1 2008

- a. i) 5% for trades executed within 4 months to the start of the supply month; 10% for trades executed within the 8 months to the start of
- a. ii) 20% for trades executed at least 8 months prior to the start of the Supply Month and Margin is higher than \$.50, 10% if margin is

In both a & b explained above a 10% Penalty is applicable for months where discretionary price is higher than the mandatory hedged price.

\*\* See "Exception (Error) Trades" tab!

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations



Deals executed within four months of the Supply Month - 5% Incentive Level

	VOLUME (Dth)			PURCHASE (USD)			Average Price (\$/Dth)			Margin (\$/Dth)	Incentive (USD)	Incentive %
	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary			
Jul-15	390,000	470,000	-	\$ 1,400,980	\$ 1,922,300	\$ -	\$ 3.5923	\$ 4.0900	\$ -	\$ -	\$ -	0%
Aug-15	390,000	470,000	-	\$ 1,441,400	\$ 1,882,500	\$ -	\$ 3.6959	\$ 4.0053	\$ -	\$ -	\$ -	0%
Sep-15	490,000	440,000	-	\$ 1,721,690	\$ 1,785,800	\$ -	\$ 3.5137	\$ 4.0586	\$ -	\$ -	\$ -	0%
Oct-15	600,000	520,000	-	\$ 2,038,594	\$ 2,111,950	\$ -	\$ 3.3977	\$ 4.0614	\$ -	\$ -	\$ -	0%
Nov-15	940,000	620,000	-	\$ 3,402,220	\$ 2,449,000	\$ -	\$ 3.6194	\$ 3.9500	\$ -	\$ -	\$ -	0%
Dec-15	1,080,000	1,360,000	-	\$ 4,444,490	\$ 5,796,900	\$ -	\$ 4.1153	\$ 4.2624	\$ -	\$ -	\$ -	0%
Jan-16	1,370,000	1,220,000	-	\$ 5,403,556	\$ 5,250,450	\$ -	\$ 3.9442	\$ 4.3036	\$ -	\$ -	\$ -	0%
Feb-16	1,200,000	1,260,000	-	\$ 4,724,020	\$ 5,485,200	\$ -	\$ 3.9367	\$ 4.3533	\$ -	\$ -	\$ -	0%
Mar-16	840,000	1,210,000	-	\$ 3,350,540	\$ 5,241,380	\$ -	\$ 3.9887	\$ 4.3317	\$ -	\$ -	\$ -	0%
Apr-16	910,000	730,000	-	\$ 2,975,276	\$ 2,994,850	\$ -	\$ 3.2695	\$ 4.1025	\$ -	\$ -	\$ -	0%
May-16	820,000	510,000	-	\$ 2,672,470	\$ 2,144,550	\$ -	\$ 3.2591	\$ 4.2050	\$ -	\$ -	\$ -	0%
Jun-16	730,000	280,000	-	\$ 2,260,590	\$ 1,168,720	\$ -	\$ 3.0967	\$ 4.1740	\$ -	\$ -	\$ -	0%
Jul-16	650,000	210,000	-	\$ 2,103,030	\$ 878,850	\$ -	\$ 3.2354	\$ 4.1850	\$ -	\$ -	\$ -	0%
Aug-16	360,000	470,000	-	\$ 1,241,050	\$ 1,886,050	\$ -	\$ 3.4474	\$ 4.0129	\$ -	\$ -	\$ -	0%
Sep-16	480,000	450,000	-	\$ 1,488,350	\$ 1,789,650	\$ -	\$ 3.1007	\$ 3.9770	\$ -	\$ -	\$ -	0%
Oct-16	590,000	500,000	-	\$ 1,845,310	\$ 1,998,000	\$ -	\$ 3.1276	\$ 3.9960	\$ -	\$ -	\$ -	0%
Nov-16	840,000	760,000	-	\$ 2,567,266	\$ 2,968,310	\$ -	\$ 3.0563	\$ 3.9057	\$ -	\$ -	\$ -	0%
Dec-16	1,180,000	1,140,000	-	\$ 3,790,940	\$ 4,607,880	\$ -	\$ 3.2127	\$ 4.0420	\$ -	\$ -	\$ -	0%
Jan-17	1,310,000	1,280,000	-	\$ 4,296,412	\$ 4,860,800	\$ -	\$ 3.2797	\$ 3.7975	\$ -	\$ -	\$ -	0%
Feb-17	1,160,000	1,140,000	-	\$ 3,719,682	\$ 4,112,400	\$ -	\$ 3.2066	\$ 3.6074	\$ -	\$ -	\$ -	0%
Mar-17	970,000	970,000	-	\$ 3,035,080	\$ 3,412,100	\$ -	\$ 3.1289	\$ 3.5176	\$ -	\$ -	\$ -	0%
Apr-17	530,000	750,000	-	\$ 1,562,580	\$ 2,411,250	\$ -	\$ 2.9483	\$ 3.2150	\$ -	\$ -	\$ -	0%
May-17	640,000	620,000	-	\$ 1,823,590	\$ 1,996,400	\$ -	\$ 2.8494	\$ 3.2200	\$ -	\$ -	\$ -	0%
Jun-17	390,000	440,000	-	\$ 1,122,840	\$ 1,422,450	\$ -	\$ 2.8791	\$ 3.2328	\$ -	\$ -	\$ -	0%
Jul-17	200,000	450,000	-	\$ 598,120	\$ 1,469,700	\$ -	\$ 2.9906	\$ 3.2660	\$ -	\$ -	\$ -	0%
Aug-17	320,000	320,000	-	\$ 912,340	\$ 1,008,000	\$ -	\$ 2.8511	\$ 3.1500	\$ -	\$ -	\$ -	0%
Sep-17	310,000	430,000	-	\$ 874,280	\$ 1,302,900	\$ -	\$ 2.8203	\$ 3.0300	\$ -	\$ -	\$ -	0%
Oct-17	320,000	560,000	-	\$ 906,440	\$ 1,674,400	\$ -	\$ 2.8326	\$ 2.9900	\$ -	\$ -	\$ -	0%
Nov-17	400,000	770,000	-	\$ 1,136,675	\$ 2,217,600	\$ -	\$ 2.8417	\$ 2.8800	\$ -	\$ -	\$ -	0%
Dec-17	480,000	1,130,000	-	\$ 1,429,560	\$ 3,373,050	\$ -	\$ 2.9783	\$ 2.9850	\$ -	\$ -	\$ -	0%
Jan-18	490,000	1,330,000	-	\$ 1,516,620	\$ 4,129,650	\$ -	\$ 3.0951	\$ 3.1050	\$ -	\$ -	\$ -	0%
Feb-18	390,000	1,200,000	-	\$ 1,206,900	\$ 3,545,400	\$ -	\$ 3.0946	\$ 2.9545	\$ -	\$ -	\$ -	0%
Mar-18	290,000	1,040,000	-	\$ 877,640	\$ 3,011,840	\$ -	\$ 3.0263	\$ 2.8960	\$ -	\$ -	\$ -	0%
Apr-18	140,000	650,000	-	\$ 390,220	\$ 1,768,000	\$ -	\$ 2.7873	\$ 2.7200	\$ -	\$ -	\$ -	0%
May-18	110,000	670,000	-	\$ 315,100	\$ 1,922,900	\$ -	\$ 2.8645	\$ 2.8700	\$ -	\$ -	\$ -	0%
Jun-18	50,000	480,000	-	143750	1380000	0	2.875	2.875	0	0	0	0

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations



Deals executed within eight months of the Supply Month - 10% Incentive Level

	VOLUME (Dth)			PURCHASE (USD)			Average Price (\$/Dth)			Margin (\$/Dth)	Incentive (USD)	Incentive %
	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary			
Jul-15	390,000	470,000	30,000	\$ 1,400,980	\$ 1,922,300	\$ 83,400	\$ 3.5923	\$ 4.0900	\$ 2.7800	\$ 0.8123	\$ 2,437	10%
Aug-15	390,000	470,000	80,000	\$ 1,441,400	\$ 1,882,500	\$ 228,650	\$ 3.6959	\$ 4.0053	\$ 2.8581	\$ 0.8378	\$ 6,702	10%
Sep-15	490,000	440,000	90,000	\$ 1,721,690	\$ 1,785,800	\$ 249,320	\$ 3.5137	\$ 4.0586	\$ 2.7702	\$ 0.7434	\$ 6,691	10%
Oct-15	600,000	520,000	220,000	\$ 2,038,594	\$ 2,111,950	\$ 627,913	\$ 3.3977	\$ 4.0614	\$ 2.8542	\$ 0.5435	\$ 11,957	10%
Nov-15	940,000	620,000	200,000	\$ 3,402,220	\$ 2,449,000	\$ 586,730	\$ 3.6194	\$ 3.9500	\$ 2.9337	\$ 0.6857	\$ 13,715	10%
Dec-15	1,080,000	1,360,000	140,000	\$ 4,444,490	\$ 5,796,900	\$ 427,220	\$ 4.1153	\$ 4.2624	\$ 3.0516	\$ 1.0637	\$ 14,892	10%
Jan-16	1,370,000	1,220,000	240,000	\$ 5,403,556	\$ 5,250,450	\$ 772,530	\$ 3.9442	\$ 4.3036	\$ 3.2189	\$ 0.7253	\$ 17,408	10%
Feb-16	1,200,000	1,260,000	210,000	\$ 4,724,020	\$ 5,485,200	\$ 652,490	\$ 3.9367	\$ 4.3533	\$ 3.1071	\$ 0.8296	\$ 17,421	10%
Mar-16	840,000	1,210,000	150,000	\$ 3,350,540	\$ 5,241,380	\$ 448,320	\$ 3.9887	\$ 4.3317	\$ 2.9888	\$ 0.9999	\$ 14,999	10%
Apr-16	910,000	730,000	320,000	\$ 2,975,276	\$ 2,994,850	\$ 824,229	\$ 3.2695	\$ 4.1025	\$ 2.5757	\$ 0.6938	\$ 22,202	10%
May-16	820,000	510,000	85,000	\$ 2,672,470	\$ 2,144,550	\$ 207,595	\$ 3.2591	\$ 4.2050	\$ 2.4423	\$ 0.8168	\$ 6,943	10%
Jun-16	730,000	280,000	75,000	\$ 2,260,590	\$ 1,168,720	\$ 184,215	\$ 3.0967	\$ 4.1740	\$ 2.4562	\$ 0.6405	\$ 4,804	10%
Jul-16	650,000	210,000	40,000	\$ 2,103,030	\$ 878,850	\$ 100,200	\$ 3.2354	\$ 4.1850	\$ 2.5050	\$ 0.7304	\$ 2,922	10%
Aug-16	360,000	470,000	60,000	\$ 1,241,050	\$ 1,886,050	\$ 124,680	\$ 3.4474	\$ 4.0129	\$ 2.0780	\$ 1.3694	\$ 8,216	10%
Sep-16	480,000	450,000	100,000	\$ 1,488,350	\$ 1,789,650	\$ 218,280	\$ 3.1007	\$ 3.9770	\$ 2.1828	\$ 0.9179	\$ 9,179	10%
Oct-16	590,000	500,000	250,000	\$ 1,845,310	\$ 1,998,000	\$ 583,170	\$ 3.1276	\$ 3.9960	\$ 2.3327	\$ 0.7950	\$ 19,874	10%
Nov-16	840,000	760,000	90,000	\$ 2,567,266	\$ 2,968,310	\$ 231,670	\$ 3.0563	\$ 3.9057	\$ 2.5741	\$ 0.4822	\$ 4,339	10%
Dec-16	1,180,000	1,140,000	80,000	\$ 3,790,940	\$ 4,607,880	\$ 231,940	\$ 3.2127	\$ 4.0420	\$ 2.8993	\$ 0.3134	\$ 2,507	10%
Jan-17	1,310,000	1,280,000	60,000	\$ 4,296,412	\$ 4,860,800	\$ 187,500	\$ 3.2797	\$ 3.7975	\$ 3.1250	\$ 0.1547	\$ 928	10%
Feb-17	1,160,000	1,140,000	-	\$ 3,719,682	\$ 4,112,400	\$ -	\$ 3.2066	\$ 3.6074	\$ -	\$ -	\$ -	0%
Mar-17	970,000	970,000	-	\$ 3,035,080	\$ 3,412,100	\$ -	\$ 3.1289	\$ 3.5176	\$ -	\$ -	\$ -	0%
Apr-17	530,000	750,000	-	\$ 1,562,580	\$ 2,411,250	\$ -	\$ 2.9483	\$ 3.2150	\$ -	\$ -	\$ -	0%
May-17	640,000	620,000	-	\$ 1,823,590	\$ 1,996,400	\$ -	\$ 2.8494	\$ 3.2200	\$ -	\$ -	\$ -	0%
Jun-17	390,000	440,000	-	\$ 1,122,840	\$ 1,422,450	\$ -	\$ 2.8791	\$ 3.2328	\$ -	\$ -	\$ -	0%
Jul-17	200,000	450,000	-	\$ 598,120	\$ 1,469,700	\$ -	\$ 2.9906	\$ 3.2660	\$ -	\$ -	\$ -	0%
Aug-17	320,000	320,000	-	\$ 912,340	\$ 1,008,000	\$ -	\$ 2.8511	\$ 3.1500	\$ -	\$ -	\$ -	0%
Sep-17	310,000	430,000	-	\$ 874,280	\$ 1,302,900	\$ -	\$ 2.8203	\$ 3.0300	\$ -	\$ -	\$ -	0%
Oct-17	320,000	560,000	-	\$ 906,440	\$ 1,674,400	\$ -	\$ 2.8326	\$ 2.9900	\$ -	\$ -	\$ -	0%
Nov-17	400,000	770,000	-	\$ 1,136,675	\$ 2,217,600	\$ -	\$ 2.8417	\$ 2.8800	\$ -	\$ -	\$ -	0%
Dec-17	480,000	1,130,000	-	\$ 1,429,560	\$ 3,373,050	\$ -	\$ 2.9783	\$ 2.9850	\$ -	\$ -	\$ -	0%
Jan-18	490,000	1,330,000	-	\$ 1,516,620	\$ 4,129,650	\$ -	\$ 3.0951	\$ 3.1050	\$ -	\$ -	\$ -	0%
Feb-18	390,000	1,200,000	-	\$ 1,206,900	\$ 3,545,400	\$ -	\$ 3.0946	\$ 2.9545	\$ -	\$ -	\$ -	0%
Mar-18	290,000	1,040,000	-	\$ 877,640	\$ 3,011,840	\$ -	\$ 3.0263	\$ 2.8960	\$ -	\$ -	\$ -	0%
Apr-18	140,000	650,000	-	\$ 390,220	\$ 1,768,000	\$ -	\$ 2.7873	\$ 2.7200	\$ -	\$ -	\$ -	0%
May-18	110,000	670,000	-	\$ 315,100	\$ 1,922,900	\$ -	\$ 2.8645	\$ 2.8700	\$ -	\$ -	\$ -	0%
Jun-18	50000	480000	0	143750	1380000	0	2.875	2.875	0	0	0	0

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations  
Incentive Calculation  
**NEC Gas Cost Volatility Hedging**



Deals executed more than eight months prior to the Supply Month - Upto 20% Incentive Level

	VOLUME (Dth)			PURCHASE (USD)			Average Price (\$/Dth)			Margin (\$/Dth)	Incentive (USD)	Incentive %
	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary	Mandatory	Accelerated	Discretionary			
Jul-15	390,000	470,000	140,000	\$ 1,400,980	\$ 1,922,300	\$ 520,800	\$ 3.5923	\$ 4.0900	\$ 3.7200	\$ (0.1277)	\$ (1,788)	10%
Aug-15	390,000	470,000	80,000	\$ 1,441,400	\$ 1,882,500	\$ 308,850	\$ 3.6959	\$ 4.0053	\$ 3.8606	\$ (0.1647)	\$ (1,318)	10%
Sep-15	490,000	440,000	111,000	\$ 1,721,690	\$ 1,785,800	\$ 417,005	\$ 3.5137	\$ 4.0586	\$ 3.7568	\$ (0.2431)	\$ (2,699)	10%
Oct-15	600,000	520,000	171,000	\$ 2,038,594	\$ 2,111,950	\$ 591,075	\$ 3.3977	\$ 4.0614	\$ 3.4566	\$ (0.0589)	\$ (1,008)	10%
Nov-15	940,000	620,000	82,000	\$ 3,402,220	\$ 2,449,000	\$ 306,415	\$ 3.6194	\$ 3.9500	\$ 3.7368	\$ (0.1174)	\$ (963)	10%
Dec-15	1,080,000	1,360,000	374,000	\$ 4,444,490	\$ 5,796,900	\$ 1,457,920	\$ 4.1153	\$ 4.2624	\$ 3.8982	\$ 0.2171	\$ 8,119	10%
Jan-16	1,370,000	1,220,000	232,000	\$ 5,403,556	\$ 5,250,450	\$ 835,831	\$ 3.9442	\$ 4.3036	\$ 3.6027	\$ 0.3415	\$ 7,922	10%
Feb-16	1,200,000	1,260,000	299,000	\$ 4,724,020	\$ 5,485,200	\$ 1,065,282	\$ 3.9367	\$ 4.3533	\$ 3.5628	\$ 0.3739	\$ 11,179	10%
Mar-16	840,000	1,210,000	264,000	\$ 3,350,540	\$ 5,241,380	\$ 929,930	\$ 3.9887	\$ 4.3317	\$ 3.5225	\$ 0.4663	\$ 12,310	10%
Apr-16	910,000	730,000	250,000	\$ 2,975,276	\$ 2,994,850	\$ 804,215	\$ 3.2695	\$ 4.1025	\$ 3.2169	\$ 0.0527	\$ 1,317	10%
May-16	820,000	510,000	110,000	\$ 2,672,470	\$ 2,144,550	\$ 380,100	\$ 3.2591	\$ 4.2050	\$ 3.4555	\$ (0.1963)	\$ (2,160)	10%
Jun-16	730,000	280,000	90,000	\$ 2,260,590	\$ 1,168,720	\$ 309,890	\$ 3.0967	\$ 4.1740	\$ 3.4432	\$ (0.3465)	\$ (3,119)	10%
Jul-16	650,000	210,000	125,000	\$ 2,103,030	\$ 878,850	\$ 414,745	\$ 3.2354	\$ 4.1850	\$ 3.3180	\$ (0.0825)	\$ (1,032)	10%
Aug-16	360,000	470,000	55,000	\$ 1,241,050	\$ 1,886,050	\$ 176,545	\$ 3.4474	\$ 4.0129	\$ 3.2099	\$ 0.2375	\$ 1,306	10%
Sep-16	480,000	450,000	65,000	\$ 1,488,350	\$ 1,789,650	\$ 211,515	\$ 3.1007	\$ 3.9770	\$ 3.2541	\$ (0.1533)	\$ (997)	10%
Oct-16	590,000	500,000	135,000	\$ 1,845,310	\$ 1,998,000	\$ 397,550	\$ 3.1276	\$ 3.9960	\$ 2.9448	\$ 0.1828	\$ 2,468	10%
Nov-16	840,000	760,000	160,000	\$ 2,567,266	\$ 2,968,310	\$ 497,392	\$ 3.0563	\$ 3.9057	\$ 3.1087	\$ (0.0524)	\$ (839)	10%
Dec-16	1,180,000	1,140,000	130,000	\$ 3,790,940	\$ 4,607,880	\$ 407,422	\$ 3.2127	\$ 4.0420	\$ 3.1340	\$ 0.0786	\$ 1,022	10%
Jan-17	1,310,000	1,280,000	160,000	\$ 4,296,412	\$ 4,860,800	\$ 519,662	\$ 3.2797	\$ 3.7975	\$ 3.2479	\$ 0.0318	\$ 509	10%
Feb-17	1,160,000	1,140,000	230,000	\$ 3,719,682	\$ 4,112,400	\$ 731,602	\$ 3.2066	\$ 3.6074	\$ 3.1809	\$ 0.0257	\$ 592	10%
Mar-17	970,000	970,000	120,000	\$ 3,035,080	\$ 3,412,100	\$ 368,412	\$ 3.1289	\$ 3.5176	\$ 3.0701	\$ 0.0588	\$ 706	10%
Apr-17	530,000	750,000	90,000	\$ 1,562,580	\$ 2,411,250	\$ 257,780	\$ 2.9483	\$ 3.2150	\$ 2.8642	\$ 0.0840	\$ 756	10%
May-17	640,000	620,000	75,000	\$ 1,823,590	\$ 1,996,400	\$ 206,960	\$ 2.8494	\$ 3.2200	\$ 2.7595	\$ 0.0899	\$ 674	10%
Jun-17	390,000	440,000	50,000	\$ 1,122,840	\$ 1,422,450	\$ 134,190	\$ 2.8791	\$ 3.2328	\$ 2.6838	\$ 0.1953	\$ 976	10%
Jul-17	200,000	450,000	45,000	\$ 598,120	\$ 1,469,700	\$ 123,200	\$ 2.9906	\$ 3.2660	\$ 2.7378	\$ 0.2528	\$ 1,138	10%
Aug-17	320,000	320,000	70,000	\$ 912,340	\$ 1,008,000	\$ 191,250	\$ 2.8511	\$ 3.1500	\$ 2.7321	\$ 0.1189	\$ 832	10%
Sep-17	310,000	430,000	50,000	\$ 874,280	\$ 1,302,900	\$ 136,850	\$ 2.8203	\$ 3.0300	\$ 2.7370	\$ 0.0833	\$ 416	10%
Oct-17	320,000	560,000	40,000	\$ 906,440	\$ 1,674,400	\$ 109,030	\$ 2.8326	\$ 2.9900	\$ 2.7258	\$ 0.1069	\$ 428	10%
Nov-17	400,000	770,000	50,000	\$ 1,136,675	\$ 2,217,600	\$ 139,775	\$ 2.8417	\$ 2.8800	\$ 2.7955	\$ 0.0462	\$ 231	10%
Dec-17	480,000	1,130,000	25,000	\$ 1,429,560	\$ 3,373,050	\$ 71,480	\$ 2.9783	\$ 2.9850	\$ 2.8592	\$ 0.1191	\$ 298	10%
Jan-18	490,000	1,330,000	10,000	\$ 1,516,620	\$ 4,129,650	\$ 27,800	\$ 3.0951	\$ 3.1050	\$ 2.7800	\$ 0.3151	\$ 315	10%
Feb-18	390,000	1,200,000	20,000	\$ 1,206,900	\$ 3,545,400	\$ 61,605	\$ 3.0946	\$ 2.9545	\$ 3.0803	\$ 0.0144	\$ 29	10%
Mar-18	290,000	1,040,000	10,000	\$ 877,640	\$ 3,011,840	\$ 31,750	\$ 3.0263	\$ 2.8960	\$ 3.1750	\$ (0.1487)	\$ (149)	10%
Apr-18	140,000	650,000	20,000	\$ 390,220	\$ 1,768,000	\$ 55,500	\$ 2.7873	\$ 2.7200	\$ 2.7750	\$ 0.0123	\$ 25	10%
May-18	110,000	670,000	15,000	\$ 315,100	\$ 1,922,900	\$ 42,975	\$ 2.8645	\$ 2.8700	\$ 2.8650	\$ (0.0005)	\$ (1)	10%
Jun-18	50,000	480,000	10,000	\$ 143,750	\$ 1,380,000	\$ 28,750	\$ 2.8750	\$ 2.8750	\$ 2.8750	\$ -	\$ -	0%

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations



National Grid - Rhode Island

Volume *	HEDGED VOLUME (Dth)					Monthly	Percentage	Average
	Forecast (Dth)	Mandatory	Accelerated	Discretionary	Basis Hedge			
7/1/2015	1,228,879	390,000	470,000	170,000	-	1,030,000	84%	\$ 3.8131 \$ 3,927,480
8/1/2015	1,217,165	390,000	470,000	160,000	-	1,020,000	84%	\$ 3.7857 \$ 3,861,400
9/1/2015	1,329,630	490,000	440,000	201,000	-	1,131,000	85%	\$ 3.6904 \$ 4,173,815
10/1/2015	1,854,261	600,000	520,000	391,000	-	1,511,000	81%	\$ 3.5536 \$ 5,369,532
11/1/2015	2,227,256	940,000	620,000	282,000	940,000	1,842,000	83%	\$ 3.6614 \$ 6,744,365
12/1/2015	3,363,839	1,080,000	1,360,000	514,000	1,110,000	2,954,000	88%	\$ 4.1051 \$ 12,126,530
1/1/2016	3,697,235	1,370,000	1,220,000	472,000	1,140,000	3,062,000	83%	\$ 4.0047 \$ 12,262,367
2/1/2016	3,623,416	1,200,000	1,260,000	509,000	1,050,000	2,969,000	82%	\$ 4.0172 \$ 11,926,992
3/1/2016	3,257,103	840,000	1,210,000	414,000	1,050,000	2,464,000	76%	\$ 4.0463 \$ 9,970,170
4/1/2016	2,742,586	910,000	730,000	570,000	590,000	2,210,000	81%	\$ 3.4383 \$ 7,598,570
5/1/2016	1,888,433	820,000	510,000	195,000	970,000	1,525,000	81%	\$ 3.5441 \$ 5,404,715
6/1/2016	1,447,752	730,000	280,000	165,000	470,000	1,175,000	81%	\$ 3.3391 \$ 3,923,415
7/1/2016	1,233,468	650,000	210,000	165,000	810,000	1,025,000	83%	\$ 3.4115 \$ 3,496,825
8/1/2016	1,187,240	360,000	470,000	115,000	700,000	945,000	80%	\$ 3.6279 \$ 3,428,325
9/1/2016	1,329,644	480,000	450,000	165,000	400,000	1,095,000	82%	\$ 3.3861 \$ 3,707,795
10/1/2016	1,798,225	590,000	500,000	385,000	670,000	1,475,000	82%	\$ 3.2705 \$ 4,824,030
11/1/2016	2,299,372	840,000	760,000	250,000	190,000	1,850,000	80%	\$ 3.3863 \$ 6,264,638
12/1/2016	3,380,902	1,180,000	1,140,000	210,000	630,000	2,530,000	75%	\$ 3.5724 \$ 9,038,182
1/1/2017	3,870,387	1,310,000	1,280,000	220,000	610,000	2,810,000	73%	\$ 3.5105 \$ 9,864,374
2/1/2017	3,557,898	1,160,000	1,140,000	230,000	530,000	2,530,000	71%	\$ 3.3849 \$ 8,563,684
3/1/2017	3,109,819	970,000	970,000	120,000	470,000	2,060,000	66%	\$ 3.3085 \$ 6,815,592
4/1/2017	2,307,874	530,000	750,000	90,000	-	1,370,000	59%	\$ 3.0888 \$ 4,231,610
5/1/2017	2,206,886	640,000	620,000	75,000	-	1,335,000	60%	\$ 3.0164 \$ 4,026,950
6/1/2017	1,447,535	390,000	440,000	50,000	-	880,000	61%	\$ 3.0449 \$ 2,679,480
7/1/2017	1,009,814	200,000	450,000	45,000	-	695,000	69%	\$ 3.1525 \$ 2,191,020
8/1/2017	1,265,781	320,000	320,000	70,000	-	710,000	56%	\$ 2.9741 \$ 2,111,590
9/1/2017	1,444,134	310,000	430,000	50,000	-	790,000	55%	\$ 2.9292 \$ 2,314,030
10/1/2017	2,013,174	320,000	560,000	40,000	-	920,000	46%	\$ 2.9238 \$ 2,689,870
11/1/2017	2,413,638	400,000	770,000	50,000	-	1,220,000	51%	\$ 2.8640 \$ 3,494,050
12/1/2017	3,402,848	480,000	1,130,000	25,000	-	1,635,000	48%	\$ 2.9811 \$ 4,874,090
1/1/2018	3,984,541	490,000	1,330,000	10,000	-	1,830,000	46%	\$ 3.1006 \$ 5,674,070
2/1/2018	3,592,604	390,000	1,200,000	20,000	-	1,610,000	45%	\$ 2.9900 \$ 4,813,905
3/1/2018	3,120,578	290,000	1,040,000	10,000	-	1,340,000	43%	\$ 2.9263 \$ 3,921,230
4/1/2018	2,271,617	140,000	650,000	20,000	-	810,000	36%	\$ 2.7330 \$ 2,213,720
5/1/2018	2,008,276	110,000	670,000	15,000	-	795,000	40%	\$ 2.8692 \$ 2,280,975
6/1/2018	1,430,962	50,000	480,000	10,000	-	540,000	38%	\$ 2.8750 \$ 1,552,500

\*\* See "Exception (Error) Trades" tab!

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations



	PURCHASE (USD)			Basis Hedge (MtM)	Average Price (\$/Dth)			Basis Hedge (MtM / Dth)
	Mandatory	Accelerated	Discretionary		Mandatory	Accelerated	Discretionary	
7/1/2015	\$ 1,400,980	\$ 1,922,300	\$ 604,200	\$ -	\$ 3.5923	\$ 4.0900	\$ 3.5541	\$ -
8/1/2015	\$ 1,441,400	\$ 1,882,500	\$ 537,500	\$ -	\$ 3.6959	\$ 4.0053	\$ 3.3594	\$ -
9/1/2015	\$ 1,721,690	\$ 1,785,800	\$ 666,325	\$ -	\$ 3.5137	\$ 4.0586	\$ 3.3150	\$ -
10/1/2015	\$ 2,038,594	\$ 2,111,950	\$ 1,218,988	\$ -	\$ 3.3977	\$ 4.0614	\$ 3.1176	\$ -
11/1/2015	\$ 3,402,220	\$ 2,449,000	\$ 893,145	\$ 171,605	\$ 3.6194	\$ 3.9500	\$ 3.1672	\$ 0.1826
12/1/2015	\$ 4,444,490	\$ 5,796,900	\$ 1,885,140	\$ 152,290	\$ 4.1153	\$ 4.2624	\$ 3.6676	\$ 0.1372
1/1/2016	\$ 5,403,556	\$ 5,250,450	\$ 1,608,361	\$ (337,330)	\$ 3.9442	\$ 4.3036	\$ 3.4075	\$ (0.2959)
2/1/2016	\$ 4,724,020	\$ 5,485,200	\$ 1,717,772	\$ (28,700)	\$ 3.9367	\$ 4.3533	\$ 3.3748	\$ (0.0273)
3/1/2016	\$ 3,350,540	\$ 5,241,380	\$ 1,378,250	\$ 119,300	\$ 3.9887	\$ 4.3317	\$ 3.3291	\$ 0.1136
4/1/2016	\$ 2,975,276	\$ 2,994,850	\$ 1,628,444	\$ 120,280	\$ 3.2695	\$ 4.1025	\$ 2.8569	\$ 0.2039
5/1/2016	\$ 2,672,470	\$ 2,144,550	\$ 587,695	\$ 210,750	\$ 3.2591	\$ 4.2050	\$ 3.0138	\$ 0.2173
6/1/2016	\$ 2,260,590	\$ 1,168,720	\$ 494,105	\$ 153,790	\$ 3.0967	\$ 4.1740	\$ 2.9946	\$ 0.3272
7/1/2016	\$ 2,103,030	\$ 878,850	\$ 514,945	\$ (20,550)	\$ 3.2354	\$ 4.1850	\$ 3.1209	\$ (0.0254)
8/1/2016	\$ 1,241,050	\$ 1,886,050	\$ 301,225	\$ (182,725)	\$ 3.4474	\$ 4.0129	\$ 2.6193	\$ (0.2610)
9/1/2016	\$ 1,488,350	\$ 1,789,165	\$ 429,795	\$ (97,510)	\$ 3.1007	\$ 3.9759	\$ 2.6048	\$ (0.2438)
10/1/2016	\$ 1,845,310	\$ 1,998,000	\$ 980,720	\$ (157,515)	\$ 3.1276	\$ 3.9960	\$ 2.5473	\$ (0.2351)
11/1/2016	\$ 2,567,266	\$ 2,968,310	\$ 729,062	\$ (40,945)	\$ 3.0563	\$ 3.9057	\$ 2.9162	\$ (0.2155)
12/1/2016	\$ 3,790,940	\$ 4,607,880	\$ 639,362	\$ (68,285)	\$ 3.2127	\$ 4.0420	\$ 3.0446	\$ (0.1084)
1/1/2017	\$ 4,296,412	\$ 4,860,800	\$ 707,162	\$ 26,175	\$ 3.2797	\$ 3.7975	\$ 3.2144	\$ 0.0429
2/1/2017	\$ 3,719,682	\$ 4,112,400	\$ 731,602	\$ 16,400	\$ 3.2066	\$ 3.6074	\$ 3.1809	\$ 0.0309
3/1/2017	\$ 3,035,080	\$ 3,412,100	\$ 368,412	\$ (28,935)	\$ 3.1289	\$ 3.5176	\$ 3.0701	\$ (0.0616)
4/1/2017	\$ 1,562,580	\$ 2,411,250	\$ 257,780	\$ -	\$ 2.9483	\$ 3.2150	\$ 2.8642	\$ -
5/1/2017	\$ 1,823,590	\$ 1,996,400	\$ 206,960	\$ -	\$ 2.8494	\$ 3.2200	\$ 2.7595	\$ -
6/1/2017	\$ 1,122,840	\$ 1,422,450	\$ 134,190	\$ -	\$ 2.8791	\$ 3.2328	\$ 2.6838	\$ -
7/1/2017	\$ 598,120	\$ 1,469,700	\$ 123,200	\$ -	\$ 2.9906	\$ 3.2660	\$ 2.7378	\$ -
8/1/2017	\$ 912,340	\$ 1,008,000	\$ 191,250	\$ -	\$ 2.8511	\$ 3.1500	\$ 2.7321	\$ -
9/1/2017	\$ 874,280	\$ 1,302,900	\$ 136,850	\$ -	\$ 2.8203	\$ 3.0300	\$ 2.7370	\$ -
10/1/2017	\$ 906,440	\$ 1,674,400	\$ 109,030	\$ -	\$ 2.8326	\$ 2.9900	\$ 2.7258	\$ -
11/1/2017	\$ 1,136,675	\$ 2,217,600	\$ 139,775	\$ -	\$ 2.8417	\$ 2.8800	\$ 2.7955	\$ -
12/1/2017	\$ 1,429,560	\$ 3,373,050	\$ 71,480	\$ -	\$ 2.9783	\$ 2.9850	\$ 2.8592	\$ -
1/1/2018	\$ 1,516,620	\$ 4,129,650	\$ 27,800	\$ -	\$ 3.0951	\$ 3.1050	\$ 2.7800	\$ -
2/1/2018	\$ 1,206,900	\$ 3,545,400	\$ 61,605	\$ -	\$ 3.0946	\$ 2.9545	\$ 3.0803	\$ -
3/1/2018	\$ 877,640	\$ 3,011,840	\$ 31,750	\$ -	\$ 3.0263	\$ 2.8960	\$ 3.1750	\$ -
4/1/2018	\$ 390,220	\$ 1,768,000	\$ 55,500	\$ -	\$ 2.7873	\$ 2.7200	\$ 2.7750	\$ -
5/1/2018	\$ 315,100	\$ 1,922,900	\$ 42,975	\$ -	\$ 2.8645	\$ 2.8700	\$ 2.8650	\$ -
6/1/2018	\$ 143,750	\$ 1,380,000	\$ 28,750	\$ -	\$ 2.8750	\$ 2.8750	\$ 2.8750	\$ -

Please note that negative basis numbers would increase the cost of the hedge, and that basis figures are shown for informational purposes only and are not included as part of any GPIP calculations.

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
137149	NG Future	HENRY HUB	Jul-15	MANDATORY	7/1/2013	5.0	\$ 4.0800	\$ 204,000
137151	NG Future	HENRY HUB	Jul-15	ACCELERATED	7/1/2013	16.0	\$ 4.0800	\$ 652,800
138058	NG Future	HENRY HUB	Jul-15	ACCELERATED	7/9/2013	16.0	\$ 4.1000	\$ 656,000
138560	NG Future	HENRY HUB	Jul-15	ACCELERATED	7/15/2013	15.0	\$ 4.0900	\$ 613,500
140042	NG Future	HENRY HUB	Jul-15	DISCRETIONARY	7/29/2013	1.0	\$ 4.0150	\$ 40,150
142854	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	8/27/2013	3.0	\$ 4.0600	\$ 121,800
145412	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	9/20/2013	4.0	\$ 4.0870	\$ 163,480
146965	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	10/11/2013	3.0	\$ 4.0900	\$ 122,700
174877	NG OTC Swap	HENRY HUB	Jul-15	DISCRETIONARY	7/28/2014	5.0	\$ 3.8250	\$ 191,250
182844	NG Future	HENRY HUB	Jul-15	DISCRETIONARY	10/21/2014	4.0	\$ 3.6650	\$ 146,600
183214	NG Future	HENRY HUB	Jul-15	DISCRETIONARY	10/24/2014	4.0	\$ 3.5700	\$ 142,800
186219	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	11/13/2014	6.0	\$ 3.7700	\$ 226,200
188326	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	12/2/2014	6.0	\$ 3.6100	\$ 216,600
191461	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	1/5/2015	6.0	\$ 2.9900	\$ 179,400
193770	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	2/5/2015	6.0	\$ 2.7800	\$ 166,800
193771	NG OTC Swap	HENRY HUB	Jul-15	DISCRETIONARY	2/5/2015	3.0	\$ 2.7800	\$ 83,400
196062	NG Future	HENRY HUB	Jul-15	ACCELERATED	3/3/2015	-31.0	\$ -	\$ -
196063	NG Future	HENRY HUB	Jul-15	MANDATORY	3/3/2015	-5.0	\$ -	\$ -
196076	NG Future	HENRY HUB	Jul-15	DISCRETIONARY	3/3/2015	-5.0	\$ -	\$ -
196077	NG Future	HENRY HUB	Jul-15	ACCELERATED	3/3/2015	-16.0	\$ -	\$ -
196078	NG Future	HENRY HUB	Jul-15	DISCRETIONARY	3/3/2015	-4.0	\$ -	\$ -
196079	NG OTC Swap	HENRY HUB	Jul-15	ACCELERATED	3/3/2015	47.0	\$ -	\$ -
196080	NG OTC Swap	HENRY HUB	Jul-15	DISCRETIONARY	3/3/2015	9.0	\$ -	\$ -
196081	NG OTC Swap	HENRY HUB	Jul-15	MANDATORY	3/3/2015	5.0	\$ -	\$ -

Please note th:

103.0                   \$ 3,927,480

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
140360	NG Future	HENRY HUB	Aug-15	MANDATORY	8/1/2013	5.0	\$ 4.0250	\$ 201,250
140361	NG Future	HENRY HUB	Aug-15	ACCELERATED	8/1/2013	16.0	\$ 4.0250	\$ 644,000
140598	NG Future	HENRY HUB	Aug-15	ACCELERATED	8/5/2013	15.0	\$ 3.9900	\$ 598,500
141871	NG Future	HENRY HUB	Aug-15	ACCELERATED	8/15/2013	16.0	\$ 4.0000	\$ 640,000
141872	NG Future	HENRY HUB	Aug-15	DISCRETIONARY	8/15/2013	1.0	\$ 4.0000	\$ 40,000
145412	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	9/20/2013	3.0	\$ 4.0920	\$ 122,760
146965	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	10/11/2013	3.0	\$ 4.0900	\$ 122,700
150877	NG Future	HENRY HUB	Aug-15	MANDATORY	11/14/2013	1.0	\$ 3.8700	\$ 38,700
153922	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	12/19/2013	1.0	\$ 4.0800	\$ 40,800
157027	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	1/27/2014	1.0	\$ 4.0500	\$ 40,500
158590	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	2/10/2014	1.0	\$ 4.0150	\$ 40,150
161641	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	3/11/2014	1.0	\$ 4.0900	\$ 40,900
166351	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	4/24/2014	1.0	\$ 4.2200	\$ 42,200
168055	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	5/7/2014	1.0	\$ 4.2400	\$ 42,400
170761	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	6/10/2014	1.0	\$ 4.1410	\$ 41,410
172514	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	7/1/2014	1.0	\$ 4.1100	\$ 41,100
174877	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	7/28/2014	5.0	\$ 3.8350	\$ 191,750
176651	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	8/13/2014	1.0	\$ 3.9070	\$ 39,070
178226	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	9/2/2014	1.0	\$ 3.8550	\$ 38,550
178227	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	9/2/2014	2.0	\$ 3.8550	\$ 77,100
180728	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	10/1/2014	1.0	\$ 3.8560	\$ 38,560
186219	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	11/13/2014	3.0	\$ 3.7800	\$ 113,400
188326	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	12/2/2014	3.0	\$ 3.6200	\$ 108,600
191461	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	1/5/2015	3.0	\$ 3.0150	\$ 90,450
193770	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	2/5/2015	3.0	\$ 2.7900	\$ 83,700
193771	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	2/5/2015	1.0	\$ 2.7900	\$ 27,900
196456	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	3/9/2015	4.0	\$ 2.8550	\$ 114,200
196458	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	3/9/2015	1.0	\$ 2.8550	\$ 28,550
197943	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	3/23/2015	6.0	\$ 2.8700	\$ 172,200
199114	NG OTC Swap	HENRY HUB	Aug-15	ACCELERATED	4/2/2015	47.0	\$ -	\$ -
199115	NG OTC Swap	HENRY HUB	Aug-15	DISCRETIONARY	4/2/2015	1.0	\$ -	\$ -
199116	NG OTC Swap	HENRY HUB	Aug-15	MANDATORY	4/2/2015	6.0	\$ -	\$ -
							<b>102.0</b>	<b>\$ 3,861,400</b>

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
143603	NG Future	HENRY HUB	Sep-15	MANDATORY	9/4/2013	5.0	\$ 4,0900	\$ 204,500
143604	NG Future	HENRY HUB	Sep-15	ACCELERATED	9/4/2013	15.0	\$ 4,0900	\$ 613,500
144444	NG Future	HENRY HUB	Sep-15	ACCELERATED	9/10/2013	15.0	\$ 4,0400	\$ 606,000
145621	NG Future	HENRY HUB	Sep-15	ACCELERATED	9/24/2013	14.0	\$ 4,0450	\$ 566,300
145622	NG Future	HENRY HUB	Sep-15	DISCRETIONARY	9/24/2013	1.0	\$ 4,0450	\$ 40,450
146965	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	10/11/2013	3.0	\$ 4,1000	\$ 123,000
150878	NG Future	HENRY HUB	Sep-15	MANDATORY	11/14/2013	1.0	\$ 3,8650	\$ 38,650
153922	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	12/19/2013	1.0	\$ 4,0850	\$ 40,850
157027	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	1/27/2014	1.0	\$ 4,0400	\$ 40,400
158590	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	2/10/2014	1.0	\$ 4,0100	\$ 40,100
160049	NG Future	HENRY HUB	Sep-15	DISCRETIONARY	2/27/2014	1.0	\$ 4,0000	\$ 40,000
161641	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	3/11/2014	1.0	\$ 4,0700	\$ 40,700
166351	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	4/24/2014	1.0	\$ 4,2050	\$ 42,050
166352	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	4/24/2014	0.1	\$ 4,2050	\$ 4,205
168055	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	5/7/2014	1.0	\$ 4,2200	\$ 42,200
170761	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	6/10/2014	1.0	\$ 4,1250	\$ 41,250
172514	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	7/1/2014	1.0	\$ 4,1000	\$ 41,000
174877	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	7/28/2014	5.0	\$ 3,8250	\$ 191,250
176651	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	8/13/2014	1.0	\$ 3,8800	\$ 38,800
178226	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	9/2/2014	1.0	\$ 3,8450	\$ 38,450
178227	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	9/2/2014	2.0	\$ 3,8450	\$ 76,900
180728	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	10/1/2014	1.0	\$ 3,8440	\$ 38,440
186219	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	11/13/2014	5.0	\$ 3,7700	\$ 188,500
188326	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	12/2/2014	5.0	\$ 3,6200	\$ 181,000
190583	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	12/22/2014	2.0	\$ 3,2100	\$ 64,200
191461	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	1/5/2015	5.0	\$ 2,9900	\$ 149,500
193770	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	2/5/2015	5.0	\$ 2,7800	\$ 139,000
193771	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	2/5/2015	1.0	\$ 2,7800	\$ 27,800
196456	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	3/9/2015	5.0	\$ 2,8500	\$ 142,500
196458	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	3/9/2015	1.0	\$ 2,8500	\$ 28,500
197943	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	3/23/2015	2.0	\$ 2,8700	\$ 57,400
199600	NG OTC Swap	HENRY HUB	Sep-15	MANDATORY	4/8/2015	4.0	\$ 2,7700	\$ 110,800
199610	NG OTC Swap	HENRY HUB	Sep-15	DISCRETIONARY	4/8/2015	1.0	\$ 2,7700	\$ 27,700
199732	NG Future	HENRY HUB	Sep-15	DISCRETIONARY	4/9/2015	4.0	\$ 2,6980	\$ 107,920
							113.1	\$ 4,173,815

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
146041 NG Future		HENRY HUB	Oct-15	MANDATORY	10/1/2013	6.0	\$ 4.0500	\$ 243,000
146043 NG Future		HENRY HUB	Oct-15	ACCELERATED	10/1/2013	18.0	\$ 4.0500	\$ 729,000
146939 NG Future		HENRY HUB	Oct-15	ACCELERATED	10/11/2013	17.0	\$ 4.1150	\$ 699,550
148136 NG Future		HENRY HUB	Oct-15	ACCELERATED	10/23/2013	17.0	\$ 4.0200	\$ 683,400
148137 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	10/23/2013	2.0	\$ 4.0200	\$ 80,400
150879 NG Future		HENRY HUB	Oct-15	MANDATORY	11/14/2013	1.0	\$ 3.8650	\$ 38,650
153922 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	12/19/2013	1.0	\$ 4.1050	\$ 41,050
157027 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	1/27/2014	1.0	\$ 4.0600	\$ 40,600
158590 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	2/10/2014	1.0	\$ 4.0320	\$ 40,320
161641 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	3/11/2014	1.0	\$ 4.0900	\$ 40,900
166351 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	4/24/2014	1.0	\$ 4.2250	\$ 42,250
166352 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	4/24/2014	0.1	\$ 4.2250	\$ 4,225
168055 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	5/7/2014	1.0	\$ 4.2400	\$ 42,400
170761 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	6/10/2014	1.0	\$ 4.1450	\$ 41,450
172514 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	7/1/2014	1.0	\$ 4.1210	\$ 41,210
174877 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	7/28/2014	5.0	\$ 3.8400	\$ 192,000
176651 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	8/13/2014	1.0	\$ 3.9100	\$ 39,100
178226 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	9/2/2014	1.0	\$ 3.8750	\$ 38,750
178227 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	9/2/2014	2.0	\$ 3.8750	\$ 77,500
180728 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	10/1/2014	1.0	\$ 3.8760	\$ 38,760
186219 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	11/13/2014	6.0	\$ 3.8000	\$ 228,000
188326 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	12/2/2014	6.0	\$ 3.6300	\$ 217,800
191461 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	1/5/2015	6.0	\$ 3.0150	\$ 180,900
191506 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	1/6/2015	3.0	\$ 2.9650	\$ 88,950
193265 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	1/29/2015	5.0	\$ 2.9600	\$ 148,000
193770 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	2/5/2015	6.0	\$ 2.8200	\$ 169,200
193771 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	2/5/2015	1.0	\$ 2.8200	\$ 28,200
196456 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	3/9/2015	6.0	\$ 2.8750	\$ 172,500
196458 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	3/9/2015	4.0	\$ 2.8750	\$ 115,000
197943 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	3/23/2015	5.0	\$ 2.8900	\$ 144,500
199600 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	4/8/2015	6.0	\$ 2.7950	\$ 167,700
199610 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	4/8/2015	1.0	\$ 2.7950	\$ 27,950
199739 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	4/9/2015	4.0	\$ 2.7300	\$ 109,200
202183 NG OTC Swap		HENRY HUB	Oct-15	MANDATORY	5/7/2015	6.0	\$ 2.9009	\$ 174,054
202184 NG OTC Swap		HENRY HUB	Oct-15	DISCRETIONARY	5/7/2015	7.0	\$ 2.9009	\$ 203,063
215018 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	9/28/2015	-4.0	\$ -	\$ -
215019 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	9/28/2015	-5.0	\$ -	\$ -
215020 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-4.0	\$ -	\$ -
215021 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-4.0	\$ -	\$ -
215022 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-4.0	\$ -	\$ -
215023 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-5.0	\$ -	\$ -
215025 NG Future		HENRY HUB	Oct-15	MANDATORY	9/28/2015	-6.0	\$ -	\$ -
215026 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-10.0	\$ -	\$ -
215027 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-7.0	\$ -	\$ -
215028 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215029 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215030 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215031 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215032 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215033 NG Future		HENRY HUB	Oct-15	ACCELERATED	9/28/2015	-3.0	\$ -	\$ -
215034 NG Future		HENRY HUB	Oct-15	MANDATORY	9/28/2015	-1.0	\$ -	\$ -
215035 NG Future		HENRY HUB	Oct-15	DISCRETIONARY	9/28/2015	-3.0	\$ -	\$ -
Please note th: NG Future				Oct-15 DISCRETIONARY	9/28/2015	-2.0	\$ -	\$ -

151.1 \$ 5,369,532

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
148947 NG Future	HENRY HUB	Nov-15	MANDATORY	11/1/2013	7.0	\$ 3.9500	\$ 276,500	
148949 NG Future	HENRY HUB	Nov-15	ACCELERATED	11/1/2013	21.0	\$ 3.9500	\$ 829,500	
149880 NG Future	HENRY HUB	Nov-15	ACCELERATED	11/7/2013	20.0	\$ 3.9500	\$ 790,000	
150881 NG Future	HENRY HUB	Nov-15	ACCELERATED	11/14/2013	21.0	\$ 3.9500	\$ 829,500	
150882 NG Future	HENRY HUB	Nov-15	DISCRETIONARY	11/14/2013	1.0	\$ 3.9500	\$ 39,500	
153927 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	12/19/2013	4.0	\$ 4.1500	\$ 166,000	
157028 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	1/27/2014	4.0	\$ 4.1050	\$ 164,200	
158599 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	2/10/2014	4.0	\$ 4.0730	\$ 162,920	
161638 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	3/11/2014	4.0	\$ 4.1300	\$ 165,200	
166354 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	4/24/2014	4.0	\$ 4.2750	\$ 171,000	
166355 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	4/24/2014	0.1	\$ 4.2750	\$ 4,275	
168056 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	5/7/2014	3.0	\$ 4.2800	\$ 128,400	
168057 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	5/7/2014	0.1	\$ 4.2800	\$ 4,280	
171102 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	6/16/2014	3.0	\$ 4.2770	\$ 128,310	
173167 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	7/8/2014	3.0	\$ 4.0800	\$ 122,400	
176662 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	8/13/2014	3.0	\$ 3.9850	\$ 119,550	
176663 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	8/13/2014	1.0	\$ 3.9850	\$ 39,850	
178399 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	9/3/2014	3.0	\$ 3.9600	\$ 118,800	
178400 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	9/3/2014	1.0	\$ 3.9600	\$ 39,600	
181283 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	10/8/2014	3.0	\$ 3.9200	\$ 117,600	
181284 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	10/8/2014	1.0	\$ 3.9200	\$ 39,200	
186415 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	11/13/2014	6.0	\$ 3.8350	\$ 230,100	
186417 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	11/13/2014	1.0	\$ 3.8350	\$ 38,350	
188413 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	12/3/2014	6.0	\$ 3.6560	\$ 219,360	
188414 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	12/3/2014	1.0	\$ 3.6560	\$ 36,560	
190584 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	12/22/2014	1.0	\$ 3.3500	\$ 33,500	
191462 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	1/5/2015	6.0	\$ 3.1300	\$ 187,800	
191463 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	1/5/2015	1.0	\$ 3.1300	\$ 31,300	
193773 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	2/5/2015	6.0	\$ 2.9300	\$ 175,800	
196462 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	3/9/2015	1.0	\$ 2.9900	\$ 29,900	
196569 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	3/9/2015	7.0	\$ 2.9900	\$ 209,300	
197946 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	3/23/2015	5.0	\$ 2.9950	\$ 149,750	
199602 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	4/8/2015	6.0	\$ 2.9100	\$ 174,600	
199611 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	4/8/2015	1.0	\$ 2.9100	\$ 29,100	
199741 NG Future	HENRY HUB	Nov-15	DISCRETIONARY	4/9/2015	4.0	\$ 2.8450	\$ 113,800	
201128 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	4/27/2015	3.0	\$ 2.7860	\$ 83,580	
202185 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	5/7/2015	6.0	\$ 3.0100	\$ 180,600	
202186 NG OTC Swap	HENRY HUB	Nov-15	DISCRETIONARY	5/7/2015	6.0	\$ 3.0100	\$ 180,600	
205179 NG OTC Swap	HENRY HUB	Nov-15	MANDATORY	6/11/2015	6.0	\$ 3.0630	\$ 183,780	
208289 NG Basis Swap	S. POINT	Nov-15	MANDATORY	7/17/2015	10.0	\$ (0.9650)	\$ -	
208491 NG Basis Swap	S. POINT	Nov-15	MANDATORY	7/20/2015	10.0	\$ (0.9950)	\$ -	
209011 NG Basis Swap	S. POINT	Nov-15	MANDATORY	7/24/2015	8.0	\$ (0.9550)	\$ -	
213728 NG Basis Swap	S. POINT	Nov-15	MANDATORY	9/14/2015	10.0	\$ (0.9050)	\$ -	
214261 NG Basis Swap	S. POINT	Nov-15	MANDATORY	9/18/2015	10.0	\$ (0.8950)	\$ -	
214894 NG Basis Swap	S. POINT	Nov-15	MANDATORY	9/25/2015	7.0	\$ (0.8550)	\$ -	
215046 NG Basis Swap	S. POINT	Nov-15	MANDATORY	9/29/2015	12.0	\$ (1.1000)	\$ -	
215450 NG Basis Swap	TETCO M2	Nov-15	MANDATORY	10/2/2015	12.0	\$ (0.9775)	\$ -	
215956 NG Basis Swap	TETCO M2	Nov-15	MANDATORY	10/8/2015	15.0	\$ (1.0725)	\$ -	
217888 NG Future	HENRY HUB	Nov-15	DISCRETIONARY	10/28/2015	-4.0	\$ -	\$ -	
217889 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-7.0	\$ -	\$ -	
217890 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-1.0	\$ -	\$ -	
217891 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-2.0	\$ -	\$ -	
Please note th NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-2.0	\$ -	\$ -	
217894 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-8.0	\$ -	\$ -	
217895 NG Future	HENRY HUB	Nov-15	DISCRETIONARY	10/28/2015	-1.0	\$ -	\$ -	
217896 NG Future	HENRY HUB	Nov-15	MANDATORY	10/28/2015	-5.0	\$ -	\$ -	
217897 NG Future	HENRY HUB	Nov-15	MANDATORY	10/28/2015	-2.0	\$ -	\$ -	
217898 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-11.0	\$ -	\$ -	
217901 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-3.0	\$ -	\$ -	
217902 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-3.0	\$ -	\$ -	
217903 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-3.0	\$ -	\$ -	
217904 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-1.0	\$ -	\$ -	
217905 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-2.0	\$ -	\$ -	
217906 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-6.0	\$ -	\$ -	
217907 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-4.0	\$ -	\$ -	
217908 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-5.0	\$ -	\$ -	
217909 NG Future	HENRY HUB	Nov-15	ACCELERATED	10/28/2015	-4.0	\$ -	\$ -	

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
152462 NG Future	HENRY HUB		Dec-15	MANDATORY	12/5/2013	15.0	\$ 4.2500	\$ 637,500
152463 NG Future	HENRY HUB		Dec-15	ACCELERATED	12/5/2013	15.0	\$ 4.2500	\$ 637,500
152487 NG Future	HENRY HUB		Dec-15	ACCELERATED	12/5/2013	31.0	\$ 4.2900	\$ 1,329,900
153363 NG Future	HENRY HUB		Dec-15	ACCELERATED	12/13/2013	45.0	\$ 4.2550	\$ 1,914,750
153934 NG Future	HENRY HUB		Dec-15	ACCELERATED	12/19/2013	45.0	\$ 4.2550	\$ 1,914,750
153936 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	12/19/2013	1.0	\$ 4.2550	\$ 42,550
157028 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	1/27/2014	8.0	\$ 4.2300	\$ 338,400
158599 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	2/10/2014	8.0	\$ 4.2350	\$ 338,800
161638 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	3/11/2014	8.0	\$ 4.3000	\$ 344,000
166354 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	4/24/2014	8.0	\$ 4.3950	\$ 351,600
166355 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	4/24/2014	0.2	\$ 4.3950	\$ 8,790
168056 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	5/7/2014	8.0	\$ 4.4400	\$ 355,200
168057 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	5/7/2014	0.2	\$ 4.4400	\$ 8,880
168380 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	5/12/2014	15.0	\$ 4.2950	\$ 644,250
171102 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	6/16/2014	7.0	\$ 4.4200	\$ 309,400
173167 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	7/8/2014	8.0	\$ 4.2400	\$ 339,200
173173 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	7/8/2014	3.0	\$ 4.2400	\$ 127,200
176662 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	8/13/2014	7.0	\$ 4.1300	\$ 289,100
176663 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	8/13/2014	2.0	\$ 4.1300	\$ 82,600
178399 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	9/3/2014	7.0	\$ 4.1100	\$ 287,700
178400 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	9/3/2014	2.0	\$ 4.1100	\$ 82,200
181283 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	10/8/2014	7.0	\$ 4.0650	\$ 284,550
181284 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	10/8/2014	2.0	\$ 4.0650	\$ 81,300
186415 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	11/13/2014	2.0	\$ 4.0050	\$ 80,100
188413 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	12/3/2014	2.0	\$ 3.8430	\$ 76,860
191462 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	1/5/2015	2.0	\$ 3.3250	\$ 66,500
193266 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	1/29/2015	5.0	\$ 3.1950	\$ 159,750
193773 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	2/5/2015	2.0	\$ 3.1200	\$ 62,400
196462 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	3/9/2015	1.0	\$ 3.1400	\$ 31,400
196569 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	3/9/2015	2.0	\$ 3.1400	\$ 62,800
197946 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	3/23/2015	6.0	\$ 3.1500	\$ 189,000
199602 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	4/8/2015	2.0	\$ 3.0800	\$ 61,600
199611 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	4/8/2015	1.0	\$ 3.0800	\$ 30,800
199742 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	4/9/2015	4.0	\$ 3.0160	\$ 120,640
201128 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	4/27/2015	3.0	\$ 2.9700	\$ 89,100
202185 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	5/7/2015	2.0	\$ 3.1800	\$ 63,600
202186 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	5/7/2015	1.0	\$ 3.1800	\$ 31,800
205179 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	6/11/2015	2.0	\$ 3.2390	\$ 64,780
206233 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	6/24/2015	3.0	\$ 3.1360	\$ 94,080
207522 NG OTC Swap	HENRY HUB		Dec-15	MANDATORY	7/9/2015	1.0	\$ 3.0400	\$ 30,400
207523 NG OTC Swap	HENRY HUB		Dec-15	DISCRETIONARY	7/9/2015	2.0	\$ 3.0400	\$ 60,800
208289 NG Basis Swap	S. POINT		Dec-15	MANDATORY	7/17/2015	15.0	\$ (0.9650)	\$ -
208491 NG Basis Swap	S. POINT		Dec-15	MANDATORY	7/20/2015	10.0	\$ (0.9950)	\$ -
209011 NG Basis Swap	S. POINT		Dec-15	MANDATORY	7/24/2015	14.0	\$ (0.9550)	\$ -
213728 NG Basis Swap	S. POINT		Dec-15	MANDATORY	9/14/2015	10.0	\$ (0.9050)	\$ -
214261 NG Basis Swap	S. POINT		Dec-15	MANDATORY	9/18/2015	10.0	\$ (0.8950)	\$ -
214894 NG Basis Swap	S. POINT		Dec-15	MANDATORY	9/25/2015	8.0	\$ (0.8550)	\$ -
215048 NG Basis Swap	S. POINT		Dec-15	MANDATORY	9/29/2015	12.0	\$ (0.8400)	\$ -
Please note th: NG Basis Swap	TETCO M2		Dec-15	MANDATORY	10/2/2015	12.0	\$ (0.7500)	\$ -
218020 NG Basis Swap	TETCO M2		Dec-15	MANDATORY	10/29/2015	20.0	\$ (0.5300)	\$ -
220346 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	11/25/2015	-4.0	\$ -	\$ -
220347 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	11/25/2015	-5.0	\$ -	\$ -
220348 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	11/25/2015	-5.0	\$ -	\$ -
220349 NG Future	HENRY HUB		Dec-15	DISCRETIONARY	11/25/2015	-5.0	\$ -	\$ -
220350 NG Future	HENRY HUB		Dec-15	ACCELERATED	11/25/2015	-24.0	\$ -	\$ -
220351 NG Future	HENRY HUB		Dec-15	ACCELERATED	11/25/2015	-1.0	\$ -	\$ -
220352 NG Future	HENRY HUB		Dec-15	ACCELERATED	11/25/2015	-1.0	\$ -	\$ -
220353 NG Future	HENRY HUB		Dec-15	ACCELERATED	11/25/2015	-7.0	\$ -	\$ -
							295.4	\$ 12,126,530

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
154983 NG Future	HENRY HUB		Jan-16	MANDATORY	1/2/2014	13.0	\$ 4.3500	\$ 565,500
154984 NG Future	HENRY HUB		Jan-16	ACCELERATED	1/2/2014	41.0	\$ 4.3500	\$ 1,783,500
155670 NG Future	HENRY HUB		Jan-16	ACCELERATED	1/9/2014	40.0	\$ 4.2650	\$ 1,706,000
156365 NG Future	HENRY HUB		Jan-16	ACCELERATED	1/17/2014	41.0	\$ 4.2950	\$ 1,760,950
156366 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	1/17/2014	1.0	\$ 4.2950	\$ 42,950
158599 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	2/10/2014	7.0	\$ 4.3750	\$ 306,250
161638 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	3/11/2014	7.0	\$ 4.4500	\$ 311,500
166354 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	4/24/2014	7.0	\$ 4.5200	\$ 316,400
166355 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	4/24/2014	0.1	\$ 4.5200	\$ 4,520
168056 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	5/7/2014	7.0	\$ 4.5690	\$ 319,830
168057 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	5/7/2014	0.1	\$ 4.5690	\$ 4,569
171102 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	6/16/2014	6.0	\$ 4.5300	\$ 271,800
173167 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	7/8/2014	7.0	\$ 4.3650	\$ 305,550
176662 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	8/13/2014	7.0	\$ 4.2500	\$ 297,500
176663 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	8/13/2014	1.0	\$ 4.2500	\$ 42,500
178399 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	9/3/2014	6.0	\$ 4.2230	\$ 253,380
178400 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	9/3/2014	1.0	\$ 4.2230	\$ 42,230
181283 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	10/8/2014	6.0	\$ 4.1766	\$ 250,596
181284 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	10/8/2014	2.0	\$ 4.1766	\$ 83,532
186415 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	11/13/2014	7.0	\$ 4.1330	\$ 289,310
186417 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	11/13/2014	2.0	\$ 4.1330	\$ 82,660
188413 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	12/3/2014	7.0	\$ 4.0070	\$ 280,490
188414 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	12/3/2014	1.0	\$ 4.0070	\$ 40,070
190584 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	12/22/2014	3.0	\$ 3.7000	\$ 111,000
191462 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	1/5/2015	6.0	\$ 3.4750	\$ 208,500
191463 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	1/5/2015	1.0	\$ 3.4750	\$ 34,750
193773 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	2/5/2015	6.0	\$ 3.2500	\$ 195,000
196462 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	3/9/2015	1.0	\$ 3.2650	\$ 32,650
196569 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	3/9/2015	7.0	\$ 3.2650	\$ 228,550
197946 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	3/23/2015	2.0	\$ 3.2650	\$ 65,300
199602 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	4/8/2015	6.0	\$ 3.1800	\$ 190,800
199611 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	4/8/2015	1.0	\$ 3.1800	\$ 31,800
199743 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	4/9/2015	4.0	\$ 3.1240	\$ 124,960
201128 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	4/27/2015	3.0	\$ 3.0780	\$ 92,340
202185 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	5/7/2015	7.0	\$ 3.2900	\$ 230,300
202186 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	5/7/2015	3.0	\$ 3.2900	\$ 98,700
204092 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	5/28/2015	6.0	\$ 3.2100	\$ 192,600
205179 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	6/11/2015	6.0	\$ 3.3380	\$ 200,280
206233 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	6/24/2015	3.0	\$ 3.2500	\$ 97,500
207522 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	7/9/2015	6.0	\$ 3.1600	\$ 189,600
207523 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	7/9/2015	3.0	\$ 3.1600	\$ 94,800
208289 NG Basis Swap	S. POINT		Jan-16	MANDATORY	7/17/2015	15.0	\$ (0.9650)	\$ -
208491 NG Basis Swap	S. POINT		Jan-16	MANDATORY	7/20/2015	10.0	\$ (0.9950)	\$ -
209011 NG Basis Swap	S. POINT		Jan-16	MANDATORY	7/24/2015	15.0	\$ (0.9550)	\$ -
209613 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	7/30/2015	5.0	\$ 3.2130	\$ 160,650
210622 NG OTC Swap	HENRY HUB		Jan-16	MANDATORY	8/11/2015	6.0	\$ 3.2070	\$ 192,420
210623 NG OTC Swap	HENRY HUB		Jan-16	DISCRETIONARY	8/11/2015	4.0	\$ 3.2070	\$ 128,280
213728 NG Basis Swap	S. POINT		Jan-16	MANDATORY	9/14/2015	10.0	\$ (0.9050)	\$ -
214261 NG Basis Swap	S. POINT		Jan-16	MANDATORY	9/18/2015	10.0	\$ (0.8950)	\$ -
214894 NG Basis Swap	S. POINT		Jan-16	MANDATORY	9/25/2015	15.0	\$ (0.8550)	\$ -
218020 NG Basis Swap	TETCO M2		Jan-16	MANDATORY	10/29/2015	15.0	\$ (0.5300)	\$ -
Please note thi: NG Basis Swap	TETCO M2		Jan-16	MANDATORY	11/13/2015	24.0	\$ (0.5050)	\$ -
223060 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-7.0	\$ -	\$ -
223061 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-3.0	\$ -	\$ -
223063 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-6.0	\$ -	\$ -
223065 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-5.0	\$ -	\$ -
223066 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-8.0	\$ -	\$ -
223067 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-7.0	\$ -	\$ -
223069 NG Future	HENRY HUB		Jan-16	ACCELERATED	12/29/2015	-5.0	\$ -	\$ -
223070 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	12/29/2015	-2.0	\$ -	\$ -
223071 NG Future	HENRY HUB		Jan-16	DISCRETIONARY	12/29/2015	-9.0	\$ -	\$ -
						306.2		\$ 12,262,367

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
158248 NG Future		HENRY HUB	Feb-16	ACCELERATED	2/7/2014	42.0	\$ 4.3550	\$ 1,829,100
158250 NG Future		HENRY HUB	Feb-16	MANDATORY	2/7/2014	13.0	\$ 4.3550	\$ 566,150
159170 NG Future		HENRY HUB	Feb-16	ACCELERATED	2/14/2014	42.0	\$ 4.3550	\$ 1,829,100
159734 NG Future		HENRY HUB	Feb-16	ACCELERATED	2/24/2014	42.0	\$ 4.3500	\$ 1,827,000
159735 NG Future		HENRY HUB	Feb-16	DISCRETIONARY	2/24/2014	1.0	\$ 4.3500	\$ 43,500
161638 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	3/11/2014	7.0	\$ 4.4300	\$ 310,100
166354 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	4/24/2014	7.0	\$ 4.5050	\$ 315,350
166355 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	4/24/2014	0.2	\$ 4.5050	\$ 9,010
168056 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	5/7/2014	7.0	\$ 4.5410	\$ 317,870
168057 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	5/7/2014	0.2	\$ 4.5410	\$ 9,082
171102 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	6/16/2014	6.0	\$ 4.5100	\$ 270,600
173167 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	7/8/2014	7.0	\$ 4.3400	\$ 303,800
173173 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	7/8/2014	0.5	\$ 4.3400	\$ 21,700
176662 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	8/13/2014	7.0	\$ 4.2200	\$ 295,400
176663 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	8/13/2014	1.0	\$ 4.2200	\$ 42,200
178399 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	9/3/2014	7.0	\$ 4.2000	\$ 294,000
178400 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	9/3/2014	1.0	\$ 4.2000	\$ 42,000
181283 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	10/8/2014	6.0	\$ 4.1550	\$ 249,300
181284 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	10/8/2014	3.0	\$ 4.1550	\$ 124,650
186415 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	11/13/2014	5.0	\$ 4.0940	\$ 204,700
186417 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	11/13/2014	2.0	\$ 4.0940	\$ 81,880
188413 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	12/3/2014	5.0	\$ 3.9840	\$ 199,200
188414 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	12/3/2014	1.0	\$ 3.9840	\$ 39,840
190584 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	12/22/2014	2.0	\$ 3.7000	\$ 74,000
191462 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	1/5/2015	5.0	\$ 3.4750	\$ 173,750
191463 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	1/5/2015	1.0	\$ 3.4750	\$ 34,750
193773 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	2/5/2015	5.0	\$ 3.2400	\$ 162,000
196462 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	3/9/2015	1.0	\$ 3.2500	\$ 32,500
196569 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	3/9/2015	5.0	\$ 3.2500	\$ 162,500
197946 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	3/23/2015	2.0	\$ 3.2500	\$ 65,000
199602 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	4/8/2015	5.0	\$ 3.1750	\$ 158,750
199611 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	4/8/2015	1.0	\$ 3.1750	\$ 31,750
199750 NG Future		HENRY HUB	Feb-16	DISCRETIONARY	4/9/2015	2.0	\$ 3.1200	\$ 62,400
201128 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	4/27/2015	3.0	\$ 3.0740	\$ 92,220
202185 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	5/7/2015	5.0	\$ 3.2800	\$ 164,000
202186 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	5/7/2015	2.0	\$ 3.2800	\$ 65,600
204083 NG Future		HENRY HUB	Feb-16	DISCRETIONARY	5/28/2015	6.0	\$ 3.2200	\$ 193,200
205179 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	6/11/2015	5.0	\$ 3.3310	\$ 166,550
206233 NG Future		HENRY HUB	Feb-16	DISCRETIONARY	6/24/2015	3.0	\$ 3.2480	\$ 97,440
207522 NG OTC Swap		HENRY HUB	Feb-16	MANDATORY	7/9/2015	4.0	\$ 3.1600	\$ 126,400
207523 NG OTC Swap		HENRY HUB	Feb-16	DISCRETIONARY	7/9/2015	4.0	\$ 3.1600	\$ 126,400
208289 NG Basis Swap	S. POINT		Feb-16	MANDATORY	7/17/2015	15.0	\$ (0.9650)	\$ -
208491 NG Basis Swap	S. POINT		Feb-16	MANDATORY	7/20/2015	10.0	\$ (0.9950)	\$ -
209011 NG Basis Swap	S. POINT		Feb-16	MANDATORY	7/24/2015	14.0	\$ (0.9550)	\$ -
209613 NG Future	HENRY HUB		Feb-16	DISCRETIONARY	7/30/2015	3.0	\$ 3.2050	\$ 96,150
210622 NG OTC Swap	HENRY HUB		Feb-16	MANDATORY	8/11/2015	5.0	\$ 3.2000	\$ 160,000
210623 NG OTC Swap	HENRY HUB		Feb-16	DISCRETIONARY	8/11/2015	3.0	\$ 3.2000	\$ 96,000
213193 NG OTC Swap	HENRY HUB		Feb-16	MANDATORY	9/4/2015	4.0	\$ 3.0900	\$ 123,600
213195 NG OTC Swap	HENRY HUB		Feb-16	DISCRETIONARY	9/4/2015	3.0	\$ 3.0900	\$ 92,700
213728 NG Basis Swap	S. POINT		Feb-16	MANDATORY	9/14/2015	10.0	\$ (0.9050)	\$ -
214261 NG Basis Swap	S. POINT		Feb-16	MANDATORY	9/18/2015	10.0	\$ (0.8950)	\$ -
214894 NG Basis Swap	S. POINT		Feb-16	MANDATORY	9/25/2015	8.0	\$ (0.8550)	\$ -
Please note th NG Future	HENRY HUB		Feb-16	DISCRETIONARY	9/30/2015	5.0	\$ 2.8760	\$ 143,800
218020 NG Basis Swap	TETCO M2		Feb-16	MANDATORY	10/29/2015	10.0	\$ (0.5300)	\$ -
219246 NG Basis Swap	TETCO M2		Feb-16	MANDATORY	11/13/2015	14.0	\$ (0.5050)	\$ -
221059 NG Basis Swap	TETCO M2		Feb-16	MANDATORY	12/4/2015	14.0	\$ (0.5800)	\$ -
225107 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-11.0	\$ -	\$ -
225108 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-10.0	\$ -	\$ -
225109 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-11.0	\$ -	\$ -
225110 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-10.0	\$ -	\$ -
225111 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-15.0	\$ -	\$ -
225112 NG Future	HENRY HUB		Feb-16	ACCELERATED	1/27/2016	-14.0	\$ -	\$ -
						296.9	\$ 11,926,992	



Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
216393 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	10/13/2015	2.0	\$ 2.8740	\$ 57,480	
216391 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	10/13/2015	2.0	\$ 2.8740	\$ 57,480	
213195 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	9/4/2015	2.0	\$ 2.8740	\$ 59,200	
213193 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	9/4/2015	2.0	\$ 2.8740	\$ 59,200	
210623 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	8/11/2015	2.0	\$ 2.8740	\$ 63,040	
210622 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	8/11/2015	3.0	\$ 2.8740	\$ 94,560	
207523 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	7/9/2015	1.0	\$ 2.8740	\$ 31,200	
207522 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	7/9/2015	2.0	\$ 2.8740	\$ 62,400	
205179 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	6/11/2015	2.0	\$ 2.8740	\$ 65,840	
202186 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	5/7/2015	1.0	\$ 2.8740	\$ 32,300	
202185 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	5/7/2015	2.0	\$ 2.8740	\$ 64,600	
201128 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	4/27/2015	3.0	\$ 2.8740	\$ 90,885	
199602 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	4/8/2015	2.0	\$ 2.8740	\$ 62,600	
197946 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	3/23/2015	1.0	\$ 2.8740	\$ 31,900	
196569 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	3/9/2015	2.0	\$ 2.8740	\$ 64,000	
193774 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	2/5/2015	1.0	\$ 2.8740	\$ 32,080	
193773 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	2/5/2015	2.0	\$ 2.8740	\$ 64,160	
191462 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	1/5/2015	2.0	\$ 2.8740	\$ 68,600	
190584 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	12/22/2014	1.0	\$ 2.8740	\$ 36,570	
188413 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	12/3/2014	3.0	\$ 2.8740	\$ 117,660	
186415 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	11/13/2014	3.0	\$ 2.8740	\$ 120,600	
181284 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	10/8/2014	1.0	\$ 2.8740	\$ 41,000	
181283 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	10/8/2014	6.0	\$ 2.8740	\$ 246,000	
178400 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	9/3/2014	1.0	\$ 2.8740	\$ 41,300	
178399 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	9/3/2014	6.0	\$ 2.8740	\$ 247,800	
176663 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	8/13/2014	1.0	\$ 2.8740	\$ 41,570	
176662 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	8/13/2014	7.0	\$ 2.8740	\$ 290,990	
173173 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	7/8/2014	1.0	\$ 2.8740	\$ 42,800	
173167 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	7/8/2014	6.0	\$ 2.8740	\$ 256,800	
171102 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	6/16/2014	6.0	\$ 2.8740	\$ 267,000	
168057 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	5/7/2014	0.7	\$ 2.8740	\$ 31,360	
168056 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	5/7/2014	6.0	\$ 2.8740	\$ 268,800	
166355 NG OTC Swap	HENRY HUB	Mar-16	DISCRETIONARY	4/24/2014	0.7	\$ 2.8740	\$ 31,115	
166354 NG OTC Swap	HENRY HUB	Mar-16	MANDATORY	4/24/2014	7.0	\$ 2.8740	\$ 311,150	
227355 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-4.0	\$ 2.8740	\$ -	
227354 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-2.0	\$ 2.8740	\$ -	
227353 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-1.0	\$ 2.8740	\$ -	
227352 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-12.0	\$ 2.8740	\$ -	
227351 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-8.0	\$ 2.8740	\$ -	
227349 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-13.0	\$ 2.8740	\$ -	
227347 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-6.0	\$ 2.8740	\$ -	
227345 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-2.0	\$ 2.8740	\$ -	
227344 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-1.0	\$ 2.8740	\$ -	
227343 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-2.0	\$ 2.8740	\$ -	
227341 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-2.0	\$ 2.8740	\$ -	
227337 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-2.0	\$ 2.8740	\$ -	
227336 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-3.0	\$ 2.8740	\$ -	
227335 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-6.0	\$ 2.8740	\$ -	
227333 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-10.0	\$ 2.8740	\$ -	
Please note th	NG Future	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227330 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-10.0	\$ 2.8740	\$ -	
227329 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-1.0	\$ 2.8740	\$ -	
227327 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227326 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227324 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227323 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227322 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-7.0	\$ 2.8740	\$ -	
227321 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-1.0	\$ 2.8740	\$ -	
227320 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-6.0	\$ 2.8740	\$ -	
227318 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	2/25/2016	-3.0	\$ 2.8740	\$ -	
227317 NG Future	HENRY HUB	Mar-16	MANDATORY	2/25/2016	-13.0	\$ 2.8740	\$ -	
227316 NG Future	HENRY HUB	Mar-16	ACCELERATED	2/25/2016	-6.0	\$ 2.8740	\$ -	
215170 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	9/30/2015	5.0	\$ 2.8740	\$ 142,600	
209618 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	7/30/2015	3.0	\$ 2.8740	\$ 94,800	
206233 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	6/24/2015	3.0	\$ 2.8740	\$ 96,270	
204183 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	5/28/2015	3.0	\$ 2.8740	\$ 94,050	
204182 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	5/28/2015	3.0	\$ 2.8740	\$ 94,650	
199751 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	4/9/2015	2.0	\$ 2.8740	\$ 61,600	
168381 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	5/12/2014	2.0	\$ 2.8740	\$ 87,100	
165402 NG Future	HENRY HUB	Mar-16	DISCRETIONARY	3/26/2014	1.0	\$ 2.8740	\$ 43,380	
163325 NG Future	HENRY HUB	Mar-16	ACCELERATED	3/26/2014	1.0	\$ 2.8740	\$ 43,380	
163309 NG Future	HENRY HUB	Mar-16	ACCELERATED	3/26/2014	40.0	\$ 2.8740	\$ 1,736,000	
162441 NG Future	HENRY HUB	Mar-16	ACCELERATED	3/18/2014	40.0	\$ 2.8740	\$ 1,738,000	
160467 NG Future	HENRY HUB	Mar-16	MANDATORY	3/3/2014	13.0	\$ 2.8740	\$ 560,300	
160466 NG Future	HENRY HUB	Mar-16	ACCELERATED	3/3/2014	40.0	\$ 2.8740	\$ 1,724,000	
223569 NG Basis Swap	S. POINT	Mar-16	MANDATORY	1/6/2016	11.0	\$ 2.8740	\$ -	
221059 NG Basis Swap	TETCO M2	Mar-16	MANDATORY	12/4/2015	11.0	\$ 2.8740	\$ -	
219246 NG Basis Swap	TETCO M2	Mar-16	MANDATORY	11/13/2015	11.0	\$ 2.8740	\$ -	
218020 NG Basis Swap	TETCO M2	Mar-16	MANDATORY	10/29/2015	6.0	\$ 2.8740	\$ -	
214894 NG Basis Swap	S. POINT	Mar-16	MANDATORY	9/25/2015	10.0	\$ 2.8740	\$ -	
214261 NG Basis Swap	S. POINT	Mar-16	MANDATORY	9/18/2015	10.0	\$ 2.8740	\$ -	
213728 NG Basis Swap	S. POINT	Mar-16	MANDATORY	9/14/2015	10.0	\$ 2.8740	\$ -	
209011 NG Basis Swap	S. POINT	Mar-16	MANDATORY	7/24/2015	11.0	\$ 2.8740	\$ -	
208491 NG Basis Swap	S. POINT	Mar-16	MANDATORY	7/20/2015	10.0	\$ 2.8740	\$ -	
208289 NG Basis Swap	S. POINT	Mar-16	MANDATORY	7/17/2015	15.0	\$ 2.8740	\$ -	

246.4                   \$ 9,970,170

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
165588 NG Future	HENRY HUB		Apr-16	ACCELERATED	4/14/2014	36.0	\$ 4.1000	\$ 1,476,000
165589 NG Future	HENRY HUB		Apr-16	MANDATORY	4/14/2014	8.0	\$ 4.1000	\$ 328,000
166013 NG Future	HENRY HUB		Apr-16	ACCELERATED	4/21/2014	37.0	\$ 4.1050	\$ 1,518,850
166014 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	4/21/2014	1.0	\$ 4.1050	\$ 41,050
168059 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	5/7/2014	4.0	\$ 4.2000	\$ 168,000
168060 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	5/7/2014	0.5	\$ 4.2000	\$ 21,000
171109 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	6/16/2014	4.0	\$ 4.1800	\$ 167,200
173171 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	7/8/2014	4.0	\$ 4.0450	\$ 161,800
173174 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	7/8/2014	0.5	\$ 4.0450	\$ 20,225
176665 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	8/13/2014	4.0	\$ 3.9350	\$ 157,400
176669 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	8/13/2014	1.0	\$ 3.9350	\$ 39,350
179914 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	9/17/2014	4.0	\$ 3.9900	\$ 159,600
181299 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	10/8/2014	4.0	\$ 3.8710	\$ 154,840
181332 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.8710	\$ 38,710
187171 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	11/18/2014	3.0	\$ 3.8000	\$ 114,000
188510 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	12/4/2014	3.0	\$ 3.6800	\$ 110,400
190585 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.4900	\$ 34,900
191987 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	1/12/2015	3.0	\$ 3.2400	\$ 97,200
191988 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.2400	\$ 32,400
194546 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	2/12/2015	2.0	\$ 3.1750	\$ 63,500
195642 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.0740	\$ 30,740
196974 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	3/12/2015	3.0	\$ 3.0800	\$ 92,400
197947 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	3/23/2015	1.0	\$ 3.0600	\$ 30,600
199606 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	4/8/2015	2.0	\$ 2.9820	\$ 59,640
202481 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	5/11/2015	3.0	\$ 3.1050	\$ 93,150
202482 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	5/11/2015	3.0	\$ 3.1050	\$ 93,150
204184 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	5/28/2015	3.0	\$ 3.0000	\$ 90,000
204185 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	5/28/2015	3.0	\$ 2.9950	\$ 89,850
205193 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	6/11/2015	2.0	\$ 3.0980	\$ 61,960
206235 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	6/24/2015	3.0	\$ 3.0580	\$ 91,740
207460 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	7/9/2015	2.0	\$ 3.0000	\$ 60,000
209619 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	7/30/2015	5.0	\$ 3.0100	\$ 150,500
209976 NG Basis Swap	S. POINT		Apr-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	8/11/2015	3.0	\$ 2.9820	\$ 89,460
210626 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	8/11/2015	2.0	\$ 2.9820	\$ 59,640
213194 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	9/4/2015	2.0	\$ 2.8400	\$ 56,800
213196 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	9/4/2015	2.0	\$ 2.8400	\$ 56,800
214750 NG Basis Swap	S. POINT		Apr-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
215175 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	9/30/2015	5.0	\$ 2.7220	\$ 136,100
216377 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	10/13/2015	2.0	\$ 2.7463	\$ 54,926
216384 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	10/13/2015	3.0	\$ 2.7463	\$ 82,389
218021 NG Basis Swap	TETCO M2		Apr-16	MANDATORY	10/29/2015	5.0	\$ (0.9400)	\$ -
218061 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	10/30/2015	10.0	\$ 2.3930	\$ 239,300
219682 NG OTC Swap	HENRY HUB		Apr-16	MANDATORY	11/19/2015	29.0	\$ 2.5000	\$ 725,000
219683 NG OTC Swap	HENRY HUB		Apr-16	DISCRETIONARY	11/19/2015	10.0	\$ 2.5000	\$ 250,000
220021 NG Basis Swap	TETCO M2		Apr-16	MANDATORY	11/23/2015	12.0	\$ (0.8400)	\$ -
221823 NG Basis Swap	TETCO M2		Apr-16	MANDATORY	12/14/2015	12.0	\$ (0.8575)	\$ -
223724 NG Basis Swap	TETCO M2		Apr-16	MANDATORY	1/7/2016	12.0	\$ (1.0350)	\$ -
226205 NG Basis Swap	TETCO M2		Apr-16	MANDATORY	2/10/2016	12.0	\$ (0.9025)	\$ -
230148 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-19.0	\$ -	\$ -
230149 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-5.0	\$ -	\$ -
230150 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-5.0	\$ -	\$ -
Please note th1 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-5.0	\$ -	\$ -
230154 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-3.0	\$ -	\$ -
230155 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	3/29/2016	-3.0	\$ -	\$ -
230156 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	3/29/2016	-5.0	\$ -	\$ -
230157 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	3/29/2016	-2.0	\$ -	\$ -
230158 NG Future	HENRY HUB		Apr-16	DISCRETIONARY	3/29/2016	-2.0	\$ -	\$ -
230159 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-5.0	\$ -	\$ -
230160 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-4.0	\$ -	\$ -
230161 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-4.0	\$ -	\$ -
230162 NG Future	HENRY HUB		Apr-16	ACCELERATED	3/29/2016	-4.0	\$ -	\$ -

221.0 \$ 7,598,570

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
167264 NG Future	HENRY HUB		May-16	ACCELERATED	5/1/2014	51.0	\$ 4.2050	\$ 2,144,550
167265 NG Future	HENRY HUB		May-16	MANDATORY	5/1/2014	6.0	\$ 4.2050	\$ 252,300
168382 NG Future	HENRY HUB		May-16	DISCRETIONARY	5/12/2014	2.0	\$ 4.0900	\$ 81,800
171109 NG OTC Swap	HENRY HUB		May-16	MANDATORY	6/16/2014	3.0	\$ 4.1900	\$ 125,700
173171 NG OTC Swap	HENRY HUB		May-16	MANDATORY	7/8/2014	3.0	\$ 4.0550	\$ 121,650
176665 NG OTC Swap	HENRY HUB		May-16	MANDATORY	8/13/2014	3.0	\$ 3.9400	\$ 118,200
176669 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	8/13/2014	1.0	\$ 3.9400	\$ 39,400
179914 NG OTC Swap	HENRY HUB		May-16	MANDATORY	9/17/2014	3.0	\$ 3.9900	\$ 119,700
181299 NG OTC Swap	HENRY HUB		May-16	MANDATORY	10/8/2014	3.0	\$ 3.8690	\$ 116,070
181332 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.8690	\$ 38,690
187171 NG OTC Swap	HENRY HUB		May-16	MANDATORY	11/18/2014	4.0	\$ 3.7900	\$ 151,600
188510 NG OTC Swap	HENRY HUB		May-16	MANDATORY	12/4/2014	4.0	\$ 3.6800	\$ 147,200
190585 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.4950	\$ 34,950
191987 NG OTC Swap	HENRY HUB		May-16	MANDATORY	1/12/2015	4.0	\$ 3.2500	\$ 130,000
191988 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.2500	\$ 32,500
194546 NG OTC Swap	HENRY HUB		May-16	MANDATORY	2/12/2015	4.0	\$ 3.1430	\$ 125,720
195642 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.0890	\$ 30,890
196974 NG OTC Swap	HENRY HUB		May-16	MANDATORY	3/12/2015	4.0	\$ 3.0900	\$ 123,600
197947 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	3/23/2015	1.0	\$ 3.0700	\$ 30,700
199606 NG OTC Swap	HENRY HUB		May-16	MANDATORY	4/8/2015	4.0	\$ 3.0000	\$ 120,000
202481 NG OTC Swap	HENRY HUB		May-16	MANDATORY	5/11/2015	4.0	\$ 3.1050	\$ 124,200
202482 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	5/11/2015	2.0	\$ 3.1050	\$ 62,100
205193 NG OTC Swap	HENRY HUB		May-16	MANDATORY	6/11/2015	4.0	\$ 3.1020	\$ 124,080
207460 NG OTC Swap	HENRY HUB		May-16	MANDATORY	7/9/2015	4.0	\$ 3.0000	\$ 120,000
209976 NG Basis Swap	S. POINT		May-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap	HENRY HUB		May-16	MANDATORY	8/11/2015	4.0	\$ 2.9750	\$ 119,000
211389 NG Future	HENRY HUB		May-16	DISCRETIONARY	8/19/2015	1.0	\$ 2.9070	\$ 29,070
213194 NG OTC Swap	HENRY HUB		May-16	MANDATORY	9/4/2015	3.0	\$ 2.8300	\$ 84,900
214750 NG Basis Swap	S. POINT		May-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
216377 NG OTC Swap	HENRY HUB		May-16	MANDATORY	10/13/2015	3.0	\$ 2.7550	\$ 82,650
216384 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.7550	\$ 13,775
218021 NG Basis Swap	TETCO M2		May-16	MANDATORY	10/29/2015	5.0	\$ (0.9400)	\$ -
218062 NG Future	HENRY HUB		May-16	DISCRETIONARY	10/30/2015	2.0	\$ 2.4270	\$ 48,540
218063 NG Future	HENRY HUB		May-16	DISCRETIONARY	10/30/2015	3.0	\$ 2.4260	\$ 72,780
219682 NG OTC Swap	HENRY HUB		May-16	MANDATORY	11/19/2015	7.0	\$ 2.5300	\$ 177,100
219683 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.5300	\$ 25,300
220021 NG Basis Swap	TETCO M2		May-16	MANDATORY	11/23/2015	17.0	\$ (0.8400)	\$ -
220761 NG OTC Swap	HENRY HUB		May-16	MANDATORY	12/2/2015	8.0	\$ 2.3600	\$ 188,800
220763 NG OTC Swap	HENRY HUB		May-16	DISCRETIONARY	12/2/2015	2.0	\$ 2.3600	\$ 47,200
221823 NG Basis Swap	TETCO M2		May-16	MANDATORY	12/14/2015	17.0	\$ (0.8575)	\$ -
223724 NG Basis Swap	TETCO M2		May-16	MANDATORY	1/7/2016	17.0	\$ (1.0350)	\$ -
226205 NG Basis Swap	TETCO M2		May-16	MANDATORY	2/10/2016	17.0	\$ (0.9025)	\$ -
228781 NG Basis Swap	TETCO M2		May-16	MANDATORY	3/15/2016	18.0	\$ (0.8600)	\$ -
232260 NG Future	HENRY HUB		May-16	DISCRETIONARY	4/27/2016	-1.0	\$ -	\$ -
232261 NG Future	HENRY HUB		May-16	DISCRETIONARY	4/27/2016	-1.0	\$ -	\$ -
232262 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-9.0	\$ -	\$ -
232265 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	4.0	\$ -	\$ -
232266 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-3.0	\$ -	\$ -
232267 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-1.0	\$ -	\$ -
232269 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-4.0	\$ -	\$ -
Please note th1 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-1.0	\$ -	\$ -
232271 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-3.0	\$ -	\$ -
232272 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-4.0	\$ -	\$ -
232273 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-3.0	\$ -	\$ -
232274 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-2.0	\$ -	\$ -
232275 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-2.0	\$ -	\$ -
232276 NG Future	HENRY HUB		May-16	ACCELERATED	4/27/2016	-3.0	\$ -	\$ -
232277 NG Future	HENRY HUB		May-16	DISCRETIONARY	4/27/2016	-1.0	\$ -	\$ -
232278 NG Future	HENRY HUB		May-16	DISCRETIONARY	4/27/2016	-2.0	\$ -	\$ -
232279 NG Future	HENRY HUB		May-16	DISCRETIONARY	4/27/2016	-3.0	\$ -	\$ -
							152.5	\$ 5,404,715

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
170722 NG Future	HENRY HUB		Jun-16	ACCELERATED	6/10/2014	28.0	\$ 4.1740	\$ 1,168,720
170723 NG Future	HENRY HUB		Jun-16	MANDATORY	6/10/2014	3.0	\$ 4.1740	\$ 125,220
173171 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	7/8/2014	2.0	\$ 4.0900	\$ 81,800
173174 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	7/8/2014	1.0	\$ 4.0900	\$ 40,900
176665 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	8/13/2014	2.0	\$ 3.9670	\$ 79,340
176669 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	8/13/2014	1.0	\$ 3.9670	\$ 39,670
179914 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	9/17/2014	2.0	\$ 4.0020	\$ 80,040
181299 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	10/8/2014	1.0	\$ 3.8950	\$ 38,950
181332 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.8950	\$ 38,950
187171 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	11/18/2014	4.0	\$ 3.8150	\$ 152,600
188510 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	12/4/2014	4.0	\$ 3.7000	\$ 148,000
190585 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.5200	\$ 35,200
191987 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	1/12/2015	4.0	\$ 3.3000	\$ 132,000
191988 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.3000	\$ 33,000
194546 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	2/12/2015	3.0	\$ 3.1750	\$ 95,250
195642 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.1170	\$ 31,170
196974 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	3/12/2015	4.0	\$ 3.1300	\$ 125,200
199606 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	4/8/2015	3.0	\$ 3.0300	\$ 90,900
199612 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	4/8/2015	1.0	\$ 3.0300	\$ 30,300
202481 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	5/11/2015	3.0	\$ 3.1300	\$ 93,900
202482 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	5/11/2015	1.0	\$ 3.1300	\$ 31,300
205193 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	6/11/2015	3.0	\$ 3.1200	\$ 93,600
207460 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	7/9/2015	3.0	\$ 3.0300	\$ 90,900
209976 NG Basis Swap	S. POINT		Jun-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	8/11/2015	3.0	\$ 3.0010	\$ 90,030
211390 NG Future	HENRY HUB		Jun-16	DISCRETIONARY	8/19/2015	1.0	\$ 2.9400	\$ 29,400
213194 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	9/4/2015	3.0	\$ 2.8700	\$ 86,100
214750 NG Basis Swap	S. POINT		Jun-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
215175 NG Future	HENRY HUB		Jun-16	DISCRETIONARY	9/30/2015	1.0	\$ 2.7620	\$ 27,620
216377 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	10/13/2015	3.0	\$ 2.7890	\$ 83,670
216384 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.7890	\$ 13,945
218021 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	10/29/2015	2.0	\$ (0.9400)	\$ -
219682 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	11/19/2015	8.0	\$ 2.5700	\$ 205,600
219683 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.5700	\$ 25,700
220021 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	11/23/2015	7.0	\$ (0.8400)	\$ -
220761 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	12/2/2015	8.0	\$ 2.4100	\$ 192,800
220763 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	12/2/2015	2.0	\$ 2.4100	\$ 48,200
221823 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	12/14/2015	7.0	\$ (0.8575)	\$ -
222049 NG Future	HENRY HUB		Jun-16	DISCRETIONARY	12/16/2015	2.0	\$ 2.1770	\$ 43,540
223724 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	1/7/2016	7.0	\$ (1.0350)	\$ -
223936 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	1/11/2016	6.0	\$ 2.5210	\$ 151,260
223937 NG OTC Swap	HENRY HUB		Jun-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.5210	\$ 25,210
225135 NG OTC Swap	HENRY HUB		Jun-16	MANDATORY	1/27/2016	1.0	\$ 2.3430	\$ 23,430
226205 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	2/10/2016	7.0	\$ (0.9025)	\$ -
228781 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	3/15/2016	7.0	\$ (0.8600)	\$ -
230726 NG Basis Swap	TETCO M2		Jun-16	MANDATORY	4/6/2016	4.0	\$ (0.8100)	\$ -
233993 NG Future	HENRY HUB		Jun-16	MANDATORY	5/26/2016	-3.0	\$ -	\$ -
233994 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-2.0	\$ -	\$ -
233995 NG Future	HENRY HUB		Jun-16	DISCRETIONARY	5/26/2016	-2.0	\$ -	\$ -
233996 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-4.0	\$ -	\$ -
233997 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-5.0	\$ -	\$ -
Please note th:NG Future	HENRY HUB		Jun-16	DISCRETIONARY	5/26/2016	-1.0	\$ -	\$ -
233999 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-2.0	\$ -	\$ -
234000 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-1.0	\$ -	\$ -
234001 NG Future	HENRY HUB		Jun-16	DISCRETIONARY	5/26/2016	-1.0	\$ -	\$ -
234002 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-2.0	\$ -	\$ -
234003 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-3.0	\$ -	\$ -
234004 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-2.0	\$ -	\$ -
234005 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-1.0	\$ -	\$ -
234006 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-1.0	\$ -	\$ -
234007 NG Future	HENRY HUB		Jun-16	ACCELERATED	5/26/2016	-3.0	\$ -	\$ -
						117.5		\$ 3,923,415

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
172545 NG Future	HENRY HUB		Jul-16	ACCELERATED	7/1/2014	21.0	\$ 4.1850	\$ 878,850
172546 NG Future	HENRY HUB		Jul-16	MANDATORY	7/1/2014	3.0	\$ 4.1850	\$ 125,550
173202 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	7/8/2014	1.0	\$ 4.1050	\$ 41,050
176665 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	8/13/2014	2.0	\$ 4.0000	\$ 80,000
176669 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	8/13/2014	1.0	\$ 4.0000	\$ 40,000
179914 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	9/17/2014	1.0	\$ 4.0460	\$ 40,460
181299 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	10/8/2014	1.0	\$ 3.9230	\$ 39,230
181332 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.9230	\$ 39,230
187171 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	11/18/2014	5.0	\$ 3.8450	\$ 192,250
188510 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	12/4/2014	5.0	\$ 3.7300	\$ 186,500
190585 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.5600	\$ 35,600
191987 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	1/12/2015	4.0	\$ 3.3300	\$ 133,200
191988 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.3300	\$ 33,300
194546 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	2/12/2015	4.0	\$ 3.2600	\$ 130,400
195642 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.1600	\$ 31,600
196974 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	3/12/2015	4.0	\$ 3.1600	\$ 126,400
198525 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	3/27/2015	1.0	\$ 3.0820	\$ 30,820
199606 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	4/8/2015	4.0	\$ 3.0700	\$ 122,800
199612 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	4/8/2015	1.0	\$ 3.0700	\$ 30,700
202481 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	5/11/2015	4.0	\$ 3.1600	\$ 126,400
202482 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	5/11/2015	1.0	\$ 3.1600	\$ 31,600
205193 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	6/11/2015	4.0	\$ 3.1610	\$ 126,440
207460 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	7/9/2015	4.0	\$ 3.0700	\$ 122,800
209976 NG Basis Swap	S. POINT		Jul-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	8/11/2015	4.0	\$ 3.0310	\$ 121,240
211391 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	8/19/2015	1.0	\$ 2.9750	\$ 29,750
213194 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	9/4/2015	4.0	\$ 2.8970	\$ 115,880
213196 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	9/4/2015	1.0	\$ 2.8970	\$ 28,970
214750 NG Basis Swap	S. POINT		Jul-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
215175 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	9/30/2015	1.0	\$ 2.7990	\$ 27,990
216377 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	10/13/2015	4.0	\$ 2.8270	\$ 113,080
216384 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.8270	\$ 14,135
218021 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	10/29/2015	6.0	\$ (0.9400)	\$ -
219682 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	11/19/2015	2.0	\$ 2.6150	\$ 52,300
219683 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.6150	\$ 26,150
220021 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	11/23/2015	9.0	\$ (0.8400)	\$ -
220761 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	12/2/2015	2.0	\$ 2.4600	\$ 49,200
220763 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	12/2/2015	1.0	\$ 2.4600	\$ 24,600
221823 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	12/14/2015	9.0	\$ (0.8575)	\$ -
223724 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	1/7/2016	9.0	\$ (1.0350)	\$ -
223936 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	1/11/2016	2.0	\$ 2.5650	\$ 51,300
223937 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.5650	\$ 25,650
225477 NG OTC Swap	HENRY HUB		Jul-16	MANDATORY	2/1/2016	2.0	\$ 2.3800	\$ 47,600
225478 NG OTC Swap	HENRY HUB		Jul-16	DISCRETIONARY	2/1/2016	1.0	\$ 2.3800	\$ 23,800
226205 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	2/10/2016	9.0	\$ (0.9025)	\$ -
228781 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	3/15/2016	9.0	\$ (0.8600)	\$ -
230726 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	4/6/2016	6.0	\$ (0.8100)	\$ -
232731 NG Basis Swap	TETCO M2		Jul-16	MANDATORY	5/5/2016	18.0	\$ (0.8550)	\$ -
236048 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	6/28/2016	-1.0	\$ -	\$ -
236050 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-1.0	\$ -	\$ -
236051 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-4.0	\$ -	\$ -
236052 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-2.0	\$ -	\$ -
Please note th1 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	6/28/2016	-2.0	\$ -	\$ -
236055 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-4.0	\$ -	\$ -
236056 NG Future	HENRY HUB		Jul-16	DISCRETIONARY	6/28/2016	-1.0	\$ -	\$ -
236057 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-4.0	\$ -	\$ -
236058 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-2.0	\$ -	\$ -
236059 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-2.0	\$ -	\$ -
236060 NG Future	HENRY HUB		Jul-16	ACCELERATED	6/28/2016	-2.0	\$ -	\$ -
236061 NG Future	HENRY HUB		Jul-16	MANDATORY	6/28/2016	-3.0	\$ -	\$ -

102.5      \$ 3,496,825

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
176170 NG Future		HENRY HUB	Aug-16	ACCELERATED	8/7/2014	24.0	\$ 4.0300	\$ 967,200
176171 NG Future		HENRY HUB	Aug-16	MANDATORY	8/7/2014	5.0	\$ 4.0300	\$ 201,500
176713 NG Future		HENRY HUB	Aug-16	ACCELERATED	8/13/2014	23.0	\$ 3.9950	\$ 918,850
179914 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	9/17/2014	3.0	\$ 4.0500	\$ 121,500
181299 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	10/8/2014	3.0	\$ 3.9310	\$ 117,930
181332 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.9310	\$ 39,310
187171 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	11/18/2014	2.0	\$ 3.8480	\$ 76,960
188510 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	12/4/2014	2.0	\$ 3.7350	\$ 74,700
191987 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	1/12/2015	2.0	\$ 3.3400	\$ 66,800
191988 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.3400	\$ 33,400
194546 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	2/12/2015	2.0	\$ 3.2700	\$ 65,400
195642 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.1650	\$ 31,650
196974 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	3/12/2015	2.0	\$ 3.2000	\$ 64,000
199606 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	4/8/2015	2.0	\$ 3.0750	\$ 61,500
202481 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	5/11/2015	2.0	\$ 3.1700	\$ 63,400
202482 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	5/11/2015	1.0	\$ 3.1700	\$ 31,700
205193 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	6/11/2015	2.0	\$ 3.1810	\$ 63,620
207460 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	7/9/2015	2.0	\$ 3.0900	\$ 61,800
209976 NG Basis Swap		S. POINT	Aug-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	8/11/2015	2.0	\$ 3.0300	\$ 60,600
213194 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	9/4/2015	2.0	\$ 2.9150	\$ 58,300
214750 NG Basis Swap		S. POINT	Aug-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
216377 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	10/13/2015	2.0	\$ 2.8370	\$ 56,740
216384 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.8370	\$ 14,185
218021 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	10/29/2015	7.0	\$ (0.9400)	\$ -
219682 NG OTC Swap		HENRY HUB	Aug-16	MANDATORY	11/19/2015	1.0	\$ 2.6300	\$ 26,300
219683 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.6300	\$ 26,300
220021 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	11/23/2015	7.0	\$ (0.8400)	\$ -
221823 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	12/14/2015	7.0	\$ (0.8575)	\$ -
223724 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	1/7/2016	7.0	\$ (1.0350)	\$ -
225478 NG OTC Swap		HENRY HUB	Aug-16	DISCRETIONARY	2/1/2016	1.0	\$ 2.4200	\$ 24,200
226205 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	2/10/2016	7.0	\$ (0.9025)	\$ -
228085 NG Future		HENRY HUB	Aug-16	DISCRETIONARY	3/4/2016	3.0	\$ 2.0060	\$ 60,180
228086 NG Future		HENRY HUB	Aug-16	DISCRETIONARY	3/4/2016	2.0	\$ 2.0150	\$ 40,300
228781 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	3/15/2016	8.0	\$ (0.8600)	\$ -
230726 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	4/6/2016	6.0	\$ (0.8100)	\$ -
232731 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	5/5/2016	12.0	\$ (0.8550)	\$ -
234367 NG Basis Swap		TETCO M2	Aug-16	MANDATORY	6/2/2016	3.0	\$ (0.7525)	\$ -

Please note th:

94.5                   \$ 3,428,325

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
178125 NG Future		HENRY HUB	Sep-16	ACCELERATED	9/2/2014	45.0	\$ 3.9770	\$ 1,789,650
178128 NG Future		HENRY HUB	Sep-16	MANDATORY	9/2/2014	5.0	\$ 3.9770	\$ 198,850
179654 NG Future		HENRY HUB	Sep-16	ACCELERATED	9/12/2014	46.0	\$ -	\$ -
180441 NG Future		HENRY HUB	Sep-16	ACCELERATED	9/29/2014	-46.0	\$ -	\$ -
181299 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	10/8/2014	3.0	\$ 3.9160	\$ 117,480
181332 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.9160	\$ 39,160
187171 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	11/18/2014	3.0	\$ 3.8270	\$ 114,810
188510 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	12/4/2014	2.0	\$ 3.7250	\$ 74,500
190585 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.5600	\$ 35,600
191987 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	1/12/2015	2.0	\$ 3.3200	\$ 66,400
191988 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.3200	\$ 33,200
194546 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	2/12/2015	2.0	\$ 3.2700	\$ 65,400
195642 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.1600	\$ 31,600
196974 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	3/12/2015	2.0	\$ 3.1570	\$ 63,140
199606 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	4/8/2015	2.0	\$ 3.0650	\$ 61,300
202481 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	5/11/2015	2.0	\$ 3.1600	\$ 63,200
202482 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	5/11/2015	1.0	\$ 3.1600	\$ 31,600
205193 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	6/11/2015	2.0	\$ 3.1640	\$ 63,280
207460 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	7/9/2015	2.0	\$ 3.0800	\$ 61,600
209976 NG Basis Swap		S. POINT	Sep-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	8/11/2015	2.0	\$ 3.0330	\$ 60,660
213194 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	9/4/2015	2.0	\$ 2.9100	\$ 58,200
214750 NG Basis Swap		S. POINT	Sep-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
216377 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	10/13/2015	2.0	\$ 2.8310	\$ 56,620
216384 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.8310	\$ 14,155
218021 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	10/29/2015	7.0	\$ (0.9400)	\$ -
219682 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	11/19/2015	3.0	\$ 2.6200	\$ 78,600
219683 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.6200	\$ 26,200
220021 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	11/23/2015	3.0	\$ (0.8400)	\$ -
220761 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	12/2/2015	3.0	\$ 2.4730	\$ 74,190
221823 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	12/14/2015	3.0	\$ (0.8575)	\$ -
223724 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	1/7/2016	3.0	\$ (1.0350)	\$ -
223936 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	1/11/2016	3.0	\$ 2.5800	\$ 77,400
223937 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.5800	\$ 25,800
225477 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	2/1/2016	2.0	\$ 2.4000	\$ 48,000
225478 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	2/1/2016	1.0	\$ 2.4000	\$ 24,000
226205 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	2/10/2016	3.0	\$ (0.9025)	\$ -
228080 NG Future		HENRY HUB	Sep-16	MANDATORY	3/4/2016	2.0	\$ 2.0310	\$ 40,620
228083 NG Future		HENRY HUB	Sep-16	DISCRETIONARY	3/4/2016	5.0	\$ 2.0310	\$ 101,550
228781 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	3/15/2016	4.0	\$ (0.8600)	\$ -
230326 NG Future		HENRY HUB	Sep-16	DISCRETIONARY	3/31/2016	2.0	\$ 2.2440	\$ 44,880
230726 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	4/6/2016	3.0	\$ (0.8100)	\$ -
230767 NG OTC Swap		HENRY HUB	Sep-16	MANDATORY	4/6/2016	2.0	\$ 2.2050	\$ 44,100
230768 NG OTC Swap		HENRY HUB	Sep-16	DISCRETIONARY	4/6/2016	1.0	\$ 2.2050	\$ 22,050
232731 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	5/5/2016	6.0	\$ (0.8550)	\$ -
234367 NG Basis Swap		TETCO M2	Sep-16	MANDATORY	6/2/2016	2.0	\$ (0.7525)	\$ -

Please note th:

109.5 \$ 3,707,795

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
180725 NG Future	HENRY HUB		Oct-16	ACCELERATED	10/1/2014	25.0	\$ 3.9970	\$ 999,250
180726 NG Future	HENRY HUB		Oct-16	MANDATORY	10/1/2014	6.0	\$ 3.9970	\$ 239,820
180729 NG Future	HENRY HUB		Oct-16	ACCELERATED	10/1/2014	25.0	\$ 3.9950	\$ 998,750
181332 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	10/8/2014	1.0	\$ 3.9420	\$ 39,420
187171 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	11/18/2014	4.0	\$ 3.8510	\$ 154,040
188510 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	12/4/2014	4.0	\$ 3.7500	\$ 150,000
190585 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.5900	\$ 35,900
191987 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	1/12/2015	3.0	\$ 3.3400	\$ 100,200
191988 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.3400	\$ 33,400
194546 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	2/12/2015	3.0	\$ 3.2800	\$ 98,400
195642 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.1800	\$ 31,800
196974 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	3/12/2015	3.0	\$ 3.1800	\$ 95,400
199606 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	4/8/2015	3.0	\$ 3.0940	\$ 92,820
202481 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	5/11/2015	3.0	\$ 3.1900	\$ 95,700
202482 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	5/11/2015	1.0	\$ 3.1900	\$ 31,900
205193 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	6/11/2015	3.0	\$ 3.1870	\$ 95,610
207460 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	7/9/2015	3.0	\$ 3.1100	\$ 93,300
209976 NG Basis Swap	S. POINT		Oct-16	MANDATORY	8/4/2015	3.0	\$ (1.3150)	\$ -
210625 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	8/11/2015	3.0	\$ 3.0660	\$ 91,980
211392 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	8/19/2015	1.0	\$ 3.0120	\$ 30,120
213194 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	9/4/2015	3.0	\$ 2.9300	\$ 87,900
214750 NG Basis Swap	S. POINT		Oct-16	MANDATORY	9/25/2015	3.0	\$ (1.1400)	\$ -
216377 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	10/13/2015	3.0	\$ 2.8560	\$ 85,680
216384 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	10/13/2015	0.5	\$ 2.8560	\$ 14,280
218021 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	10/29/2015	7.0	\$ (0.9400)	\$ -
218077 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	10/30/2015	5.0	\$ 2.5650	\$ 128,250
219682 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	11/19/2015	2.0	\$ 2.6400	\$ 52,800
219683 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.6400	\$ 26,400
220021 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	11/23/2015	7.0	\$ (0.8400)	\$ -
220761 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	12/2/2015	2.0	\$ 2.4900	\$ 49,800
221823 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	12/14/2015	7.0	\$ (0.8575)	\$ -
223724 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	1/7/2016	7.0	\$ (1.0350)	\$ -
223936 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	1/11/2016	2.0	\$ 2.6080	\$ 52,160
223937 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.6080	\$ 26,080
225477 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	2/1/2016	2.0	\$ 2.4300	\$ 48,600
225478 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	2/1/2016	1.0	\$ 2.4300	\$ 24,300
226205 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	2/10/2016	7.0	\$ (0.9025)	\$ -
228081 NG Future	HENRY HUB		Oct-16	MANDATORY	3/4/2016	2.0	\$ 2.0750	\$ 41,500
228084 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	3/4/2016	5.0	\$ 2.0750	\$ 103,750
228781 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	3/15/2016	7.0	\$ (0.8600)	\$ -
230327 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	3/31/2016	2.0	\$ 2.2960	\$ 45,920
230726 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	4/6/2016	6.0	\$ (0.8100)	\$ -
230767 NG OTC Swap	HENRY HUB		Oct-16	MANDATORY	4/6/2016	2.0	\$ 2.2600	\$ 45,200
230768 NG OTC Swap	HENRY HUB		Oct-16	DISCRETIONARY	4/6/2016	1.0	\$ 2.2600	\$ 22,600
232488 NG Future	HENRY HUB		Oct-16	MANDATORY	5/2/2016	3.0	\$ 2.4800	\$ 74,400
232489 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	5/2/2016	6.0	\$ 2.4800	\$ 148,800
232731 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	5/5/2016	8.0	\$ (0.8550)	\$ -
233265 NG Future	HENRY HUB		Oct-16	DISCRETIONARY	5/16/2016	10.0	\$ 2.3780	\$ 237,800
234367 NG Basis Swap	TETCO M2		Oct-16	MANDATORY	6/2/2016	5.0	\$ (0.7525)	\$ -

Please note th:

147.5      \$ 4,824,030

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
186250 NG Future	HENRY HUB		Nov-16	ACCELERATED	11/13/2014	37.0	\$ 3.9380	\$ 1,457,060
186251 NG Future	HENRY HUB		Nov-16	MANDATORY	11/13/2014	8.0	\$ 3.9380	\$ 315,040
187628 NG Future	HENRY HUB		Nov-16	ACCELERATED	11/21/2014	39.0	\$ 3.8750	\$ 1,511,250
187629 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	11/21/2014	1.0	\$ 3.8750	\$ 38,750
188511 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	12/4/2014	4.0	\$ 3.8200	\$ 152,800
190586 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.6900	\$ 36,900
191989 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	1/12/2015	4.0	\$ 3.4300	\$ 137,200
191990 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.4300	\$ 34,300
195569 NG Future	HENRY HUB		Nov-16	MANDATORY	2/26/2015	4.0	\$ 3.2700	\$ 130,800
195580 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	2/26/2015	1.0	\$ 3.2700	\$ 32,700
197726 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	3/19/2015	4.0	\$ 3.2550	\$ 130,200
197728 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	3/19/2015	1.0	\$ 3.2550	\$ 32,550
200844 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	4/23/2015	4.0	\$ 3.1400	\$ 125,600
200851 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	4/23/2015	1.0	\$ 3.1400	\$ 31,400
203715 NG Future	HENRY HUB		Nov-16	MANDATORY	5/22/2015	4.0	\$ 3.2700	\$ 130,800
203716 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	5/22/2015	1.0	\$ 3.2700	\$ 32,700
205315 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	6/12/2015	4.0	\$ 3.2200	\$ 128,800
205316 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	6/12/2015	1.0	\$ 3.2200	\$ 32,200
208798 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	7/22/2015	4.0	\$ 3.2590	\$ 130,360
208802 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	7/22/2015	1.0	\$ 3.2590	\$ 32,590
211181 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	8/17/2015	4.0	\$ 3.1250	\$ 125,000
211186 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	8/17/2015	1.0	\$ 3.1250	\$ 31,250
213762 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	9/14/2015	4.0	\$ 3.0550	\$ 122,200
213764 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	9/14/2015	1.0	\$ 3.0550	\$ 30,550
217250 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	10/21/2015	3.0	\$ 2.8572	\$ 85,716
217251 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	10/21/2015	1.0	\$ 2.8572	\$ 28,572
219705 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	11/19/2015	4.0	\$ 2.7120	\$ 108,480
219707 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.7120	\$ 27,120
221817 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	12/14/2015	5.0	\$ 2.4450	\$ 122,250
221819 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	12/14/2015	1.0	\$ 2.4450	\$ 24,450
222244 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	12/17/2015	3.0	\$ (0.6250)	\$ -
223938 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	1/11/2016	5.0	\$ 2.6900	\$ 134,500
223939 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.6900	\$ 26,900
225159 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	1/28/2016	3.0	\$ (0.6900)	\$ -
226246 NG Future	HENRY HUB		Nov-16	MANDATORY	2/10/2016	4.0	\$ 2.4460	\$ 97,840
226247 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	2/10/2016	1.0	\$ 2.4460	\$ 24,460
226696 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	2/18/2016	3.0	\$ (0.7200)	\$ -
228783 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	3/15/2016	2.0	\$ (0.7800)	\$ -
228906 NG Future	HENRY HUB		Nov-16	MANDATORY	3/16/2016	4.0	\$ 2.4220	\$ 96,880
228933 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	3/16/2016	1.0	\$ 2.4220	\$ 24,220
230729 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	4/6/2016	2.0	\$ (0.8100)	\$ -
230769 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	4/6/2016	4.0	\$ 2.4400	\$ 97,600
230770 NG OTC Swap	HENRY HUB		Nov-16	DISCRETIONARY	4/6/2016	1.0	\$ 2.4400	\$ 24,400
232490 NG Future	HENRY HUB		Nov-16	MANDATORY	5/2/2016	4.0	\$ 2.6900	\$ 107,600
232491 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	5/2/2016	2.0	\$ 2.6900	\$ 53,800
232732 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	5/5/2016	3.0	\$ (0.8550)	\$ -
233266 NG Future	HENRY HUB		Nov-16	DISCRETIONARY	5/16/2016	5.0	\$ 2.5850	\$ 129,250
234368 NG Basis Swap	TETCO M2		Nov-16	MANDATORY	6/2/2016	3.0	\$ (0.7525)	\$ -
234842 NG OTC Swap	HENRY HUB		Nov-16	MANDATORY	6/10/2016	3.0	\$ 2.9200	\$ 87,600

Please note th:

185.0 \$ 6,264,638

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
188323 NG Future	HENRY HUB		Dec-16	ACCELERATED	12/2/2014	57.0	\$ 4.0690	\$ 2,319,330
188325 NG Future	HENRY HUB		Dec-16	MANDATORY	12/2/2014	12.0	\$ 4.0690	\$ 488,280
190121 NG Future	HENRY HUB		Dec-16	ACCELERATED	12/15/2014	57.0	\$ 4.0150	\$ 2,288,550
190586 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	12/22/2014	1.0	\$ 3.8600	\$ 38,600
191989 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	1/12/2015	6.0	\$ 3.6200	\$ 217,200
191990 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	1/12/2015	1.0	\$ 3.6200	\$ 36,200
195569 NG Future	HENRY HUB		Dec-16	MANDATORY	2/26/2015	6.0	\$ 3.4600	\$ 207,600
197726 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	3/19/2015	6.0	\$ 3.4370	\$ 206,220
200844 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	4/23/2015	6.0	\$ 3.3080	\$ 198,480
200851 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	4/23/2015	1.0	\$ 3.3080	\$ 33,080
203717 NG Future	HENRY HUB		Dec-16	MANDATORY	5/22/2015	6.0	\$ 3.4200	\$ 205,200
203718 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	5/22/2015	1.0	\$ 3.4200	\$ 34,200
205315 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	6/12/2015	6.0	\$ 3.3750	\$ 202,500
208798 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	7/22/2015	6.0	\$ 3.4200	\$ 205,200
208802 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	7/22/2015	1.0	\$ 3.4200	\$ 34,200
211181 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	8/17/2015	6.0	\$ 3.2750	\$ 196,500
211393 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	8/19/2015	1.0	\$ 3.2580	\$ 32,580
213762 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	9/14/2015	6.0	\$ 3.2150	\$ 192,900
213764 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	9/14/2015	1.0	\$ 3.2150	\$ 32,150
217250 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	10/21/2015	5.0	\$ 3.0132	\$ 150,660
217251 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	10/21/2015	1.0	\$ 3.0132	\$ 30,132
219705 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	11/19/2015	6.0	\$ 2.8620	\$ 171,720
219707 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	11/19/2015	1.0	\$ 2.8620	\$ 28,620
221817 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	12/14/2015	6.0	\$ 2.6000	\$ 156,000
221819 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	12/14/2015	1.0	\$ 2.6000	\$ 26,000
222244 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	12/17/2015	10.0	\$ (0.6250)	\$ -
223938 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	1/11/2016	6.0	\$ 2.8500	\$ 171,000
223939 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	1/11/2016	1.0	\$ 2.8500	\$ 28,500
225159 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	1/28/2016	10.0	\$ (0.6900)	\$ -
226246 NG Future	HENRY HUB		Dec-16	MANDATORY	2/10/2016	6.0	\$ 2.6390	\$ 158,340
226247 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	2/10/2016	1.0	\$ 2.6390	\$ 26,390
226696 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	2/18/2016	10.0	\$ (0.7200)	\$ -
228783 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	3/15/2016	7.0	\$ (0.7800)	\$ -
228906 NG Future	HENRY HUB		Dec-16	MANDATORY	3/16/2016	6.0	\$ 2.6770	\$ 160,620
228933 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	3/16/2016	1.0	\$ 2.6770	\$ 26,770
230328 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	3/31/2016	1.0	\$ 2.7440	\$ 27,440
230329 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	3/31/2016	1.0	\$ 2.7450	\$ 27,450
230729 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	4/6/2016	6.0	\$ (0.8100)	\$ -
230769 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	4/6/2016	6.0	\$ 2.7200	\$ 163,200
230770 NG OTC Swap	HENRY HUB		Dec-16	DISCRETIONARY	4/6/2016	1.0	\$ 2.7200	\$ 27,200
232490 NG Future	HENRY HUB		Dec-16	MANDATORY	5/2/2016	6.0	\$ 2.9970	\$ 179,820
232491 NG Future	HENRY HUB		Dec-16	DISCRETIONARY	5/2/2016	5.0	\$ 2.9970	\$ 149,850
232732 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	5/5/2016	11.0	\$ (0.8550)	\$ -
234368 NG Basis Swap	TETCO M2		Dec-16	MANDATORY	6/2/2016	9.0	\$ (0.7525)	\$ -
234842 NG OTC Swap	HENRY HUB		Dec-16	MANDATORY	6/10/2016	5.0	\$ 3.1900	\$ 159,500

Please note th:

253.0      \$ 9,038,182

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
191457	NG Future	HENRY HUB	Jan-17	ACCELERATED	1/5/2015	64.0	\$ 3.8350	\$ 2,454,400
191458	NG Future	HENRY HUB	Jan-17	MANDATORY	1/5/2015	14.0	\$ 3.8350	\$ 536,900
191990	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	1/12/2015	1.0	\$ 3.7700	\$ 37,700
191991	NG Future	HENRY HUB	Jan-17	ACCELERATED	1/12/2015	64.0	\$ 3.7600	\$ 2,406,400
195569	NG Future	HENRY HUB	Jan-17	MANDATORY	2/26/2015	7.0	\$ 3.6150	\$ 253,050
195580	NG Future	HENRY HUB	Jan-17	DISCRETIONARY	2/26/2015	1.0	\$ 3.6150	\$ 36,150
197726	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	3/19/2015	7.0	\$ 3.5900	\$ 251,300
197728	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	3/19/2015	1.0	\$ 3.5900	\$ 35,900
200844	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	4/23/2015	7.0	\$ 3.4900	\$ 244,300
200851	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	4/23/2015	1.0	\$ 3.4900	\$ 34,900
203719	NG Future	HENRY HUB	Jan-17	MANDATORY	5/22/2015	7.0	\$ 3.5350	\$ 247,450
203720	NG Future	HENRY HUB	Jan-17	DISCRETIONARY	5/22/2015	1.0	\$ 3.5350	\$ 35,350
205315	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	6/12/2015	7.0	\$ 3.5450	\$ 248,150
205316	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	6/12/2015	1.0	\$ 3.5450	\$ 35,450
208798	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	7/22/2015	7.0	\$ 3.5270	\$ 246,890
208802	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	7/22/2015	1.0	\$ 3.5270	\$ 35,270
211181	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	8/17/2015	6.0	\$ 3.4200	\$ 205,200
211186	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	8/17/2015	1.0	\$ 3.4200	\$ 34,200
213762	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	9/14/2015	7.0	\$ 3.3150	\$ 232,050
213764	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	9/14/2015	1.0	\$ 3.3150	\$ 33,150
217250	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	10/21/2015	6.0	\$ 3.1172	\$ 187,032
217251	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	10/21/2015	1.0	\$ 3.1172	\$ 31,172
219705	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	11/19/2015	7.0	\$ 2.9720	\$ 208,040
219707	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	11/19/2015	1.0	\$ 2.9720	\$ 29,720
221817	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	12/14/2015	7.0	\$ 2.7100	\$ 189,700
221819	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	12/14/2015	1.0	\$ 2.7100	\$ 27,100
222244	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	12/17/2015	9.0	\$ (0.6250)	\$ -
223938	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	1/11/2016	7.0	\$ 2.9500	\$ 206,500
223939	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	1/11/2016	1.0	\$ 2.9500	\$ 29,500
225159	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	1/28/2016	9.0	\$ (0.6900)	\$ -
226246	NG Future	HENRY HUB	Jan-17	MANDATORY	2/10/2016	7.0	\$ 2.7590	\$ 193,130
226247	NG Future	HENRY HUB	Jan-17	DISCRETIONARY	2/10/2016	1.0	\$ 2.7590	\$ 27,590
226696	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	2/18/2016	9.0	\$ (0.7200)	\$ -
228783	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	3/15/2016	7.0	\$ (0.7800)	\$ -
228906	NG Future	HENRY HUB	Jan-17	MANDATORY	3/16/2016	7.0	\$ 2.8010	\$ 196,070
228933	NG Future	HENRY HUB	Jan-17	DISCRETIONARY	3/16/2016	1.0	\$ 2.8010	\$ 28,010
230729	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	4/6/2016	7.0	\$ (0.8100)	\$ -
230769	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	4/6/2016	7.0	\$ 2.8500	\$ 199,500
230770	NG OTC Swap	HENRY HUB	Jan-17	DISCRETIONARY	4/6/2016	1.0	\$ 2.8500	\$ 28,500
232490	NG Future	HENRY HUB	Jan-17	MANDATORY	5/2/2016	7.0	\$ 3.1250	\$ 218,750
232491	NG Future	HENRY HUB	Jan-17	DISCRETIONARY	5/2/2016	6.0	\$ 3.1250	\$ 187,500
232732	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	5/5/2016	11.0	\$ (0.8550)	\$ -
234368	NG Basis Swap	TETCO M2	Jan-17	MANDATORY	6/2/2016	9.0	\$ (0.7525)	\$ -
234842	NG OTC Swap	HENRY HUB	Jan-17	MANDATORY	6/10/2016	7.0	\$ 3.3200	\$ 232,400

Please note th:

281.0      \$ 9,864,374

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
193811 NG Future	HENRY HUB		Feb-17	ACCELERATED	2/5/2015	56.0	\$ 3.6150	\$ 2,024,400
193813 NG Future	HENRY HUB		Feb-17	MANDATORY	2/5/2015	12.0	\$ 3.6150	\$ 433,800
197726 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	3/19/2015	6.0	\$ 3.5780	\$ 214,680
197728 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	3/19/2015	1.0	\$ 3.5780	\$ 35,780
199071 NG Future	HENRY HUB		Feb-17	ACCELERATED	2/26/2015	58.0	\$ 3.6000	\$ 2,088,000
199072 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	2/26/2015	1.0	\$ 3.6000	\$ 36,000
200844 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	4/23/2015	4.0	\$ 3.4800	\$ 139,200
201078 NG Future	HENRY HUB		Feb-17	MANDATORY	4/27/2015	2.0	\$ 3.4150	\$ 68,300
201080 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	4/27/2015	1.0	\$ 3.4150	\$ 34,150
203897 NG Future	HENRY HUB		Feb-17	MANDATORY	5/26/2015	6.0	\$ 3.4980	\$ 209,880
203898 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	5/26/2015	3.0	\$ 3.4980	\$ 104,940
205315 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	6/12/2015	6.0	\$ 3.5300	\$ 211,800
205316 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	6/12/2015	1.0	\$ 3.5300	\$ 35,300
208798 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	7/22/2015	6.0	\$ 3.5180	\$ 211,080
208802 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	7/22/2015	1.0	\$ 3.5180	\$ 35,180
211181 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	8/17/2015	6.0	\$ 3.4200	\$ 205,200
213762 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	9/14/2015	6.0	\$ 3.3100	\$ 198,600
213764 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	9/14/2015	1.0	\$ 3.3100	\$ 33,100
217250 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	10/21/2015	6.0	\$ 3.1142	\$ 186,852
217251 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	10/21/2015	1.0	\$ 3.1142	\$ 31,142
219705 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	11/19/2015	7.0	\$ 2.9610	\$ 207,270
219707 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	11/19/2015	1.0	\$ 2.9610	\$ 29,610
221817 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	12/14/2015	7.0	\$ 2.7100	\$ 189,700
221819 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	12/14/2015	1.0	\$ 2.7100	\$ 27,100
222244 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	12/17/2015	8.0	\$ (0.6250)	\$ -
223938 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	1/11/2016	7.0	\$ 2.9400	\$ 205,800
223939 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	1/11/2016	1.0	\$ 2.9400	\$ 29,400
225159 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	1/28/2016	8.0	\$ (0.6900)	\$ -
226246 NG Future	HENRY HUB		Feb-17	MANDATORY	2/10/2016	7.0	\$ 2.7580	\$ 193,060
226247 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	2/10/2016	1.0	\$ 2.7580	\$ 27,580
226696 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	2/18/2016	8.0	\$ (0.7200)	\$ -
228783 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	3/15/2016	6.0	\$ (0.7800)	\$ -
228906 NG Future	HENRY HUB		Feb-17	MANDATORY	3/16/2016	2.0	\$ 2.7930	\$ 55,860
228910 NG Future	HENRY HUB		Feb-17	MANDATORY	3/16/2016	5.0	\$ 2.7940	\$ 139,700
228933 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	3/16/2016	1.0	\$ 2.7940	\$ 27,940
230330 NG Future	HENRY HUB		Feb-17	DISCRETIONARY	3/31/2016	1.0	\$ 2.8730	\$ 28,730
230729 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	4/6/2016	6.0	\$ (0.8100)	\$ -
230769 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	4/6/2016	7.0	\$ 2.8450	\$ 199,150
230770 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	4/6/2016	1.0	\$ 2.8450	\$ 28,450
232492 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	5/2/2016	7.0	\$ 3.1200	\$ 218,400
232493 NG OTC Swap	HENRY HUB		Feb-17	DISCRETIONARY	5/2/2016	6.0	\$ 3.1200	\$ 187,200
232732 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	5/5/2016	9.0	\$ (0.8550)	\$ -
234368 NG Basis Swap	TETCO M2		Feb-17	MANDATORY	6/2/2016	8.0	\$ (0.7525)	\$ -
234842 NG OTC Swap	HENRY HUB		Feb-17	MANDATORY	6/10/2016	7.0	\$ 3.3050	\$ 231,350

Please note th:

253.0      \$ 8,563,684

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
196452 NG Future		HENRY HUB	Mar-17	ACCELERATED	3/9/2015	49.0	\$ 3.5300	\$ 1,729,700
196454 NG Future		HENRY HUB	Mar-17	MANDATORY	3/9/2015	11.0	\$ 3.5300	\$ 388,300
199073 NG Future		HENRY HUB	Mar-17	ACCELERATED	3/13/2015	48.0	\$ 3.5050	\$ 1,682,400
199074 NG Future		HENRY HUB	Mar-17	DISCRETIONARY	3/13/2015	1.0	\$ 3.5050	\$ 35,050
200844 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	4/23/2015	4.0	\$ 3.4300	\$ 137,200
201082 NG Future		HENRY HUB	Mar-17	MANDATORY	4/27/2015	1.0	\$ 3.3600	\$ 33,600
201083 NG Future		HENRY HUB	Mar-17	DISCRETIONARY	4/27/2015	1.0	\$ 3.3600	\$ 33,600
203899 NG Future		HENRY HUB	Mar-17	MANDATORY	5/26/2015	5.0	\$ 3.4430	\$ 172,150
203901 NG Future		HENRY HUB	Mar-17	DISCRETIONARY	5/26/2015	2.0	\$ 3.4430	\$ 68,860
205315 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	6/12/2015	5.0	\$ 3.4700	\$ 173,500
208798 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	7/22/2015	5.0	\$ 3.4580	\$ 172,900
211181 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	8/17/2015	5.0	\$ 3.3500	\$ 167,500
213762 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	9/14/2015	6.0	\$ 3.2400	\$ 194,400
213764 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	9/14/2015	1.0	\$ 3.2400	\$ 32,400
217250 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	10/21/2015	5.0	\$ 3.0622	\$ 153,110
217251 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	10/21/2015	1.0	\$ 3.0622	\$ 30,622
219705 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	11/19/2015	7.0	\$ 2.9180	\$ 204,260
219707 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	11/19/2015	1.0	\$ 2.9180	\$ 29,180
221817 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	12/14/2015	7.0	\$ 2.6800	\$ 187,600
221819 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	12/14/2015	1.0	\$ 2.6800	\$ 26,800
222244 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	12/17/2015	7.0	\$ (0.6250)	\$ -
223938 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	1/11/2016	6.0	\$ 2.9000	\$ 174,000
223939 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	1/11/2016	1.0	\$ 2.9000	\$ 29,000
225159 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	1/28/2016	7.0	\$ (0.6900)	\$ -
226246 NG Future		HENRY HUB	Mar-17	MANDATORY	2/10/2016	6.0	\$ 2.7250	\$ 163,500
226247 NG Future		HENRY HUB	Mar-17	DISCRETIONARY	2/10/2016	1.0	\$ 2.7250	\$ 27,250
226696 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	2/18/2016	7.0	\$ (0.7200)	\$ -
228783 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	3/15/2016	6.0	\$ (0.7800)	\$ -
228906 NG Future		HENRY HUB	Mar-17	MANDATORY	3/16/2016	2.0	\$ 2.7530	\$ 55,060
228910 NG Future		HENRY HUB	Mar-17	MANDATORY	3/16/2016	4.0	\$ 2.7550	\$ 110,200
228933 NG Future		HENRY HUB	Mar-17	DISCRETIONARY	3/16/2016	1.0	\$ 2.7550	\$ 27,550
230729 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	4/6/2016	5.0	\$ (0.8100)	\$ -
230769 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	4/6/2016	6.0	\$ 2.8100	\$ 168,600
230770 NG OTC Swap		HENRY HUB	Mar-17	DISCRETIONARY	4/6/2016	1.0	\$ 2.8100	\$ 28,100
232492 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	5/2/2016	6.0	\$ 3.0700	\$ 184,200
232732 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	5/5/2016	8.0	\$ (0.8550)	\$ -
234368 NG Basis Swap		TETCO M2	Mar-17	MANDATORY	6/2/2016	7.0	\$ (0.7525)	\$ -
234842 NG OTC Swap		HENRY HUB	Mar-17	MANDATORY	6/10/2016	6.0	\$ 3.2500	\$ 195,000

Please note th:

206.0      \$ 6,815,592

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
199622	NG Future	HENRY HUB	Apr-17	ACCELERATED	4/8/2015	75.0	\$ 3.2150	\$ 2,411,250
199624	NG Future	HENRY HUB	Apr-17	MANDATORY	4/8/2015	8.0	\$ 3.2150	\$ 257,200
199761	NG Future	HENRY HUB	Apr-17	DISCRETIONARY	4/9/2015	1.0	\$ 3.2150	\$ 32,150
203902	NG Future	HENRY HUB	Apr-17	MANDATORY	5/26/2015	4.0	\$ 3.2080	\$ 128,320
203903	NG Future	HENRY HUB	Apr-17	DISCRETIONARY	5/26/2015	2.0	\$ 3.2080	\$ 64,160
205317	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	6/12/2015	4.0	\$ 3.2000	\$ 128,000
208798	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	7/22/2015	4.0	\$ 3.2080	\$ 128,320
211182	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	8/17/2015	4.0	\$ 3.0900	\$ 123,600
213763	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	9/14/2015	4.0	\$ 3.0100	\$ 120,400
213767	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	9/14/2015	1.0	\$ 3.0100	\$ 30,100
217299	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	10/22/2015	4.0	\$ 2.8800	\$ 115,200
217303	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	10/22/2015	0.5	\$ 2.8800	\$ 14,400
220104	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	11/23/2015	3.0	\$ 2.6680	\$ 80,040
220105	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	11/23/2015	1.0	\$ 2.6680	\$ 26,680
222030	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	12/16/2015	3.0	\$ 2.5200	\$ 75,600
222039	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	12/16/2015	1.0	\$ 2.5200	\$ 25,200
224248	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	1/14/2016	3.0	\$ 2.5800	\$ 77,400
224249	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	1/14/2016	0.5	\$ 2.5800	\$ 12,900
226384	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	2/11/2016	3.0	\$ 2.5500	\$ 76,500
226385	NG OTC Swap	HENRY HUB	Apr-17	DISCRETIONARY	2/11/2016	1.0	\$ 2.5500	\$ 25,500
229434	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	3/21/2016	2.0	\$ 2.5900	\$ 51,800
231339	NG Future	HENRY HUB	Apr-17	MANDATORY	4/14/2016	2.0	\$ 2.6690	\$ 53,380
231340	NG Future	HENRY HUB	Apr-17	DISCRETIONARY	4/14/2016	1.0	\$ 2.6690	\$ 26,690
232494	NG OTC Swap	HENRY HUB	Apr-17	MANDATORY	5/2/2016	3.0	\$ 2.8800	\$ 86,400
235601	NG Future	HENRY HUB	Apr-17	MANDATORY	6/22/2016	2.0	\$ 3.0210	\$ 60,420

Please note th:

137.0                   \$ 4,231,610

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
202173	NG Future	HENRY HUB	May-17	ACCELERATED	5/7/2015	62.0	\$ 3.2200	\$ 1,996,400
202174	NG Future	HENRY HUB	May-17	MANDATORY	5/7/2015	7.0	\$ 3.2200	\$ 225,400
203904	NG Future	HENRY HUB	May-17	DISCRETIONARY	5/26/2015	1.0	\$ 3.2050	\$ 32,050
205317	NG OTC Swap	HENRY HUB	May-17	MANDATORY	6/12/2015	3.0	\$ 3.2000	\$ 96,000
208798	NG OTC Swap	HENRY HUB	May-17	MANDATORY	7/22/2015	4.0	\$ 3.2050	\$ 128,200
211182	NG OTC Swap	HENRY HUB	May-17	MANDATORY	8/17/2015	3.0	\$ 3.0900	\$ 92,700
213763	NG OTC Swap	HENRY HUB	May-17	MANDATORY	9/14/2015	4.0	\$ 3.0000	\$ 120,000
213767	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	9/14/2015	1.0	\$ 3.0000	\$ 30,000
217299	NG OTC Swap	HENRY HUB	May-17	MANDATORY	10/22/2015	3.0	\$ 2.8840	\$ 86,520
217303	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	10/22/2015	0.5	\$ 2.8840	\$ 14,420
220104	NG OTC Swap	HENRY HUB	May-17	MANDATORY	11/23/2015	5.0	\$ 2.6700	\$ 133,500
220105	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	11/23/2015	1.0	\$ 2.6700	\$ 26,700
222030	NG OTC Swap	HENRY HUB	May-17	MANDATORY	12/16/2015	5.0	\$ 2.5400	\$ 127,000
222039	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	12/16/2015	1.0	\$ 2.5400	\$ 25,400
224248	NG OTC Swap	HENRY HUB	May-17	MANDATORY	1/14/2016	5.0	\$ 2.6000	\$ 130,000
224249	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	1/14/2016	1.0	\$ 2.6000	\$ 26,000
226384	NG OTC Swap	HENRY HUB	May-17	MANDATORY	2/11/2016	5.0	\$ 2.5600	\$ 128,000
226385	NG OTC Swap	HENRY HUB	May-17	DISCRETIONARY	2/11/2016	1.0	\$ 2.5600	\$ 25,600
229434	NG OTC Swap	HENRY HUB	May-17	MANDATORY	3/21/2016	5.0	\$ 2.6000	\$ 130,000
231341	NG Future	HENRY HUB	May-17	MANDATORY	4/14/2016	2.0	\$ 2.6750	\$ 53,500
231342	NG Future	HENRY HUB	May-17	MANDATORY	4/14/2016	3.0	\$ 2.6790	\$ 80,370
231343	NG Future	HENRY HUB	May-17	DISCRETIONARY	4/14/2016	1.0	\$ 2.6790	\$ 26,790
232494	NG OTC Swap	HENRY HUB	May-17	MANDATORY	5/2/2016	5.0	\$ 2.8600	\$ 143,000
235602	NG Future	HENRY HUB	May-17	MANDATORY	6/22/2016	5.0	\$ 2.9880	\$ 149,400

Please note th:

133.5                   \$ 4,026,950

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
205321 NG Future		HENRY HUB	Jun-17	ACCELERATED	6/12/2015	25.0	\$ 3.2350	\$ 808,750
205323 NG Future		HENRY HUB	Jun-17	MANDATORY	6/12/2015	5.0	\$ 3.2300	\$ 161,500
205324 NG Future		HENRY HUB	Jun-17	ACCELERATED	6/12/2015	19.0	\$ 3.2300	\$ 613,700
208798 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	7/22/2015	3.0	\$ 3.2360	\$ 97,080
211182 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	8/17/2015	2.0	\$ 3.1100	\$ 62,200
213763 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	9/14/2015	3.0	\$ 3.0200	\$ 90,600
215176 NG Future		HENRY HUB	Jun-17	DISCRETIONARY	9/30/2015	1.0	\$ 2.9040	\$ 29,040
217299 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	10/22/2015	2.0	\$ 2.9000	\$ 58,000
220104 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	11/23/2015	3.0	\$ 2.7100	\$ 81,300
220105 NG OTC Swap		HENRY HUB	Jun-17	DISCRETIONARY	11/23/2015	1.0	\$ 2.7100	\$ 27,100
222030 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	12/16/2015	3.0	\$ 2.5900	\$ 77,700
222039 NG OTC Swap		HENRY HUB	Jun-17	DISCRETIONARY	12/16/2015	1.0	\$ 2.5900	\$ 25,900
224248 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	1/14/2016	3.0	\$ 2.6200	\$ 78,600
224249 NG OTC Swap		HENRY HUB	Jun-17	DISCRETIONARY	1/14/2016	1.0	\$ 2.6200	\$ 26,200
226384 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	2/11/2016	3.0	\$ 2.5950	\$ 77,850
226385 NG OTC Swap		HENRY HUB	Jun-17	DISCRETIONARY	2/11/2016	1.0	\$ 2.5950	\$ 25,950
229434 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	3/21/2016	3.0	\$ 2.6500	\$ 79,500
231344 NG Future		HENRY HUB	Jun-17	MANDATORY	4/14/2016	3.0	\$ 2.7160	\$ 81,480
232494 NG OTC Swap		HENRY HUB	Jun-17	MANDATORY	5/2/2016	3.0	\$ 2.8900	\$ 86,700
235603 NG Future		HENRY HUB	Jun-17	MANDATORY	6/22/2016	3.0	\$ 3.0110	\$ 90,330

Please note th:

88.0      \$ 2,679,480

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
207524 NG Future	HENRY HUB	Jul-17 ACCELERATED	7/9/2015	45.0	\$ 3.2660	\$ 1,469,700		
207525 NG Future	HENRY HUB	Jul-17 MANDATORY	7/9/2015	5.0	\$ 3.2660	\$ 163,300		
211182 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	8/17/2015	2.0	\$ 3.1400	\$ 62,800		
213763 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	9/14/2015	3.0	\$ 3.0600	\$ 91,800		
215176 NG Future	HENRY HUB	Jul-17 DISCRETIONARY	9/30/2015	1.0	\$ 2.9420	\$ 29,420		
217299 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	10/22/2015	2.0	\$ 2.9400	\$ 58,800		
220104 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	11/23/2015	1.0	\$ 2.7530	\$ 27,530		
220105 NG OTC Swap	HENRY HUB	Jul-17 DISCRETIONARY	11/23/2015	1.0	\$ 2.7530	\$ 27,530		
222030 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	12/16/2015	1.0	\$ 2.6400	\$ 26,400		
222039 NG OTC Swap	HENRY HUB	Jul-17 DISCRETIONARY	12/16/2015	1.0	\$ 2.6400	\$ 26,400		
224248 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	1/14/2016	1.0	\$ 2.7000	\$ 27,000		
224249 NG OTC Swap	HENRY HUB	Jul-17 DISCRETIONARY	1/14/2016	0.5	\$ 2.7000	\$ 13,500		
226384 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	2/11/2016	1.0	\$ 2.6350	\$ 26,350		
226385 NG OTC Swap	HENRY HUB	Jul-17 DISCRETIONARY	2/11/2016	1.0	\$ 2.6350	\$ 26,350		
229434 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	3/21/2016	1.0	\$ 2.6900	\$ 26,900		
231345 NG Future	HENRY HUB	Jul-17 MANDATORY	4/14/2016	1.0	\$ 2.7570	\$ 27,570		
232494 NG OTC Swap	HENRY HUB	Jul-17 MANDATORY	5/2/2016	1.0	\$ 2.9200	\$ 29,200		
235605 NG Future	HENRY HUB	Jul-17 MANDATORY	6/22/2016	1.0	\$ 3.0470	\$ 30,470		

Please note th:

69.5 \$ 2,191,020

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
210627 NG Future	HENRY HUB		Aug-17	ACCELERATED	8/11/2015	32.0	\$ 3.1500	\$ 1,008,000
210628 NG Future	HENRY HUB		Aug-17	MANDATORY	8/11/2015	4.0	\$ 3.1500	\$ 126,000
213763 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	9/14/2015	2.0	\$ 3.0700	\$ 61,400
217299 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	10/22/2015	2.0	\$ 2.9560	\$ 59,120
217303 NG OTC Swap	HENRY HUB		Aug-17	DISCRETIONARY	10/22/2015	1.0	\$ 2.9560	\$ 29,560
220104 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	11/23/2015	3.0	\$ 2.7670	\$ 83,010
220105 NG OTC Swap	HENRY HUB		Aug-17	DISCRETIONARY	11/23/2015	2.0	\$ 2.7670	\$ 55,340
222030 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	12/16/2015	3.0	\$ 2.6500	\$ 79,500
222039 NG OTC Swap	HENRY HUB		Aug-17	DISCRETIONARY	12/16/2015	1.0	\$ 2.6500	\$ 26,500
224248 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	1/14/2016	3.0	\$ 2.6700	\$ 80,100
224249 NG OTC Swap	HENRY HUB		Aug-17	DISCRETIONARY	1/14/2016	2.0	\$ 2.6700	\$ 53,400
226384 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	2/11/2016	3.0	\$ 2.6450	\$ 79,350
226385 NG OTC Swap	HENRY HUB		Aug-17	DISCRETIONARY	2/11/2016	1.0	\$ 2.6450	\$ 26,450
229434 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	3/21/2016	3.0	\$ 2.7000	\$ 81,000
231346 NG Future	HENRY HUB		Aug-17	MANDATORY	4/14/2016	3.0	\$ 2.7680	\$ 83,040
232494 NG OTC Swap	HENRY HUB		Aug-17	MANDATORY	5/2/2016	3.0	\$ 2.9400	\$ 88,200
235606 NG Future	HENRY HUB		Aug-17	MANDATORY	6/22/2016	3.0	\$ 3.0540	\$ 91,620

Please note th:

71.0                   \$ 2,111,590

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
213197 NG OTC Swap		HENRY HUB	Sep-17	ACCELERATED	9/4/2015	43.0	\$ 3.0300	\$ 1,302,900
213198 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	9/4/2015	5.0	\$ 3.0300	\$ 151,500
217299 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	10/22/2015	2.0	\$ 2.9500	\$ 59,000
217303 NG OTC Swap		HENRY HUB	Sep-17	DISCRETIONARY	10/22/2015	1.0	\$ 2.9500	\$ 29,500
220104 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	11/23/2015	3.0	\$ 2.7550	\$ 82,650
220105 NG OTC Swap		HENRY HUB	Sep-17	DISCRETIONARY	11/23/2015	1.0	\$ 2.7550	\$ 27,550
222030 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	12/16/2015	3.0	\$ 2.6400	\$ 79,200
222039 NG OTC Swap		HENRY HUB	Sep-17	DISCRETIONARY	12/16/2015	1.0	\$ 2.6400	\$ 26,400
224248 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	1/14/2016	3.0	\$ 2.7000	\$ 81,000
224249 NG OTC Swap		HENRY HUB	Sep-17	DISCRETIONARY	1/14/2016	1.0	\$ 2.7000	\$ 27,000
226384 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	2/11/2016	3.0	\$ 2.6400	\$ 79,200
226385 NG OTC Swap		HENRY HUB	Sep-17	DISCRETIONARY	2/11/2016	1.0	\$ 2.6400	\$ 26,400
229434 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	3/21/2016	3.0	\$ 2.6900	\$ 80,700
231327 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	4/14/2016	3.0	\$ 2.7610	\$ 82,830
232494 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	5/2/2016	3.0	\$ 2.9400	\$ 88,200
234841 NG OTC Swap		HENRY HUB	Sep-17	MANDATORY	6/10/2016	3.0	\$ 3.0000	\$ 90,000

Please note th:

79.0                   \$ 2,314,030

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
216394 NG OTC Swap	HENRY HUB	Oct-17 ACCELERATED	10/13/2015	56.0	\$ 2,9900	\$ 1,674,400		
216395 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	10/13/2015	6.0	\$ 2,9900	\$ 179,400		
220104 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	11/23/2015	3.0	\$ 2.7830	\$ 83,490		
220105 NG OTC Swap	HENRY HUB	Oct-17 DISCRETIONARY	11/23/2015	1.0	\$ 2.7830	\$ 27,830		
222030 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	12/16/2015	4.0	\$ 2.6600	\$ 106,400		
222039 NG OTC Swap	HENRY HUB	Oct-17 DISCRETIONARY	12/16/2015	1.0	\$ 2.6600	\$ 26,600		
224248 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	1/14/2016	3.0	\$ 2.7300	\$ 81,900		
224249 NG OTC Swap	HENRY HUB	Oct-17 DISCRETIONARY	1/14/2016	2.0	\$ 2.7300	\$ 54,600		
226384 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	2/11/2016	3.0	\$ 2.6600	\$ 79,800		
229434 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	3/21/2016	3.0	\$ 2.7100	\$ 81,300		
231327 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	4/14/2016	3.0	\$ 2.7900	\$ 83,700		
232494 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	5/2/2016	4.0	\$ 2.9700	\$ 118,800		
235607 NG OTC Swap	HENRY HUB	Oct-17 MANDATORY	6/22/2016	3.0	\$ 3.0550	\$ 91,650		

Please note th:

92.0                   \$ 2,689,870

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
218204 NG OTC Swap	HENRY HUB	Nov-17 ACCELERATED	11/2/2015	77.0	\$ 2.8800	\$ 2,217,600		
218205 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	11/2/2015	9.0	\$ 2.8800	\$ 259,200		
218206 NG OTC Swap	HENRY HUB	Nov-17 DISCRETIONARY	11/2/2015	1.0	\$ 2.8800	\$ 28,800		
222042 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	12/16/2015	5.0	\$ 2.7425	\$ 137,125		
222044 NG OTC Swap	HENRY HUB	Nov-17 DISCRETIONARY	12/16/2015	1.0	\$ 2.7425	\$ 27,425		
224250 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	1/14/2016	5.0	\$ 2.8000	\$ 140,000		
224251 NG OTC Swap	HENRY HUB	Nov-17 DISCRETIONARY	1/14/2016	1.0	\$ 2.8000	\$ 28,000		
226911 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	2/22/2016	4.0	\$ 2.5650	\$ 102,600		
226912 NG OTC Swap	HENRY HUB	Nov-17 DISCRETIONARY	2/22/2016	1.0	\$ 2.5650	\$ 25,650		
229436 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	3/21/2016	4.0	\$ 2.7800	\$ 111,200		
231328 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	4/14/2016	4.0	\$ 2.8600	\$ 114,400		
233026 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	5/11/2016	4.0	\$ 2.9900	\$ 119,600		
233029 NG OTC Swap	HENRY HUB	Nov-17 DISCRETIONARY	5/11/2016	1.0	\$ 2.9900	\$ 29,900		
234470 NG OTC Swap	HENRY HUB	Nov-17 MANDATORY	6/3/2016	5.0	\$ 3.0510	\$ 152,550		

Please note th:

122.0                   \$ 3,494,050

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
220765 NG OTC Swap		HENRY HUB	Dec-17	ACCELERATED	12/2/2015	113.0	\$ 2.9850	\$ 3,373,050
220767 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	12/2/2015	12.0	\$ 2.9850	\$ 358,200
220768 NG OTC Swap		HENRY HUB	Dec-17	DISCRETIONARY	12/2/2015	1.0	\$ 2.9850	\$ 29,850
224250 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	1/14/2016	6.0	\$ 2.9160	\$ 174,960
224251 NG OTC Swap		HENRY HUB	Dec-17	DISCRETIONARY	1/14/2016	0.5	\$ 2.9160	\$ 14,580
226911 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	2/22/2016	6.0	\$ 2.7050	\$ 162,300
226912 NG OTC Swap		HENRY HUB	Dec-17	DISCRETIONARY	2/22/2016	1.0	\$ 2.7050	\$ 27,050
229436 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	3/21/2016	6.0	\$ 2.9100	\$ 174,600
231328 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	4/14/2016	6.0	\$ 3.0100	\$ 180,600
233026 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	5/11/2016	6.0	\$ 3.1150	\$ 186,900
234470 NG OTC Swap		HENRY HUB	Dec-17	MANDATORY	6/3/2016	6.0	\$ 3.2000	\$ 192,000

Please note th:

163.5                   \$ 4,874,090

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
223962 NG OTC Swap	HENRY HUB	Jan-18 ACCELERATED	1/11/2016	66.0	\$ 3.1050	\$ 2,049,300		
223963 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	1/11/2016	14.0	\$ 3.1050	\$ 434,700		
223964 NG OTC Swap	HENRY HUB	Jan-18 ACCELERATED	1/11/2016	67.0	\$ 3.1050	\$ 2,080,350		
226911 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	2/22/2016	7.0	\$ 2.7800	\$ 194,600		
226912 NG OTC Swap	HENRY HUB	Jan-18 DISCRETIONARY	2/22/2016	1.0	\$ 2.7800	\$ 27,800		
229436 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	3/21/2016	7.0	\$ 3.0100	\$ 210,700		
231328 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	4/14/2016	7.0	\$ 3.1100	\$ 217,700		
233026 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	5/11/2016	7.0	\$ 3.2400	\$ 226,800		
234470 NG OTC Swap	HENRY HUB	Jan-18 MANDATORY	6/3/2016	7.0	\$ 3.3160	\$ 232,120		

Please note th:

183.0      \$ 5,674,070

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
226213 NG OTC Swap		HENRY HUB	Feb-18	MANDATORY	2/10/2016	13.0	\$ 2.9700	\$ 386,100
226214 NG OTC Swap		HENRY HUB	Feb-18	ACCELERATED	2/10/2016	60.0	\$ 2.9700	\$ 1,782,000
226370 NG OTC Swap		HENRY HUB	Feb-18	ACCELERATED	2/11/2016	60.0	\$ 2.9390	\$ 1,763,400
226371 NG OTC Swap		HENRY HUB	Feb-18	DISCRETIONARY	2/11/2016	1.0	\$ 2.9390	\$ 29,390
229436 NG OTC Swap		HENRY HUB	Feb-18	MANDATORY	3/21/2016	6.0	\$ 3.0000	\$ 180,000
231328 NG OTC Swap		HENRY HUB	Feb-18	MANDATORY	4/14/2016	7.0	\$ 3.0920	\$ 216,440
233026 NG OTC Swap		HENRY HUB	Feb-18	MANDATORY	5/11/2016	6.0	\$ 3.2215	\$ 193,290
233029 NG OTC Swap		HENRY HUB	Feb-18	DISCRETIONARY	5/11/2016	1.0	\$ 3.2215	\$ 32,215
234470 NG OTC Swap		HENRY HUB	Feb-18	MANDATORY	6/3/2016	7.0	\$ 3.3010	\$ 231,070

Please note th:

161.0      \$ 4,813,905

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
228087 NG OTC Swap	HENRY HUB	Mar-18	MANDATORY	3/4/2016	11.0	\$ 2,8420	\$ 312,620	
228088 NG OTC Swap	HENRY HUB	Mar-18	ACCELERATED	3/4/2016	52.0	\$ 2,8420	\$ 1,477,840	
229751 NG OTC Swap	HENRY HUB	Mar-18	ACCELERATED	3/24/2016	52.0	\$ 2,9500	\$ 1,534,000	
231328 NG OTC Swap	HENRY HUB	Mar-18	MANDATORY	4/14/2016	6.0	\$ 3,0300	\$ 181,800	
232822 NG OTC Swap	HENRY HUB	Mar-18	MANDATORY	5/6/2016	6.0	\$ 3,1750	\$ 190,500	
232823 NG OTC Swap	HENRY HUB	Mar-18	DISCRETIONARY	5/6/2016	1.0	\$ 3,1750	\$ 31,750	
234470 NG OTC Swap	HENRY HUB	Mar-18	MANDATORY	6/3/2016	6.0	\$ 3,2120	\$ 192,720	

Please note th:

134.0                   \$ 3,921,230

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
230754 NG OTC Swap	HENRY HUB	Apr-18 MANDATORY	4/6/2016	7.0	\$ 2.7200	\$ 190,400		
230755 NG OTC Swap	HENRY HUB	Apr-18 ACCELERATED	4/6/2016	65.0	\$ 2.7200	\$ 1,768,000		
230756 NG OTC Swap	HENRY HUB	Apr-18 DISCRETIONARY	4/6/2016	1.0	\$ 2.7200	\$ 27,200		
233027 NG OTC Swap	HENRY HUB	Apr-18 MANDATORY	5/11/2016	3.0	\$ 2.8300	\$ 84,900		
233028 NG OTC Swap	HENRY HUB	Apr-18 DISCRETIONARY	5/11/2016	1.0	\$ 2.8300	\$ 28,300		
234471 NG OTC Swap	HENRY HUB	Apr-18 MANDATORY	6/3/2016	4.0	\$ 2.8730	\$ 114,920		

Please note th:

81.0                   \$ 2,213,720

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
232819 NG OTC Swap	HENRY HUB		May-18	DISCRETIONARY	5/6/2016	1.0	\$ 2.8700	\$ 28,700
232820 NG OTC Swap	HENRY HUB		May-18	ACCELERATED	5/6/2016	67.0	\$ 2.8700	\$ 1,922,900
232821 NG OTC Swap	HENRY HUB		May-18	MANDATORY	5/6/2016	7.0	\$ 2.8700	\$ 200,900
234471 NG OTC Swap	HENRY HUB		May-18	MANDATORY	6/3/2016	4.0	\$ 2.8550	\$ 114,200
234472 NG OTC Swap	HENRY HUB		May-18	DISCRETIONARY	6/3/2016	0.5	\$ 2.8550	\$ 14,275

Please note th:

79.5                   \$ 2,280,975

Transaction History								
Allegro Deal Key	Deal Type	Location	Month	Type	Transaction Date	No. of Contracts	Price	Total Purchase \$
235649 NG OTC Swap		HENRY HUB	Jun-18	ACCELERATED	6/22/2016	48.0	\$ 2,8750	\$ 1,380,000
235650 NG OTC Swap		HENRY HUB	Jun-18	MANDATORY	6/22/2016	5.0	\$ 2,8750	\$ 143,750
235651 NG OTC Swap		HENRY HUB	Jun-18	DISCRETIONARY	6/22/2016	1.0	\$ 2,8750	\$ 28,750

Please note th:

---



---



---

54.0                   \$ 1,552,500

Following trades are either over hedges or violate other strategy rules and are not incorporated in Incentive Calculation

COMMENT	Trade	Company	Trade Book	Trade Date	Position type	Trade Type	RI.Incentive Class	Beg time	End time	Quantity	Price	Value	Fee type	RI.Hedge Category
	179654	NARRAGANSETT	Supply NEC NG	9/12/2014	BUY	NG Future	8 month prior	9/1/2016	9/2/2016	0	484.84	\$485	BROKER FEE	ACCELERATED
	179654	NARRAGANSETT	Supply NEC NG	9/12/2014	BUY	NG Future	8 month prior	9/1/2016	10/1/2016	460,000	3.965	\$1,823,900		ACCELERATED
46 Contracts for Sep 2016 Accelerated hedges were purchased in error on 09/12/2014, upon discovery this position was unwound on 09/29/2014, resulting in a net gain of \$15,119 which will be credited to the customer. Since these are accelerated hedges there is no impact on the incentive calculation.	179654	NARRAGANSETT	Supply NEC NG	9/12/2014	BUY	NG Future	8 month prior	9/1/2016	10/1/2016	0	0	\$0		ACCELERATED
	180441	NARRAGANSETT	Supply NEC NG	9/29/2014	SELL	NG Future	8 month prior	9/1/2016	10/1/2016	0	0	\$0		ACCELERATED
	180441	NARRAGANSETT	Supply NEC NG	9/29/2014	SELL	NG Future	8 month prior	9/1/2016	10/1/2016	-460,000	4	-\$1,840,000		ACCELERATED
	180441	NARRAGANSETT	Supply NEC NG	9/29/2014	SELL	NG Future	8 month prior	9/1/2016	9/2/2016	0	496.34	\$496	BROKER FEE	ACCELERATED



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. McCUALEY  
ATTACHMENTS**

---

Attachment SAM-3

Natural Gas Portfolio Management Plan (NGPMP)  
Annual Report, April 2015 through March 2016



Jennifer Brooks Hutchinson  
Senior Counsel

June 2, 2016

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4038 – Revised National Grid Natural Gas Portfolio Management Plan  
Annual Report – April 1, 2015 to March 31, 2016**

Dear Ms. Massaro:

On behalf of National Grid,<sup>1</sup> enclosed are ten (10) copies of the Company's Annual Report of activity relating to the Natural Gas Portfolio Management Plan (NGPMP). This filing is also accompanied by a Motion for Protective Treatment in accordance with Rule 1.2(g) of the Rhode Island Public Utilities Commission's (PUC) Rules of Practice and Procedure and R.I.G.L. §38-2-2(4)(B). The Company seeks protection from public disclosure of the identities of certain companies in Attachments 2, 7, and 8 in order to protect their pricing information for delivered volumes that are identified in the report. Consequently and pursuant to PUC rules, the Company has provided the PUC with one copy of the confidential materials for its review, and has otherwise included redacted copies of the plan.

In this docket, the PUC approved the NGPMP, which implemented changes in the management of the Company's Rhode Island gas portfolio. These changes were designed to provide various financial, regulatory and risk management benefits over the asset management arrangement which it replaced. One of those benefits was to encourage the Company to minimize gas costs to customers by combining a least-cost dispatch with an asset optimization program designed to obtain the maximum value from the Rhode Island gas supply portfolio resources. As part of the NGPMP, the Company is required to file quarterly and annual reports in order to provide transparency in measuring the Company's performance.

This annual report covers the measurement year April 1, 2015 through March 31, 2016.

The enclosed report provides a Monthly Summary which calculates the savings achieved based on supporting data contained in Attachments 1 through 9. The Monthly Summary shows a savings for the period April 1, 2015 to March 31, 2016 from the optimization program of \$15,113,164.50. The \$1 million guarantee has been achieved with excess earnings of

---

<sup>1</sup> The Narragansett Electric Company d/b/a National Grid.

Luly E. Massaro, Commission Clerk  
NGPMP Annual Report  
June 2, 2016  
Page 2 of 2

\$14,113,164.50. The customer will receive \$11,290,531.60 of these excess earnings. The total Customer share is \$12,290,531.60. The Customers receive 100% of the Asset Management Agreement (AMA) revenue which is credited on the pipeline invoice and is no longer included in this report. The incentive to the Company is \$2,822,632.90.

On March 3, 2016, the Company filed modifications to the NGPMP as supplemented on March 21, 2016, and received approval on March 30, 2016. This modification will go into effect for the incentive year April 1, 2016 to March 31, 2017. The revenue sharing in this filing is the last year using the original methodology.

Also enclosed as part of this filing is a discussion of the Monthly Summary by section that describes the entries in the Monthly Summary and traces the entries in that report to the sources from which they are derived.

Thank you for your attention to this filing. Please contact me if you have any questions at 401-784-7288 or Stephen Mc Cauley at 516-545-5403.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4038 Service List  
Leo Wold, Esq.  
Steve Scialabba, Division

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

---

**Natural Gas Portfolio Management Plan**  
**Docket No. 4038**

---

**NATIONAL GRID'S REQUEST  
FOR PROTECTIVE TREATMENT OF CONFIDENTIAL INFORMATION**

National Grid<sup>1</sup> hereby requests that the Rhode Island Public Utilities Commission (PUC) provide confidential treatment and grant protection from public disclosure of certain confidential, competitively sensitive, and proprietary information submitted in this proceeding, as permitted by Commission Rule 1.2(g) and R.I.G.L. §38-2-2(4)(B). National Grid also hereby requests that, pending entry of that finding, the PUC preliminarily grant National Grid's request for confidential treatment pursuant to Rule 1.2 (g)(2).

**I. BACKGROUND**

On June 2, 2016, National Grid filed with the PUC its Annual Report of activity undertaken in pursuing the Natural Gas Portfolio Management Plan that was approved by the Commission in Order No. 19627. This filing includes information relative to the identity of companies that discloses the names of the suppliers and the prices paid for supplies purchased. These references occur in Attachment 2 (Flowing Transaction Deal), Attachment 7 (Realized Financial Transactions), and Attachment 8 (Mark to Market, as

---

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

of March 31, 2016). National Grid is seeking protective treatment with respect to the identities of those companies in order to protect the pricing information, which is competitively sensitive information.

## **II. LEGAL STANDARD**

The Commission's Rule 1.2(g) provides that access to public records shall be granted in accordance with the Access to Public Records Act (APRA), R.I.G.L. §38-2-1, *et seq.* Under APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a "public record," unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I.G.L. §38-2-2(4). Therefore, to the extent that information provided to the Commission falls within one of the designated exceptions to the public records law, the Commission has the authority under the terms of APRA to deem such information to be confidential and to protect that information from public disclosure.

In that regard, R.I.G.L. §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 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 Company v. Convention Center Authority, 774 A.2d 40 (R.I.2001).

The first prong of the test is satisfied when information is voluntarily 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 Company has redacted the names of the companies from which purchases were made in order to protect the pricing information for those companies. Were this information revealed, those companies could be harmed in future negotiations with other parties. Public dissemination of this type of information could disincline these and other companies to deal with National Grid or to provide National Grid with their lowest prices. Thus, the absence of confidential treatment would negatively influence National Grid's ability to negotiate with these and other similar companies and to receive least cost pricing.

### **IV. CONCLUSION**

Accordingly, the Company requests that the Commission grant protective treatment to those previously identified portions of its Natural Gas Portfolio Procurement Plan Annual Report.

**WHEREFORE**, the Company respectfully requests that the Commission grant its Motion for Protective Treatment as stated herein.

Respectfully submitted,

**NATIONAL GRID**

By its attorney,

A handwritten signature in blue ink that reads "Jennifer Brooks Hutchinson". The signature is fluid and cursive, with "Jennifer" and "Brooks" on the first line and "Hutchinson" on the second line.

---

Jennifer Brooks Hutchinson, Esq. (RI #6176)  
National Grid  
280 Melrose Street  
Providence, RI 02907  
401-784-7288

Dated: June 2, 2016

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4038  
Natural Gas Portfolio Management Plan Results  
2016 Annual Report  
Page 1 of 5

---

National Grid  
Natural Gas Portfolio Management Plan Report  
Plan Results for April 1, 2015 to March 31, 2016

## **Introduction**

In Docket 4038, the Rhode Island Public Utilities Commission ( PUC) approved a new approach to the management of the gas supply portfolio called the Natural Gas Portfolio Management Plan (NGPMP). One of the conditions included in that filing was a requirement that The Narragansett Electric Company (Company) file reports on the results of the Plan each quarter and annually, and that the filings provide sufficient detail and transparency for the PUC and the Rhode Island Division of Public Utilities and Carriers (Division) to determine the reasonableness and appropriateness of the costs associated with asset management transactions.

The PUC's order in this docket requires the Company to provide in the Annual Report the information suggested by the Division's consultant, Mr. Bruce Oliver, in his testimony. In addition to the detailed information on each optimization transaction included with each quarterly report, and also attached to this report, Mr. Oliver requested that annual reports contain information on the assignment of the Service Company costs associated with asset management activities allocated to the Company. The Company uses a cost causal allocation based on the number of customers in each jurisdiction to determine the allocation of labor for Energy Procurement personnel that provide services to multiple National Grid gas utilities. Based on this allocation method the Company's Gas Division's (NEC-Gas) customers' allocation increased from 7.22% to 7.36% in fiscal year 2016. The Energy Procurement FTE count did not change from last year's report.

The goal of the NGPMP is to minimize gas costs to customers by encouraging the Company to obtain as much value as possible from the Rhode Island gas supply portfolio assets. In order to measure the impact of the Company's efforts to optimize the value of the portfolio, the NGPMP establishes two benchmarks that exactly parallel the approach used in its past contracting for portfolio management services.

The first benchmark is built on the concept of least cost dispatch and focuses on the optimization of flowing supply. It provides that as the starting point for the management of flowing supplies, the Company will set up its dispatch of supply resources for each month and each day so that it utilizes the lowest cost flowing supplies available from its existing supply portfolio (Attachment 6).

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4038  
Natural Gas Portfolio Management Plan Results  
2016 Annual Report  
Page 2 of 5

---

The second benchmark is used to measure the effectiveness of the Company's efforts to minimize the cost of supply injected into storage. This benchmark has as its starting point the concept that storage will be filled based on uniform monthly injections over the full seven months of the injection season. To the extent the Company can reduce the cost of supplies injected into storage from that injection schedule it provides savings to customers. In order to be certain customers will benefit from the injection optimization transactions in spite of significant movements up or down in natural gas prices, the Company puts hedge positions in place to guarantee their effectiveness. These hedge positions cover price changes within the injection season and thus are short-term in nature and are also completely unrelated to the hedge positions utilized in the execution of the Gas Purchase Incentive Program.

### **Monthly Summary Report**

The report consists of a series of attachments that begins with the Monthly Summary Report (Attachment 1), which provides an overview of the results followed by additional attachments that provide detailed support for the information in the Monthly Summary Report. The Monthly Summary Report is divided into two sections: Section 1 shows the results from the Company's efforts to optimize flowing supply, while Section 2 shows the results from optimizing the purchase of gas injected into storage. Section 2 is, itself, divided into 3 parts with 2a showing the injection cost and 2b and 2c, showing the hedging results broken down into those that have been realized and those that will occur in the future and are, as yet, unrealized.

### **Section 1 Flowing Supply/Storage Withdrawals**

This Section shows the calculation of the savings to customers generated by the Company's optimization activities as it purchases supplies for delivery to the city gate. The calculation starts with the total actual cost of all flowing supplies for each month. That cost is subtracted from the sum of those purchases made to support sales to third parties as part of optimization transactions and the cost of supply for customers calculated using the least cost dispatch for the monthly and daily supplies delivered to the Rhode Island gas system. This difference is the savings generated by the optimization transactions executed during each month as flowing supplies were purchased and sales were made to third parties to generate revenues.

The costs for each supply purchase are the actual delivered costs including both the supply acquisition cost and any pipeline related charges for the volumes purchased during the month. The purchases included in the actual delivered cost are both the supplies

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4038  
Natural Gas Portfolio Management Plan Results  
2016 Annual Report  
Page 3 of 5

---

needed to support third party sales and the gas supplies delivered to the city gate for the firm sales customers. As part of the optimization process, the Company purchases supplies to reduce overall costs and it is common for specific supply purchases to be used to meet a different need than that for which they were initially purchased. For instance volumes that were purchased to meet a third party sale may have been injected into storage if that resulted in a lower overall cost for all supply purchases. When the schedulers transport the purchase volumes to meet the various demands, such as storage injections, baseload, swing or sales, they look to move the volumes most efficiently. The Actual Flowing Cost also includes any storage withdrawals delivered to the firm customers at the delivered weighted average cost of supply (WACOG) based on the benchmark dispatch.

The actual flowing supply costs are listed by transaction on the Flowing Transaction Detail Report (Attachment 2). Third Party sales are the aggregate monthly sales volume and revenue associated with sales off system. The revenue for each deal is also listed in the Flowing Transaction Deal Report.

The Flowing Transaction Deal (FTD) Report shows for each month all gas purchases and storage withdrawals. In the March section of the report the total 3,668,142 dekatherms and \$5,005,486.14 of purchases are shown as the total for the month of March and can also be found in the Monthly Summary Report under the Actual Flowing Cost for Mar-16.

The report shows city-gate purchases, those purchases entered into as part of optimization transactions and any storage withdrawals. It ties directly to the Company's booked gas cost payable amount. The second part of the FTD Report for March shows the revenue from off-system sales, which is also shown on the Monthly Summary Report under the 3rd Party Sales column.

The Customer Cost, or dispatch cost, is calculated as the product of the price and volume received each day by the firm sales customers based on the least cost dispatch structure. The cost of the supplies for customers for each day is shown in the attached Customer Transaction Summaries (Attachment 3) for the months of April 2015 through March 2016. For example, the volume and cost shown in the Customer Cost section of Attachment 1 for April 2015 are from Attachment 3, which shows that the total delivered volume was 2,104,698 DT, and the total delivered cost was \$4,040,044.33. The detail provided in the Customer Transaction Summaries includes the price and volume by delivering pipeline with a breakdown into baseload purchases, swing purchases and storage withdrawals.

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4038  
Natural Gas Portfolio Management Plan Results  
2016 Annual Report  
Page 4 of 5

---

### **Section 2a** Storage Injections

This section shows the actual storage costs and volumes based on the optimized storage fill and the benchmark inventory cost based on the planned storage fill using a ratable, one-seventh per month approach as has been used in past asset management arrangements. The costs for the purchase of supply for injection are the average delivered costs for the volumes purchased during the month and scheduled to be injected into the storage fields. Similar to the flowing costs, the volumes purchased and scheduled for injection may not be the specific volumes purchased for injection. The average cost of injections into the storage fields is shown on the Storage Injection Transaction Deal report (Attachment 4).

The Customer Inventory Cost is the monthly ratable injection volume and price. It is the benchmark for measurement of the savings to customers from optimized storage fill. Attachment 5 lists the actual and Customer and Inventory Costs by storage field.

### **Section 2b** Realized Hedging Impact on Storage Transactions

Realized hedging gains/losses are calculated based on the final monthly settlements of any financial transactions that were used to hedge forward transactions designed to lock in cost savings for supplies injected into storage. These gains or losses are separated here but are already included in actual costs in Section 1. The realized financial transactions are listed in Attachment 7.

### **Section 2c** Unrealized Hedging Impact on Storage Transactions

Unrealized activity represents the results of the forward transactions that have not been financially settled or physically delivered. At the end of the fiscal year the unrealized Mark to Market (MTM) value, as calculated on March 31, 2015, was booked to earnings for the April 2014 through March 2015 period. As this fixed unrealized value, as of March 31, 2015, was realized in the April 2015 through March 2016 period it was reversed from the April 2015 through March 2016 earnings so that it was not double-counted. This value was \$385,871.71 and was recovered over the course of the April 2015 to March 2016 fiscal year. The storage long/short position is the gas withdrawn from storage that was not needed by the firm sales customers and purchased for injections later in the year. The MTM is the mark to market position of the financial and physical transactions that were executed to lock in savings (Attachment 8). The Physical Storage Value is the difference in the inventory cost of the actual inventory and the Benchmark inventory (Attachment 5). The Forward Storage Value is the forecasted value to replace

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4038  
Natural Gas Portfolio Management Plan Results  
2016 Annual Report  
Page 5 of 5

---

the storage supply sold. These forward values are priced based on the forward markets. The cost of collateral on the settled derivative positions is calculated to adjust the realized gains by the carry costs associated with financial storage hedges. The posted collateral associated with trading clearport futures is added into the cost of carry calculation at the monthly money pool rate (Attachment 9). The total unrealized value is the net value of the future activity, financial hedges, cost of excess gas in storage and expected forward value at market prices, adjusted for the earnings already booked in the previous contract year.

### **Position and Margin Sharing**

The last section on the Monthly Summary Report is a calculation of the total savings to customers under the Plan and any incentive earned by the Company. This total is the sum of the Savings from Section 1 and the Total Unrealized value shown at the end of Section 2c. Any realized savings from storage activity is embedded in the Section 1 flowing supply activity which includes the impact of any optimization hedges for months where the NYMEX contract has closed.

The final value of the savings from all optimization transactions, as shown on page 2 is \$15,113,164.50. This value is \$14,113,164.50 more than the \$1,000,000 guaranteed to customers. This amount of savings would be split with the customer's receiving \$11,290,531.60, plus the \$1,000,000 guaranteed amount and the Company receiving \$2,822,632.90. The total Customer share is \$12,290,531.60.

Attachment 1  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 1 of 2

**Narragansett Monthly Summary**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

**1) FLOWING SUPPLY /STORAGE WITHDRAWAL**

Month	Actual Flowing Cost		3rd Party Sales		Customer Costs		Earnings
	VOLUME	\$	VOLUME	\$	VOLUME	\$	
Apr-15	2,859,887	\$ 4,984,611.10	755,189	\$ 2,241,086.17	2,104,698	\$ 4,040,044.33	\$ 1,296,519.40
May-15	2,284,464	\$ 3,677,103.64	1,420,582	\$ 3,270,229.70	863,882	\$ 1,365,292.20	\$ 958,418.26
Jun-15	1,956,364	\$ 2,961,871.18	1,252,647	\$ 2,363,686.71	703,717	\$ 1,114,675.93	\$ 516,491.46
Jul-15	2,222,437	\$ 3,047,397.60	1,615,584	\$ 3,929,162.36	606,853	\$ 860,385.34	\$ 1,742,150.11
Aug-15	2,327,432	\$ 3,439,453.51	1,740,295	\$ 4,458,411.12	587,137	\$ 840,246.40	\$ 1,859,204.01
Sep-15	1,705,452	\$ 2,438,457.89	1,149,449	\$ 3,291,194.94	556,003	\$ 769,762.76	\$ 1,622,499.81
Oct-15	2,643,078	\$ 3,774,138.93	1,334,100	\$ 3,883,721.61	1,308,978	\$ 2,126,123.07	\$ 2,235,705.76
Nov-15	2,890,787	\$ 4,452,919.03	739,071	\$ 2,031,620.74	2,151,716	\$ 3,489,853.62	\$ 1,068,555.33
Dec-15	3,654,566	\$ 5,890,454.20	1,063,905	\$ 2,014,915.95	2,590,661	\$ 5,083,483.38	\$ 1,207,945.13
Jan-16	4,488,498	\$ 10,022,875.40	41,928	\$ 308,340.20	4,446,570	\$ 10,111,234.03	\$ 396,698.84
Feb-16	4,102,222	\$ 7,825,809.10	358,269	\$ 1,110,673.79	3,743,953	\$ 7,786,951.40	\$ 1,071,816.09
Mar-16	3,668,142	\$ 5,005,486.14	732,336	\$ 1,059,200	2,935,806	\$ 4,504,085	\$ 557,798.38
<b>Total</b>	<b>34,803,328</b>	<b>\$ 57,520,577.72</b>	<b>12,203,355</b>	<b>\$ 29,962,242.90</b>	<b>22,599,974</b>	<b>\$ 42,092,137.39</b>	<b>\$ 14,533,802.56</b>

**2a) STORAGE INJECTION**

Month	Actual Storage Costs			Customer Inventory Costs		
	VOLUME	\$		VOLUME	\$	
Apr-15	473,966	\$ 807,036.24		459,075	\$ 767,298.82	
May-15	575,625	\$ 932,618.49		411,060	\$ 654,386.73	
Jun-15	496,517	\$ 753,070.47		398,301	\$ 658,574.86	
Jul-15	541,913	\$ 746,786.10		398,381	\$ 595,047.52	
Aug-15	520,012	\$ 759,877.26		396,614	\$ 599,236.78	
Sep-15	(482,439)	\$ (633,594.84)		386,070	\$ 562,710.59	
Oct-15	(353,903)	\$ (452,740.18)		370,171	\$ 546,716.55	
Nov-15	(213,441)	\$ (286,662.31)		73,183	\$ 102,687.49	
Dec-15	(262,762)	\$ (387,285.60)		94,176	\$ 163,356.82	
Jan-16	(98,582)	\$ (206,207.46)		73,595	\$ 108,679.01	
Feb-16	(136,951)	\$ (235,334.03)		107,229	\$ 165,476.05	
Mar-16	(176,630)	\$ (205,214.09)		97,420	\$ 105,410.67	
<b>Total</b>	<b>883,325</b>	<b>\$ 1,592,350.06</b>		<b>3,265,275</b>	<b>\$ 5,029,581.89</b>	<b>(b)</b>

**Narragansett Monthly Summary**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

**2b) REALIZED HEDGING**

Month	Hedging Gain/(Loss)*
Apr-15	\$ 31,770.00
May-15	\$ (11,558.00)
Jun-15	\$ (152,915.06)
Jul-15	\$ (57,031.22)
Aug-15	\$ (91,248.82)
Sep-15	\$ (134,727.18)
Oct-15	\$ (4,136.09)
Nov-15	\$ (2,231.07)
Dec-15	\$ -
Jan-16	\$ 76,880.00
Feb-16	\$ -
Mar-16	\$ -
Total	\$ (345,197.44) .(c)

\* Realized hedging gains and losses are included monthly in 3rd party sales dollars

**2c) UNREALIZED ACTIVITY**

Storage position long/(short) (dt)	331,723	
Contract Year 2014-2015 Value Booked to Earnings ( MTM at 3/31/2015 )		\$ 385,871.71 (d)
MTM as of March 31, 2016		\$ 27,543.95 (e)
Physical Storage Value as of March 31, 2016		\$ (299,094.43) (f)
Forward Storage Value (purchase)/sale		\$ 491,804.87 (g)
Carry Cost Estimate and Cost of Collateral -Mar 2016		\$ (26,764.16) (h)

**TOTAL UNREALIZED VALUE**

\$ 579,361.94 (i)

**TOTAL REALIZED AND UNREALIZED VALUE**

\$ 15,113,164.50 (j)

**MARGIN SHARING**

Customer Guarantee	\$ 1,000,000.00	(k)
Customer Excess Earnings (excludes AMA revenue)	\$ 11,290,531.60	(l)
National Grid Incentive (excludes AMA revenue)	\$ 2,822,632.90	(m)
Customer Total Value (excludes AMA revenue)	\$ 12,290,531.60	(n)

**Footnotes:**

- (a) Total to date realized cost and revenue, Attachment 2 and 3
- (b) Total to date storage costs, included in (a)
- (c) Total to date realized financial transaction settlements, included in (a), Attachment 7
- (d) March 31, 2015 MTM booked in FY15
- (e) Detail in Attachment 8
- (f) Detail in Attachment 5
- (g) Forward storage value estimate
- (h) Detail in Attachment 9
- (i) equals the sum of (d) through (h)
- (j) equals the sum of (a) and (i)
- (k) Guarantee
- (l) equals (j) - (k) times 80%
- (m) equals (j) - (k) times 20%
- (n) equals (k) + (l)

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED VOLUME DELIVERED	ACTUAL EXPENSE \$	MARGIN \$
				VOL		VOL	
<b>JANUARY</b>							
1/1/2016			212893		84,697	431,380.32	
1/1/2016			222339		407,052	532,282.40	
1/1/2016			222340		113,688	302,545.74	
1/1/2016			223257		38,086	57,330.00	
1/1/2016			223361		11,800	17,753.60	
1/1/2016			223498		11,800	15,991.72	
1/1/2016			223581		11,797	16,508.56	
1/1/2016			223683		3,593	5,078.25	
1/1/2016			223684		1,375	1,943.46	
1/1/2016			223685		2,099	2,965.97	
1/1/2016			223896		2,060	3,402.11	
1/1/2016			223897		1,374	2,269.14	
1/1/2016			223898		2,097	3,463.00	
1/1/2016			223977		8,330	13,476.88	
1/1/2016			223978		1,374	2,223.12	
1/1/2016			223979		2,097	3,392.77	
1/1/2016			224113		7,463	14,130.30	
1/1/2016			224107		8,336	12,192.02	
1/1/2016			224198		1,375	2,007.18	
1/1/2016			224199		2,099	3,063.22	
1/1/2016			224451		11,802	19,427.20	
1/1/2016			224563		11,801	20,308.87	
1/1/2016			224621		35,409	60,744.21	
1/1/2016			224772		2,328	3,670.59	
1/1/2016			224773		1,961	3,091.41	
1/1/2016			224778		8,340	12,624.36	
1/1/2016			225048		1,371	2,075.64	
1/1/2016			222451		1,967	3,547.31	
1/1/2016			222452		2,259	2,722.25	
1/1/2016			223384		36,122	43,676.58	
1/1/2016			223533		5,427	8,855.05	
1/1/2016			224684		8,548	10,971.53	
1/1/2016			22484		340,848	460,266.84	
1/1/2016			223254		30,107	45,619.52	
1/1/2016			223358		3,427	5,188.88	
1/1/2016			223359		4,887	11,425.00	
1/1/2016			223496		5,574	8,920.51	
1/1/2016			223578		9,779	15,100.00	
1/1/2016			223878		9,769	14,760.01	
1/1/2016			223771		31,658	48,276.00	
1/1/2016			223892		9,779	17,000.00	
1/1/2016			223974		9,779	16,650.01	
1/1/2016			224089		8,597	12,936.00	
1/1/2016			224193		9,769	14,900.00	
1/1/2016			224288		27,378	50,820.04	
1/1/2016			224369		6,357	12,090.00	
1/1/2016			224448		6,357	11,017.51	
1/1/2016			224561		6,357	11,732.51	
1/1/2016			224623		26,109	48,060.00	
1/1/2016			224771		5,768	9,233.51	
1/1/2016			224936		4,890	8,600.00	
1/1/2016			225044		9,777	16,950.01	
1/1/2016			225191		29,333	44,250.03	
1/1/2016			224450		4,328	7,898.40	
1/1/2016			224564		4,328	7,898.40	
1/1/2016			224624		12,986	23,037.00	
1/1/2016			224776		2,956	5,001.65	
1/1/2016			224777		1,371	2,319.63	
1/1/2016			224869		4,327	6,976.92	
1/1/2016			225048		4,326	7,196.32	
1/1/2016			225104		12,684	17,637.70	
1/1/2016			222338		116,164	313,103.70	
1/1/2016			222608		805,181	1,366,107.12	
1/1/2016			223290		4,263	6,772.52	
1/1/2016			223362		2,916	6,607.35	
1/1/2016			223385		1,066	2,058.63	
1/1/2016			223532		1,065	1,698.50	
1/1/2016			223593		1,065	1,827.50	
1/1/2016			223599		6,550	9,468.03	
1/1/2016			223687		1,066	1,881.25	
1/1/2016			223688		2,997	4,177.26	
1/1/2016			223815		3,197	5,805.00	
1/1/2016			223946		1,065	2,203.75	
1/1/2016			224016		1,066	2,112.38	
1/1/2016			224125		6,396	12,674.27	
1/1/2016			224129		10,827	16,398.00	
1/1/2016			224339		1,066	2,069.38	
1/1/2016			224347		10,829	15,851.40	
1/1/2016			224452		1,067	2,526.25	
1/1/2016			224468		10,833	15,523.44	
1/1/2016			224531		5,433	9,936.25	
1/1/2016			224533		1,067	2,526.25	
1/1/2016			224635		3,195	7,749.00	
1/1/2016			224648		16,272	28,292.28	
1/1/2016			224810		1,066	2,526.25	
1/1/2016			224811		5,480	9,183.12	
1/1/2016			224812		5,037	7,560.00	
1/1/2016			224954		1,066	2,311.25	
1/1/2016			224955		10,829	15,086.16	
1/1/2016			225087		1,067	2,311.25	
1/1/2016			225092		5,433	9,074.37	
1/1/2016			225223		3,198	6,772.50	
1/1/2016			225224		16,286	24,673.50	
1/1/2016			214418		15,183	84,600.00	
1/1/2016			224254		4,528	8,653.75	
1/1/2016			225091		6,562	9,401.82	
1/1/2016			223682		4,743	6,703.29	
1/1/2016			224092		2,096	3,025.40	
1/1/2016			224372		11,801	20,825.71	
1/1/2016			224412		373	697.23	
1/1/2016			224496		9,539	14,850.00	
1/1/2016			223335		4,887	11,450.00	
1/1/2016			224935		117,988	19,731.22	
1/1/2016			223256		16,957	26,775.00	
1/1/2016			223258		10,518	15,397.92	
1/1/2016			223355		2,283	3,680.85	
1/1/2016			223386		10,821	16,944.60	
1/1/2016			223493		4,328	6,647.82	
1/1/2016			223571		4,326	6,713.64	
1/1/2016			223677		4,331	6,911.10	
1/1/2016			223895		4,328	7,722.88	
1/1/2016			223952		10,818	17,163.24	
1/1/2016			223980		4,328	8,841.82	
1/1/2016			224091		4,327	7,306.02	
1/1/2016			224195		4,331	7,130.50	

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 15 of 86

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 2 of 9

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED VOLUME REVENUE	ACTUAL EXPENSE \$	MARGIN VOL \$
1/1/2016			224290		17,318	38,865.44	
1/1/2016			224371		4,328	10,705.72	
1/1/2016			224538		10,855	15,851.40	
1/1/2016			224953		502	1,700.00	
1/1/2016			224903		6,231	8,990.80	
1/1/2016			224094		1,374	1,982.40	
1/1/2016			224095		2,096	3,025.40	
1/1/2016			223774		3,340	4,840.53	
1/1/2016			223775		5,054	7,323.54	
1/1/2016			223776		8,438	12,164.07	
1/1/2016			223777		8,330	12,103.44	
1/1/2016			223778		42	60.63	
1/1/2016			224282		3,434	5,891.28	
1/1/2016			224283		8,388	14,387.19	
1/1/2016			224284		24,996	42,941.46	
1/1/2016			224285		4,123	7,083.54	
1/1/2016			224286		6,293	10,810.41	
1/1/2016			223176		39,045	60,366.78	
1/1/2016			223495		11,740	18,789.39	
1/1/2016			223579		7,535	12,406.66	
1/1/2016			223679		7,526	12,522.25	
1/1/2016			223772		20,246	34,495.47	
1/1/2016			223893		7,535	15,026.70	
1/1/2016			223895		7,534	14,756.99	
1/1/2016			224060		8,998	15,935.50	
1/1/2016			224194		7,526	13,254.32	
1/1/2016			224289		41,873	84,149.16	
1/1/2016			224370		10,957	21,627.58	
1/1/2016			224449		10,957	20,338.89	
1/1/2016			224562		10,957	21,011.25	
1/1/2016			224622		25,828	49,401.66	
1/1/2016			224774		11,542	19,893.11	
1/1/2016			224937		12,424	22,487.85	
1/1/2016			225045		7,533	13,446.97	
1/1/2016			225192		22,601	35,254.95	
1/1/2016			216868		31,217	85,063.38	
1/1/2016			218422		111,599	555,991.20	
1/1/2016			223531		5,425	7,840.69	
1/1/2016			223588		5,424	8,361.58	
1/1/2016			223686		5,429	8,334.16	
1/1/2016			223801		16,326	27,264.26	
1/1/2016			223843		5,425	9,869.40	
1/1/2016			224003		5,429	9,458.18	
1/1/2016			224014		10,825	18,300.00	
1/1/2016			224122		10,863	17,052.13	
1/1/2016			224200		5,173	7,659.00	
1/1/2016			224261		2,377	4,304.41	
1/1/2016			224262		3,071	5,537.58	
1/1/2016			224263		16,276	29,525.97	
1/1/2016			224338		5,430	9,266.27	
1/1/2016			224467		5,432	9,841.99	
1/1/2016			224942		5,431	8,937.29	
1/1/2016			225047		9,700	15,950.00	
1/1/2016			225225		6,552	9,600.45	
1/1/2016			225226		4,384	6,420.60	
1/1/2016			225373		2,472	4,680.00	
1/1/2016			216278		54,997	760,970.00	
1/1/2016			216324		93,000	635,190.00	
1/1/2016			223816		10,817	18,037.80	
1/1/2016			223681		364	565.79	
1/1/2016			223291		21,711	33,665.64	
1/1/2016			225151		20,420	28,822.50	
1/1/2016			223255		37,285	56,100.27	
1/1/2016			223653		4,378	10,623.70	
1/1/2016			223654		4,739	11,510.00	
1/1/2016			223890		9,175	13,003.27	
1/1/2016			223891		4,329	7,136.10	
1/1/2016			224111		9,397	19,238.00	
1/1/2016			225049		4,137	6,685.84	
1/1/2016			223334		977	2,285.00	
1/1/2016			223336		3,128	7,304.00	
1/1/2016			223360		2,444	5,287.50	
1/1/2016			223497		9,967	20,587.84	
1/1/2016			223580		9,967	20,893.60	
1/1/2016			223773		13,887	33,317.76	
1/1/2016			223894		9,967	22,524.32	
1/1/2016			223976		9,966	21,046.48	
1/1/2016			224287		39,864	76,682.24	
1/1/2016			224368		9,967	19,262.88	
1/1/2016			224447		9,967	19,008.08	
1/1/2016			224560		9,967	19,415.76	
1/1/2016			224620		29,897	57,788.64	
1/1/2016			224775		9,964	18,804.24	
1/1/2016			224938		9,967	19,772.48	
1/1/2016			225043		9,964	19,772.48	
1/1/2016			225188		14,816	27,805.77	
1/1/2016			225190		5,026	9,433.74	
1/1/2016					(98,582)	(214,670.51)	
1/1/2016					(9,939)	(21,642.64)	
1/1/2016					(225)	(489.96)	
1/1/2016		Commodity pipeline charges				248,171.65	
			Sub-Total		3,744,800	8,402,785.62	
			OBA				
			ESTIMATE				
			STORAGE WITHDRAWAL (DELIVERED) INCLUSIVE OF LIFTING CHARGES		743,698	1,621,188.17	
			SUB-TOTAL		4,488,498	10,023,973.79	

1/1/2016	[REDACTED]	224780	8,609	33,489.01
1/1/2016	[REDACTED]	225195	5,000	11,225.00
1/1/2016	[REDACTED]	225374	2,577	7,473.30
1/1/2016	[REDACTED]	223823	3,201	9,603.00
1/1/2016	[REDACTED]	224817	5,000	16,250.00
1/1/2016	[REDACTED]	225138	4,000	13,000.00

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 16 of 86

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 3 of 9

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED VOLUME DELIVERED	ACTUAL EXPENSE \$	MARGIN \$
				REVENUE	VOL		
2/1/2016			227248	4,289	4,895.16		
2/1/2016			214418	28,633	195,724.43		
2/1/2016			226360	6,937	9,800.00		
2/1/2016			226070	3,006	8,349.00		
2/1/2016			225418	2,624	3,688.23		
2/1/2016			225866	2,624	3,181.61		
2/1/2016			225685	2,551	3,566.15		
2/1/2016			225799	3,996	5,734.31		
2/1/2016			225878	11,960	16,626.60		
2/1/2016			225635	9,742	14,224.08		
2/1/2016			227119	5,340	7,489.80		
2/1/2016			225814	6,426	9,642.11		
2/1/2016			227249	6,535	7,590.00		
2/1/2016			225730	4,988	7,061.60		
2/1/2016			225852	4,742	8,322.60		
2/1/2016			225248	3,884	5,740.01		
2/1/2016			226944	2,622	2,700.00		
2/1/2016			227043	3,982	4,212.77		
2/1/2016			225291	1,264	2,060.64		
2/1/2016			225292	8,488	13,839.36		
2/1/2016			225423	14,297	21,557.55		
2/1/2016			225570	2,396	3,220.11		
2/1/2016			225571	3,432	4,417.90		
2/1/2016			226097	13,441	20,344.23		
2/1/2016			226088	2,852	4,415.24		
2/1/2016			225801	12,498	19,788.37		
2/1/2016			225881	23,467	36,160.65		
2/1/2016			226019	18,449	31,036.23		
2/1/2016			226113	9,764	18,000.00		
2/1/2016			226238	12,711	26,193.00		
2/1/2016			226323	18,384	37,224.00		
2/1/2016			226413	30,162	58,298.94		
2/1/2016			226414	30,159	58,298.94		
2/1/2016			226498	13,559	21,493.85		
2/1/2016			226576	22,336	37,044.54		
2/1/2016			226710	9,782	15,274.40		
2/1/2016			226819	27,238	37,611.00		
2/1/2016			226820	14,029	19,368.45		
2/1/2016			226891	12,808	18,543.58		
2/1/2016			227001	2,227	2,611.75		
2/1/2016			227002	8,751	10,262.64		
2/1/2016			227004	9,395	11,066.45		
2/1/2016			227079	7,944	9,631.68		
2/1/2016			227080	8,347	10,121.09		
2/1/2016			227154	21,872	29,413.93		
2/1/2016			227417	5,006	5,546.72		
2/1/2016			216868	4,309	4,753.65		
2/1/2016			226105	29,136	70,861.52		
2/1/2016			226230	1,066	2,042.50		
2/1/2016			226359	1,066	2,257.50		
2/1/2016			226503	1,067	2,687.50		
2/1/2016			226518	4,260	10,335.00		
2/1/2016			226628	1,066	1,988.75		
2/1/2016			226747	1,066	1,935.00		
2/1/2016			226806	3,198	5,482.50		
2/1/2016			226858	1,066	1,827.50		
2/1/2016			227244	1,066	1,720.00		
2/1/2016			218423	104,081	501,015.60		
2/1/2016			225463	6,420	10,354.74		
2/1/2016			225541	1,433	1,956.15		
2/1/2016			225716	6,434	9,577.18		
2/1/2016			225803	1,638	3,000.54		
2/1/2016			225921	19,280	27,900.66		
2/1/2016			225996	6,432	9,669.36		
2/1/2016			226103	6,430	10,120.08		
2/1/2016			226222	6,427	10,194.01		
2/1/2016			226351	32,134	61,813.36		
2/1/2016			226361	3,897	5,504.80		
2/1/2016			226508	6,430	9,771.97		
2/1/2016			226615	6,430	9,284.99		
2/1/2016			226739	6,427	9,349.92		
2/1/2016			226802	19,285	25,296.65		
2/1/2016			226822	9,698	12,912.64		
2/1/2016			226857	6,431	8,603.23		
2/1/2016			226861	3,387	4,034.42		
2/1/2016			226892	3,999	4,972.49		
2/1/2016			226984	6,006	6,960.95		
2/1/2016			226985	436	506.00		
2/1/2016			227005	3,344	3,821.40		
2/1/2016			227006	1,012	1,519.15		
2/1/2016			227088	6,449	7,694.23		
2/1/2016			227155	6,058	7,226.27		
2/1/2016			227182	9,615	13,114.40		
2/1/2016			227233	6,428	7,979.39		
2/1/2016			227406	5,533	5,589.10		
2/1/2016			227416	12,014	11,550.99		
2/1/2016			227421	13,388	14,589.12		
2/1/2016			227432	19,335	23,667.01		
2/1/2016			227454	10,828	14,211.60		
2/1/2016			227455	1,694	2,223.00		
2/1/2016			216278	20,227	142,692.50		
2/1/2016			216324	87,000	405,420.00		
2/1/2016			225464	1,065	1,988.75		
2/1/2016			225731	1,067	1,773.75		
2/1/2016			227419	12,219	12,456.00		
2/1/2016			227394	4,869	5,000.00		
2/1/2016			227405	2,922	3,000.00		
2/1/2016			225294	3,495	4,959.65		
2/1/2016			225424	2,390	3,222.40		
2/1/2016			225572	3,480	4,253.66		
2/1/2016			225684	5,057	7,212.80		
2/1/2016			225802	2,126	3,157.35		
2/1/2016			225877	29,864	56,871.36		
2/1/2016			226018	9,966	20,333.04		
2/1/2016			226236	9,966	19,466.72		
2/1/2016			226321	9,966	19,635.55		
2/1/2016			226411	9,964	75,420.80		
2/1/2016			226415	3,193	6,352.38		
2/1/2016			226496	9,965	17,377.36		
2/1/2016			226706	9,954	16,616.80		
2/1/2016			226817	29,896	49,456.68		
2/1/2016			226888	9,961	16,816.80		
2/1/2016			227077	9,961	16,179.80		
2/1/2016			227152	9,966	16,001.44		
2/1/2016			227411	29,794	44,335.20		
2/1/2016							
2/1/2016							
2/1/2016							
2/1/2016							

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 18 of 86

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 5 of 9

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	REVENUE	PURCHASED VOLUME DELIVERED	ACTUAL EXPENSE \$	MARGIN VOL \$
		Storage Injections				(136,951)	(246,840.09)	
		Enduse and Sendout Adjustments				(3,529)	(6,360.65)	
		Misc Adjust				(3,485)	(6,281.88)	
		Commodity pipeline charges					227,037.98	
				Sub-Total		3,554,085	6,632,909.97	
		OBA ESTIMATE						
		STORAGE WITHDRAWAL (DELIVERED) INCLUSIVE OF LIFTING CHARGES				548,137	1,192,253.25	
		SUB-TOTAL				4,102,222	7,825,163.22	
2/1/2016		227015		5,000	7,925.01			
2/1/2016		225403		4,100	8,692.00			
2/1/2016		225405		2,200	4,664.00			
2/1/2016		227405		13,805	21,552.75			
2/1/2016		225298		5,000	11,512.50			
2/1/2016		225299		4,100	9,225.00			
2/1/2016		225426		1,000	2,180.00			
2/1/2016		225581		3,000	5,730.00			
2/1/2016		225584		3,500	6,825.00			
2/1/2016		225630		5,000	10,750.00			
2/1/2016		225631		10,000	21,500.00			
2/1/2016		225689		12,500	23,562.50			
2/1/2016		226416		30,000	75,000.00			
2/1/2016		226674		2,000	6,200.00			
2/1/2016		226823		5,400	8,640.00			
2/1/2016		226825		10,000	17,000.00			
2/1/2016		227012		4,000	6,640.00			
2/1/2016		227013		2,000	3,300.00			
2/1/2016		227073		11,510	19,336.80			
2/1/2016		227116		5,500	9,625.00			
2/1/2016		228814		3,201	6,400.00			
2/1/2016		228849		5,000	13,750.00			
2/1/2016		225249		2,500	5,025.00			
2/1/2016		225404		2,500	5,300.00			
2/1/2016		225488		2,500	4,762.50			
2/1/2016		225410		5,000	10,500.00			
2/1/2016		225467		1,067	2,240.70			
2/1/2016		227010		5,000	8,750.00			
2/1/2016		227011		1,500	2,625.00			
2/1/2016		225406		1,200	2,544.00			
2/1/2016		226824		22,510	33,765.00			
2/1/2016		227014		2,500	4,375.00			
2/1/2016		227407		25,200	34,398.00			
2/1/2016		225853		5,000	10,750.00			
2/1/2016		225333		1,000	2,450.00			
2/1/2016		225615		5,000	9,250.00			
2/1/2016		226921		5,000	8,375.00			
2/1/2016		227370		15,000	24,000.00			
2/1/2016		225491		5,000	10,000.00			
2/1/2016		225629		5,000	11,250.00			
2/1/2016		227085		1,000	1,700.00			
2/1/2016		227096		5,000	8,500.00			
2/1/2016		225334		5,000	12,750.00			
2/1/2016		225600		5,000	9,750.00			
2/1/2016		225601		1,067	2,089.65			
2/1/2016		225733		1,067	2,027.30			
2/1/2016		225734		5,000	9,500.00			
2/1/2016		225735		5,000	9,250.00			
2/1/2016		225736		1,436	2,656.60			
2/1/2016		225427		3,500	7,420.00			
2/1/2016		225582		8,346	15,940.86			
2/1/2016		225583		13,657	26,631.15			
2/1/2016		225585		3,400	6,460.00			
2/1/2016		225690		8,093	15,174.38			
2/1/2016		226934		3,200	5,232.00			
2/1/2016		227016		12,800	21,120.00			
2/1/2016		226937		2,100	3,465.00			
2/1/2016		225691		4,000	7,000.00			
2/1/2016		227017		1,310	3,275.00			
2/1/2016		225260		7,900	17,775.00			
			Sub-Total	358,269	678,680.70			
		CAPACITY RELEASE OSS			0.00			
		Off System Sales Revenue-PPA PPA-OPTIMIZATION			431,993.09			
		HEDGING GAIN/LOSS						
		Total 3rd Party Sales		358,269	1,110,673.79			
		PROXY GAS COST RECOVERY		3,743,953	7,786,951.40			
		STORAGE CARRY ADJUSTMENT				645.88		
		FINAL CLOSE TOTAL		4,102,222	8,897,625.19	4,102,222	7,825,809.10	0.00 1,071,816.09
MARCH								
3/1/2016		229612			1,192	1,545.00		
3/1/2016		226979			456,663	441,791.54		
3/1/2016		227625			7,823	10,480.54		
3/1/2016		227815			9,779	11,850.00		
3/1/2016		227925			9,779	12,150.00		
3/1/2016		228201			9,765	9,400.00		
3/1/2016		228477			6,319	7,027.55		
3/1/2016		228577			31,687	25,653.61		
3/1/2016		228578			16,458	15,432.39		

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED VOLUME DELIVERED	ACTUAL EXPENSE \$	MARGIN \$
VOL							
3/1/2016			228579	12,815	12,017.61		
3/1/2016			228650	9,756	11,800.00		
3/1/2016			228664	5,782	5,805.15		
3/1/2016			228665	4,642	4,696.29		
3/1/2016			228666	3,186	3,578.22		
3/1/2016			228792	10,624	11,760.50		
3/1/2016			228937	9,765	11,950.01		
3/1/2016			228939	10,635	11,815.20		
3/1/2016			229052	9,765	13,200.00		
3/1/2016			229260	29,306	40,350.00		
3/1/2016			229261	37,320	46,567.29		
3/1/2016			229368	9,765	12,100.00		
3/1/2016			229370	11,999	13,468.04		
3/1/2016			229517	10,298	11,611.38		
3/1/2016			229652	11,984	14,085.84		
3/1/2016			229810	5,947	6,819.36		
3/1/2016			229811	40,378	43,542.48		
3/1/2016			229828	9,718	12,610.00		
3/1/2016			229850	9,765	13,700.00		
3/1/2016			229855	11,999	15,383.22		
3/1/2016			229856	772	1,139.18		
3/1/2016			229857	1,953	2,880.88		
3/1/2016			230071	11,999	15,970.13		
3/1/2016			230072	767	1,132.95		
3/1/2016			230073	2,016	2,865.14		
3/1/2016			230074	4,491	6,325.00		
3/1/2016			226920	38,440	34,611.19		
3/1/2016			227521	3,440	3,439.26		
3/1/2016			227522	474	474.21		
3/1/2016			227817	1,985	2,424.35		
3/1/2016			228073	11,910	11,815.80		
3/1/2016			228074	5,967	5,919.18		
3/1/2016			228203	14,248	12,012.18		
3/1/2016			228356	8,354	7,480.88		
3/1/2016			228413	16,409	14,666.96		
3/1/2016			228474	14,209	14,575.79		
3/1/2016			228575	19,263	16,300.83		
3/1/2016			228581	21,470	20,621.04		
3/1/2016			228659	14,328	15,381.45		
3/1/2016			228788	15,096	16,910.64		
3/1/2016			228934	11,174	12,950.37		
3/1/2016			229056	11,898	15,305.36		
3/1/2016			229051	2,115	2,720.77		
3/1/2016			229288	33,318	46,757.01		
3/1/2016			229365	11,201	12,949.26		
3/1/2016			229516	11,425	13,008.74		
3/1/2016			229653	2,094	2,526.37		
3/1/2016			229654	6,679	8,056.30		
3/1/2016			229808	19,698	22,036.32		
3/1/2016			229809	25,354	28,365.12		
3/1/2016			229854	11,335	15,400.44		
3/1/2016			230070	11,202	15,692.12		
3/1/2016			230217	6,077	7,545.60		
3/1/2016			228229	3,425	3,972.10		
3/1/2016			227627	1,007	2,003.93		
3/1/2016			228826	4,433	5,354.40		
3/1/2016			226837	588,598	659,601.96		
3/1/2016			230275	12,000	13,923.05		
3/1/2016			227517	8,018	8,569.01		
3/1/2016			227624	4,897	6,383.93		
3/1/2016			227813	4,896	5,682.96		
3/1/2016			227924	5,873	6,998.16		
3/1/2016			228071	10,451	11,122.80		
3/1/2016			228072	14,487	15,456.04		
3/1/2016			228204	8,768	10,010.00		
3/1/2016			228357	8,007	7,262.52		
3/1/2016			228414	5,894	5,469.94		
3/1/2016			228475	8,493	8,922.63		
3/1/2016			228576	27,587	24,737.18		
3/1/2016			228661	8,447	9,178.54		
3/1/2016			228789	8,396	9,847.00		
3/1/2016			228935	2,478	2,944.08		
3/1/2016			228936	4,845	5,755.92		
3/1/2016			229054	7,324	9,637.52		
3/1/2016			229257	24,635	32,661.21		
3/1/2016			229369	6,347	7,735.00		
3/1/2016			229518	3,464	4,260.18		
3/1/2016			229519	3,434	4,221.95		
3/1/2016			229807	50,568	59,798.85		
3/1/2016			229851	10,455	14,133.24		
3/1/2016			230068	4,040	5,647.01		
3/1/2016			230069	6,702	9,368.00		
3/1/2016			230218	7,732	9,221.85		
3/1/2016			230175	1,408	2,193.85		
3/1/2016			227025	134,230	140,244.93		
3/1/2016			227605	4,889	7,475.00		
3/1/2016			227622	1,555	2,930.00		
3/1/2016			228049	3,201	4,286.59		
3/1/2016			228230	1,066	1,341.25		
3/1/2016			228569	14,987	15,090.00		
3/1/2016			228930	4,397	5,533.75		
3/1/2016			230115	8,415	11,060.40		
3/1/2016			227029	113,696	127,956.53		
3/1/2016			227083	114,606	128,680.92		
3/1/2016			227658	10,822	12,571.80		
3/1/2016			227844	10,834	12,571.80		
3/1/2016			228047	10,822	12,571.80		
3/1/2016			228048	8,831	10,251.10		
3/1/2016			228375	4,587	4,998.24		
3/1/2016			228376	10,023	10,052.00		
3/1/2016			228507	5,010	5,362.84		
3/1/2016			228682	3,393	4,036.78		
3/1/2016			228683	5,029	5,544.00		
3/1/2016			228827	563	636.16		
3/1/2016			228828	5,038	5,796.00		
3/1/2016			229275	6,580	8,607.30		
3/1/2016			229276	20,935	27,440.40		
3/1/2016			228575	7,435	9,376.25		
3/1/2016			228576	4,602	5,614.44		
3/1/2016			230116	5,033	6,809.40		
3/1/2016			214418	0	0.00		
3/1/2016			229591	3,500	4,484.37		
3/1/2016			229614	3,676	4,810.00		
3/1/2016			229692	44	57.20		
3/1/2016			227660	1,065	1,663.15		
3/1/2016			227842	1,067	1,548.00		
3/1/2016			227928	14,084	15,458.48		
3/1/2016			227954	1,065	1,462.00		
3/1/2016			228075	35,976	34,473.24		
3/1/2016			228361	5,061	4,362.96		

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 20 of 86

**REDACTED**

Flowing Transaction Deal  
National Grid Natural Gas Portfolio Management Plan

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 7 of 9

3/1/2015 Storage Injections  
3/1/2015 Enduse and Sendout Adjustments  
3/1/2015 Misc Adjust

### Commodity pipeline charges

(176,630) (217,977.11)  
 (163) (200.98)  
 (1,390) (1,715.38)

180 801 37

100,001.01

Sub-Total	3,335,744	4,297,405.93
OBA		
ESTIMATE	0	0.00
STORAGE WITHDRAWAL (DELIVERED) INCLUSIVE OF LIFTING CHARGES	332,397	705,600.92
SUB-TOTAL	3,668,142	5,003,006.85

3/1/2016	[REDACTED]	228794	10,000	17,050.00
3/1/2016	[REDACTED]	229812	22,400	28,560.00
3/1/2016	[REDACTED]	228394	5,000	5,500.00
3/1/2016	[REDACTED]	229372	13,285	25,972.18
3/1/2016	[REDACTED]	229509	2,000	2,700.00
3/1/2016	[REDACTED]	230077	1,285	2,248.75
3/1/2016	[REDACTED]	230212	2,800	3,640.00

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 21 of 86

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 8 of 9

**REDACTED**

**Flowing Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED VOLUME DELIVERED	ACTUAL EXPENSE \$	MARGIN \$
				VOL	VOL	VOL	VOL
3/1/2016			227524	8,125	16,371.88		
3/1/2016			228063	38,430	73,871.55		
3/1/2016			228064	10,000	18,500.00		
3/1/2016			228109	15,000	17,500.01		
3/1/2016			228363	10,500	17,985.00		
3/1/2016			228364	2,500	2,750.00		
3/1/2016			228416	20,000	21,150.00		
3/1/2016			228478	20,000	23,100.00		
3/1/2016			228582	90,962	100,967.82		
3/1/2016			228654	10,000	15,700.00		
3/1/2016			228655	5,041	7,863.96		
3/1/2016			228793	20,000	34,100.00		
3/1/2016			228931	18,018	26,396.37		
3/1/2016			229055	12,285	27,825.53		
3/1/2016			229635	2,500	3,387.51		
3/1/2016			229698	5,000	7,400.00		
3/1/2016			229813	40,000	51,000.00		
3/1/2016			229848	24,285	38,491.73		
3/1/2016			230010	2,500	5,000.00		
3/1/2016			230014	5,000	8,825.01		
3/1/2016			230076	25,000	44,125.00		
3/1/2016			230173	1,500	3,000.00		
3/1/2016			230219	5,000	6,500.00		
3/1/2016			227802	1,000	6,000.00		
3/1/2016			228128	2,500	3,662.50		
3/1/2016			228390	2,500	2,650.00		
3/1/2016			228848	2,500	3,662.50		
3/1/2016			229721	8,400	10,710.00		
3/1/2016			227670	2,000	5,900.00		
3/1/2016			227857	1,000	3,900.00		
3/1/2016			227960	1,000	3,150.00		
3/1/2016			228268	5,000	7,500.00		
3/1/2016			228270	4,500	6,750.00		
3/1/2016			228833	5,000	7,000.00		
3/1/2016			228834	5,000	7,000.00		
3/1/2016			228858	5,000	7,500.00		
3/1/2016			229682	7,400	11,470.00		
3/1/2016			228129	5,000	7,325.00		
3/1/2016			228132	5,000	7,325.00		
3/1/2016			228138	2,300	3,369.50		
3/1/2016			228296	5,000	5,450.00		
3/1/2016			228305	5,000	5,500.00		
3/1/2016			228306	5,000	5,500.00		
3/1/2016			228699	5,000	7,800.00		
3/1/2016			228593	6,000	6,690.00		
3/1/2016			228440	2,500	2,882.75		
3/1/2016			228866	1,200	1,758.01		
3/1/2016			229460	10,000	13,150.00		
3/1/2016			228022	3,000	5,250.00		
3/1/2016			228311	5,000	5,500.00		
3/1/2016			227863	3,500	14,000.00		
3/1/2016			228283	4,600	5,750.00		
3/1/2016			228377	10,000	12,000.00		
3/1/2016			228441	3,800	4,389.02		
3/1/2016			228508	5,000	6,250.00		
3/1/2016			228570	15,000	17,250.00		
3/1/2016			226687	5,000	7,250.00		
3/1/2016			228688	3,400	4,930.00		
3/1/2016			228929	4,400	6,292.00		
3/1/2016			229584	7,435	11,524.25		
3/1/2016			229585	4,965	7,075.75		
3/1/2016			229594	3,500	6,650.00		
3/1/2016			230117	5,000	9,250.00		
3/1/2016			230118	9,500	17,500.00		
3/1/2016			230276	12,000	17,400.00		
3/1/2016			227525	2,475	4,962.38		
3/1/2016			228200	3,466	5,199.00		
3/1/2016			228479	3,500	4,042.50		
3/1/2016			229371	10,000	19,550.02		
3/1/2016			229511	5,046	6,559.80		
3/1/2016			230213	6,304	8,195.20		
3/1/2016			228619	.200	314.50		
3/1/2016			228846	4,900	7,178.50		
3/1/2016			229459	5,000	6,612.51		
3/1/2016			229597	4,300	5,848.00		
3/1/2016			230015	5,000	8,837.50		
3/1/2016			228319	5,000	5,250.00		
3/1/2016			228620	4,600	7,176.00		
3/1/2016			228656	3,444	5,372.64		
3/1/2016			228795	5,285	9,248.75		
3/1/2016			228932	5,400	7,830.00		
			Sub-Total	732,336	1,081,511.88		
			CAPACITY RELEASE OSS		0.00		
			CAPACITY RELEASE OSS PPA		0.00		
			PPA-OPTIMIZATION		(22,312.28)		
			HEDGING GAIN/LOSS		0.00		
			Total 3rd Party Sales	732,336	1,059,199.60		
			PROXY GAS COST RECOVERY	2,935,806	4,504,084.92		
			STORAGE CARRY ADJUSTMENT		2,479.29		
			FINAL CLOSE TOTAL	3,668,142	5,563,284.52	3,668,142	5,005,486.14
						0	557,798.38
							557,798.38

AMA's April 2014 - March 2015  
4/1/2015 23,034.36  
5/1/2015 23,034.36  
6/1/2015 23,034.36  
7/1/2015 23,034.36  
8/1/2015 23,034.36  
9/1/2015 23,034.36  
10/1/2015 23,034.36  
11/1/2015 34,416.67

**REDACTED**

Attachment 2 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 9 of 9

Flowing Transaction Deal  
National Grid Natural Gas Portfolio Management Plan

Date	COMPANY_NAME	DESCRIPTION	Allegro NUCLEUS DEAL # PORTFOLIO	PROXY/ OSS VOLUME	PURCHASED REVENUE	ACTUAL EXPENSE \$	MARGIN VOL \$
12/1/2015		34,416.67			34,416.67		
1/1/2016		34,416.67			34,416.67		
2/1/2016		34,416.67			34,416.67		
3/1/2016		34,416.67			34,416.67		
Total					333,323.87		

## National Grid Transaction Summary: April 2015

Attachment 3  
Docket 4038 - NGMPM Annual Report  
June 2, 2016  
Page 1 of 36

AGT									
	Baseload		Swing			Storage			
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	
4/1/15	19,000	\$ 1.5244	\$ 28,963.88	67,258	\$ 2.6132	\$ 175,759.80	5,284	\$ 3.8758	\$ 20,479.54
4/2/15	19,000	\$ 1.5244	\$ 28,963.88	42,000	\$ 2.2810	\$ 95,800.16	-	\$ -	\$ -
4/3/15	10,543	\$ 1.5147	\$ 15,969.82	44,698	\$ 2.1655	\$ 96,792.51	-	\$ -	\$ -
4/4/15	19,000	\$ 1.5244	\$ 28,963.88	45,000	\$ 2.1631	\$ 97,337.38	5,284	\$ 3.8164	\$ 20,166.09
4/5/15	19,000	\$ 1.5244	\$ 28,963.88	45,000	\$ 2.1631	\$ 97,337.38	5,284	\$ 3.8016	\$ 20,087.87
4/6/15	19,000	\$ 1.5244	\$ 28,963.88	45,000	\$ 2.1631	\$ 97,337.38	-	\$ -	\$ -
4/7/15	19,000	\$ 1.5244	\$ 28,963.88	62,000	\$ 2.3054	\$ 142,933.67	6,517	\$ 3.7732	\$ 24,590.06
4/8/15	19,000	\$ 1.5244	\$ 28,963.88	67,258	\$ 2.5187	\$ 169,401.75	-	\$ -	\$ -
4/9/15	19,000	\$ 1.5244	\$ 28,963.88	50,000	\$ 2.3689	\$ 118,443.54	5,000	\$ 3.7482	\$ 18,741.20
4/10/15	19,000	\$ 1.5244	\$ 28,963.88	31,000	\$ 1.8030	\$ 55,892.39	-	\$ -	\$ -
4/11/15	18,777	\$ 1.5243	\$ 28,621.25	16,000	\$ 1.4766	\$ 23,626.14	3,537	\$ 3.7734	\$ 13,169.70
4/12/15	15,000	\$ 1.5212	\$ 22,817.94	16,000	\$ 1.4766	\$ 23,626.14	-	\$ -	\$ -
4/13/15	10,541	\$ 1.5147	\$ 15,966.75	16,000	\$ 1.4766	\$ 23,626.14	-	\$ -	\$ -
4/14/15	19,000	\$ 1.5244	\$ 28,963.88	14,000	\$ 1.7141	\$ 23,997.01	-	\$ -	\$ -
4/15/15	14,000	\$ 1.5201	\$ 21,281.45	23,000	\$ 1.7173	\$ 39,496.84	-	\$ -	\$ -
4/16/15	14,000	\$ 1.5201	\$ 21,281.45	28,000	\$ 1.8465	\$ 51,702.15	-	\$ -	\$ -
4/17/15	19,000	\$ 1.5244	\$ 28,963.88	15,000	\$ 1.5619	\$ 23,429.06	-	\$ -	\$ -
4/18/15	12,810	\$ 1.5186	\$ 19,453.03	14,000	\$ 1.5448	\$ 21,627.04	-	\$ -	\$ -
4/19/15	19,000	\$ 1.5244	\$ 28,963.88	14,000	\$ 1.5448	\$ 21,627.04	-	\$ -	\$ -
4/20/15	19,000	\$ 1.5244	\$ 28,963.88	14,000	\$ 1.5448	\$ 21,627.04	5,000	\$ 3.55719	\$ 17,859.63
4/21/15	19,000	\$ 1.5244	\$ 28,963.88	-	\$ -	-	-	\$ -	\$ -
4/22/15	19,000	\$ 1.5244	\$ 28,963.88	17,000	\$ 1.7926	\$ 30,473.58	-	\$ -	\$ -
4/23/15	19,000	\$ 1.5244	\$ 28,963.88	32,000	\$ 2.1354	\$ 68,332.29	5,000	\$ 3.5379	\$ 17,689.65
4/24/15	19,000	\$ 1.5244	\$ 28,963.88	32,018	\$ 2.1228	\$ 67,967.12	-	\$ -	\$ -
4/25/15	19,000	\$ 1.5244	\$ 28,963.88	22,000	\$ 1.6898	\$ 37,175.69	-	\$ -	\$ -
4/26/15	19,000	\$ 1.5244	\$ 28,963.88	22,000	\$ 1.6898	\$ 37,175.69	-	\$ -	\$ -
4/27/15	19,000	\$ 1.5244	\$ 28,963.88	22,000	\$ 1.6898	\$ 37,175.69	-	\$ -	\$ -
4/28/15	19,000	\$ 1.5244	\$ 28,963.88	17,000	\$ 1.7387	\$ 29,557.55	-	\$ -	\$ -
4/29/15	19,000	\$ 1.5244	\$ 28,963.88	20,000	\$ 1.7385	\$ 34,769.50	-	\$ -	\$ -
4/30/15	19,000	\$ 1.5244	\$ 28,963.88	20,000	\$ 1.6730	\$ 33,500.75	-	\$ -	\$ -
Total	532,671	\$ 1.5236	\$ 811,561.04	873,232	\$ 2.0585	\$ 1,797,548.38	40,906	\$ 3.7350	\$ 152,783.73

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 23 of 86

## National Grid Transaction Summary: April 2015

Canadian		Baseload			TGP			Swing			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount		
4/1/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,759	\$ 2.3075	\$ 36,364.45	4,836	\$ 3.3445	\$ 16,174.01		
4/2/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 2.0680	\$ 32,507.26	-	\$ -	\$ -		
4/3/15	\$ 3.1431	\$ -	8,710	\$ 1.8029	\$ 15,703.13	15,719	\$ 1.9490	\$ 30,636.64	-	\$ -	\$ -		
4/4/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 1.9490	\$ 30,636.64	-	\$ -	\$ -		
4/5/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 1.9490	\$ 30,636.64	-	\$ -	\$ -		
4/6/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 1.9490	\$ 30,636.64	-	\$ -	\$ -		
4/7/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 2.0186	\$ 31,730.57	-	\$ -	\$ -		
4/8/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	16,786	\$ 2.0064	\$ 33,679.69	-	\$ -	\$ -		
4/9/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,719	\$ 1.9145	\$ 30,093.78	2,000	\$ 3.1492	\$ 6,298.34		
4/10/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,519	\$ 1.8401	\$ 28,556.40	-	\$ -	\$ -		
4/11/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,519	\$ 1.6787	\$ 26,051.32	8,506	\$ 3.1121	\$ 26,471.46		
4/12/15	\$ 3.1431	\$ -	8,710	\$ 1.8029	\$ 15,703.13	15,519	\$ 1.6787	\$ 26,051.32	-	\$ -	\$ -		
4/13/15	\$ 3.1431	\$ -	8,710	\$ 1.8025	\$ 15,699.86	15,519	\$ 1.6787	\$ 26,051.32	-	\$ -	\$ -		
4/14/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	12,519	\$ 1.7442	\$ 21,836.26	-	\$ -	\$ -		
4/15/15	\$ 3.1431	\$ -	8,710	\$ 1.8029	\$ 15,703.13	15,519	\$ 1.7543	\$ 27,225.57	-	\$ -	\$ -		
4/16/15	\$ 3.1431	\$ -	8,710	\$ 1.8029	\$ 15,703.13	15,519	\$ 1.7089	\$ 26,521.02	-	\$ -	\$ -		
4/17/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	8,000	\$ 1.6131	\$ 12,904.76	-	\$ -	\$ -		
4/18/15	\$ 3.1431	\$ -	8,710	\$ 1.8029	\$ 15,703.13	7,000	\$ 1.5072	\$ 10,550.14	-	\$ -	\$ -		
4/19/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	7,000	\$ 1.5072	\$ 10,550.14	-	\$ -	\$ -		
4/20/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	-	\$ -	\$ -	-	\$ -	\$ -		
4/21/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,519	\$ 1.6787	\$ 26,051.32	-	\$ -	\$ -		
4/22/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,519	\$ 1.8048	\$ 28,008.41	3,000	\$ 2.8158	\$ 8,447.52		
4/23/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	15,519	\$ 1.8300	\$ 28,399.83	-	\$ -	\$ -		
4/24/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	13,519	\$ 1.7543	\$ 23,716.90	-	\$ -	\$ -		
4/25/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	13,519	\$ 1.7543	\$ 23,716.90	-	\$ -	\$ -		
4/26/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	13,519	\$ 1.7543	\$ 23,716.90	-	\$ -	\$ -		
4/27/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	13,519	\$ 1.7543	\$ 23,716.90	-	\$ -	\$ -		
4/28/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	7,000	\$ 1.7493	\$ 12,245.06	-	\$ -	\$ -		
4/29/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	9,000	\$ 1.5929	\$ 14,336.26	-	\$ -	\$ -		
4/30/15	\$ 3.1431	\$ -	11,040	\$ 1.7920	\$ 19,784.05	10,000	\$ 1.5879	\$ 15,878.73	-	\$ -	\$ -		
Total	-	\$ 0.00	317,220	\$ 1.7938	\$ 569,032.79	390,325	\$ 1.8186	\$ 709,841.00	18,342	\$ 3.1290	57,391		

## National Grid Transaction Summary: April 2015

Attachment 3  
 Docket 4038 - NGPMP Annual Report  
 June 2, 2016  
 Page 3 of 36

501 Swing-On-Storage Activity						Total Delivered	Total Delivered	
INJECTIONS			WITHDRAWALS			Delivered Volume	Amount	
Volume	Price	Amount	Volume	Price	Amount		Amount Due	
4/1/15 (1,175)	\$ 3.3445	\$ (3,929.79)	-	\$ -	\$ -	122,002	\$ 293,595.94	
4/2/15 (11,848)	\$ 2.0680	\$ (24,501.94)	-	\$ -	\$ -	75,911	\$ 152,553.42	
4/3/15 (5,047)	\$ 1.9490	\$ (9,836.70)	-	\$ -	\$ -	74,623	\$ 149,265.39	
4/4/15 (480)	\$ 1.9490	\$ (935.53)	-	\$ -	\$ -	95,563	\$ 195,952.52	
4/5/15 -	\$ -	\$ -	7,143	\$ 3.0184	\$ 21,560.32	103,186	\$ 218,370.15	
4/6/15 (4,719)	\$ 1.9490	\$ (9,197.42)	-	\$ -	\$ -	86,040	\$ 167,524.54	
4/7/15 -	\$ -	\$ -	5,177	\$ 2.9864	\$ 15,460.50	119,453	\$ 263,462.73	
4/8/15 -	\$ -	\$ -	5,702	\$ 2.9799	\$ 16,991.19	119,786	\$ 268,820.57	
4/9/15 -	\$ -	\$ -	7,190	\$ 2.9733	\$ 21,377.76	109,949	\$ 243,702.56	
4/10/15 (3,684)	\$ 1.8401	\$ (6,778.90)	-	\$ -	\$ -	72,875	\$ 126,417.83	
4/11/15 -	\$ -	\$ -	1,045	\$ 2.9439	\$ 3,076.35	74,424	\$ 140,800.26	
4/12/15 -	\$ -	\$ -	3,189	\$ 2.9375	\$ 9,367.63	58,418	\$ 97,566.15	
4/13/15 (4,252)	\$ 1.6787	\$ (7,137.71)	-	\$ -	\$ -	46,518	\$ 74,206.35	
4/14/15 (7,521)	\$ 1.7442	\$ (13,118.50)	-	\$ -	\$ -	49,038	\$ 81,462.70	
4/15/15 (7,686)	\$ 1.7543	\$ (13,483.84)	-	\$ -	\$ -	53,543	\$ 90,223.15	
4/16/15 (8,674)	\$ 1.7089	\$ (14,823.33)	-	\$ -	\$ -	57,555	\$ 100,384.41	
4/17/15 (8,184)	\$ 1.6171	\$ (13,234.50)	-	\$ -	\$ -	44,856	\$ 71,847.27	
4/18/15 (7,444)	\$ 1.5248	\$ (11,350.62)	-	\$ -	\$ -	35,076	\$ 55,982.72	
4/19/15 (1,359)	\$ 1.5072	\$ (2,048.23)	-	\$ -	\$ -	49,681	\$ 78,876.89	
4/20/15 -	\$ -	\$ -	7,139	\$ 2.7119	\$ 19,360.19	63,179	\$ 118,144.94	
4/21/15 -	\$ -	\$ -	8,705	\$ 2.7078	\$ 23,571.23	38,745	\$ 72,319.17	
4/22/15 (8,900)	\$ 1.6787	\$ (14,940.18)	-	\$ -	\$ -	53,659	\$ 90,332.65	
4/23/15 -	\$ -	\$ -	5,089	\$ 2.6708	\$ 13,591.59	90,648	\$ 184,817.40	
4/24/15 -	\$ -	\$ -	6,461	\$ 2.6669	\$ 17,230.61	84,038	\$ 162,345.51	
4/25/15 (5,833)	\$ 1.7543	\$ (10,233.05)	-	\$ -	\$ -	59,726	\$ 99,407.47	
4/26/15 (8,527)	\$ 1.7543	\$ (14,959.24)	-	\$ -	\$ -	57,032	\$ 94,681.28	
4/27/15 (7,450)	\$ 1.7543	\$ (13,069.82)	-	\$ -	\$ -	58,109	\$ 96,570.70	
4/28/15 (6,559)	\$ 1.7493	\$ (11,473.62)	-	\$ -	\$ -	47,481	\$ 79,076.93	
4/29/15 (8,463)	\$ 1.5929	\$ (13,480.86)	-	\$ -	\$ -	50,577	\$ 84,372.83	
4/30/15 (7,033)	\$ 1.5879	\$ (11,167.51)	-	\$ -	\$ -	53,007	\$ 86,959.91	
Total	\$ (124,838)	\$ 1.7599	\$ (219,701.33)	\$ 56,840	\$ 2,8428	\$ 161,587.38	\$ 2,104,698	\$ 4,040,044.33

The Narragansett Electric Company  
 d/b/a National Grid  
 RIPUC Docket No. 4647  
 Attachment SAM-3  
 Page 25 of 86

## National Grid Transaction Summary: May 2015

AGT		Swing			Storage		
Volume	Price	Baseload	Amount	Volume	Price	Amount	
5/1/15	14,000	\$ 1.5156	\$ 21,218.91	22,000	\$ 1.6263	\$ 35,777.66	-
5/2/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4948	\$ 5,979.14	-
5/3/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4948	\$ 5,979.14	4,000 \$ 3.4380 \$ 13,752.17
5/4/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4948	\$ 5,979.14	-
5/5/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.8023	\$ 7,209.30	-
5/6/15	14,000	\$ 1.5156	\$ 21,218.91	11,000	\$ 1.8204	\$ 20,024.51	-
5/7/15	14,000	\$ 1.5156	\$ 21,218.91	5,000	\$ 1.8753	\$ 9,376.51	-
5/8/15	14,000	\$ 1.5156	\$ 21,218.91	6,000	\$ 1.6668	\$ 10,000.80	-
5/9/15	14,000	\$ 1.5156	\$ 21,218.91	5,000	\$ 1.5834	\$ 7,917.00	-
5/10/15	14,000	\$ 1.5156	\$ 21,218.91	5,000	\$ 1.5834	\$ 7,917.00	-
5/11/15	14,000	\$ 1.5156	\$ 21,218.91	5,000	\$ 1.5834	\$ 7,917.00	-
5/12/15	14,000	\$ 1.5156	\$ 21,218.91	5,000	\$ 2.0213	\$ 10,106.26	-
5/13/15	14,000	\$ 1.5156	\$ 21,218.91	11,000	\$ 1.7858	\$ 19,643.45	-
5/14/15	14,000	\$ 1.5156	\$ 21,218.91	9,000	\$ 1.6185	\$ 14,566.83	-
5/15/15	14,000	\$ 1.5156	\$ 21,218.91	3,000	\$ 1.5208	\$ 4,562.55	-
5/16/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5208	\$ 3,041.70	-
5/17/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5208	\$ 3,041.70	-
5/18/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5208	\$ 3,041.70	-
5/19/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.7711	\$ 3,542.10	-
5/20/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.8284	\$ 3,656.78	-
5/21/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.6720	\$ 3,344.02	-
5/22/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5313	\$ 3,062.55	-
5/23/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5573	\$ 3,114.67	-
5/24/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5573	\$ 3,114.67	-
5/25/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5573	\$ 3,114.67	-
5/26/15	14,000	\$ 1.5156	\$ 21,218.91	2,000	\$ 1.5573	\$ 3,114.67	-
5/27/15	14,000	\$ 1.5156	\$ 21,218.91	3,000	\$ 1.7450	\$ 5,234.96	-
5/28/15	14,000	\$ 1.5156	\$ 21,218.91	6,000	\$ 1.6616	\$ 9,969.52	-
5/29/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4635	\$ 5,854.04	-
5/30/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4635	\$ 5,854.04	-
5/31/15	14,000	\$ 1.5156	\$ 21,218.91	4,000	\$ 1.4635	\$ 5,854.04	-
Total	434,000	\$ 1.5156	\$ 657,786.15	146,000	\$ 1.6501	\$ 240,912.14	4,000 \$ 3.4380 \$ 13,752.17

## National Grid Transaction Summary: May 2015

TGP											
	Canadian	Volume	Price	Amount	Baseload	Volume	Price	Amount	Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
5/1/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	13,000	\$ 1.6535	\$ 21,494.85	-	\$ -	\$ -
5/2/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	4,000	\$ 1.5778	\$ 6,311.14	-	\$ -	\$ -
5/3/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	4,000	\$ 1.5778	\$ 6,311.14	-	\$ -	\$ -
5/4/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	4,000	\$ 1.5778	\$ 6,311.14	-	\$ -	\$ -
5/5/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	3,000	\$ 1.7846	\$ 5,353.81	-	\$ -	\$ -
5/6/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	6,000	\$ 1.9309	\$ 11,585.35	-	\$ -	\$ -
5/7/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,000	\$ 1.8502	\$ 3,700.36	-	\$ -	\$ -
5/8/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	3,000	\$ 1.7997	\$ 5,399.21	-	\$ -	\$ -
5/9/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,000	\$ 1.7695	\$ 3,538.94	-	\$ -	\$ -
5/10/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,000	\$ 1.7695	\$ 3,538.94	-	\$ -	\$ -
5/11/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,000	\$ 1.7695	\$ 3,538.94	-	\$ -	\$ -
5/12/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,009	\$ 2.1327	\$ 4,284.53	-	\$ -	\$ -
5/13/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	5,000	\$ 2.0419	\$ 10,209.34	-	\$ -	\$ -
5/14/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	4,014	\$ 1.8552	\$ 7,446.88	-	\$ -	\$ -
5/15/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.7089	\$ 1,708.94	-	\$ -	\$ -
5/16/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.7089	\$ 1,708.94	-	\$ -	\$ -
5/17/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.7089	\$ 1,708.94	-	\$ -	\$ -
5/18/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.7089	\$ 1,708.94	-	\$ -	\$ -
5/19/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.9914	\$ 1,991.42	-	\$ -	\$ -
5/20/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,011	\$ 2.0873	\$ 4,197.50	-	\$ -	\$ -
5/21/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	2,000	\$ 1.9057	\$ 3,811.34	-	\$ -	\$ -
5/22/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.9612	\$ 1,961.16	-	\$ -	\$ -
5/23/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	-	\$ -	-	-	\$ -	\$ -
5/24/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	-	\$ -	-	-	\$ -	\$ -
5/25/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	-	\$ -	-	-	\$ -	\$ -
5/26/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	-	\$ -	-	-	\$ -	\$ -
5/27/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.8704	\$ 1,870.36	-	\$ -	\$ -
5/28/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.7644	\$ 1,764.43	-	\$ -	\$ -
5/29/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.5324	\$ 1,532.38	-	\$ -	\$ -
5/30/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.5324	\$ 1,532.38	-	\$ -	\$ -
5/31/15	\$ -	\$ -	8,000	\$ 1.5525	\$ 12,419.99	1,000	\$ 1.5324	\$ 1,532.38	-	\$ -	\$ -
Total	\$ 0.00	\$ 248,000	\$ 1.5525	\$ 385,019.70	\$ 71,034	\$ 1.7746	\$ 126,053.70	\$ -	\$ -	\$ -	\$ -

National Grid Transaction Summary: May 2015

Attachment 3  
Docket 4038 - NGMPM Annual Report  
June 2, 2016  
Page 6 of 36

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 28 of 86

501 Swing-On-Storage Activity						
INJECTIONS			WITHDRAWALS			
Volume	Price	Amount	Volume	Price	Amount	
5/1/15	(1,851)	\$ 1.6535	\$ (3,060.54)	-	\$ -	\$ -
5/2/15	-	\$ -	\$ -	589	\$ 2.5209	\$ 1,484.82
5/3/15	-	\$ -	\$ -	6,049	\$ 2.5177	\$ 15,229.27
5/4/15	(96)	\$ 1.5778	\$ (151.47)	-	\$ -	\$ -
5/5/15	-	\$ -	\$ -	110	\$ 2.5110	\$ 276.21
5/6/15	(6,026)	\$ 1.9293	\$ (11,625.72)	-	\$ -	\$ -
5/7/15	(376)	\$ 1.8502	\$ (695.67)	-	\$ -	\$ -
5/8/15	(114)	\$ 1.7997	\$ (205.17)	-	\$ -	\$ -
5/9/15	(4,091)	\$ 1.6586	\$ (6,785.22)	-	\$ -	\$ -
5/10/15	(5,007)	\$ 1.6392	\$ (8,207.31)	-	\$ -	\$ -
5/11/15	(5,354)	\$ 1.6335	\$ (8,746.02)	-	\$ -	\$ -
5/12/15	(3,805)	\$ 1.8588	\$ (7,072.82)	-	\$ -	\$ -
5/13/15	(8,057)	\$ 1.8562	\$ (14,955.33)	-	\$ -	\$ -
5/14/15	(5,665)	\$ 1.7670	\$ (10,010.05)	-	\$ -	\$ -
5/15/15	-	\$ -	\$ -	716	\$ 2.4202	\$ 1,732.85
5/16/15	(155)	\$ 1.7089	\$ (264.89)	-	\$ -	\$ -
5/17/15	(651)	\$ 1.7089	\$ (1,112.52)	-	\$ -	\$ -
5/18/15	(3,600)	\$ 1.5960	\$ (5,745.44)	-	\$ -	\$ -
5/19/15	(2,405)	\$ 1.7350	\$ (4,172.69)	-	\$ -	\$ -
5/20/15	-	\$ -	\$ -	30	\$ 2.3971	\$ 71.91
5/21/15	-	\$ -	\$ -	1,090	\$ 2.3947	\$ 2,610.27
5/22/15	-	\$ -	\$ -	1,128	\$ 2.3924	\$ 2,698.65
5/23/15	-	\$ -	\$ -	3,219	\$ 2.3901	\$ 7,693.75
5/24/15	(1,628)	\$ 1.5525	\$ (2,527.47)	-	\$ -	\$ -
5/25/15	(562)	\$ 1.5525	\$ (872.50)	-	\$ -	\$ -
5/26/15	(1,170)	\$ 1.5525	\$ (1,816.42)	-	\$ -	\$ -
5/27/15	(582)	\$ 1.8704	\$ (1,088.55)	-	\$ -	\$ -
5/28/15	(1,279)	\$ 1.7182	\$ (2,197.57)	-	\$ -	\$ -
5/29/15	-	\$ -	\$ -	411	\$ 2.3686	\$ 973.49
5/30/15	-	\$ -	\$ -	409	\$ 2.3664	\$ 967.86
5/31/15	(429)	\$ 1.5324	\$ (657.39)	-	\$ -	\$ -
Total	(52,903)	\$ 1.7385	\$ (91,970.74)	13,751	\$ 2.4536	\$ 33,739.09
					Total Delivered Volume	Total Delivered Amount
					55,149	\$ 87,850.87
					30,589	\$ 47,414.00
					40,049	\$ 74,910.63
					29,904	\$ 45,777.71
					29,110	\$ 46,478.22
					32,974	\$ 53,623.05
					28,624	\$ 46,020.10
					30,886	\$ 48,833.74
					24,909	\$ 38,309.62
					23,993	\$ 36,887.53
					23,646	\$ 36,348.81
					25,204	\$ 40,956.87
					29,943	\$ 48,536.36
					29,349	\$ 45,642.55
					26,716	\$ 41,643.23
					24,845	\$ 38,124.65
					24,349	\$ 37,277.02
					21,400	\$ 32,644.10
					22,595	\$ 34,999.74
					26,041	\$ 41,565.08
					27,090	\$ 43,404.54
					26,128	\$ 41,361.26
					27,219	\$ 44,447.33
					22,372	\$ 34,226.10
					23,438	\$ 35,881.07
					22,830	\$ 34,937.15
					25,418	\$ 39,655.67
					27,721	\$ 43,175.28
					27,411	\$ 41,998.82
					27,409	\$ 41,993.19
					26,571	\$ 40,367.93
					863,882	\$ 1,365,292.20

### National Grid Transaction Summary: June 2015

	Baseload			AGT			Storage		
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
6/1/15	12,000	\$ 1.5350	\$ 18,419.83	7,000	\$ 1.3332	\$ 9,332.38	3,000	\$ 3.1997	\$ 9,599.16
6/2/15	12,000	\$ 1.5350	\$ 18,419.83	7,000	\$ 1.3645	\$ 9,551.31	-	\$ -	\$ -
6/3/15	12,000	\$ 1.5350	\$ 18,419.83	6,000	\$ 1.3176	\$ 7,905.36	-	\$ -	\$ -
6/4/15	12,000	\$ 1.5350	\$ 18,419.83	5,000	\$ 1.2811	\$ 6,405.36	-	\$ -	\$ -
6/5/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.2602	\$ 5,040.89	-	\$ -	\$ -
6/6/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.1820	\$ 4,728.13	-	\$ -	\$ -
6/7/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.1820	\$ 4,728.13	-	\$ -	\$ -
6/8/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.1820	\$ 4,728.13	-	\$ -	\$ -
6/9/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.4844	\$ 5,937.44	-	\$ -	\$ -
6/10/15	12,000	\$ 1.5350	\$ 18,419.83	4,000	\$ 1.6459	\$ 6,583.80	-	\$ -	\$ -
6/11/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.6095	\$ 4,828.39	-	\$ -	\$ -
6/12/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.7711	\$ 3,542.10	-	\$ -	\$ -
6/13/15	10,500	\$ 1.5348	\$ 16,115.10	2,000	\$ 1.5573	\$ 3,114.67	-	\$ -	\$ -
6/14/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.5573	\$ 3,114.67	-	\$ -	\$ -
6/15/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.5573	\$ 3,114.67	-	\$ -	\$ -
6/16/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.7711	\$ 5,313.15	-	\$ -	\$ -
6/17/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.8805	\$ 5,641.54	-	\$ -	\$ -
6/18/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.7919	\$ 5,375.70	-	\$ -	\$ -
6/19/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.5417	\$ 4,625.10	-	\$ -	\$ -
6/20/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.4322	\$ 4,296.71	-	\$ -	\$ -
6/21/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.4322	\$ 4,296.71	-	\$ -	\$ -
6/22/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.4322	\$ 4,296.71	-	\$ -	\$ -
6/23/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.7502	\$ 5,250.60	-	\$ -	\$ -
6/24/15	12,000	\$ 1.5350	\$ 18,419.83	3,000	\$ 1.5625	\$ 4,687.65	-	\$ -	\$ -
6/25/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.3593	\$ 2,718.52	-	\$ -	\$ -
6/26/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.2550	\$ 2,510.02	-	\$ -	\$ -
6/27/15	12,000	\$ 1.5350	\$ 18,419.83	1,000	\$ 1.2759	\$ 1,275.86	-	\$ -	\$ -
6/28/15	12,000	\$ 1.5350	\$ 18,419.83	1,000	\$ 1.2759	\$ 1,275.86	-	\$ -	\$ -
6/29/15	12,000	\$ 1.5350	\$ 18,419.83	1,000	\$ 1.2759	\$ 1,275.86	-	\$ -	\$ -
6/30/15	12,000	\$ 1.5350	\$ 18,419.83	2,000	\$ 1.2706	\$ 2,541.29	-	\$ -	\$ -
Total	358,500	\$ 1.5350	\$ 550,290.18	96,000	\$ 1.4379	\$ 138,036.73	3,000	\$ 3.1997	\$ 9,599.16

### National Grid Transaction Summary: June 2015

	Baseload			TGP			Storage		
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
6/1/15	7,000	\$ 1.6203	\$ 11,342.21	3,000	\$ 1.4291	\$ 4,287.34	3,000	\$ 2.4467	\$ 7,340.07
6/2/15	7,000	\$ 1.6203	\$ 11,342.21	3,000	\$ 1.4442	\$ 4,332.74	-	\$ -	\$ -
6/3/15	7,000	\$ 1.6203	\$ 11,342.21	2,000	\$ 1.3548	\$ 2,709.56	-	\$ -	\$ -
6/4/15	7,000	\$ 1.6203	\$ 11,342.21	2,000	\$ 1.3750	\$ 2,749.91	-	\$ -	\$ -
6/5/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.2579	\$ 1,257.88	-	\$ -	\$ -
6/6/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.2125	\$ 1,212.48	-	\$ -	\$ -
6/7/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.2125	\$ 1,212.48	-	\$ -	\$ -
6/8/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.2125	\$ 1,212.48	-	\$ -	\$ -
6/9/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.5656	\$ 1,565.59	-	\$ -	\$ -
6/10/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.7775	\$ 1,777.45	-	\$ -	\$ -
6/11/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.7775	\$ 1,777.45	-	\$ -	\$ -
6/12/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.7119	\$ 1,711.88	-	\$ -	\$ -
6/13/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4849	\$ 1,484.88	-	\$ -	\$ -
6/14/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4849	\$ 1,484.88	-	\$ -	\$ -
6/15/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4849	\$ 1,484.88	-	\$ -	\$ -
6/16/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.6513	\$ 1,651.34	-	\$ -	\$ -
6/17/15	7,000	\$ 1.6203	\$ 11,342.21	2,000	\$ 1.7533	\$ 3,506.57	-	\$ -	\$ -
6/18/15	7,000	\$ 1.6203	\$ 11,342.21	2,000	\$ 1.7684	\$ 3,536.84	-	\$ -	\$ -
6/19/15	7,000	\$ 1.6203	\$ 11,342.21	2,000	\$ 1.6272	\$ 3,254.35	-	\$ -	\$ -
6/20/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4496	\$ 1,449.57	-	\$ -	\$ -
6/21/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4496	\$ 1,449.57	-	\$ -	\$ -
6/22/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.4496	\$ 1,449.57	-	\$ -	\$ -
6/23/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.6362	\$ 1,636.21	-	\$ -	\$ -
6/24/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.5454	\$ 1,545.41	-	\$ -	\$ -
6/25/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.3689	\$ 1,368.86	-	\$ -	\$ -
6/26/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.2881	\$ 1,288.15	-	\$ -	\$ -
6/27/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.3134	\$ 1,313.37	-	\$ -	\$ -
6/28/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.3134	\$ 1,313.37	-	\$ -	\$ -
6/29/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.3134	\$ 1,313.37	-	\$ -	\$ -
6/30/15	7,000	\$ 1.6203	\$ 11,342.21	1,000	\$ 1.3689	\$ 1,368.86	-	\$ -	\$ -
Total	210,000	\$ 1.6203	\$ 340,266.41	39,000	\$ 1.4797	\$ 57,707.29	3,000	\$ 2.4467	7,340

## National Grid Transaction Summary: June 2015

Attachment 3  
Docket 4038 - NGMPM Annual Report  
June 2, 2016  
Page 9 of 36

501 Swing-On-Storage Activity				WITHDRAWALS				Total Delivered Volume	Total Delivered Amount	Amount Due
INJECTIONS		Volume	Price	Volume	Price	Amount				
6/1/15	-	\$ -	\$ -	3,502	\$ 2,3614	\$ 8,269.71	38,502	\$ 68,590.71	\$ 68,590.71	\$ 68,590.71
6/2/15	-	\$ -	\$ -	6,825	\$ 2,3604	\$ 16,109.46	35,825	\$ 59,755.55	\$ 59,755.55	\$ 59,755.55
6/3/15	-	\$ -	\$ -	3,124	\$ 2,3593	\$ 7,370.39	30,124	\$ 47,747.35	\$ 47,747.35	\$ 47,747.35
6/4/15	(545)	\$ 1,3750	\$ (749.35)	-	\$ -	\$ -	25,455	\$ 38,167.96	\$ 38,167.96	\$ 38,167.96
6/5/15	(1,528)	\$ 1,3831	\$ (2,113.41)	-	\$ -	\$ -	22,472	\$ 33,947.40	\$ 33,947.40	\$ 33,947.40
6/6/15	(1,091)	\$ 1,2465	\$ (1,359.93)	-	\$ -	\$ -	22,909	\$ 34,342.73	\$ 34,342.73	\$ 34,342.73
6/7/15	(1,568)	\$ 1,3602	\$ (2,132.82)	-	\$ -	\$ -	22,432	\$ 33,569.84	\$ 33,569.84	\$ 33,569.84
6/8/15	(988)	\$ 1,2125	\$ (1,197.93)	-	\$ -	\$ -	23,012	\$ 34,504.73	\$ 34,504.73	\$ 34,504.73
6/9/15	-	\$ -	\$ -	1,741	\$ 2,3402	\$ 4,074.27	25,741	\$ 41,339.35	\$ 41,339.35	\$ 41,339.35
6/10/15	(714)	\$ 1,7775	\$ (1,269.10)	-	\$ -	\$ -	23,286	\$ 36,854.19	\$ 36,854.19	\$ 36,854.19
6/11/15	(918)	\$ 1,7775	\$ (1,631.70)	-	\$ -	\$ -	22,082	\$ 34,736.18	\$ 34,736.18	\$ 34,736.18
6/12/15	(129)	\$ 1,7119	\$ (220.83)	-	\$ -	\$ -	21,871	\$ 34,795.19	\$ 34,795.19	\$ 34,795.19
6/13/15	(289)	\$ 1,4849	\$ (429.13)	-	\$ -	\$ -	20,211	\$ 31,627.74	\$ 31,627.74	\$ 31,627.74
6/14/15	(427)	\$ 1,4849	\$ (634.04)	-	\$ -	\$ -	21,573	\$ 33,727.55	\$ 33,727.55	\$ 33,727.55
6/15/15	-	\$ -	\$ -	3,261	\$ 2,3314	\$ 7,602.80	25,261	\$ 41,964.39	\$ 41,964.39	\$ 41,964.39
6/16/15	-	\$ -	\$ -	970	\$ 2,3304	\$ 2,260.52	23,970	\$ 38,987.06	\$ 38,987.06	\$ 38,987.06
6/17/15	(282)	\$ 1,7533	\$ (494.43)	-	\$ -	\$ -	23,718	\$ 38,415.73	\$ 38,415.73	\$ 38,415.73
6/18/15	-	\$ -	\$ -	3	\$ 2,3282	\$ 6.98	24,003	\$ 38,681.57	\$ 38,681.57	\$ 38,681.57
6/19/15	(3,190)	\$ 1,6246	\$ (5,182.53)	-	\$ -	\$ -	20,810	\$ 32,458.96	\$ 32,458.96	\$ 32,458.96
6/20/15	(1,980)	\$ 1,5341	\$ (3,037.48)	-	\$ -	\$ -	21,020	\$ 32,470.84	\$ 32,470.84	\$ 32,470.84
6/21/15	(2,268)	\$ 1,5450	\$ (3,504.13)	-	\$ -	\$ -	20,732	\$ 32,004.19	\$ 32,004.19	\$ 32,004.19
6/22/15	(3,544)	\$ 1,5721	\$ (5,571.65)	-	\$ -	\$ -	19,456	\$ 29,936.67	\$ 29,936.67	\$ 29,936.67
6/23/15	(4,225)	\$ 1,6241	\$ (6,861.73)	-	\$ -	\$ -	18,775	\$ 29,787.13	\$ 29,787.13	\$ 29,787.13
6/24/15	(2,264)	\$ 1,5872	\$ (3,593.49)	-	\$ -	\$ -	20,736	\$ 32,401.61	\$ 32,401.61	\$ 32,401.61
6/25/15	(1,362)	\$ 1,4357	\$ (1,955.41)	-	\$ -	\$ -	20,638	\$ 31,894.01	\$ 31,894.01	\$ 31,894.01
6/26/15	(1,609)	\$ 1,4139	\$ (2,274.92)	-	\$ -	\$ -	20,391	\$ 31,285.29	\$ 31,285.29	\$ 31,285.29
6/27/15	(1,757)	\$ 1,4456	\$ (2,539.95)	-	\$ -	\$ -	19,243	\$ 29,811.32	\$ 29,811.32	\$ 29,811.32
6/28/15	-	\$ -	\$ -	1,427	\$ 2,2858	\$ 3,261.81	22,427	\$ 35,613.08	\$ 35,613.08	\$ 35,613.08
6/29/15	-	\$ -	\$ -	2,274	\$ 2,2849	\$ 5,195.91	23,274	\$ 37,547.18	\$ 37,547.18	\$ 37,547.18
6/30/15	-	\$ -	\$ -	1,768	\$ 2,2841	\$ 4,038.22	23,768	\$ 37,710.42	\$ 37,710.42	\$ 37,710.42
Total	(30,678)	\$ 1,5240	\$ (46,753.97)	24,895	\$ 2,3374	\$ 58,190.07	703,717	\$ 1,114,675.93	\$ 1,114,675.93	\$ 1,114,675.93

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 31 of 86

## National Grid Transaction Summary: July 2015

Attachment 3  
 Docket 4038 - NGMPM Annual Report  
 June 2, 2016  
 Page 10 of 36

The Narragansett Electric Company  
 d/b/a National Grid  
 RIPUC Docket No. 4647  
 Attachment SAM-3  
 Page 32 of 86

AGT						Storage					
Baseload			Swing			Volume			Price		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
7/1/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,2029	\$ 3,608.65	-	\$ -	\$ -	\$ -	\$ -
7/2/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,1612	\$ 3,483.55	-	\$ -	\$ -	\$ -	\$ -
7/3/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 0.7911	\$ 791.09	-	\$ -	\$ -	\$ -	\$ -
7/4/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 0.7911	\$ 791.09	-	\$ -	\$ -	\$ -	\$ -
7/5/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 0.7911	\$ 791.09	-	\$ -	\$ -	\$ -	\$ -
7/6/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 0.7911	\$ 791.09	-	\$ -	\$ -	\$ -	\$ -
7/7/15	8,058	\$ 1,4085	\$ 11,350.06	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
7/8/15	10,000	\$ 1,4071	\$ 14,070.73	1,673	\$ 1,3332	\$ 2,230.44	-	\$ -	\$ -	\$ -	\$ -
7/9/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,2081	\$ 2,416.19	-	\$ -	\$ -	\$ -	\$ -
7/10/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 1,1977	\$ 1,197.67	-	\$ -	\$ -	\$ -	\$ -
7/11/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 1,3019	\$ 1,301.92	-	\$ -	\$ -	\$ -	\$ -
7/12/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 1,3019	\$ 1,301.92	-	\$ -	\$ -	\$ -	\$ -
7/13/15	10,000	\$ 1,4071	\$ 14,070.73	1,000	\$ 1,3019	\$ 1,301.92	-	\$ -	\$ -	\$ -	\$ -
7/14/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,4114	\$ 2,822.77	-	\$ -	\$ -	\$ -	\$ -
7/15/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,2915	\$ 3,874.49	-	\$ -	\$ -	\$ -	\$ -
7/16/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,2915	\$ 3,874.49	-	\$ -	\$ -	\$ -	\$ -
7/17/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,3019	\$ 3,905.77	-	\$ -	\$ -	\$ -	\$ -
7/18/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,3905	\$ 2,781.07	-	\$ -	\$ -	\$ -	\$ -
7/19/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,3905	\$ 2,781.07	-	\$ -	\$ -	\$ -	\$ -
7/20/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,3905	\$ 2,781.07	-	\$ -	\$ -	\$ -	\$ -
7/21/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,4166	\$ 4,249.79	-	\$ -	\$ -	\$ -	\$ -
7/22/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,3697	\$ 4,109.06	-	\$ -	\$ -	\$ -	\$ -
7/23/15	10,000	\$ 1,4071	\$ 14,070.73	3,000	\$ 1,2706	\$ 3,811.94	-	\$ -	\$ -	\$ -	\$ -
7/24/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,2915	\$ 2,582.99	-	\$ -	\$ -	\$ -	\$ -
7/25/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,2706	\$ 2,541.29	-	\$ -	\$ -	\$ -	\$ -
7/26/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,2706	\$ 2,541.29	-	\$ -	\$ -	\$ -	\$ -
7/27/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,2706	\$ 2,541.29	-	\$ -	\$ -	\$ -	\$ -
7/28/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,7189	\$ 3,437.85	-	\$ -	\$ -	\$ -	\$ -
7/29/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,6512	\$ 3,302.32	-	\$ -	\$ -	\$ -	\$ -
7/30/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,5052	\$ 3,010.42	-	\$ -	\$ -	\$ -	\$ -
7/31/15	10,000	\$ 1,4071	\$ 14,070.73	2,000	\$ 1,5261	\$ 3,052.12	-	\$ -	\$ -	\$ -	\$ -
Total	308,058	\$ 1,4071	\$ 433,471.82	59,673	\$ 1,3073	\$ 78,007.76	-	#DIV/0!			\$0.00

## National Grid Transaction Summary: July 2015

Attachment 3  
Docket 4038 - NGMPM Annual Report  
June 2, 2016  
Page 11 of 36

Canadian		Baseload			TGP			Swing			Storage		
		Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
7/1/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.28777	\$ 1,287.68	-	\$ -	\$ -	\$ -	\$ -
7/2/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.1717	\$ 1,171.66	-	\$ -	\$ -	\$ -	\$ -
7/3/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
7/4/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
7/5/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
7/6/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
7/7/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3482	\$ 1,348.22	-	\$ -	\$ -	\$ -	\$ -
7/8/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.2826	\$ 1,282.64	-	\$ -	\$ -	\$ -	\$ -
7/9/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.2171	\$ 1,217.06	-	\$ -	\$ -	\$ -	\$ -
7/10/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.2473	\$ 1,247.33	-	\$ -	\$ -	\$ -	\$ -
7/11/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3633	\$ 1,363.35	-	\$ -	\$ -	\$ -	\$ -
7/12/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3633	\$ 1,363.35	-	\$ -	\$ -	\$ -	\$ -
7/13/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3633	\$ 1,363.35	-	\$ -	\$ -	\$ -	\$ -
7/14/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4340	\$ 1,433.97	-	\$ -	\$ -	\$ -	\$ -
7/15/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3835	\$ 1,383.53	-	\$ -	\$ -	\$ -	\$ -
7/16/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4340	\$ 1,433.97	-	\$ -	\$ -	\$ -	\$ -
7/17/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.3886	\$ 1,388.57	-	\$ -	\$ -	\$ -	\$ -
7/18/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4491	\$ 1,449.10	-	\$ -	\$ -	\$ -	\$ -
7/19/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4491	\$ 1,449.10	-	\$ -	\$ -	\$ -	\$ -
7/20/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4491	\$ 1,449.10	-	\$ -	\$ -	\$ -	\$ -
7/21/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4895	\$ 1,489.46	-	\$ -	\$ -	\$ -	\$ -
7/22/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4995	\$ 1,499.55	-	\$ -	\$ -	\$ -	\$ -
7/23/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.5399	\$ 1,539.90	-	\$ -	\$ -	\$ -	\$ -
7/24/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4340	\$ 1,433.97	-	\$ -	\$ -	\$ -	\$ -
7/25/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4390	\$ 1,439.01	-	\$ -	\$ -	\$ -	\$ -
7/26/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4390	\$ 1,439.01	-	\$ -	\$ -	\$ -	\$ -
7/27/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.4390	\$ 1,439.01	-	\$ -	\$ -	\$ -	\$ -
7/28/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.7316	\$ 1,731.59	-	\$ -	\$ -	\$ -	\$ -
7/29/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.6912	\$ 1,691.23	-	\$ -	\$ -	\$ -	\$ -
7/30/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.5954	\$ 1,595.39	-	\$ -	\$ -	\$ -	\$ -
7/31/15	-	\$ -	\$ 7,000	\$ 1.38883	\$ 9,717.92	1,000	\$ 1.5752	\$ 1,575.21	-	\$ -	\$ -	\$ -	\$ -
Total	-	\$ 0.00	217,000	\$ 1.38883	\$ 301,255.51	27,000	\$ 1.4261	\$ 38,505.33	-	#DIV/0!			

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 33 of 86

## National Grid Transaction Summary: July 2015

Attachment 3  
 Docket 4038 - NGPMP Annual Report  
 June 2, 2016  
 Page 12 of 36

501 Swing-On-Storage Activity				Total Delivered	
INJECTIONS		WITHDRAWALS		Delivered Volume	Amount
Volume	Price	Amount	Volume	Price	Amount
7/1/15	\$ (795)	\$ 1,2877	\$ (1,023.71)	\$ -	\$ -
7/2/15	\$ (345)	\$ 1,1717	\$ (404.22)	\$ -	\$ -
7/3/15	\$ -	\$ -	\$ 3,245	\$ 2,2785	\$ 7,393.78
7/4/15	\$ -	\$ -	\$ 1,279	\$ 2,2773	\$ 2,912.65
7/5/15	\$ -	\$ -	\$ 2,756	\$ 2,2761	\$ 6,272.82
7/6/15	\$ -	\$ -	\$ 1,426	\$ 2,2748	\$ 3,243.90
7/7/15	\$ (376)	\$ 1,3482	\$ (506.93)	\$ -	\$ -
7/8/15	\$ (1,914)	\$ 1,3331	\$ (2,551.52)	\$ -	\$ -
7/9/15	\$ (2,976)	\$ 1,3307	\$ (3,960.29)	\$ -	\$ -
7/10/15	\$ -	\$ -	\$ 1,002	\$ 2,2601	\$ 2,264.61
7/11/15	\$ -	\$ -	\$ 986	\$ 2,2589	\$ 2,227.28
7/12/15	\$ -	\$ -	\$ 1,290	\$ 2,2577	\$ 2,912.46
7/13/15	\$ -	\$ -	\$ 1,026	\$ 2,2565	\$ 2,315.20
7/14/15	\$ (563)	\$ 1,4340	\$ (807.33)	\$ -	\$ -
7/15/15	\$ -	\$ -	\$ 365	\$ 2,2533	\$ 822.47
7/16/15	\$ (2,700)	\$ 1,4052	\$ (3,794.04)	\$ -	\$ -
7/17/15	\$ (2,294)	\$ 1,3884	\$ (3,185.00)	\$ -	\$ -
7/18/15	\$ (3,290)	\$ 1,4068	\$ (4,628.25)	\$ -	\$ -
7/19/15	\$ (3,507)	\$ 1,4056	\$ (4,929.51)	\$ -	\$ -
7/20/15	\$ (632)	\$ 1,4491	\$ (915.83)	\$ -	\$ -
7/21/15	\$ -	\$ -	\$ 43	\$ 2,2266	\$ 95.74
7/22/15	\$ (756)	\$ 1,4995	\$ (1,133.66)	\$ -	\$ -
7/23/15	\$ -	\$ -	\$ 598	\$ 2,2235	\$ 1,329.66
7/24/15	\$ -	\$ -	\$ 2,001	\$ 2,2224	\$ 4,447.08
7/25/15	\$ -	\$ -	\$ 1,161	\$ 2,2213	\$ 2,578.98
7/26/15	\$ -	\$ -	\$ 1,909	\$ 2,2203	\$ 4,238.48
7/27/15	\$ (226)	\$ 1,4390	\$ (325.22)	\$ -	\$ -
7/28/15	\$ (958)	\$ 1,7316	\$ (1,658.86)	\$ -	\$ -
7/29/15	\$ (1,961)	\$ 1,5428	\$ (3,025.37)	\$ -	\$ -
7/30/15	\$ (96)	\$ 1,5954	\$ (153.16)	\$ -	\$ -
7/31/15	\$ (576)	\$ 1,5752	\$ (907.32)	\$ -	\$ -
Total	\$ (23,965)	\$ 1,4150	\$ (33,910.21)	\$ 19,087	\$ 2,2557 \$ 43,055.12
				606,853	\$ 860,385.34 \$ 860,385.34

The Narragansett Electric Company  
 d/b/a National Grid  
 RIPUC Docket No. 4647  
 Attachment SAM-3  
 Page 34 of 86

## National Grid Transaction Summary: August 2015

	AGT			Storage		
	Baseload		Amount	Volume	Price	Amount
	Volume	Price		Volume		Volume
8/1/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4437	\$ 2,887.34
8/2/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4437	\$ 2,887.34
8/3/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4437	\$ 2,887.34
8/4/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4906	\$ 2,981.17
8/5/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4802	\$ 2,960.32
8/6/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3603	\$ 2,720.54
8/7/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.3394	\$ 1,339.42
8/8/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.3238	\$ 1,323.78
8/9/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.3238	\$ 1,323.78
8/10/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.3238	\$ 1,323.78
8/11/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6313	\$ 1,631.32
8/12/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6887	\$ 1,688.66
8/13/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.7043	\$ 1,704.30
8/14/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6574	\$ 1,657.39
8/15/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6000	\$ 1,600.05
8/16/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6000	\$ 1,600.05
8/17/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.6000	\$ 1,600.05
8/18/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.6365	\$ 3,273.07
8/19/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.4332	\$ 2,866.49
8/20/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3238	\$ 2,647.57
8/21/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3603	\$ 2,720.54
8/22/2015	10,000	\$ 1.3793	\$ 13,792.75	3,000	\$ 1.3186	\$ 3,955.71
8/23/2015	10,000	\$ 1.3793	\$ 13,792.75	3,000	\$ 1.3186	\$ 3,955.71
8/24/2015	10,000	\$ 1.3793	\$ 13,792.75	3,000	\$ 1.3186	\$ 3,955.71
8/25/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3342	\$ 2,668.42
8/26/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3134	\$ 2,626.72
8/27/2015	10,000	\$ 1.3793	\$ 13,792.75	2,000	\$ 1.3134	\$ 2,626.72
8/28/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.2508	\$ 1,250.81
8/29/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.2508	\$ 1,250.81
8/30/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.2508	\$ 1,250.81
8/31/2015	10,000	\$ 1.3793	\$ 13,792.75	1,000	\$ 1.2508	\$ 1,250.81
Total	310,000	\$ 1.3793	\$ 427,575.34	50,000	\$ 1.4083	\$ 70,416.53
					#DIV/0!	\$ 0.00

## National Grid Transaction Summary: August 2015

TGP									
Canadian	Volume	Price	Amount	Baseload	Volume	Price	Amount	Swing	Storage
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume
8/1/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4926	\$ 1,492.58
8/2/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4926	\$ 1,492.58
8/3/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4926	\$ 1,492.58
8/4/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5582	\$ 1,558.16
8/5/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5329	\$ 1,532.94
8/6/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4623	\$ 1,462.32
8/7/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4169	\$ 1,416.92
8/8/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4775	\$ 1,477.45
8/9/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4775	\$ 1,477.45
8/10/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.4775	\$ 1,477.45
8/11/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.6439	\$ 1,643.92
8/12/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7751	\$ 1,775.07
8/13/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.8154	\$ 1,815.43
8/14/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.8003	\$ 1,800.29
8/15/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7246	\$ 1,724.63
8/16/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7246	\$ 1,724.63
8/17/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7246	\$ 1,724.63
8/18/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7852	\$ 1,785.16
8/19/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.6036	\$ 1,603.56
8/20/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5481	\$ 1,548.07
8/21/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5531	\$ 1,553.12
8/22/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5935	\$ 1,593.47
8/23/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5935	\$ 1,593.47
8/24/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5935	\$ 1,593.47
8/25/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.5682	\$ 1,568.25
8/26/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.6288	\$ 1,628.78
8/27/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.9314	\$ 1,931.45
8/28/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7448	\$ 1,744.80
8/29/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7448	\$ 1,744.80
8/30/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7448	\$ 1,744.80
8/31/2015	-	\$ -	\$ -	7,000	\$ 1.4791	\$ 10,353.51	1,000	\$ 1.7448	\$ 1,744.80
Total	-	\$ 0.00	217,000	\$ 1.4791	\$ 320,958.90	31,000	\$ 1.6280	\$ 50,467.04	\$ -

## National Grid Transaction Summary: August 2015

501 Swing-On-Storage Activity					
INJECTIONS			WITHDRAWALS		
Volume	Price	Amount	Volume	Price	Amount
8/1/2015 (2,630)	\$ 1.4842	\$ (3,903.47)	-	\$ -	\$ -
8/2/2015 (1,846)	\$ 1.4864	\$ (2,743.88)	-	\$ -	\$ -
8/3/2015 (1,256)	\$ 1.4898	\$ (1,871.23)	-	\$ -	\$ -
8/4/2015 (2,396)	\$ 1.5121	\$ (3,622.95)	-	\$ -	\$ -
8/5/2015 (721)	\$ 1.5329	\$ (1,105.25)	-	\$ -	\$ -
8/6/2015 (3)	\$ 1.4623	\$ (4.39)	-	\$ -	\$ -
8/7/2015 (637)	\$ 1.4169	\$ (902.58)	-	\$ -	\$ -
8/8/2015 (627)	\$ 1.4775	\$ (926.36)	-	\$ -	\$ -
8/9/2015 -	\$ -	\$ -	949	\$ 468,465.9000	\$ 444,574,139.10
8/10/2015 (1,124)	\$ 1.4776	\$ (1,660.86)	-	\$ -	\$ -
8/11/2015 (783)	\$ 1.6439	\$ (1,287.19)	-	\$ -	\$ -
8/12/2015 (517)	\$ 1.7751	\$ (917.71)	-	\$ -	\$ -
8/13/2015 -	\$ -	\$ -	1,293	\$ 473,655.8232	\$ 612,436,979.40
8/14/2015 (2,572)	\$ 1.6040	\$ (4,125.40)	-	\$ -	\$ -
8/15/2015 (711)	\$ 1.7246	\$ (1,226.21)	-	\$ -	\$ -
8/16/2015 (1,912)	\$ 1.6075	\$ (3,073.54)	-	\$ -	\$ -
8/17/2015 (195)	\$ 1.7246	\$ (336.30)	-	\$ -	\$ -
8/18/2015 (1,469)	\$ 1.6874	\$ (2,478.84)	-	\$ -	\$ -
8/19/2015 -	\$ -	\$ -	844	\$ 482,304.0432	\$ 407,064,612.46
8/20/2015 (957)	\$ 1.5481	\$ (1,481.51)	-	\$ -	\$ -
8/21/2015 (1,117)	\$ 1.5454	\$ (1,726.17)	-	\$ -	\$ -
8/22/2015 (971)	\$ 1.5935	\$ (1,547.26)	-	\$ -	\$ -
8/23/2015 -	\$ -	\$ -	237	\$ 482,812.5288	\$ 114,426,569.33
8/24/2015 (1,726)	\$ 1.5454	\$ (2,667.28)	-	\$ -	\$ -
8/25/2015 (418)	\$ 1.5682	\$ (655.53)	-	\$ -	\$ -
8/26/2015 -	\$ -	\$ -	1,139	\$ -	\$ -
8/27/2015 -	\$ -	\$ -	814	\$ -	\$ -
8/28/2015 (491)	\$ 1.7448	\$ (856.70)	-	\$ -	\$ -
8/29/2015 -	\$ -	\$ -	538	\$ -	\$ -
8/30/2015 (262)	\$ 1.7448	\$ (457.14)	-	\$ -	\$ -
8/31/2015 (1,336)	\$ 1.6780	\$ (2,241.77)	-	\$ -	\$ -
Total	\$ (26,677)	\$ 1.5676	\$ (41,819.50)	\$ 5,814	\$ 271,500.2236
				\$ 1,577,502,300.28	\$ 587,137
				\$ 1,579,329,898.59	\$ 1,579,329,898.59

National Grid Transaction Summary: September 2015

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 38 of 86

AGT	Baseload			Swing			Storage			Amount	
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price			
9/1/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/2/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/3/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/4/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/5/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/6/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/7/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/8/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/9/15	11,000	\$ 1.2508	\$ 13,759.10	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
9/10/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.5427	\$ 1,542.71	-	\$ -	\$ -	\$ -	
9/11/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.3655	\$ 1,365.48	-	\$ -	\$ -	\$ -	
9/12/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.2612	\$ 1,261.23	-	\$ -	\$ -	\$ -	
9/13/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.2612	\$ 1,261.23	-	\$ -	\$ -	\$ -	
9/14/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.2612	\$ 1,261.23	-	\$ -	\$ -	\$ -	
9/15/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.4280	\$ 1,428.03	-	\$ -	\$ -	\$ -	
9/16/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.3863	\$ 1,386.33	-	\$ -	\$ -	\$ -	
9/17/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.4697	\$ 1,469.73	-	\$ -	\$ -	\$ -	
9/18/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.6261	\$ 1,626.11	-	\$ -	\$ -	\$ -	
9/19/15	11,000	\$ 1.2508	\$ 13,759.10	1,786	\$ 1.3498	\$ 2,410.82	-	\$ -	\$ -	\$ -	
9/20/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.3498	\$ 2,699.69	-	\$ -	\$ -	\$ -	
9/21/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.3498	\$ 2,699.69	-	\$ -	\$ -	\$ -	
9/22/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.4020	\$ 2,803.94	-	\$ -	\$ -	\$ -	
9/23/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.4280	\$ 1,428.03	-	\$ -	\$ -	\$ -	
9/24/15	11,000	\$ 1.2508	\$ 13,759.10	1,000	\$ 1.4072	\$ 1,407.18	-	\$ -	\$ -	\$ -	
9/25/15	11,000	\$ 1.2508	\$ 13,759.10	3,000	\$ 1.3446	\$ 4,033.90	-	\$ -	\$ -	\$ -	
9/26/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.1570	\$ 2,313.96	-	\$ -	\$ -	\$ -	
9/27/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.1570	\$ 2,313.96	-	\$ -	\$ -	\$ -	
9/28/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.1570	\$ 2,313.96	-	\$ -	\$ -	\$ -	
9/29/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.3394	\$ 2,678.84	-	\$ -	\$ -	\$ -	
9/30/15	11,000	\$ 1.2508	\$ 13,759.10	2,000	\$ 1.3811	\$ 2,762.24	-	\$ -	\$ -	\$ -	
Total	330,000	\$ 1.2508	\$ 412,772.93	31,786	\$ 1.3361	\$ 42,468.35	-	\$ 0.00	#DIV/0!	-	

## National Grid Transaction Summary: September 2015

Attachment 3  
 Docket 4038 - NGMP Annual Report  
 June 2, 2016  
 Page 17 of 36

The Narragansett Electric Company  
 d/b/a National Grid  
 RIPUC Docket No. 4647  
 Attachment SAM-3  
 Page 39 of 86

Baseload			TGP			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
9/1/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.8793	\$ 1,879.31	-	\$ -	\$ -
9/2/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7179	\$ 1,717.89	-	\$ -	\$ -
9/3/15	\$ 1.5900	\$ 9,144.38	-	\$ -	\$ -	-	\$ -	\$ -
9/4/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7280	\$ 1,727.98	-	\$ -	\$ -
9/5/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7936	\$ 1,793.56	-	\$ -	\$ -
9/6/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7936	\$ 1,793.56	-	\$ -	\$ -
9/7/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7936	\$ 1,793.56	-	\$ -	\$ -
9/8/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.7936	\$ 1,793.56	-	\$ -	\$ -
9/9/15	\$ 1.5900	\$ 11,130.35	1,497	\$ 1.9149	\$ 2,866.57	-	\$ -	\$ -
9/10/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/11/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/12/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/13/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/14/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/15/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/16/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/17/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/18/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/19/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/20/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/21/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/22/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.9499	\$ 1,949.93	-	\$ -	\$ -
9/23/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/24/15	\$ 1.5900	\$ 11,130.35	-	\$ -	\$ -	-	\$ -	\$ -
9/25/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.6624	\$ 1,662.40	-	\$ -	\$ -
9/26/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.5666	\$ 1,566.56	-	\$ -	\$ -
9/27/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.5666	\$ 1,566.56	-	\$ -	\$ -
9/28/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.5666	\$ 1,566.56	-	\$ -	\$ -
9/29/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.4758	\$ 1,475.76	-	\$ -	\$ -
9/30/15	\$ 1.5900	\$ 11,130.35	1,000	\$ 1.5161	\$ 1,516.11	-	\$ -	\$ -
Total	\$ 208,751	\$ 1,5900	\$ 331,924.50	\$ 15,497	\$ 1,7210	\$ 26,669.86	-	#DIV/0!

## National Grid Transaction Summary: September 2015

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 18 of 36

501 Swing-On-Storage Activity						Total Delivered Amount	Amount Due
INJECTIONS			WITHDRAWALS			Delivered Volume	
Volume	Price	Amount	Volume	Price	Amount		
9/1/15	-	\$	-	\$	-		
9/2/15	(3,185)	\$	1,6302	\$	(5,192.15)		
9/3/15	(571)	\$	1,5900	\$	(907.92)		
9/4/15	(1,133)	\$	1,7118	\$	(1,939.46)		
9/5/15	(205)	\$	1,7936	\$	(367.68)		
9/6/15	(1,301)	\$	1,7465	\$	(2,272.16)		
9/7/15	(3,991)	\$	1,6410	\$	(6,549.40)		
9/8/15	(1,593)	\$	1,7178	\$	(2,736.46)		
9/9/15	(2,389)	\$	1,7936	\$	(4,284.90)		
9/10/15	-	\$	-	\$	6,500		
9/11/15	(1,139)	\$	1,5900	\$	(1,811.07)		
9/12/15	(2,020)	\$	1,5900	\$	(3,211.90)		
9/13/15	(1,950)	\$	1,5900	\$	(3,100.60)		
9/14/15	(718)	\$	1,5900	\$	(1,141.66)		
9/15/15	(714)	\$	1,5900	\$	(1,135.30)		
9/16/15	-	\$	-	\$	259		
9/17/15	(687)	\$	1,5900	\$	(1,092.36)		
9/18/15	(1,602)	\$	1,5900	\$	(2,547.26)		
9/19/15	(947)	\$	1,5900	\$	(1,505.78)		
9/20/15	(1,632)	\$	1,5900	\$	(2,594.96)		
9/21/15	(1,222)	\$	1,5900	\$	(1,943.04)		
9/22/15	(2,709)	\$	1,7229	\$	(4,667.33)		
9/23/15	-	\$	-	\$	-		
9/24/15	-	\$	-	\$	1,869		
9/25/15	(2,055)	\$	1,6253	\$	(3,339.90)		
9/26/15	(1,670)	\$	1,5760	\$	(2,631.89)		
9/27/15	(1,075)	\$	1,5682	\$	(1,685.81)		
9/28/15	(2,442)	\$	1,5804	\$	(3,859.41)		
9/29/15	(1,348)	\$	1,5053	\$	(2,029.10)		
9/30/15	(1,213)	\$	1,5291	\$	(1,854.80)		
Total	(39,511)	\$	1,6300	\$	(64,402.27)	9,480	\$ - \$ 749,433.37
							\$ 556,003

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 40 of 86

## National Grid Transaction Summary: October 2015

Baseload			AGT			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
10/1/15	15,000	\$ 1.3186	\$ 19,778.56	6,000	\$ 1.3575	\$ 8,145.27	-	\$ -
10/2/15	15,000	\$ 1.3186	\$ 19,778.56	7,000	\$ 1.3502	\$ 9,451.15	-	\$ -
10/3/15	15,000	\$ 1.3186	\$ 19,778.56	5,000	\$ 1.0006	\$ 5,003.03	10,000	\$ 2,6055
10/4/15	15,000	\$ 1.3186	\$ 19,778.56	5,000	\$ 1.0006	\$ 5,003.03	5,000	\$ 2,6037
10/5/15	15,000	\$ 1.3186	\$ 19,778.56	5,000	\$ 1.0006	\$ 5,003.03	-	\$ 13,018.48
10/6/15	15,000	\$ 1.3186	\$ 19,778.56	2,000	\$ 1.3186	\$ 2,637.14	-	\$ -
10/7/15	15,000	\$ 1.3186	\$ 19,778.56	1,000	\$ 1.1883	\$ 1,188.26	-	\$ -
10/8/15	15,000	\$ 1.3186	\$ 19,778.56	3,000	\$ 1.0892	\$ 3,267.66	-	\$ -
10/9/15	15,000	\$ 1.3186	\$ 19,778.56	-	\$ -	-	-	\$ -
10/10/15	15,000	\$ 1.3186	\$ 19,778.56	-	\$ -	-	-	\$ -
10/11/15	15,000	\$ 1.3186	\$ 19,778.56	-	\$ -	-	-	\$ -
10/12/15	15,000	\$ 1.3186	\$ 19,778.56	-	\$ -	-	-	\$ -
10/13/15	15,000	\$ 1.3186	\$ 19,778.56	-	\$ -	-	-	\$ -
10/14/15	15,000	\$ 1.3186	\$ 19,778.56	8,000	\$ 1.2205	\$ 9,763.74	-	\$ -
10/15/15	15,000	\$ 1.3186	\$ 19,778.56	7,000	\$ 1.2791	\$ 8,953.94	-	\$ -
10/16/15	15,000	\$ 1.3186	\$ 19,778.56	10,000	\$ 1.5665	\$ 15,665.45	-	\$ -
10/17/15	15,000	\$ 1.3186	\$ 19,778.56	33,000	\$ 2.0159	\$ 66,525.77	-	\$ -
10/18/15	15,000	\$ 1.3186	\$ 19,778.56	33,000	\$ 2.0159	\$ 66,525.77	15,000	\$ 2,5607
10/19/15	15,000	\$ 1.3186	\$ 19,778.56	33,000	\$ 2.0159	\$ 66,525.77	-	\$ -
10/20/15	15,000	\$ 1.3186	\$ 19,778.56	7,000	\$ 1.9038	\$ 13,326.94	-	\$ -
10/21/15	15,000	\$ 1.3186	\$ 19,778.56	6,000	\$ 1.8276	\$ 10,965.49	-	\$ -
10/22/15	15,000	\$ 1.3186	\$ 19,778.56	8,055	\$ 1.7755	\$ 14,301.67	-	\$ -
10/23/15	15,000	\$ 1.3186	\$ 19,778.56	27,000	\$ 1.9795	\$ 53,446.35	-	\$ -
10/24/15	15,000	\$ 1.3186	\$ 19,778.56	17,000	\$ 1.6888	\$ 28,709.96	7,000	\$ 2,5435
10/25/15	10,600	\$ 1.3186	\$ 13,976.85	17,000	\$ 1.6888	\$ 28,709.96	-	\$ -
10/26/15	15,000	\$ 1.3186	\$ 19,778.56	17,000	\$ 1.6888	\$ 28,709.96	10,000	\$ 2,5352
10/27/15	15,000	\$ 1.3186	\$ 19,778.56	22,000	\$ 1.8514	\$ 40,731.12	7,000	\$ 2,5321
10/28/15	15,000	\$ 1.3186	\$ 19,778.56	5,000	\$ 1.4176	\$ 7,088.04	5,000	\$ 2,5303
10/29/15	15,000	\$ 1.3186	\$ 19,778.56	8,000	\$ 1.5008	\$ 12,006.12	-	\$ -
10/30/15	15,000	\$ 1.3186	\$ 19,778.56	23,000	\$ 1.3468	\$ 30,975.37	-	\$ -
10/31/15	15,000	\$ 1.3186	\$ 19,778.56	23,000	\$ 1.3468	\$ 30,975.37	-	\$ -
Total	460,600	\$ 1.3186	\$ 607,333.61	338,055	\$ 1.6968	\$ 573,605.35	59,000	\$ 2,5596
								\$ 151,015.47

## National Grid Transaction Summary: October 2015

TGP											
	Canadian	Baseload			Swing			Storage			
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
10/1/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	1,000	\$ 1.5828	\$ 1,582.83	-	\$ -	\$ -
10/2/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	1,000	\$ 1.5980	\$ 1,597.96	-	\$ -	\$ -
10/3/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/4/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/5/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/6/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/7/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/8/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/9/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/10/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/11/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/12/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/13/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/14/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/15/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/16/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	1,000	\$ 1.6333	\$ 1,633.27	-	\$ -	\$ -
10/17/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	18,000	\$ 1.8905	\$ 34,029.66	-	\$ -	\$ -
10/18/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	18,000	\$ 1.8905	\$ 34,029.66	-	\$ -	\$ -
10/19/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	18,000	\$ 1.8905	\$ 34,029.66	-	\$ -	\$ -
10/20/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	1,000	\$ 1.9258	\$ 1,925.85	-	\$ -	\$ -
10/21/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/22/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	-	\$ -	\$ -	-	\$ -	\$ -
10/23/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	12,000	\$ 1.9158	\$ 22,989.10	-	\$ -	\$ -
10/24/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	8,000	\$ 1.7997	\$ 14,397.90	5,000	\$ 2.0872	\$ 10,436.22
10/25/15	-	\$ -	7,772	\$ 1.6429	\$ 12,768.34	8,000	\$ 1.7997	\$ 14,397.90	-	\$ -	\$ -
10/26/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	8,000	\$ 1.7997	\$ 14,397.90	5,000	\$ 2.0858	\$ 10,429.01
10/27/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	8,000	\$ 1.8300	\$ 14,640.03	-	\$ -	\$ -
10/28/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	1,000	\$ 1.5778	\$ 1,577.78	5,000	\$ 2.0847	\$ 10,423.43
10/29/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	4,000	\$ 1.5173	\$ 6,069.01	-	\$ -	\$ -
10/30/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	14,000	\$ 1.4466	\$ 20,252.82	-	\$ -	\$ -
10/31/15	-	\$ -	9,000	\$ 1.6412	\$ 14,770.48	14,000	\$ 1.4466	\$ 20,252.82	-	\$ -	\$ -
Total	-	\$ 0.00	277,772	\$ 1.6412	\$ 455,882.65	135,000	\$ 1.7615	\$ 237,804.18	15,000	\$ 2.0859	31,289

## National Grid Transaction Summary: October 2015

501 Swing-On-Storage Activity						WITHDRAWALS			Total Delivered Volume	Total Delivered Amount	Amount Due
INJECTIONS			Volume	Price	Amount	Volume	Price	Amount			
10/1/15	(4,799)	\$ 1,6290	\$ (7,817.61)	-	\$ -	\$ -	\$ -	\$ -	26,201	\$ 36,459.52	\$ 36,459.52
10/2/15	(3,016)	\$ 1,6268	\$ (4,906.55)	-	\$ -	\$ -	\$ -	\$ -	28,984	\$ 40,691.60	\$ 40,691.60
10/3/15	-	\$ -	\$ -	2,780	\$ 2,1173	\$ 5,885.97	41,780	\$ 71,492.57	\$ 71,492.57		
10/4/15	-	\$ -	\$ -	1,187	\$ 2,1171	\$ 2,513.05	35,187	\$ 55,083.60	\$ 55,083.60		
10/5/15	-	\$ -	\$ -	4,440	\$ 2,1170	\$ 9,399.63	33,440	\$ 48,951.69	\$ 48,951.69		
10/6/15	-	\$ -	\$ -	153	\$ 2,1169	\$ 323.89	26,153	\$ 37,510.07	\$ 37,510.07		
10/7/15	-	\$ -	\$ -	629	\$ 2,1168	\$ 1,331.47	25,629	\$ 37,068.77	\$ 37,068.77		
10/8/15	(3,523)	\$ 1,6412	\$ (5,781.82)	-	\$ -	\$ -	23,477	\$ 32,034.87	\$ 32,034.87		
10/9/15	(1,946)	\$ 1,6412	\$ (3,193.71)	-	\$ -	\$ -	22,054	\$ 31,355.33	\$ 31,355.33		
10/10/15	(3,328)	\$ 1,6412	\$ (5,461.79)	-	\$ -	\$ -	20,672	\$ 29,087.24	\$ 29,087.24		
10/11/15	(910)	\$ 1,6412	\$ (1,493.46)	-	\$ -	\$ -	23,090	\$ 33,055.58	\$ 33,055.58		
10/12/15	(579)	\$ 1,6412	\$ (950.23)	-	\$ -	\$ -	23,421	\$ 33,598.80	\$ 33,598.80		
10/13/15	-	\$ -	\$ -	1,530	\$ 2,1094	\$ 3,227.45	25,530	\$ 37,776.48	\$ 37,776.48		
10/14/15	(5,117)	\$ 1,6412	\$ (8,397.84)	-	\$ -	\$ -	26,883	\$ 35,914.94	\$ 35,914.94		
10/15/15	-	\$ -	\$ -	5,266	\$ 2,1060	\$ 11,090.09	36,266	\$ 54,593.07	\$ 54,593.07		
10/16/15	-	\$ -	\$ -	8,632	\$ 2,1059	\$ 18,177.90	43,632	\$ 70,025.66	\$ 70,025.66		
10/17/15	(5,473)	\$ 1,8905	\$ (10,346.91)	-	\$ -	\$ -	69,527	\$ 124,757.56	\$ 124,757.56		
10/18/15	-	\$ -	\$ -	7,588	\$ 2,1047	\$ 15,970.72	97,588	\$ 189,485.61	\$ 189,485.61		
10/19/15	-	\$ -	\$ -	1,874	\$ 2,1046	\$ 3,944.07	76,874	\$ 139,048.53	\$ 139,048.53		
10/20/15	-	\$ -	\$ -	251	\$ 2,1045	\$ 528.23	32,251	\$ 50,330.05	\$ 50,330.05		
10/21/15	-	\$ -	\$ -	394	\$ 2,1044	\$ 829.14	30,394	\$ 46,343.66	\$ 46,343.66		
10/22/15	(2,928)	\$ 1,6412	\$ (4,805.33)	-	\$ -	\$ -	29,127	\$ 44,045.38	\$ 44,045.38		
10/23/15	-	\$ -	\$ -	2,117	\$ 2,1023	\$ 4,450.64	65,117	\$ 115,435.13	\$ 115,435.13		
10/24/15	-	\$ -	\$ -	4,688	\$ 2,1022	\$ 9,855.24	65,688	\$ 115,752.59	\$ 115,752.59		
10/25/15	-	\$ -	\$ -	6,845	\$ 2,1021	\$ 14,389.01	50,217	\$ 84,242.07	\$ 84,242.07		
10/26/15	-	\$ -	\$ -	4,658	\$ 2,1020	\$ 9,791.17	68,658	\$ 123,228.76	\$ 123,228.76		
10/27/15	-	\$ -	\$ -	9,191	\$ 2,1019	\$ 19,318.57	70,191	\$ 126,963.38	\$ 126,963.38		
10/28/15	-	\$ -	\$ -	2,380	\$ 2,1018	\$ 5,002.26	42,380	\$ 71,292.03	\$ 71,292.03		
10/29/15	(5,625)	\$ 1,5530	\$ (8,735.90)	-	\$ -	\$ -	30,375	\$ 43,888.26	\$ 43,888.26		
10/30/15	(4,683)	\$ 1,4466	\$ (6,774.57)	-	\$ -	\$ -	56,317	\$ 79,002.66	\$ 79,002.66		
10/31/15	-	\$ -	\$ -	875	\$ 2,0919	\$ 1,830.38	61,875	\$ 87,607.61	\$ 87,607.61		
Total	(41,927)	\$ 1,6377	\$ (68,665.72)	65,478	\$ 2,1054	\$ 137,858.88	1,308,978	\$ 2,126,123.07	\$ 2,126,123.07		

## National Grid Transaction Summary: November 2015

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 44 of 86

Baseload			Swing			AGT			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
11/1/15	25,000	\$ 1.3603	\$ 34,006.77	8,000	\$ 1.0138	\$ 8,110.57	-	\$ -	\$ -	\$ -	\$ -
11/2/15	25,000	\$ 1.3603	\$ 34,006.77	8,000	\$ 1.0138	\$ 8,110.57	-	\$ -	\$ -	\$ -	\$ -
11/3/15	25,000	\$ 1.3603	\$ 34,006.77	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
11/4/15	25,000	\$ 1.3603	\$ 34,006.77	5,000	\$ 1.1365	\$ 5,682.45	-	\$ -	\$ -	\$ -	\$ -
11/5/15	25,000	\$ 1.3603	\$ 34,006.77	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
11/6/15	25,000	\$ 1.3603	\$ 34,006.77	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -
11/7/15	16,783	\$ 1.3603	\$ 22,829.43	17,000	\$ 1.2169	\$ 20,687.22	-	\$ -	\$ -	\$ -	\$ -
11/8/15	25,000	\$ 1.3603	\$ 34,006.77	17,000	\$ 1.2169	\$ 20,687.22	5,000	\$ 2.5150	\$ 12,575.17		
11/9/15	25,000	\$ 1.3603	\$ 34,006.77	17,000	\$ 1.2169	\$ 20,687.22	-	\$ -	\$ -	\$ -	\$ -
11/10/15	25,000	\$ 1.3603	\$ 34,006.77	10,000	\$ 1.2499	\$ 12,499.24	-	\$ -	\$ -	\$ -	\$ -
11/11/15	25,000	\$ 1.3603	\$ 34,006.77	16,000	\$ 1.3261	\$ 21,217.70	-	\$ -	\$ -	\$ -	\$ -
11/12/15	25,000	\$ 1.3603	\$ 34,006.77	10,000	\$ 1.2303	\$ 12,302.92	5,000	\$ 2.5141	\$ 12,570.47		
11/13/15	25,000	\$ 1.3603	\$ 34,006.77	16,000	\$ 1.3382	\$ 21,410.95	-	\$ -	\$ -	\$ -	\$ -
11/14/15	25,000	\$ 1.3603	\$ 34,006.77	16,000	\$ 1.2429	\$ 19,885.61	20,000	\$ 2.5131	\$ 50,262.98		
11/15/15	25,000	\$ 1.3603	\$ 34,006.77	16,000	\$ 1.2429	\$ 19,885.61	-	\$ -	\$ -	\$ -	\$ -
11/16/15	25,000	\$ 1.3603	\$ 34,006.77	16,000	\$ 1.2429	\$ 19,885.61	-	\$ -	\$ -	\$ -	\$ -
11/17/15	25,000	\$ 1.3603	\$ 34,006.77	26,000	\$ 1.6811	\$ 43,709.50	5,000	\$ 2.5145	\$ 12,572.39		
11/18/15	25,000	\$ 1.3603	\$ 34,006.77	21,000	\$ 1.6741	\$ 35,156.10	-	\$ -	\$ -	\$ -	\$ -
11/19/15	25,000	\$ 1.3603	\$ 34,006.77	8,000	\$ 1.5507	\$ 12,405.34	-	\$ -	\$ -	\$ -	\$ -
11/20/15	10,210	\$ 1.3603	\$ 13,888.37	37,000	\$ 1.9654	\$ 72,719.19	-	\$ -	\$ -	\$ -	\$ -
11/21/15	25,000	\$ 1.3603	\$ 34,006.77	39,000	\$ 1.9943	\$ 77,776.47	-	\$ -	\$ -	\$ -	\$ -
11/22/15	25,000	\$ 1.3603	\$ 34,006.77	39,000	\$ 1.9943	\$ 77,776.47	-	\$ -	\$ -	\$ -	\$ -
11/23/15	25,000	\$ 1.3603	\$ 34,006.77	39,000	\$ 1.9943	\$ 77,776.47	20,308	\$ 2.5101	\$ 50,974.98		
11/24/15	25,000	\$ 1.3603	\$ 34,006.77	59,000	\$ 2.0736	\$ 122,344.95	8,000	\$ 2.5111	\$ 20,089.05		
11/25/15	25,000	\$ 1.3603	\$ 34,006.77	44,000	\$ 1.9575	\$ 86,129.93	-	\$ -	\$ -	\$ -	\$ -
11/26/15	16,783	\$ 1.3603	\$ 22,829.43	22,000	\$ 1.6430	\$ 36,145.80	-	\$ -	\$ -	\$ -	\$ -
11/27/15	10,759	\$ 1.3603	\$ 14,635.15	22,000	\$ 1.6430	\$ 36,145.80	-	\$ -	\$ -	\$ -	\$ -
11/28/15	19,000	\$ 1.3603	\$ 25,845.15	22,000	\$ 1.6430	\$ 36,145.80	9,838	\$ 2.5044	\$ 24,638.39		
11/29/15	25,000	\$ 1.3603	\$ 34,006.77	22,000	\$ 1.6430	\$ 36,145.80	9,838	\$ 2.5027	\$ 24,621.14		
11/30/15	25,000	\$ 1.3603	\$ 34,006.77	22,000	\$ 1.6430	\$ 36,145.80	12,308	\$ 2.5029	\$ 30,805.25		
Total	698,535	\$ 1.3603	\$ 950,196.84	594,000	\$ 1.6794	\$ 997,576.31	95,292	\$ 2.5092	\$ 239,109.82		

## National Grid Transaction Summary: November 2015

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 23 of 36

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 45 of 86

TGP											
Canadian			Baseload			Swing			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
11/1/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	3,000	\$ 1.3216	\$ 3,964.69	-	\$ -	\$ -
11/2/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	3,000	\$ 1.3216	\$ 3,964.69	-	\$ -	\$ -
11/3/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	-	\$ -	\$ -	-	\$ -	\$ -
11/4/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	3,000	\$ 1.2358	\$ 3,707.43	-	\$ -	\$ -
11/5/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	-	\$ -	\$ -	-	\$ -	\$ -
11/6/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	-	\$ -	\$ -	-	\$ -	\$ -
11/7/15	-	\$ -	11,942	\$ 1.5594	\$ 18,621.81	12,000	\$ 1.3821	\$ 16,585.17	-	\$ -	\$ -
11/8/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	12,000	\$ 1.3821	\$ 16,585.17	5,000	\$ 2.0563	\$ 10,281.32
11/9/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	12,000	\$ 1.3821	\$ 16,585.17	-	\$ -	\$ -
11/10/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	5,000	\$ 1.4174	\$ 7,087.04	-	\$ -	\$ -
11/11/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	9,000	\$ 1.4679	\$ 13,210.67	-	\$ -	\$ -
11/12/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	4,000	\$ 1.4073	\$ 5,629.28	-	\$ -	\$ -
11/13/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	9,000	\$ 1.4376	\$ 12,938.27	-	\$ -	\$ -
11/14/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	9,000	\$ 1.4981	\$ 13,483.07	6,563	\$ 2.0485	\$ 13,444.37
11/15/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	9,000	\$ 1.4981	\$ 13,483.07	-	\$ -	\$ -
11/16/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	9,000	\$ 1.4981	\$ 13,483.07	-	\$ -	\$ -
11/17/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,000	\$ 1.6192	\$ 25,906.94	5,000	\$ 2.0476	\$ 10,237.79
11/18/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	11,000	\$ 1.6797	\$ 18,476.88	-	\$ -	\$ -
11/19/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	2,000	\$ 1.5940	\$ 3,187.92	-	\$ -	\$ -
11/20/15	-	\$ -	10,536	\$ 1.5633	\$ 16,471.31	16,435	\$ 1.8091	\$ 29,732.52	-	\$ -	\$ -
11/21/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9839	\$ 32,605.02	-	\$ -	\$ -
11/22/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9839	\$ 32,605.02	-	\$ -	\$ -
11/23/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9839	\$ 32,605.02	10,836	\$ 2.0468	\$ 22,179.45
11/24/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 2.0234	\$ 33,255.06	5,000	\$ 2.0469	\$ 10,234.65
11/25/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9782	\$ 32,511.85	-	\$ -	\$ -
11/26/15	-	\$ -	10,536	\$ 1.5633	\$ 16,471.31	16,435	\$ 1.9468	\$ 31,994.88	-	\$ -	\$ -
11/27/15	-	\$ -	10,536	\$ 1.5633	\$ 16,471.31	16,435	\$ 1.9468	\$ 31,994.88	-	\$ -	\$ -
11/28/15	-	\$ -	10,000	\$ 1.5651	\$ 15,651.49	16,435	\$ 1.9468	\$ 31,994.88	6,563	\$ 2.0454	\$ 13,423.81
11/29/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9468	\$ 31,994.88	6,563	\$ 2.0445	\$ 13,417.96
11/30/15	-	\$ -	15,000	\$ 1.5533	\$ 23,299.08	16,435	\$ 1.9468	\$ 31,994.88	10,836	\$ 2.0444	\$ 22,152.71
Total	-	\$ 0.00	428,550	\$ 1.5545	\$ 666,164.19	308,785	\$ 1.7539	\$ 541,567.41	56,361	\$ 2.0470	115,372

## National Grid Transaction Summary: November 2015

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 24 of 36

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 46 of 86

501 Swing-On-Storage Activity				WITHDRAWALS				Delivered Volume	Total Delivered Amount	Amount Due
INJECTIONS		Volume	Price	Volume	Price	Amount				
11/1/15	(3,777)	\$ 1,3692	\$ (5,171.59)	-	\$ -	\$ -	47,223	\$ 64,209.53	\$ 64,209.53	
11/2/15	-	\$ -	\$ -	757	\$ 2,0833	\$ 1,577.09	51,757	\$ 70,958.20	\$ 70,958.20	
11/3/15	(2,577)	\$ 1,5533	\$ (4,002.78)	-	\$ -	\$ -	37,423	\$ 53,303.07	\$ 53,303.07	
11/4/15	(8,610)	\$ 1,4427	\$ (12,421.29)	-	\$ -	\$ -	39,390	\$ 54,274.45	\$ 54,274.45	
11/5/15	(9,476)	\$ 1,5533	\$ (14,718.80)	-	\$ -	\$ -	30,524	\$ 42,587.05	\$ 42,587.05	
11/6/15	(9,340)	\$ 1,5533	\$ (14,507.56)	-	\$ -	\$ -	30,660	\$ 42,798.29	\$ 42,798.29	
11/7/15	(9,240)	\$ 1,3821	\$ (12,770.58)	-	\$ -	\$ -	48,485	\$ 65,953.05	\$ 65,953.05	
11/8/15	(10,002)	\$ 1,7191	\$ (17,194.57)	-	\$ -	\$ -	68,998	\$ 100,240.16	\$ 100,240.16	
11/9/15	(8,553)	\$ 1,3821	\$ (11,821.08)	-	\$ -	\$ -	60,447	\$ 82,757.16	\$ 82,757.16	
11/10/15	-	\$ -	\$ -	5,195	\$ 2,0376	\$ 10,585.30	60,195	\$ 87,477.43	\$ 87,477.43	
11/11/15	-	\$ -	\$ -	2,642	\$ 2,0376	\$ 5,383.32	67,642	\$ 97,117.54	\$ 97,117.54	
11/12/15	(2,822)	\$ 1,4073	\$ (3,971.46)	-	\$ -	\$ -	56,178	\$ 83,837.06	\$ 83,837.06	
11/13/15	(4,601)	\$ 1,4376	\$ (6,614.33)	-	\$ -	\$ -	60,399	\$ 85,040.74	\$ 85,040.74	
11/14/15	-	\$ -	\$ -	4,903	\$ 2,0312	\$ 9,958.82	96,466	\$ 164,340.70	\$ 164,340.70	
11/15/15	(2,991)	\$ 1,4981	\$ (4,480.87)	-	\$ -	\$ -	62,009	\$ 86,193.65	\$ 86,193.65	
11/16/15	-	\$ -	\$ -	5,659	\$ 2,0290	\$ 11,482.04	70,659	\$ 102,156.57	\$ 102,156.57	
11/17/15	-	\$ -	\$ -	7,952	\$ 2,0290	\$ 16,134.51	99,952	\$ 165,866.99	\$ 165,866.99	
11/18/15	-	\$ -	\$ -	8,471	\$ 2,0290	\$ 17,187.55	80,471	\$ 128,126.39	\$ 128,126.39	
11/19/15	-	\$ -	\$ -	861	\$ 2,0290	\$ 1,746.96	50,861	\$ 74,646.07	\$ 74,646.07	
11/20/15	(3,822)	\$ 1,8091	\$ (6,914.37)	-	\$ -	\$ -	70,359	\$ 125,897.02	\$ 125,897.02	
11/21/15	(4,599)	\$ 1,9839	\$ (9,123.85)	-	\$ -	\$ -	90,836	\$ 158,563.48	\$ 158,563.48	
11/22/15	-	\$ -	\$ -	898	\$ 2,0289	\$ 1,821.99	96,333	\$ 169,509.33	\$ 169,509.33	
11/23/15	-	\$ -	\$ -	6,488	\$ 2,0289	\$ 13,163.81	133,067	\$ 254,005.57	\$ 254,005.57	
11/24/15	-	\$ -	\$ -	6,580	\$ 2,0289	\$ 13,350.47	135,015	\$ 256,580.03	\$ 256,580.03	
11/25/15	-	\$ -	\$ -	5,626	\$ 2,0289	\$ 11,414.85	106,061	\$ 187,362.49	\$ 187,362.49	
11/26/15	-	\$ -	\$ -	548	\$ 2,0289	\$ 1,111.86	66,302	\$ 108,553.28	\$ 108,553.28	
11/27/15	(9,974)	\$ 1,9468	\$ (19,416.91)	-	\$ -	\$ -	49,756	\$ 79,830.24	\$ 79,830.24	
11/28/15	(7,472)	\$ 2,0334	\$ (15,193.41)	-	\$ -	\$ -	76,364	\$ 132,506.11	\$ 132,506.11	
11/29/15	-	\$ -	\$ -	1,913	\$ 2,0291	\$ 3,881.69	96,749	\$ 167,367.31	\$ 167,367.31	
11/30/15	-	\$ -	\$ -	9,556	\$ 2,0291	\$ 19,390.17	111,135	\$ 197,794.66	\$ 197,794.66	
Total	(97,856)	\$ 1,6179	\$ (158,323.45)	68,049	\$ 2,0307	\$ 138,190.44	2,151,716	\$ 3,489,853.62	\$ 3,489,853.62	

National Grid Transaction Summary: December 2015

AGT	Storage						Volume	Price	Amount			
	Baseload			Swing								
	Volume	Price	Amount	Volume	Price	Amount						
12/1/15	40,000	\$ 1.9827	\$ 79,309.80	15,000	\$ 1.8954	\$ 28,431.30	5,000	\$ 2.4880	\$ 12,440.13			
12/2/15	40,000	\$ 1.9827	\$ 79,309.80	13,000	\$ 1.9094	\$ 24,821.96	-	\$ -	\$ -			
12/3/15	32,000	\$ 2.0625	\$ 65,998.63	40,000	\$ 2.1274	\$ 85,095.98	-	\$ -	\$ -			
12/4/15	31,700	\$ 2.0662	\$ 65,499.46	40,000	\$ 2.0517	\$ 82,067.47	-	\$ -	\$ -			
12/5/15	40,000	\$ 1.9827	\$ 79,309.80	28,000	\$ 1.9743	\$ 55,279.40	-	\$ -	\$ -			
12/6/15	40,000	\$ 1.9827	\$ 79,309.80	28,000	\$ 1.9743	\$ 55,279.40	-	\$ -	\$ -			
12/7/15	40,000	\$ 1.9827	\$ 79,309.80	28,000	\$ 1.9743	\$ 55,279.40	-	\$ -	\$ -			
12/8/15	40,000	\$ 1.9827	\$ 79,309.80	34,000	\$ 1.9657	\$ 66,834.65	-	\$ -	\$ -			
12/9/15	40,000	\$ 1.9827	\$ 79,309.80	18,000	\$ 1.8444	\$ 33,199.90	-	\$ -	\$ -			
12/10/15	40,000	\$ 1.9827	\$ 79,309.80	5,000	\$ 1.4522	\$ 7,261.10	-	\$ -	\$ -			
12/11/15	40,000	\$ 1.9827	\$ 79,309.80	4,500	\$ 1.2951	\$ 5,827.76	-	\$ -	\$ -			
12/12/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/13/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/14/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/15/15	40,000	\$ 1.9827	\$ 79,309.80	5,000	\$ 1.3596	\$ 6,798.15	-	\$ -	\$ -			
12/16/15	40,000	\$ 1.9827	\$ 79,309.80	12,000	\$ 1.5364	\$ 18,436.99	-	\$ -	\$ -			
12/17/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/18/15	40,000	\$ 1.9827	\$ 79,309.80	23,000	\$ 1.6625	\$ 38,237.82	-	\$ -	\$ -			
12/19/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/20/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/21/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/22/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/23/15	31,695	\$ 2.0663	\$ 65,491.14	-	\$ -	\$ -	-	\$ -	\$ -			
12/24/15	24,394	\$ 2.1738	\$ 53,028.67	-	\$ -	\$ -	-	\$ -	\$ -			
12/25/15	25,080	\$ 2.1724	\$ 54,484.46	-	\$ -	\$ -	-	\$ -	\$ -			
12/26/15	34,000	\$ 2.0390	\$ 69,326.42	-	\$ -	\$ -	-	\$ -	\$ -			
12/27/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/28/15	40,000	\$ 1.9827	\$ 79,309.80	-	\$ -	\$ -	-	\$ -	\$ -			
12/29/15	40,000	\$ 1.9827	\$ 79,309.80	30,000	\$ 1.9889	\$ 59,666.70	-	\$ -	\$ -			
12/30/15	40,000	\$ 1.9827	\$ 79,309.80	27,000	\$ 2.1983	\$ 59,355.37	-	\$ -	\$ -			
12/31/15	40,000	\$ 1.9827	\$ 79,309.80	46,760	\$ 2.1628	\$ 101,132.81	-	\$ -	\$ -			
Total	1,178,869	\$ 1,9990	\$ 2,356,573.81	397,260	\$ 1,9710	\$ 783,006.13	111,897	\$ 2,4778	\$ 2277,3362.81			

## National Grid Transaction Summary: December 2015

Canadian			Baseload			TGP			Swing			Storage			
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	
12/1/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.7097	\$12,711.30	-	\$-	\$-	-	\$-	\$-	
12/2/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.4764	\$10,976.90	-	\$-	\$-	-	\$-	\$-	
12/3/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5549	\$11,560.83	-	\$-	\$-	-	\$-	\$-	
12/4/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5479	\$11,508.98	-	\$-	\$-	-	\$-	\$-	
12/5/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5477	\$11,506.93	-	\$-	\$-	-	\$-	\$-	
12/6/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5477	\$11,506.93	-	\$-	\$-	-	\$-	\$-	
12/7/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5477	\$11,506.93	-	\$-	\$-	-	\$-	\$-	
12/8/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.5313	\$11,385.15	-	\$-	\$-	-	\$-	\$-	
12/9/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.4416	\$10,717.98	-	\$-	\$-	-	\$-	\$-	
12/10/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	4,000	\$1.3871	\$5,548.57	-	\$-	\$-	-	\$-	\$-	
12/11/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	1,000	\$1.2106	\$1,210.59	-	\$-	\$-	-	\$-	\$-	
12/12/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/13/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/14/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/15/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/16/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.3340	\$9,918.41	-	\$-	\$-	-	\$-	\$-	
12/17/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/18/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.3709	\$10,192.32	-	\$-	\$-	-	\$-	\$-	
12/19/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.2371	\$9,197.70	6,563	\$2.0336	\$13,346.69	-	\$-	\$-	
12/20/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.2371	\$9,197.70	1,389	\$2.0336	\$13,346.69	-	\$-	\$-	
12/21/15 1,000	\$2.6283	\$2,628.29	19,536	\$1.8886	\$36,895.91	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/22/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/23/15 1,000	\$2.6283	\$2,628.29	19,536	\$1.8886	\$36,895.91	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/24/15 1,000	\$2.6283	\$2,628.29	8,429	\$1.9269	\$16,241.77	-	\$-	-	-	\$-	\$-	-	\$-	\$-	
12/25/15 1,000	\$2.6283	\$2,628.29	19,536	\$1.8886	\$36,895.91	7,435	\$0.9080	\$6,751.06	-	\$-	\$-	-	\$-	\$-	
12/26/15 1,000	\$2.6283	\$2,628.29	19,536	\$1.8886	\$36,895.91	7,435	\$0.9080	\$6,751.06	-	\$-	\$-	-	\$-	\$-	
12/27/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$0.9080	\$6,751.06	-	\$-	\$-	-	\$-	\$-	
12/28/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$0.9080	\$6,751.06	10,836	\$2.0269	\$21,963.48	-	\$-	\$-	
12/29/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.3125	\$9,758.18	10,100	\$2.0268	\$20,470.70	-	\$-	\$-	
12/30/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	7,435	\$1.4759	\$10,973.17	10,100	\$2.0270	\$20,472.86	-	\$-	\$-	
12/31/15 1,000	\$2.6283	\$2,628.29	24,000	\$1.8762	\$45,029.72	8,502	\$1.3942	\$11,853.83	6,563	\$2.0271	\$13,303.87	-	\$-	\$-	
Total	31,000	\$2.6283	\$81,477.00	710,573	\$1.8782	\$1,334,598.23	162,202	\$1.3405	\$217,434.35	45,551	\$2.0281	\$92,382.26	-	\$-	\$-

## National Grid Transaction Summary: December 2015

501 Swing-On-Storage Activity						WITHDRAWALS			Delivered Volume			Total Delivered Amount			Amount Due		
INJECTIONS			Volume Price Amount			Volume Price Amount			Delivered Volume			Total Delivered Amount					
12/1/15	-	\$ -	\$ 1,4764	\$ (9,091.56)		7,183	\$ 2,0291	\$ 14,575.09		99,618	\$ 195,125.64		\$ 195,125.64		\$ 195,125.64		
12/2/15	(6,158)	\$ 1,5549	\$ (2,288.84)			-	\$ -	\$ -		79,277	\$ 153,675.11		\$ 153,675.11		\$ 153,675.11		
12/3/15	(1,472)	\$ 1,5479	\$ (5,420.91)			-	\$ -	\$ -		102,963	\$ 208,024.61		\$ 208,024.61		\$ 208,024.61		
12/4/15	(3,502)	\$ 1,5477	\$ (1,148.37)			-	\$ -	\$ -		100,633	\$ 201,313.01		\$ 201,313.01		\$ 201,313.01		
12/5/15	(742)	\$ 1,5859	\$ (13,341.89)			-	\$ -	\$ -		99,693	\$ 192,605.77		\$ 192,605.77		\$ 192,605.77		
12/6/15	(8,413)	\$ 1,6440	\$ (17,293.25)			-	\$ -	\$ -		92,022	\$ 180,412.25		\$ 180,412.25		\$ 180,412.25		
12/7/15	(10,519)	\$ -	\$ -			1,256	\$ 2,0110	\$ 2,525.80		89,916	\$ 176,460.89		\$ 176,460.89		\$ 176,460.89		
12/8/15	-	\$ -	\$ -			-	\$ -	\$ -		107,691	\$ 207,713.42		\$ 207,713.42		\$ 207,713.42		
12/9/15	(25)	\$ 1,4416	\$ (36.04)			-	\$ -	\$ -		90,410	\$ 170,849.65		\$ 170,849.65		\$ 170,849.65		
12/10/15	(6,491)	\$ 1,5748	\$ (10,222.28)			-	\$ -	\$ -		67,509	\$ 129,555.20		\$ 129,555.20		\$ 129,555.20		
12/11/15	(7,930)	\$ 1,7923	\$ (14,212.92)			-	\$ -	\$ -		62,570	\$ 119,793.24		\$ 119,793.24		\$ 119,793.24		
12/12/15	(8,424)	\$ 1,8762	\$ (15,805.43)			-	\$ -	\$ -		56,576	\$ 111,162.38		\$ 111,162.38		\$ 111,162.38		
12/13/15	(1,733)	\$ 1,8762	\$ (3,251.52)			-	\$ -	\$ -		63,267	\$ 123,716.29		\$ 123,716.29		\$ 123,716.29		
12/14/15	(9,098)	\$ 1,8762	\$ (17,070.02)			-	\$ -	\$ -		55,902	\$ 109,897.80		\$ 109,897.80		\$ 109,897.80		
12/15/15	(7,238)	\$ 1,8762	\$ (13,580.21)			-	\$ -	\$ -		62,762	\$ 120,185.75		\$ 120,185.75		\$ 120,185.75		
12/16/15	-	\$ -	\$ -			3,470	\$ 2,0057	\$ 6,959.74		87,905	\$ 162,282.95		\$ 162,282.95		\$ 162,282.95		
12/17/15	-	\$ -	\$ -			-	\$ 592	\$ 2,0057	\$ 1,187.37	65,592	\$ 128,155.18		\$ 128,155.18		\$ 128,155.18		
12/18/15	-	\$ -	\$ -			-	\$ 4,479	\$ 2,0057	\$ 8,983.47	99,914	\$ 184,381.42		\$ 184,381.42		\$ 184,381.42		
12/19/15	-	\$ -	\$ -			-	\$ 7,800	\$ 2,0057	\$ 15,644.36	112,132	\$ 228,063.79		\$ 228,063.79		\$ 228,063.79		
12/20/15	-	\$ -	\$ -			-	\$ 9,728	\$ 2,0057	\$ 19,511.33	96,322	\$ 190,234.12		\$ 190,234.12		\$ 190,234.12		
12/21/15	-	\$ -	\$ -			-	\$ 9,570	\$ 2,0057	\$ 19,194.43	-	\$ 53,977		\$ 53,977		\$ 53,977		
12/22/15	(11,023)	\$ 1,8762	\$ (20,681.78)			-	\$ -	\$ -		45,928	\$ 93,111.42		\$ 93,111.42		\$ 93,111.42		
12/23/15	(6,303)	\$ 1,8886	\$ (11,903.92)			-	\$ -	\$ -		36,471	\$ 77,209.51		\$ 77,209.51		\$ 77,209.51		
12/24/15	-	\$ -	\$ -			2,648	\$ 2,0056	\$ 5,310.77		38,445	\$ 80,465.43		\$ 80,465.43		\$ 80,465.43		
12/25/15	(14,606)	\$ 1,3894	\$ (20,294.29)			-	\$ -	\$ -		63,903	\$ 119,452.86		\$ 119,452.86		\$ 119,452.86		
12/26/15	-	\$ -	\$ -			1,932	\$ 1,9934	\$ 3,851.18		-	\$ 132,716.43		\$ 132,716.43		\$ 132,716.43		
12/27/15	(1,104)	\$ 0.9080	\$ (1,002.44)			-	\$ -	\$ -		71,331	\$ 101,091		\$ 101,091		\$ 101,091		
12/28/15	(86)	\$ 2,0269	\$ (174.31)			-	\$ 9,742	\$ 1,9916	\$ 19,402.39	-	\$ 147,719		\$ 147,719		\$ 147,719		
12/29/15	-	\$ -	\$ -			-	\$ 8,016	\$ 1,9916	\$ 15,964.85	-	\$ 142,996		\$ 142,996		\$ 142,996		
12/30/15	-	\$ -	\$ -			-	\$ -	\$ -		118,585	\$ 237,616.32		\$ 237,616.32		\$ 237,616.32		
12/31/15	(8,240)	\$ 1,8983	\$ (15,642.01)			-	\$ -	\$ -		2,590,661	\$ 5,083,483.38		\$ 5,083,483.38		\$ 5,083,483.38		
Total	(113,107)	\$ 1,7016	\$ (192,461.99)			66,416	\$ 2,0042	\$ 133,110.78									

## National Grid Transaction Summary: January 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 28 of 36

	AGT			Storage		
	Baseload	Swing	Amount	Volume	Price	Amount
Volume	Price	Amount	Volume	Price	Amount	Volume
1/1/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2462	\$ 96,885.24	-
1/2/16	\$ 2.4533	\$ 90,771.46	43,133	\$ 2,2462	\$ 96,885.24	\$ 2,475
1/3/16	\$ 2.4349	\$ 91,666.53	43,133	\$ 2,2462	\$ 96,885.24	\$ 5,123
1/4/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2462	\$ 96,885.24	\$ 2,4740
1/5/16	\$ 2.3040	\$ 99,071.99	41,094	\$ 2,3157	\$ 95,161.03	\$ 27,920
1/6/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2240	\$ 95,927.49	\$ 27,920
1/7/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2476	\$ 96,946.90	\$ 23,334
1/8/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2495	\$ 97,025.73	\$ 12,334
1/9/16	\$ 2.4251	\$ 92,154.88	30,133	\$ 2,3310	\$ 70,238.72	\$ 2,475
1/10/16	\$ 2.8969	\$ 75,768.25	30,133	\$ 2,3310	\$ 70,238.72	-
1/11/16	\$ 2.3040	\$ 99,071.99	30,133	\$ 2,3310	\$ 70,238.72	\$ 2,475
1/12/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,4312	\$ 104,863.00	\$ 27,834
1/13/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2862	\$ 98,611.42	\$ 23,334
1/14/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,2026	\$ 95,004.08	\$ 27,920
1/15/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,1279	\$ 91,781.77	\$ 24,906
1/16/16	\$ 2.5244	\$ 87,582.67	48,633	\$ 2,4844	\$ 120,823.27	\$ 2,475
1/17/16	\$ 2.3040	\$ 99,071.99	48,633	\$ 2,4844	\$ 120,823.27	\$ 14,773
1/18/16	\$ 2.3040	\$ 99,071.99	48,633	\$ 2,4844	\$ 120,823.27	\$ 2,4743
1/19/16	\$ 2.3040	\$ 99,071.99	48,633	\$ 2,4844	\$ 120,823.27	\$ 27,920
1/20/16	\$ 2.3040	\$ 99,071.99	54,108	\$ 2,7396	\$ 148,233.98	\$ 27,920
1/21/16	\$ 2.3040	\$ 99,071.99	58,083	\$ 3,0188	\$ 175,342.30	\$ 27,920
1/22/16	\$ 2.3040	\$ 99,071.99	54,108	\$ 2,7024	\$ 146,222.09	\$ 27,920
1/23/16	\$ 2.3040	\$ 99,071.99	48,133	\$ 2,4060	\$ 115,807.56	\$ 22,334
1/24/16	\$ 2.3040	\$ 99,071.99	48,133	\$ 2,4060	\$ 115,807.56	\$ 18,334
1/25/16	\$ 2.3040	\$ 99,071.99	48,133	\$ 2,4060	\$ 115,807.56	\$ 2,4894
1/26/16	\$ 2.3040	\$ 99,071.99	37,000	\$ 2,0695	\$ 76,570.50	-
1/27/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,1795	\$ 94,007.21	\$ 12,334
1/28/16	\$ 2.3040	\$ 99,071.99	43,133	\$ 2,1764	\$ 93,875.83	\$ 9,859
1/29/16	\$ 2.3040	\$ 99,071.99	33,133	\$ 2,1688	\$ 71,860.01	\$ 2,4904
1/30/16	\$ 2.3040	\$ 99,071.99	33,133	\$ 2,1688	\$ 71,860.01	\$ 2,4903
1/31/16	\$ 2.7207	\$ 80,534.14	33,133	\$ 2,1688	\$ 71,860.01	\$ 2,4897
Total	\$ 2.3435	\$ 2,995,277.64	1,333,851	\$ 2,3647	\$ 3,154,126.25	\$ 437,057
						\$ 2,4781
						\$ 1,083,069.47

## National Grid Transaction Summary: January 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 29 of 36

		TGP						Storage					
		Canadian			Baseload			Swing		Volume		Price	Amount
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	
1/1/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	21,502	\$ 4,0549	\$ 87,187.75	-	\$ -	\$ -	
1/2/16	1,000	\$ 2,767.5	\$ 2,767.50	23,000	\$ 1,7767	\$ 40,864.77	21,502	\$ 4,0549	\$ 87,187.75	-	\$ -	\$ -	
1/3/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	21,502	\$ 4,0549	\$ 87,187.75	3,389	\$ 2,0263	\$ 6,867.26	
1/4/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	21,502	\$ 4,0549	\$ 87,187.75	10,836	\$ 2,0265	\$ 21,958.67	
1/5/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,8251	\$ 11,866.99	10,836	\$ 2,0266	\$ 21,960.32	
1/6/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,6163	\$ 10,509.47	10,836	\$ 2,0268	\$ 21,961.91	
1/7/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,7148	\$ 11,149.37	6,563	\$ 2,0269	\$ 13,302.55	
1/8/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,7186	\$ 11,174.64	3,000	\$ 2,0269	\$ 6,080.79	
1/9/16	1,000	\$ 2,767.5	\$ 2,767.50	21,536	\$ 1,7812	\$ 38,359.70	5,435	\$ 1,8275	\$ 9,932.55	-	\$ -	\$ -	
1/10/16	1,000	\$ 2,767.5	\$ 2,767.50	21,536	\$ 1,7812	\$ 38,359.70	5,435	\$ 1,8275	\$ 9,932.55	-	\$ -	\$ -	
1/11/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	5,435	\$ 1,8275	\$ 9,932.55	10,836	\$ 2,0262	\$ 21,955.86	
1/12/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9751	\$ 12,842.28	10,836	\$ 2,0264	\$ 21,957.71	
1/13/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9123	\$ 12,433.50	10,836	\$ 2,0265	\$ 21,959.34	
1/14/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,7489	\$ 11,371.45	10,836	\$ 2,0266	\$ 21,960.18	
1/15/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,7563	\$ 11,419.64	5,174	\$ 2,0266	\$ 10,485.66	
1/16/16	1,000	\$ 2,767.5	\$ 2,767.50	22,942	\$ 1,7769	\$ 40,765.53	6,502	\$ 2,0312	\$ 13,206.75	-	\$ -	\$ -	
1/17/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 2,0312	\$ 13,206.75	3,389	\$ 2,0274	\$ 6,870.92	
1/18/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 2,0312	\$ 13,206.75	10,836	\$ 2,0273	\$ 21,967.75	
1/19/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 2,0312	\$ 13,206.75	10,836	\$ 2,0275	\$ 21,969.46	
1/20/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	21,502	\$ 4,0065	\$ 86,146.73	10,836	\$ 2,0274	\$ 21,969.08	
1/21/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	16,289	\$ 4,0755	\$ 66,386.00	10,836	\$ 2,0274	\$ 21,969.24	
1/22/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9742	\$ 12,836.00	10,836	\$ 2,0274	\$ 21,968.56	
1/23/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9748	\$ 12,839.89	10,836	\$ 2,0276	\$ 21,970.89	
1/24/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9748	\$ 12,839.89	10,836	\$ 2,0278	\$ 21,972.74	
1/25/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,9748	\$ 12,839.89	-	\$ -	\$ -	
1/26/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	5,435	\$ 1,7960	\$ 9,761.38	-	\$ -	\$ -	
1/27/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,8697	\$ 12,156.48	6,563	\$ 2,0277	\$ 13,307.64	
1/28/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	6,502	\$ 1,8840	\$ 12,249.77	6,563	\$ 2,0275	\$ 13,306.38	
1/29/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	5,435	\$ 1,8089	\$ 9,831.60	6,563	\$ 2,0276	\$ 13,306.96	
1/30/16	1,000	\$ 2,767.5	\$ 2,767.50	26,000	\$ 1,7692	\$ 45,998.12	5,435	\$ 1,8089	\$ 9,831.60	4,389	\$ 2,0275	\$ 8,898.89	
1/31/16	1,000	\$ 2,767.5	\$ 2,767.50	22,000	\$ 1,7797	\$ 39,153.66	5,435	\$ 1,8089	\$ 9,831.60	-	\$ -	\$ -	
Total	31,000	\$ 2,767.5	\$85,792.54	787,014	\$ 1,7706	\$ 1,393,454.38	278,880	\$ 2,8388	\$ 79,693.84	197,297	\$ 2,0270	\$ 399,929	

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 51 of 86

## National Grid Transaction Summary: January 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 30 of 36

501 Swing-On-Storage Activity						Total Delivered Amount	Total Delivered Volume
INJECTIONS		WITHDRAWALS		Price	Amount		
Volume	Price	Volume	Price	Amount	Amount	Amount Due	
1/1/16 (4,810)	\$ 1.7692	\$ (8,509.65)	\$ -	\$ -	\$ 13,751.16	\$ 129,825	\$ 323,400.94
1/2/16 -	\$ -	\$ -	\$ 6,906	\$ 1.9912	\$ -	\$ 135,016	\$ 338,357.10
1/3/16 (3,895)	\$ 1.9929	\$ (7,762.45)	\$ -	\$ -	\$ 19,877.08	\$ 133,899	\$ 336,284.22
1/4/16 -	\$ -	\$ -	\$ 9,979	\$ 1.9920	\$ 19,035.47	\$ 183,370	\$ 442,745.42
1/5/16 -	\$ -	\$ -	\$ 9,556	\$ 1.9920	\$ 18,656.99	\$ 165,908	\$ 364,923.46
1/6/16 -	\$ -	\$ -	\$ 9,366	\$ 1.9920	\$ 19,210.77	\$ 163,171	\$ 352,666.23
1/7/16 -	\$ -	\$ -	\$ 9,644	\$ 1.9920	\$ 148,176	\$ 319,004.85	\$ 319,004.85
1/8/16 -	\$ -	\$ -	\$ 3,046	\$ 1.9920	\$ 6,067.61	\$ 128,156	\$ 274,317.76
1/9/16 -	\$ -	\$ -	\$ 6,574	\$ 1.9920	\$ 13,095.35	\$ 102,678	\$ 226,548.70
1/10/16 (2,433)	\$ 1.8275	\$ (4,446.35)	\$ -	\$ -	\$ -	\$ 81,826	\$ 192,620.37
1/11/16 -	\$ -	\$ -	\$ 9,804	\$ 1.9918	\$ 19,527.62	\$ 154,042	\$ 338,225.22
1/12/16 -	\$ -	\$ -	\$ 8,940	\$ 1.9918	\$ 17,806.71	\$ 162,745	\$ 362,983.04
1/13/16 -	\$ -	\$ -	\$ 6,245	\$ 1.9918	\$ 12,438.80	\$ 164,636	\$ 362,337.76
1/14/16 -	\$ -	\$ -	\$ 3,966	\$ 1.9918	\$ 7,899.49	\$ 159,343	\$ 345,736.44
1/15/16 (2,642)	\$ 2.0266	\$ (5,354.30)	\$ -	\$ -	\$ -	\$ 124,642	\$ 262,303.07
1/16/16 (8,513)	\$ 2.0312	\$ (17,291.46)	\$ -	\$ -	\$ -	\$ 105,259	\$ 247,854.27
1/17/16 -	\$ -	\$ -	\$ 831	\$ 1.9951	\$ 1,657.96	\$ 144,128	\$ 326,951.11
1/18/16 -	\$ -	\$ -	\$ 9,176	\$ 1.9951	\$ 18,307.42	\$ 173,067	\$ 391,225.72
1/19/16 -	\$ -	\$ -	\$ 2,121	\$ 1.9951	\$ 4,231.70	\$ 166,012	\$ 377,222.80
1/20/16 -	\$ -	\$ -	\$ 3,927	\$ 1.9951	\$ 7,834.92	\$ 188,293	\$ 481,248.90
1/21/16 -	\$ -	\$ -	\$ 1,233	\$ 1.9951	\$ 2,460.01	\$ 184,361	\$ 483,295.82
1/22/16 (2,892)	\$ 2.0274	\$ (5,863.15)	\$ -	\$ -	\$ -	\$ 166,474	\$ 392,377.43
1/23/16 -	\$ -	\$ -	\$ 9,345	\$ 1.9960	\$ 18,652.58	\$ 167,150	\$ 372,666.44
1/24/16 -	\$ -	\$ -	\$ 258	\$ 1.9960	\$ 514.97	\$ 154,063	\$ 344,612.60
1/25/16 -	\$ -	\$ -	\$ 11,107	\$ 1.9960	\$ 22,169.53	\$ 135,742	\$ 298,654.59
1/26/16 (3,078)	\$ 1.7960	\$ (5,528.15)	\$ -	\$ -	\$ -	\$ 109,357	\$ 228,641.33
1/27/16 -	\$ -	\$ -	\$ 2,390	\$ 1.9955	\$ 4,769.27	\$ 140,922	\$ 302,794.69
1/28/16 (3,110)	\$ 2.0275	\$ (6,305.47)	\$ -	\$ -	\$ -	\$ 132,947	\$ 285,516.01
1/29/16 -	\$ -	\$ -	\$ 8,141	\$ 1.9965	\$ 16,253.20	\$ 133,045	\$ 283,430.75
1/30/16 -	\$ -	\$ -	\$ 4,092	\$ 1.9965	\$ 8,169.52	\$ 119,049	\$ 251,577.04
1/31/16 (1,900)	\$ 1.8089	\$ (3,436.99)	\$ -	\$ -	\$ -	\$ 89,268	\$ 200,709.92
Total	(33,273)	\$ 1.9384	\$ (64,497.97)	\$ 136,647	\$ 1,9934	\$ 272,389.14	\$ 4,446,570
						\$ 10,111,234.03	\$ 10,111,234.03

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 52 of 86

AGT	Baseload			Swing			Storage		
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
2/1/16	37,000	\$ 2.2518	\$ 83,314.89	25,000	\$ 2.1361	\$ 53,403.46	-	\$ -	\$ -
2/2/16	37,000	\$ 2.2518	\$ 83,314.89	30,000	\$ 2.0416	\$ 61,247.60	-	\$ -	\$ -
2/3/16	38,000	\$ 2.2317	\$ 84,805.52	5,000	\$ 1.4620	\$ 7,309.79	-	\$ -	\$ -
2/4/16	42,000	\$ 2.1611	\$ 90,768.04	23,000	\$ 1.9454	\$ 44,744.59	-	\$ -	\$ -
2/5/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 1.9962	\$ 87,901.45	27,920	\$ 2.4802	\$ 69,247.00
2/6/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 2.0171	\$ 88,822.06	13,770	\$ 2.4830	\$ 34,191.56
2/7/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 2.0171	\$ 88,822.06	7,770	\$ 2.4827	\$ 19,290.73
2/8/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 2.0171	\$ 88,822.06	25,359	\$ 2.4812	\$ 62,921.96
2/9/16	42,000	\$ 2.1611	\$ 90,768.04	51,035	\$ 2.6106	\$ 133,230.27	27,920	\$ 2.4833	\$ 69,332.97
2/10/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 2.1293	\$ 93,764.15	22,334	\$ 2.4862	\$ 55,527.86
2/11/16	42,000	\$ 2.1611	\$ 90,768.04	58,985	\$ 3.2623	\$ 192,426.31	27,920	\$ 2.4882	\$ 69,469.50
2/12/16	42,000	\$ 2.1611	\$ 90,768.04	58,985	\$ 3.2645	\$ 192,555.29	27,920	\$ 2.4913	\$ 69,555.89
2/13/16	42,000	\$ 2.1611	\$ 90,768.04	47,430	\$ 2.3072	\$ 109,432.40	27,920	\$ 2.4944	\$ 69,644.30
2/14/16	42,000	\$ 2.1611	\$ 90,768.04	47,413	\$ 2.3073	\$ 109,397.95	27,920	\$ 2.4977	\$ 69,734.81
2/15/16	42,000	\$ 2.1611	\$ 90,768.04	32,535	\$ 2.4356	\$ 79,243.29	27,920	\$ 2.5010	\$ 69,827.50
2/16/16	31,268	\$ 2.3675	\$ 74,028.16	32,535	\$ 2.4356	\$ 79,243.29	-	\$ -	\$ -
2/17/16	39,885	\$ 2.1967	\$ 87,615.36	44,035	\$ 1.8540	\$ 81,641.24	4,888	\$ 2.5005	\$ 12,222.32
2/18/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 1.8551	\$ 81,690.21	27,920	\$ 2.4992	\$ 69,776.44
2/19/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 1.8177	\$ 80,040.54	10,295	\$ 2.5026	\$ 25,764.26
2/20/16	27,207	\$ 2.5257	\$ 68,717.15	22,413	\$ 1.7955	\$ 40,241.64	-	\$ -	\$ -
2/21/16	37,000	\$ 2.2518	\$ 83,314.89	24,035	\$ 1.7955	\$ 43,153.87	2,475	\$ 2.4968	\$ 6,179.68
2/22/16	35,385	\$ 2.2865	\$ 80,907.52	37,990	\$ 1.7955	\$ 68,209.51	7,405	\$ 2.4944	\$ 18,471.28
2/23/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 1.7665	\$ 77,787.40	10,475	\$ 2.4917	\$ 26,100.44
2/24/16	42,000	\$ 2.1611	\$ 90,768.04	10,000	\$ 1.5146	\$ 15,146.40	-	\$ -	\$ -
2/25/16	37,000	\$ 2.2518	\$ 83,314.89	33,000	\$ 1.6914	\$ 55,817.47	-	\$ -	\$ -
2/26/16	42,000	\$ 2.1611	\$ 90,768.04	44,035	\$ 1.7017	\$ 74,934.55	27,920	\$ 2.4897	\$ 69,511.89
2/27/16	42,000	\$ 2.1611	\$ 90,768.04	24,000	\$ 1.5328	\$ 36,786.30	21,334	\$ 2.4931	\$ 53,188.71
2/28/16	35,000	\$ 2.2952	\$ 80,333.63	24,000	\$ 1.5328	\$ 36,786.30	-	\$ -	\$ -
2/29/16	33,148	\$ 2.3402	\$ 77,572.98	24,000	\$ 1.5328	\$ 36,786.30	3,650	\$ 2.4923	\$ 9,097.04
Total	1,143,893	\$ 2,2039	\$ 2,521,064.57	1,051,706	\$ 2,1293	\$ 2,4907	381,035	\$ 2,239,387.74	\$ 6949,056.74

## National Grid Transaction Summary: February 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 32 of 36

TGP									
	Canadian	Baseload	Swing	Storage					
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Volume	Price
2/1/16	997	\$ 2,4817	\$ 2,474,27	20,000	\$ 1,6804	\$ 33,608.87	6,436	\$ 1,7472	\$ 11,244.70
2/2/16	997	\$ 2,4817	\$ 2,474,27	20,000	\$ 1,6804	\$ 33,608.87	6,436	\$ 1,7528	\$ 11,280.98
2/3/16	997	\$ 2,4817	\$ 2,474,27	23,564	\$ 1,6698	\$ 39,347.72	1,436	\$ 1,4830	\$ 2,129.57
2/4/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	6,436	\$ 1,6233	\$ 10,447.74
2/5/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,6688	\$ 12,521.25
2/6/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	11,503	\$ 2,0678	\$ 23,785.45
2/7/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	11,503	\$ 2,0678	\$ 23,785.45
2/8/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	11,503	\$ 2,0678	\$ 23,785.45
2/9/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,7019	\$ 12,769.63
2/10/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,7388	\$ 13,046.35
2/11/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,7881	\$ 13,416.01
2/12/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,8957	\$ 14,223.26
2/13/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 2,1977	\$ 16,489.23
2/14/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 2,1977	\$ 16,489.23
2/15/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 2,1977	\$ 16,489.23
2/16/16	997	\$ 2,4817	\$ 2,474,27	20,536	\$ 1,6786	\$ 34,471.95	7,503	\$ 2,1977	\$ 16,489.23
2/17/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,6860	\$ 12,650.40
2/18/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,6448	\$ 12,340.75
2/19/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,6368	\$ 12,280.84
2/20/16	997	\$ 2,4817	\$ 2,474,27	20,536	\$ 1,6786	\$ 34,471.95	6,436	\$ 1,5022	\$ 9,667.91
2/21/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	6,436	\$ 1,5022	\$ 9,667.91
2/22/16	997	\$ 2,4817	\$ 2,474,27	23,594	\$ 1,6697	\$ 39,396.03	6,436	\$ 1,5022	\$ 9,667.91
2/23/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,5010	\$ 11,262.09
2/24/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	6,000	\$ 1,2812	\$ 7,687.26
2/25/16	997	\$ 2,4817	\$ 2,474,27	20,536	\$ 1,6786	\$ 34,471.95	6,436	\$ 1,3401	\$ 8,624.71
2/26/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	7,503	\$ 1,3849	\$ 10,390.67
2/27/16	997	\$ 2,4817	\$ 2,474,27	25,000	\$ 1,6664	\$ 41,660.01	6,436	\$ 1,3661	\$ 8,791.95
2/28/16	997	\$ 2,4817	\$ 2,474,27	20,536	\$ 1,6786	\$ 34,471.95	6,436	\$ 1,3661	\$ 8,791.95
2/29/16	997	\$ 2,4817	\$ 2,474,27	22,230	\$ 1,6734	\$ 37,199.68	6,436	\$ 1,695	\$ 2,0187
Total	28,913	\$ 2,4817	\$ 71,753.74	691,532	\$ 1,6691	\$ 1,154,249.08	211,347	\$ 1,7460	\$ 369,009.06
									\$ 161,790
									\$ 2,0223
									\$ 327,194

## National Grid Transaction Summary: February 2016

Attachment 3  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 33 of 36

501 Swing-On-Storage Activity						Total Delivered Volume	Total Delivered Amount
INJECTIONS		WITHDRAWALS					
Volume	Price	Amount	Volume	Price	Amount		Amount Due
2/1/16 (4,408)	\$ 1.7472	\$ (7,701.47)	-	\$ 6,913	\$ 1,9948	\$ -	\$ 176,344.72
2/2/16 -	\$ -	\$ -	9,380	\$ 1,9946	\$ 18,708.99	85,025	\$ 205,716.77
2/3/16 (5,571)	\$ 1.6233	\$ (9,043.57)	-	\$ -	\$ -	101,346	\$ 154,775.86
2/4/16 -	\$ -	\$ -	8,583	\$ 1,9917	\$ 17,094.73	78,377	\$ 181,051.09
2/5/16 -	\$ -	\$ -	6,516	\$ 1,9917	\$ 12,977.89	91,862	\$ 343,587.83
2/6/16 -	\$ -	\$ -	-	\$ -	\$ -	145,210	\$ 297,489.42
2/7/16 (4,638)	\$ 1.7733	\$ (8,224.43)	-	\$ -	\$ -	128,056	\$ 261,386.40
2/8/16 -	\$ -	\$ -	5,371	\$ 1,9907	\$ 10,692.28	165,101	\$ 343,040.60
2/9/16 -	\$ -	\$ -	2,078	\$ 1,9907	\$ 4,136.77	167,369	\$ 376,289.19
2/10/16 -	\$ -	\$ -	3,625	\$ 1,9907	\$ 7,216.45	156,330	\$ 326,373.94
2/11/16 -	\$ -	\$ -	9,395	\$ 1,9907	\$ 18,703.04	182,636	\$ 450,834.11
2/12/16 (4,063)	\$ 2.0228	\$ (8,218.66)	-	\$ -	\$ -	169,178	\$ 424,937.22
2/13/16 -	\$ -	\$ -	9,811	\$ 1,9921	\$ 19,544.51	171,497	\$ 371,936.31
2/14/16 -	\$ -	\$ -	10,071	\$ 1,9921	\$ 20,062.45	171,740	\$ 372,512.71
2/15/16 -	\$ -	\$ -	1,276	\$ 1,9921	\$ 2,541.92	148,067	\$ 324,932.80
2/16/16 -	\$ -	\$ -	8,443	\$ 1,9921	\$ 16,819.31	101,282	\$ 223,526.22
2/17/16 -	\$ -	\$ -	3,248	\$ 1,9921	\$ 6,470.35	136,392	\$ 266,654.06
2/18/16 -	\$ -	\$ -	4,944	\$ 1,9921	\$ 9,848.95	163,235	\$ 330,479.11
2/19/16 -	\$ -	\$ -	5,047	\$ 1,9921	\$ 10,054.14	138,266	\$ 269,898.09
2/20/16 -	\$ -	\$ -	5,005	\$ 1,9921	\$ 9,970.47	82,594	\$ 165,543.38
2/21/16 (3,006)	\$ 1.7424	\$ (5,237.73)	-	\$ -	\$ -	94,326	\$ 184,021.63
2/22/16 (4,253)	\$ 1.9029	\$ (8,093.04)	-	\$ -	\$ -	110,836	\$ 217,667.92
2/23/16 (2,544)	\$ 2.0209	\$ (5,141.17)	-	\$ -	\$ -	135,855	\$ 261,864.40
2/24/16 (754)	\$ 1.2812	\$ (966.03)	-	\$ -	\$ -	83,243	\$ 156,769.94
2/25/16 -	\$ -	\$ -	328	\$ 1,9912	\$ 653.12	98,297	\$ 185,356.41
2/26/16 -	\$ -	\$ -	5,734	\$ 1,9912	\$ 11,417.57	164,025	\$ 323,042.73
2/27/16 -	\$ -	\$ -	2,825	\$ 1,9912	\$ 5,625.15	133,428	\$ 261,181.10
2/28/16 -	\$ -	\$ -	508	\$ 1,9912	\$ 1,011.53	87,477	\$ 163,869.62
2/29/16 (6,127)	\$ 1.5466	\$ (9,476.14)	-	\$ -	\$ -	86,029	\$ 165,867.85
Total	(35,364)	\$ 1.7561	\$ (62,102.23)	\$ 109,101	\$ 1,9921	\$ 217,339.77	\$ 3,743,953
							\$ 7,786,951.40
							\$ 7,786,951.40

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 55 of 86

AGT	Baseload			Swing			Storage		
	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount
3/1/16	26,000	\$ 1.5565	\$ 40,468.60	41,685	\$ 1.4101	\$ 58,778.39	-	\$ 2.4862	\$ 55,527.34
3/2/16	31,000	\$ 1.4772	\$ 45,792.22	51,810	\$ 1.5119	\$ 78,329.63	22,334	\$ 2.4885	\$ 63,222.47
3/3/16	31,000	\$ 1.4772	\$ 45,792.22	51,810	\$ 1.4876	\$ 77,075.07	25,406	\$ 2.4915	\$ 69,562.82
3/4/16	31,000	\$ 1.4772	\$ 45,792.22	51,810	\$ 1.4698	\$ 76,149.14	27,920	\$ 2.4952	\$ 55,727.26
3/5/16	31,000	\$ 1.4772	\$ 45,792.22	40,000	\$ 1.3625	\$ 54,499.50	22,334	\$ 2.4976	\$ 43,293.57
3/6/16	31,000	\$ 1.4772	\$ 45,792.22	40,000	\$ 1.3625	\$ 54,499.50	17,334	\$ 2.4989	\$ 9,995.63
3/7/16	31,000	\$ 1.4772	\$ 45,792.22	30,000	\$ 1.3227	\$ 39,680.78	4,000	-	-
3/8/16	31,000	\$ 1.4772	\$ 45,792.22	22,000	\$ 1.1602	\$ 25,524.32	-	-	-
3/9/16	21,330	\$ 1.6642	\$ 35,496.35	-	\$ -	\$ -	-	\$ -	-
3/10/16	22,695	\$ 1.6281	\$ 36,949.69	-	\$ -	\$ -	-	\$ -	-
3/11/16	21,000	\$ 1.6736	\$ 35,144.99	19,000	\$ 1.2967	\$ 24,637.32	-	-	-
3/12/16	21,000	\$ 1.6736	\$ 35,144.99	15,913	\$ 1.0758	\$ 17,118.73	-	-	-
3/13/16	21,000	\$ 1.6736	\$ 35,144.99	16,000	\$ 1.0792	\$ 17,266.44	-	-	-
3/14/16	31,000	\$ 1.4772	\$ 45,792.22	15,802	\$ 1.0714	\$ 16,930.27	27,770	\$ 2.4705	\$ 68,606.99
3/15/16	31,000	\$ 1.4772	\$ 45,792.22	24,000	\$ 1.3715	\$ 32,916.21	-	-	-
3/16/16	31,000	\$ 1.4772	\$ 45,792.22	18,000	\$ 1.3726	\$ 24,706.05	-	-	-
3/17/16	26,000	\$ 1.5565	\$ 40,468.60	13,000	\$ 1.2549	\$ 16,314.29	-	-	-
3/18/16	31,000	\$ 1.4772	\$ 45,792.22	42,000	\$ 1.6553	\$ 69,522.30	-	-	-
3/19/16	20,031	\$ 1.7030	\$ 34,113.27	51,810	\$ 1.6995	\$ 88,051.70	6,125	\$ 2.4712	\$ 15,136.31
3/20/16	31,000	\$ 1.4772	\$ 45,792.22	51,810	\$ 1.6995	\$ 88,051.70	7,406	\$ 2.4639	\$ 18,247.78
3/21/16	31,000	\$ 1.4772	\$ 45,792.22	51,810	\$ 1.6995	\$ 88,051.70	17,334	\$ 2.4637	\$ 42,705.10
3/22/16	31,000	\$ 1.4772	\$ 45,792.22	31,000	\$ 1.5336	\$ 47,541.19	-	-	-
3/23/16	31,000	\$ 1.4772	\$ 45,792.22	14,000	\$ 1.3019	\$ 18,226.83	-	-	-
3/24/16	31,000	\$ 1.4772	\$ 45,792.22	14,000	\$ 1.3487	\$ 18,881.51	20,000	\$ 2.4657	\$ 49,314.90
3/25/16	25,000	\$ 1.5762	\$ 39,403.88	18,000	\$ 1.3501	\$ 24,302.10	-	-	-
3/26/16	31,000	\$ 1.4772	\$ 45,792.22	18,000	\$ 1.3501	\$ 24,302.10	12,334	\$ 2.4651	\$ 30,404.47
3/27/16	31,000	\$ 1.4772	\$ 45,792.22	18,000	\$ 1.3501	\$ 24,302.10	11,295	\$ 2.4652	\$ 27,844.24
3/28/16	31,000	\$ 1.4772	\$ 45,792.22	18,000	\$ 1.3501	\$ 24,302.10	12,000	\$ 2.4652	\$ 29,581.91
3/29/16	31,000	\$ 1.4772	\$ 45,792.22	30,000	\$ 1.5969	\$ 47,907.92	-	-	-
3/30/16	31,000	\$ 1.4772	\$ 45,792.22	18,000	\$ 1.5126	\$ 27,226.05	-	-	-
3/31/16	26,000	\$ 1.5565	\$ 40,468.60	-	\$ -	\$ -	-	-	-
Total	881,056	\$ 1.5146	\$ 1,334,440.60	827,260	\$ 14567	\$ 1,205,094.89	233,592	\$ 2,4794	\$ 57,170,80

National Grid Transaction Summary: March 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 35 of 36

Canadian		Baseload			TGP			Swing			Storage		
Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price	Amount	Volume	Price
3/1/16	\$ -	\$ -	14,536	\$ 1,1894	\$ 17,289.21	12,435	\$ 1,3305	\$ 16,545.32	-	\$ -	\$ -	-	\$ -
3/2/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	14,501	\$ 1,6465	\$ 23,876.08	5,836	\$ 2,0100	\$ 11,730.34	-	\$ -
3/3/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	20,502	\$ 2,3077	\$ 47,312.11	10,836	\$ 2,0102	\$ 21,782.57	-	\$ -
3/4/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	13,502	\$ 1,3865	\$ 18,721.05	10,836	\$ 2,0101	\$ 21,781.42	-	\$ -
3/5/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	12,502	\$ 1,3100	\$ 16,377.90	10,836	\$ 2,0104	\$ 21,784.33	-	\$ -
3/6/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	12,502	\$ 1,3100	\$ 16,377.90	10,834	\$ 2,0105	\$ 21,782.13	-	\$ -
3/7/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	12,502	\$ 1,3100	\$ 16,377.90	-	\$ -	\$ -	-	\$ -
3/8/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,2610	\$ 11,349.29	-	\$ -	\$ -	-	\$ -
3/9/16	\$ -	\$ -	14,536	\$ 1,1894	\$ 17,289.21	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -
3/10/16	\$ -	\$ -	15,942	\$ 1,1847	\$ 18,886.50	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -
3/11/16	\$ -	\$ -	14,536	\$ 1,1894	\$ 17,289.21	8,000	\$ 1,2560	\$ 10,047.90	-	\$ -	\$ -	-	\$ -
3/12/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	5,000	\$ 1,1299	\$ 5,649.39	-	\$ -	\$ -	-	\$ -
3/13/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	5,000	\$ 1,1299	\$ 5,649.39	-	\$ -	\$ -	-	\$ -
3/14/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	5,000	\$ 1,1299	\$ 5,649.39	5,662	\$ 1,9931	\$ 11,285.01	-	\$ -
3/15/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,3014	\$ 11,712.49	-	\$ -	\$ -	-	\$ -
3/16/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	8,000	\$ 1,3367	\$ 10,693.59	-	\$ -	\$ -	-	\$ -
3/17/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	8,000	\$ 1,3417	\$ 10,733.94	-	\$ -	\$ -	-	\$ -
3/18/16	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	13,502	\$ 1,5627	\$ 21,098.95	-	\$ -	\$ -	-	\$ -
3/19/16	\$ 1,000	\$ 2,1600	\$ 2,159.98	\$ 17,817	\$ 1,1796	21,016.61	\$ 13,502	\$ 1,5311	\$ 20,672.49	3,282	\$ 1,9904	\$ 6,532.64	-
3/20/16	\$ 1,000	\$ 2,1600	\$ 2,159.98	\$ 19,000	\$ 1,1769	\$ 22,360.56	13,480	\$ 1,5308	\$ 20,635.71	6,372	\$ 1,9893	\$ 12,675.91	-
3/21/16	\$ 1,000	\$ 2,1600	\$ 2,159.98	\$ 19,000	\$ 1,1769	\$ 22,360.56	13,502	\$ 1,5311	\$ 20,672.49	10,836	\$ 1,9900	\$ 21,563.18	-
3/22/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	12,435	\$ 1,4384	\$ 17,886.46	-	\$ -
3/23/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	5,000	\$ 1,3821	\$ 6,910.49	-	\$ -
3/24/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	5,000	\$ 1,4275	\$ 7,137.49	5,000	\$ 1,9839
3/25/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,3115	\$ 11,803.29	-	\$ -
3/26/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,3115	\$ 11,803.29	3,389	\$ 1,9828
3/27/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,3115	\$ 11,803.29	6,389	\$ 1,9829
3/28/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	9,000	\$ 1,3115	\$ 11,803.29	-	\$ -
3/29/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	12,000	\$ 1,4679	\$ 17,614.23	-	\$ -
3/30/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	4,000	\$ 1,4679	\$ 5,871.41	-	\$ -
3/31/16	\$ -	\$ -	-	\$ -	\$ -	19,000	\$ 1,1769	\$ 22,360.56	-	\$ -	\$ -	-	\$ -
Total	\$ 3,000	\$ 2,1600	\$ 66,478.95	\$ 571,367	\$ 1,1781	\$ 673,145.30	\$ 283,867	\$ 1,4542	\$ 412,786.51	\$ 90,108	\$ 2,0001	\$ 180,225	

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 57 of 86

## National Grid Transaction Summary: March 2016

Attachment 3  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 36 of 36

501 Swing-On-Storage Activity						Total Delivered Volume	Total Delivered Amount	Amount Due
INJECTIONS			WITHDRAWALS					
Volume	Price	Amount	Volume	Price	Amount			
3/1/16 (3,078)	\$ 1.3305	\$ (4,095.42)	-	\$ 1.9808	\$ -	\$ 91,578	\$ 128,986.11	\$ 128,986.11
3/2/16 -	\$ -	\$ -	7,033	\$ 1.9808	\$ 13,931.31	151,514	\$ 251,547.48	\$ 251,547.48
3/3/16 -	\$ -	\$ -	193	\$ 1.9808	\$ 382.30	158,747	\$ 277,927.31	\$ 277,927.31
3/4/16 -	\$ -	\$ -	10,617	\$ 1.9808	\$ 21,030.67	164,685	\$ 275,397.89	\$ 275,397.89
3/5/16 -	\$ -	\$ -	7,597	\$ 1.9808	\$ 15,048.50	143,269	\$ 231,590.27	\$ 231,590.27
3/6/16 -	\$ -	\$ -	2,996	\$ 1.9808	\$ 5,934.62	133,666	\$ 210,040.50	\$ 210,040.50
3/7/16 -	\$ -	\$ -	8,034	\$ 1.9808	\$ 15,914.14	104,536	\$ 150,121.22	\$ 150,121.22
3/8/16 (724)	\$ 1.2610	\$ (912.99)	-	\$ -	\$ -	80,276	\$ 104,113.40	\$ 104,113.40
3/9/16 -	\$ -	\$ -	5,370	\$ 1.9795	\$ 10,629.81	41,236	\$ 63,415.37	\$ 63,415.37
3/10/16 -	\$ -	\$ -	1,969	\$ 1.9795	\$ 3,897.60	40,606	\$ 59,733.80	\$ 59,733.80
3/11/16 (3,921)	\$ 1.2560	\$ (4,924.73)	-	\$ -	\$ -	58,615	\$ 82,194.69	\$ 82,194.69
3/12/16 -	\$ -	\$ -	2,508	\$ 1.9719	\$ 4,945.59	63,421	\$ 85,219.26	\$ 85,219.26
3/13/16 (4,283)	\$ 1.1299	\$ (4,839.27)	-	\$ -	\$ -	56,717	\$ 75,582.11	\$ 75,582.11
3/14/16 -	\$ -	\$ -	6,801	\$ 1.9621	\$ 13,344.23	111,035	\$ 183,968.68	\$ 183,968.68
3/15/16 -	\$ -	\$ -	6,629	\$ 1.9621	\$ 13,006.74	89,629	\$ 125,788.22	\$ 125,788.22
3/16/16 (2,989)	\$ 1.3367	\$ (3,995.39)	-	\$ -	\$ -	73,011	\$ 99,557.02	\$ 99,557.02
3/17/16 -	\$ -	\$ -	2,552	\$ 1.9571	\$ 4,994.61	68,552	\$ 94,872.00	\$ 94,872.00
3/18/16 (3,309)	\$ 1.5627	\$ (5,170.82)	-	\$ -	\$ -	102,193	\$ 153,603.20	\$ 153,603.20
3/19/16 -	\$ -	\$ -	147	\$ 1.9542	\$ 287.26	113,714	\$ 187,970.26	\$ 187,970.26
3/20/16 (4,204)	\$ 1.9893	\$ (8,363.07)	-	\$ -	\$ -	125,864	\$ 201,560.78	\$ 201,560.78
3/21/16 (6,829)	\$ 1.9900	\$ (13,589.42)	-	\$ -	\$ -	137,653	\$ 229,715.82	\$ 229,715.82
3/22/16 (1,897)	\$ 1.4384	\$ (2,728.64)	-	\$ -	\$ -	91,538	\$ 130,851.79	\$ 130,851.79
3/23/16 (8,014)	\$ 1.3049	\$ (10,457.58)	-	\$ -	\$ -	60,986	\$ 82,832.52	\$ 82,832.52
3/24/16 -	\$ -	\$ -	2,678	\$ 1.9441	\$ 5,206.40	96,678	\$ 158,612.59	\$ 158,612.59
3/25/16 (2,046)	\$ 1.3115	\$ (2,683.28)	-	\$ -	\$ -	68,954	\$ 95,186.54	\$ 95,186.54
3/26/16 (1,328)	\$ 1.9829	\$ (2,633.28)	-	\$ 6,946	\$ 1.9409	13,481.52	99,669	\$ 154,863.73
3/27/16 -	\$ -	\$ -	-	\$ -	\$ -	93,356	\$ 142,137.83	\$ 142,137.83
3/28/16 -	\$ -	\$ -	9,828	\$ 1.9416	\$ 19,081.89	98,828	\$ 152,921.97	\$ 152,921.97
3/29/16 -	\$ -	\$ -	4,867	\$ 1.9416	\$ 9,449.69	96,867	\$ 143,124.62	\$ 143,124.62
3/30/16 -	\$ -	\$ -	6,415	\$ 1.9416	\$ 12,455.27	78,415	\$ 113,705.51	\$ 113,705.51
3/31/16 (5,002)	\$ 1.1769	\$ (5,886.71)	-	\$ -	\$ -	39,998	\$ 56,942.45	\$ 56,942.45
Total	\$ (47,624)	\$ 1,4757	\$ (70,280.60)	\$ 93,180	\$ 1,9642	\$ 183,022.15	\$ 2,935,806	\$ 4,504,084.92
								\$ 4,504,084.92

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 58 of 86

Attachment 4  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 1 of 6

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**

As of March 31, 2016

Date	PROXY INJECT VOL REVENUE	PURCHASED DELIVERED	ACTUAL EXPENSE
------	-----------------------------	------------------------	----------------

**APRIL**

4/1/2015	Storage Injections	473,966	\$772,270.95
----------	--------------------	---------	--------------

commodity	22,942
-----------	--------

<b>Storage Injection Charges</b>	\$	11,822.93
----------------------------------	----	-----------

<b>PROXY</b>	459,075	\$767,298.82
--------------	---------	--------------

<b>APRIL FINAL CLOSE TOTAL</b>	<b>459,075</b>	<b>\$ 767,298.82</b>	<b>473,966</b>	<b>\$ 807,036.24</b>
--------------------------------	----------------	----------------------	----------------	----------------------

**MAY**

5/1/2015	575,625	\$897,938.93
----------	---------	--------------

Commodity Charges	\$16,647.71
-------------------	-------------

<b>Storage Injection Charges</b>	\$	18,031.85
----------------------------------	----	-----------

<b>PROXY</b>	411,060	\$654,386.73
--------------	---------	--------------

<b>MAY FINAL CLOSE TOTAL</b>	<b>411,060</b>	<b>\$ 654,386.73</b>	<b>575,625</b>	<b>\$ 932,618.49</b>
------------------------------	----------------	----------------------	----------------	----------------------

Attachment 4  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 2 of 6

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

Date		PROXY INJECT VOL	PURCHASED REVENUE	ACTUAL EXPENSE
			DELIVERED	\$
<b>JUNE</b>				
6/1/2015	Storage Injections		496,517	\$723,876.55
	commodity			\$14,331.07
	<b>Storage Injection Charges</b>			\$ 14,862.85
	PROXY	398,301	\$658,574.86	
	<b>JUNE FINAL CLOSE TOTAL</b>	<b>398,301</b>	<b>\$ 658,574.86</b>	<b>496,517 \$ 753,070.47</b>

**JULY**

7/1/2015	Storage Injections		541,913	\$710,793.08
	commodity			\$19,454.39
<b>Storage Injection Charges</b>				
	PROXY INJECTIONS	398,381	\$595,047.52	
	<b>July FINAL CLOSE TOTAL</b>	<b>398,381</b>	<b>\$ 595,047.52</b>	<b>541,913 \$ 746,786.10</b>

Attachment 4  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 3 of 6

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

Date	PROXY INJECT VOL REVENUE	PURCHASED DELIVERED	ACTUAL EXPENSE
<b>AUGUST</b>			
8/1/2015			
	Storage Injections	520,012	\$730,262.99
	commodity		\$16,083.40
	Storage Injection Charges		\$13,530.87
	PROXY INJECTIONS	396,614	\$599,236.78
	<b>AUGUST FINAL CLOSE TOTAL</b>	<b>396,614</b>	<b>\$ 599,236.78    520,012</b>
			<b>\$ 759,877.26</b>

**SEPTEMBER**

9/1/2015	Storage Injection	(482,439)	(660,375.16)
Commodity charges			
	Storage Injection Charges		15,257.63
	PROXY INJECTIONS	386,070	\$562,710.59
	<b>FINAL CLOSE TOTAL</b>	<b>386,070</b>	<b>\$ 562,710.59    -482,439</b>
			<b>(633,594.84)</b>

Attachment 4  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 4 of 6

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

Date	PROXY INJECT VOL	PURCHASED REVENUE	ACTUAL EXPENSE DELIVERED
------	---------------------	----------------------	-----------------------------

**OCTOBER**

10/1/2015	<b>Storage Injection</b>	(353,903)	(475,893.33)
	<b>Commodity Charges</b>		15,362.50
	<b>Storage Injection Charges</b>		7,790.65
	<b>PROXY INJECTIONS</b>	370,171	\$546,716.55
	<b>FINAL CLOSE TOTAL</b>	<hr/> 370,171	<hr/> \$ 546,716.55    -353,903    (452,740.18)

**NOVEMBER**

11/1/2015	<b>Storage Injection</b>	(213,441)	(302,146.52)
	<b>Commodity Charges</b>		12,894.98
	<b>Storage Injection Charges</b>		2,589.24
	<b>PROXY INJECTIONS</b>	73,183	\$102,687.49
	<b>TOTAL</b>	<hr/> 73,183	<hr/> \$ 102,687.49    -213,441    (286,662.31)

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

	PROXY	PURCHASED ACTUAL EXPENSE
Date	INJECT VOL REVENUE	DELIVERED \$

**DECEMBER**

12/1/2015

Storage Injection	-262,762	(402,532.38)
Commodity Charges	12,391.40	
Storage Injection Charges	2,855.38	
 PROXY INJECTIONS	 94,176	 \$163,356.82
 <b>TOTAL</b>	 <hr/> 94,176	 <hr/> \$ 163,356.82    -262,762    (387,285.60)

**JANUARY**

1/1/2016 Storage Injection	(98,582)	(214,670.51)
Commodity Charges	6,533.13	
Storage Injection Charges	1,929.92	
 PROXY INJECTIONS	 73,595	 \$108,679.01
 <b>TOTAL</b>	 <hr/> 73,595	 <hr/> \$ 108,679.01    -98,582    (206,207.46)

Attachment 4  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 6 of 6

**Storage Injection Transaction Deal**  
**National Grid Natural Gas Portfolio Management Plan**  
As of March 31, 2016

Date	PROXY INJECT VOL	PURCHASED REVENUE	ACTUAL EXPENSE DELIVERED	\$
------	---------------------	----------------------	-----------------------------	----

**FEBRUARY**

2/1/2016 Storage Injection		(136,951)	(246,840.09)
Commodity Charges			8,748.55
Storage Injection Charges			2,757.51
PROXY INJECTIONS	107,229	\$ 165,476.05	
<b>TOTAL</b>	<b>107,229</b>	<b>\$ 165,476.05</b>	<b>-136,951</b>
			<b>(235,334.03)</b>

**MARCH**

3/1/2016 Storage Injection		(176,630)	(217,977.11)
Commodity Charges		\$	9,573.56
Storage Injection Charges			\$3,189.46
PROXY INJECTIONS	97,420	\$ 105,410.67	
<b>TOTAL</b>	<b>97,420</b>	<b>\$ 105,410.67</b>	<b>-176,630</b>
			<b>\$ (205,214.09)</b>

Attachment 5  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 1 of 4

Narragansett Storage Summary  
National Grid Natural Gas Portfolio Management Plan

DATE	PAPER			ACTUAL			Actual - Paper (dt)	
Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG		
APRIL	FSMA 501	319,511	\$758,378.87	\$ 2.3736	312,963	\$888,815.18	\$ 2.8400	(6,548)
	FSMA 62918	54,643	\$149,826.42	\$ 2.7419	142,318	\$516,183.53	\$ 3.6270	87,675
	FSS-1 400515	16,212	\$40,547.17	\$ 2.5011	16,759	\$50,491.80	\$ 3.0128	547
	GSS 300168	45,977	\$129,312.40	\$ 2.8125	95,794	\$356,405.23	\$ 3.7205	49,817
	GSS 300169	58,886	\$152,768.44	\$ 2.5943	64,085	\$189,316.66	\$ 2.9541	5,199
	GSS 300170	127,548	\$335,025.25	\$ 2.6267	291,227	\$1,076,696.87	\$ 3.6971	163,679
	GSS 300171	41,068	\$89,276.24	\$ 2.1739	50,538	\$140,170.82	\$ 2.7736	9,470
	GSSTE 600045	943,889	\$3,450,774.34	\$ 3.6559	439,920	\$1,451,356.47	\$ 3.2991	(503,969)
	SS-1 400185	19,826	\$56,649.24	\$ 2.8573	20,784	\$67,816.53	\$ 3.2629	958
	SS-1 400221	417,341	\$1,158,329.61	\$ 2.7755	439,310	\$1,417,275.03	\$ 3.2261	21,969
	TCO 9630	47,049	\$154,100.90	\$ 3.2753	62,945	\$179,812.01	\$ 2.8567	15,896
<b>Total</b>		<b>2,091,950</b>	<b>\$6,474,988.88</b>	<b>\$ 3.0952</b>	<b>1,936,643</b>	<b>\$6,334,340.13</b>	<b>\$ 3.2708</b>	<b>(155,307)</b>
<b>MAY</b>								
MAY	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)
	FSMA 501	397,372	\$877,415.00	\$ 2.2080	340,766	\$1,042,002.42	3.0578	(56,606)
	FSMA 62918	78,978	\$187,399.66	\$ 2.3728	164,635	\$499,119.82	3.0317	85,657
	FSS-1 400515	22,642	\$50,262.37	\$ 2.2199	23,191	\$65,316.02	2.8164	549
	GSS 300168	63,213	\$156,633.19	\$ 2.4779	113,030	\$341,799.40	3.0240	49,817
	GSS 300169	82,384	\$189,152.74	\$ 2.2960	87,583	\$248,432.62	2.8365	5,199
	GSS 300170	185,549	\$426,962.64	\$ 2.3011	349,228	\$1,048,371.09	3.0020	163,679
	GSS 300171	64,752	\$124,518.03	\$ 1.9230	74,284	\$204,525.12	2.7533	9,532
	GSSTE 600045	1,008,214	\$3,546,489.94	\$ 3.5176	649,379	\$1,784,991.53	2.7488	(358,835)
	SS-1 400185	24,890	\$64,309.30	\$ 2.5837	25,715	\$75,993.34	2.9552	825
	SS-1 400221	534,339	\$1,330,079.52	\$ 2.4892	551,380	\$1,606,252.04	2.9131	17,041
	TCO 9630	74,546	\$222,964.39	\$ 2.9910	90,442	\$250,479.88	2.7695	15,896
<b>Total</b>		<b>2,536,879</b>	<b>7,176,186.78</b>	<b>\$ 2.8287</b>	<b>2,469,633</b>	<b>\$ 7,167,283.26</b>	<b>2.9022</b>	<b>(67,246)</b>
<b>JUNE</b>								
JUNE	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)
	FSMA 501	423,768	\$902,841.10	\$ 2.1305	359,653	\$980,099.41	\$ 2.7251	(64,115)
	FSMA 62918	100,881	\$220,728.42	\$ 2.1880	175,258	\$490,566.23	\$ 2.7991	74,377
	FSS-1 400515	29,069	\$60,113.46	\$ 2.0680	29,620	\$77,121.66	\$ 2.6037	551
	GSS 300168	80,463	\$185,390.66	\$ 2.3040	128,780	\$352,397.62	\$ 2.7364	48,317
	GSS 300169	105,904	\$226,065.03	\$ 2.1346	111,103	\$290,581.28	\$ 2.6154	5,199
	GSS 300170	243,569	\$523,687.78	\$ 2.1501	403,492	\$1,097,444.29	\$ 2.7199	159,923
	GSS 300171	88,422	\$160,228.96	\$ 1.8121	97,744	\$251,894.38	\$ 2.5771	9,322
	GSSTE 600045	1,073,584	\$3,645,113.66	\$ 3.3953	789,153	\$2,093,624.18	\$ 2.6530	(284,431)
	SS-1 400185	29,966	\$72,098.53	\$ 2.4060	30,792	\$82,348.32	\$ 2.6743	826
	SS-1 400221	655,758	\$1,513,326.09	\$ 2.3078	672,498	\$1,784,335.81	\$ 2.6533	16,740
	TCO 9630	102,056	\$300,845.20	\$ 2.9478	117,952	\$304,247.70	\$ 2.5794	15,896
<b>Total</b>		<b>2,933,440</b>	<b>7,810,438.89</b>	<b>\$ 2.6626</b>	<b>2,916,045</b>	<b>\$ 7,804,660.88</b>	<b>\$ 2.6765</b>	<b>(17,395)</b>

Attachment 5  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 2 of 4

Narragansett Storage Summary  
National Grid Natural Gas Portfolio Management Plan

DATE	PAPER				ACTUAL			Actual - Paper (dt)	
JULY	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	429,671	\$885,711.98	2.0614	348,884	\$909,493.60	2.6069	(80,787)
	FSMA	62918	126,580	\$256,503.99	2.0264	200,957	\$504,783.69	2.5119	74,377
	FSS-1	400515	35,489	\$69,099.39	1.9471	36,042	\$88,183.27	2.4467	553
	GSS	300168	97,699	\$210,062.27	2.1501	146,016	\$368,895.85	2.5264	48,317
	GSS	300169	129,402	\$259,728.27	2.0071	134,601	\$330,384.43	2.4545	5,199
	GSS	300170	301,570	\$606,710.41	2.0118	461,493	\$1,161,437.06	2.5167	159,923
	GSS	300171	112,106	\$192,780.25	1.7196	121,428	\$294,885.99	2.4285	9,322
	GSSTE	600045	1,138,932	\$3,734,927.95	3.2793	987,801	\$2,391,305.16	2.4208	(151,131)
	SS-1	400185	35,053	\$79,226.79	2.2602	35,880	\$89,437.93	2.4927	827
	SS-1	400221	779,165	\$1,686,175.70	2.1641	787,465	\$1,949,839.99	2.4761	8,300
	TCO	9630	129,584	\$377,092.25	2.9100	145,480	\$353,670.95	2.4311	15,896
	Total		3,315,251	8,358,019.25	2.5211	3,406,047	\$ 8,442,317.92	2.4786	90,796
AUGUST									
Facility		Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	489,958	\$983,950.58	2.0082	364,719	\$803,489.37	2.2030	(125,239)
	FSMA	62918	152,279	\$294,620.75	1.9347	195,584	\$485,360.56	2.4816	43,305
	FSS-1	400515	41,934	\$77,934.16	1.8585	42,489	\$98,817.67	2.3257	555
	GSS	300168	114,935	\$236,323.04	2.0561	146,016	\$361,919.11	2.4786	31,081
	GSS	300169	152,900	\$292,674.81	1.9142	158,099	\$368,641.96	2.3317	5,199
	GSS	300170	359,602	\$695,127.97	1.9330	461,493	\$1,143,868.72	2.4786	101,891
	GSS	300171	135,790	\$224,616.28	1.6541	145,174	\$336,353.41	2.3169	9,384
	GSSTE	600045	1,204,311	\$3,822,810.40	3.1743	1,177,893	\$2,731,691.52	2.3191	(26,418)
	SS-1	400185	40,136	\$86,201.61	2.1477	40,964	\$96,380.02	2.3528	828
	SS-1	400221	902,628	\$1,855,515.73	2.0557	907,333	\$2,124,611.88	2.3416	4,705
	TCO	9630	157,081	\$456,338.61	2.9051	172,977	\$400,816.36	2.3172	15,896
	Total		3,751,554	9,026,113.93	2.4060	3,812,741	\$ 8,951,950.58	2.3479	61,187
SEPTEMBER									
Facility		Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	529,410	\$1,043,787.82	1.9716	478,778	\$989,328.41	2.0664	(50,632)
	FSMA	62918	177,989	\$335,620.49	1.8856	182,091	\$422,420.06	2.3198	4,102
	FSS-1	400515	48,375	\$86,103.49	1.7799	48,932	\$108,992.12	2.2274	557
	GSS	300168	132,185	\$264,550.94	2.0014	146,016	\$342,831.58	2.3479	13,831
	GSS	300169	176,420	\$323,177.90	1.8319	181,619	\$405,385.36	2.2321	5,199
	GSS	300170	417,622	\$790,071.90	1.8918	475,553	\$1,103,966.32	2.3214	57,931
	GSS	300171	159,460	\$253,988.39	1.5928	168,934	\$375,380.54	2.2221	9,474
	GSSTE	600045	1,269,681	\$3,903,928.03	3.0747	1,269,693	\$2,898,940.45	2.2832	12
	SS-1	400185	45,230	\$92,669.00	2.0488	46,059	\$103,450.47	2.2460	829
	SS-1	400221	1,026,336	\$2,012,510.70	1.9609	1,033,112	\$2,310,908.21	2.2368	6,776
	TCO	9630	183,571	\$526,465.58	2.8679	199,437	\$443,864.07	2.2256	15,866
	Total		4,166,279	9,632,874.23	2.3121	4,230,224	\$ 9,505,467.58	2.2470	63,945

Attachment 5  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 3 of 4

Narragansett Storage Summary  
National Grid Natural Gas Portfolio Management Plan

DATE	PAPER			ACTUAL			Actual - Paper (dt)		
OCTOBER	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	\$510,628	\$991,002.91	\$1.9408	485,216	\$1,017,844.38	2.0977	(25,412)
	FSMA	62918	190,528	\$353,054.10	\$1.8530	183,831	\$399,842.46	2.1751	(6,697)
	FSS-1	400515	54,872	\$94,685.94	\$1.7256	53,643	\$116,626.78	2.1741	(1,229)
	GSS	300168	148,198	\$290,997.30	\$1.9636	149,604	\$333,255.86	2.2276	1,406
	GSS	300169	199,918	\$354,888.45	\$1.7752	198,139	\$431,873.51	2.1796	(1,779)
	GSS	300170	476,089	\$888,144.42	\$1.8655	476,081	\$1,069,342.17	2.2461	(8)
	GSS	300171	183,144	\$284,599.96	\$1.5540	181,700	\$397,959.22	2.1902	(1,444)
	GSSTE	600045	1,323,247	\$3,945,252.23	\$2.9815	1,330,588	\$2,938,708.47	2.2086	7,341
	SS-1	400185	50,367	\$99,461.74	\$1.9747	49,853	\$108,848.49	2.1834	(514)
	SS-1	400221	1,105,814	\$2,090,535.32	\$1.8905	1,143,309	\$2,460,858.14	2.1524	37,495
	TCO	9630	197,831	\$561,741.97	\$2.8395	199,437	\$448,142.21	2.2470	1,606
	Total		4,440,636	\$9,954,364.33	2.2417	4,451,401	\$ 9,723,301.69	2.1843	10,765
NOVEMBER	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	543,215	\$1,022,666.24	\$1.8826	512,670	\$1,024,947.55	1.9992	(30,545)
	FSMA	62918	177,418	\$327,037.89	\$1.8433	170,739	\$369,680.56	2.1652	(6,679)
	FSS-1	400515	54,752	\$94,436.07	\$1.7248	53,516	\$116,709.56	2.1808	(1,236)
	GSS	300168	144,073	\$281,801.96	\$1.9560	145,482	\$316,072.07	2.1726	1,409
	GSS	300169	195,526	\$345,646.07	\$1.7678	193,751	\$420,897.78	2.1724	(1,775)
	GSS	300170	453,488	\$843,388.99	\$1.8598	451,190	\$981,945.09	2.1763	(2,298)
	GSS	300171	176,208	\$273,064.59	\$1.5497	174,716	\$379,634.83	2.1729	(1,492)
	GSSTE	600045	1,311,890	\$3,869,591.09	\$2.9496	1,329,483	\$2,887,702.21	2.1720	17,593
	SS-1	400185	49,915	\$98,472.31	\$1.9728	49,396	\$107,736.29	2.1811	(519)
	SS-1	400221	1,087,005	\$2,046,622.73	\$1.8828	1,124,259	\$2,444,378.20	2.1742	37,254
	TCO 9630	11230	192,741	\$547,288.90	\$2.8395	194,347	\$424,673.75	2.1851	1,606
	Total		4,386,231	\$9,750,016.83	2.2229	4,399,549	\$ 9,474,377.88	2.1535	13,318
DECEMBER	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	600,168	\$1,107,815.11	\$1.8458	570,150	\$1,134,914.27	1.9906	(30,018)
	FSMA	62918	171,394	\$315,831.51	\$1.8427	164,721	\$350,059.26	2.1252	(6,673)
	FSS-1	400515	52,436	\$90,472.84	\$1.7254	53,260	\$114,398.71	2.1479	824
	GSS	300168	139,267	\$272,091.75	\$1.9537	144,879	\$310,205.89	2.1411	5,612
	GSS	300169	192,097	\$339,249.48	\$1.7660	194,444	\$416,296.13	2.1410	2,347
	GSS	300170	439,931	\$818,248.89	\$1.8599	451,997	\$967,605.17	2.1407	12,066
	GSS	300171	169,843	\$263,645.86	\$1.5523	173,638	\$371,914.17	2.1419	3,795
	GSSTE	600045	1,317,795	\$3,838,695.24	\$2.9130	1,346,149	\$2,879,283.11	2.1389	28,354
	SS-1	400185	48,363	\$95,319.90	\$1.9709	49,205	\$105,689.92	2.1480	842
	SS-1	400221	1,046,503	\$1,969,207.70	\$1.8817	1,112,987	\$2,390,793.10	2.1481	66,484
	TCO 9630	11230	185,786	\$527,055.23	\$2.8369	186,712	\$402,314.79	2.1547	926
	Total		4,363,583	\$9,637,633.51	2.2087	4,448,142	\$ 9,443,474.53	2.1230	84,559

Attachment 5  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 4 of 4

**Narragansett Storage Summary**  
National Grid Natural Gas Portfolio Management Plan

DATE	PAPER				ACTUAL			Actual - Paper (dt)	
JANUARY	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	495,520	916,712.79	1.850002	465,528	\$993,391.65	2.133903	(29,992)
	FSMA	62918	114,778	211,135.17	1.839509	144,619	\$307,534.59	2.126516	29,841
	FSS-1	400515	43,296	74,670.09	1.724642	45,061	\$95,679.37	2.12333	1,765
	GSS	300168	113,446	221,020.55	1.948245	138,672	\$295,030.69	2.127543	25,226
	GSS	300169	155,827	274,273.35	1.760114	158,174	\$336,196.52	2.125485	2,347
	GSS	300170	339,883	631,147.07	1.856954	432,660	\$920,547.56	2.127647	92,777
	GSS	300171	128,000	198,299.27	1.549213	131,776	\$280,083.19	2.125449	3,776
	GSSTE	600045	1,247,514	3,579,681.69	2.869452	1,156,671	\$2,460,002.05	2.126795	(90,843)
	SS-1	400185	41,801	82,305.43	1.968982	43,301	\$91,948.02	2.123462	1,500
	SS-1	400221	871,400	1,635,713.76	1.87711	943,052	\$2,002,937.47	2.123889	71,652
	TCO 9630	11230	129,796	368,217.52	2.836894	130,722	\$277,318.91	2.12144	926
	<b>Total</b>		<b>3,681,261</b>	<b>8,193,176.68</b>	<b>2.225644</b>	<b>3,790,236</b>	<b>\$8,060,670.01</b>	<b>2.126693</b>	<b>108,975</b>
FEBRUARY	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	351,822	647,145.22	1.839411	340,813	\$715,301.26	2.098809	(11,009)
	FSMA	62918	133,491	244,191.23	1.829271	172,135	\$364,347.99	2.116641	38,644
	FSS-1	400515	34,515	59,399.99	1.720991	38,180	\$81,083.92	2.123728	3,665
	GSS	300168	91,582	177,158.87	1.934429	131,044	\$278,180.71	2.122804	39,462
	GSS	300169	130,474	229,083.77	1.755781	134,939	\$286,648.51	2.124282	4,465
	GSS	300170	280,315	517,308.02	1.845452	419,177	\$889,342.01	2.121638	138,862
	GSS	300171	99,669	154,309.45	1.548219	105,706	\$224,719.01	2.125887	6,037
	GSSTE	600045	1,199,161	3,381,864.08	2.820192	1,097,055	\$2,327,091.05	2.121216	(102,106)
	SS-1	400185	35,777	70,119.87	1.959915	38,634	\$82,021.42	2.123037	2,857
	SS-1	400221	713,657	1,331,813.40	1.866181	803,993	\$1,705,673.93	2.121503	90,336
	TCO 9630	11230	86,074	243,878.44	2.833358	87,000	\$185,153.10	2.128197	926
	<b>Total</b>		<b>3,156,537</b>	<b>7,056,272.33</b>	<b>2.235447</b>	<b>3,368,676</b>	<b>\$7,139,562.92</b>	<b>2.119397</b>	<b>212,139</b>
MARCH	Facility	Paper Balance Vol	Paper Balance \$	WACOG	Actual Balance -Vol	Actual Balance \$	WACOG	Actual - Paper (dt)	
	FSMA	501	305,348	545,140.54	1.785309	289,427	\$561,879.28	1.941351	(15,921)
	FSMA	62918	96,045	173,445.37	1.805876	162,725	\$339,898.88	2.088793	66,680
	FSS-1	400515	32,380	55,389.78	1.710617	36,804	\$77,636.63	2.109462	4,424
	GSS	300168	81,151	154,987.91	1.909871	130,443	\$273,788.15	2.09891	49,292
	GSS	300169	112,819	196,900.43	1.745277	119,347	\$252,112.63	2.112434	6,528
	GSS	300170	253,980	462,177.82	1.819741	430,877	\$902,454.84	2.09446	176,897
	GSS	300171	77,879	119,817.21	1.538505	86,521	\$182,813.12	2.112934	8,642
	GSSTE	600045	1,185,227	3,260,098.15	2.750611	1,091,560	\$2,277,725.08	2.08667	(93,667)
	SS-1	400185	34,247	66,696.61	1.947517	37,781	\$79,698.38	2.109483	3,534
	SS-1	400221	636,553	1,168,469.72	1.83562	760,941	\$1,593,759.57	2.094459	124,388
	TCO 9630	11230	59,596	168,856.79	2.833358	60,522	\$129,308.18	2.136548	926
	<b>Total</b>		<b>2,875,225</b>	<b>6,371,980.32</b>	<b>2.216168</b>	<b>3,206,948</b>	<b>\$6,671,074.75</b>	<b>2.080194</b>	<b>331,723</b>

April 2015

Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,156 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 16,482 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TECO zone M3 GDA: TECO zone M3	Variable transportation charges for (1) TCO from the TCO <b>Eagle</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 3,445 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 29,679 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO <b>Maumee</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 9,893 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO <b>Broad Run</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,814 MMBtu/day	Columbia Gas Transmission FOM: Transco zn 6 non-NY GDA: Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO <b>Downington</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 10,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100.0%</b> for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170). The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
29,679 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100%</b> for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 70 of 86

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 2 of 12

May 2015  
Rhode Island Dispatch Pricing Structure

## TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,156 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 14,227 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO <b>Eagle</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 3,169 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 18,492 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO <b>Maumee</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

## STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100.0%</b> for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
18,492 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100%</b> for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Easter SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

June 2015  
Rhode Island Dispatch Pricing Structure

### TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,156 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,469 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 2,614 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 18,492 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

### STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
18,492 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 4 of 12

July 2015  
Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) inroads from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point.	AMA - Baseload
First 11,600 MMBtu/day ConneXion	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 0 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity 3,000 Baseload December - February
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetc, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,158 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,469 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 0 MMBtu/day	Leidy-Dominion FOM: Tetc, zone M-2 GDA: Tetc, zone M-2	Variable transportation charges for Leidy-Dominion from Tetc M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Dominion, South Point FOM: DTI, South Point GDA: DTI, South Point	Variable transportation charges for Dominion, South Point from Dominion to Texas Eastern Zone M-3, to the Algonquin Delivery Points.	Excess withdrawal from DTI GSS 300169
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TOC from the TCEagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 2,614 MMBtu/day	TETCO M3 FOM: Tetc, Zone M3 GDA: Tetc, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 0 MMBtu/day	TETCO M2 FOM: Tetc, Zone M2 GDA: Tetc, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule Tetc SCT Purchased at M2
Next 18,492 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Broad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Columbia Gas Transmission FOM: Transco zn 6 non-NY GDA: Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO Downingtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 0 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Hubline	

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 0 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170). The remaining quantity will be available under the Transport Price Tier.
Next 13,653 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: LA 500 leg	Variable transportation charges from Tennessee zone 0 to Tennessee zone 0 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 0.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170). The remaining quantity will be available under the Transport Price Tier.
Next 6,160 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Tennessee FOM:LA 800 leg	Variable transportation charges from Tennessee zone 0 to Tennessee zone 0 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 0.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170). The remaining quantity will be available under the Transport Price Tier.

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
18,492 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days times 100% for the following storage asset TCO-FSS contract 950. The remaining quantity will be available under the Transport Price Tier.

Texas Eastern (Tetc) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO M-2	Variable transportation charges from Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier.

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 73 of 86

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 5 of 12

August 2015

Rhode Island Dispatch Pricing Structure

## TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,156 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,469 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO <b>Eagle</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 2,614 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 18,492 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO <b>Maumee</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

## STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100.0%</b> for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
18,492 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100%</b> for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Easter SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 6 of 12

September 2015  
Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) Iroquois from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point(s).	AMA - Baseload
First 11,600 MMBtu/day	Tennessee FOM-Tenn Zone 4 GDA-Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 20,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM-Tenn Zone 4 GDA-Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 0 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity 3,000 Baseload December - February
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,156 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,469 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 0 MMBtu/day	Leidy-Dominion FOM: Tetco, zone M2 GDA: Tetco, zone M2	Variable transportation charges for Leidy-Dominion from Tetco M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	FOM: DTI, South Point GDA: DTI, South Point	Variable transportation charges for Dominion, South Point from Dominion, TX Texas Eastern Zone M-3, to the Algonquin Delivery Point(s).	Excess withdrawal from DTI GSS 300169
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TECO zone M3 GDA: TECO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 2,614 MMBtu/day	TETCO M3 FOM: Tetco, zone M3 GDA: Tetco, zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 0 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule Tetco SCT Purchased at M2
Next 18,492 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Broad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Columbia Gas Transmission FOM: Transco z6 non-NY GDA: Transco z6 non-NY	Variable transportation charges for (1) TCO from the TCO Downingtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 0 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity
Next 8,000 MMBtu/day	Algonquin city-gates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier
Next 13,653 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: LA 500 leg	Variable transportation charges from Tennessee zone 0 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 0.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier
Next 6,160 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: LA 800 leg	Variable transportation charges from Tennessee zone 0 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 0.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
18,492 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Price Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Eastern, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Price Tier

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 75 of 86

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 7 of 12

October 2015  
Rhode Island Dispatch Pricing Structure

## TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 11,852 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 4,325 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 19,727 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 10,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Emera East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

## STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
19,727 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515) The remaining quantity will be available under the Transport Tier

November 2015

Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 45,443 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 9,853 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,561 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO <b>Eagle</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 4,325 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 19,548 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO <b>Maumee</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 0 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO <b>Broad Run</b> to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 179 MMBtu/day	Columbia Gas Transmission FOM: Transco zn 6 non-NY GDA: Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO <b>Downingtown</b> Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 10,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100.0%</b> for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
19,548 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,443 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times <b>100%</b> for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 77 of 86  
Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 9 of 12

December 2015  
Rhode Island Dispatch Pricing Structure

### TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) Iroquois from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point.	AMA - Baseload
Next 11,600 MMBtu/day ConneXion	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 GDA: Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 3,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity 3,000 Baseload December - February
Next 45,534 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,159 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 70 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,293 MMBtu/day	Leidy-Dominion FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Leidy-Dominion from Tetco M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 5,245 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,569 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 3,442 MMBtu/day	TETCO M3 FOM: Tetco, Zone M3 GDA: Tetco, Zone M3	Variable transportation charges for Algonquin from Texas Eastern, zone M-3 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M3
Next 29,739 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 9,913 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Broad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,821 MMBtu/day	Columbia Gas Transmission FOM: Transco zn 6 non-NY GDA: Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO Downingtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 7,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

### STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
29,739 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
45,534 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Eastern, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171 DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 10 of 12

January 2016  
Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) Iroquois from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point.	AMA - Baseload
Next 11,600 MMBtu/day Connexion	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	Connexion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

  

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 3,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity 3,000 Baseload December - February
Next 44,171 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx, Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,157 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 72 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,293 MMBtu/day	Leidy-Dominion FOM: Tetco, Zone M-2 GDA: Tetco, Zone M-2	Variable transportation charges for Leidy-Dominion from Tetco M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 6,610 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,569 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCOEagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 1,363 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Zone, M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M2
Next 2,081 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule Tetco SCT Purchased at M2
Next 29,739 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCOMaumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 9,913 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCOBroad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,817 MMBtu/day	Columbia Gas Transmission FOM:Transco zn 6 non-NY GDA:Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCODowningtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 7,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Hubline	

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 Connexion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
29,739 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
44,171 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier
0 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: East Texas zone	Variable transportation charges from the East Texas zone to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515. Variable transportation	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 20.7% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier
0 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: South Texas zone	Variable transportation charges from the South Texas zone to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515. Variable transportation	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 13.1% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier
0 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: West Louisiana zone	Variable transportation charges from the West Louisiana zone to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515. Variable transportation	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 23.3% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier
0 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: East Louisiana zone	Variable transportation charges from the East Louisiana zone to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515. Variable transportation	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 42.9% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515.) The remaining quantity will be available under the Transport Tier

February 2016  
Rhode Island Dispatch Pricing Structure

**TRANSPORT TIER**

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) Iroquois from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point(s).	AMA - Baseload
Next 11,600 MMBtu/day Connexion	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	Connexion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 3,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity 3,000 Baseload December - February
Next 44,171 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx, Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,157 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 72 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,293 MMBtu/day	Leidy-Dominion FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Leidy-Dominion from Tetco M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 6,606 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,569 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 1,363 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M2
Next 2,081 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule Tetco SCT Purchased at M2
Next 29,739 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 9,913 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Broad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,821 MMBtu/day	Columbia Gas Transmission FOM: Transco zn 6 non-NY GDA: Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO Downingtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 7,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

**STORAGE TIER**

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 Connexion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170). The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
29,739 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
44,171 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Easteren, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515 ) The remaining quantity will be available under the Transport Tier

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 80 of 86  
Attachment 6  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 12 of 12

March 2016  
Rhode Island Dispatch Pricing Structure

### TRANSPORT TIER

Tennessee Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 11,600 MMBtu/day ConneXion	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	ConneXion
Next 29,335 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier.	Tennessee FOM:Tenn Zone 4 GDA:Tenn Zone 4	Variable transportation charges for Tennessee from Tennessee Zone 4 to the Tennessee Delivery Point(s).	
Next 1,067 MMBtu/day	Index: Northeast, Niagara GDA: Canadian, Niagara	Variable transportation charges for Tennessee from Tennessee Niagara River to the Tennessee Delivery Point(s).	
Next 1,000 MMBtu/day	Index: negotiated GDA: negotiated	Variable transportation charges for (1) Iroquois from Waddington to Wright and (2) for Tennessee from Wright to the Tennessee Delivery Point.	AMA
Remaining Contract Quantity up to the MDQ 15,000 MMBtu/day	Index: TGP Zone 6 GDA: TGP Zone 6	Variable transportation charges for Tennessee from Dracut to the Tennessee Delivery Point.	

Algonquin Delivery Points			
Quantity	Pipeline and Zone	Transport Costs	Comments
First 44,171 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	TETCO FOM: Tetco, zone M-2 GDA: Tx. Eastern, M-2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Purchased at M2
Next 1,157 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin SCT from Lambertville to the Algonquin Delivery Point(s).	
Next 72 MMBtu/day	Transco-Leidy FOM: Transco, Leidy Line GDA: Transco, Leidy Line	Variable transportation charges for Transco, Leidy Line from Transco zone 6 to Leidy and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 4,293 MMBtu/day	Leidy-Dominion FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Leidy-Dominion from Tetco M2 to M3 and Algonquin from Lambertville to the Algonquin Delivery Point(s).	
Next 6,606 MMBtu/day Remaining Contract Quantity up to the MDQ (Disconnect between TETCO and AGT)	TETCO M3 FOM: TETCO zone M3 GDA: TETCO zone M3	Algonquin's variable transportation charges from Lambertville to the Algonquin Delivery Point(s).	Purchased at M3
Next 3,569 MMBtu/day	Columbia Gas Transmission FOM: TETCO zone M3 GDA: TETCO zone M3	Variable transportation charges for (1) TCO from the TCO Eagle Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 1,363 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule AGT SCT Purchased at M2
Next 2,081 MMBtu/day	TETCO M2 FOM: Tetco, Zone M2 GDA: Tetco, Zone M2	Variable transportation charges for Algonquin from Texas Eastern, zone M-2 to the Algonquin Delivery Point(s).	Rate Schedule Tetco SCT Purchased at M2
Next 29,739 MMBtu/day During the injection season first allocated to the storage refill in accordance with the comments in Storage Tier. Remaining volume is allocated to Transportation Tier	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from TCO Maumee to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 9,913 MMBtu/day	Columbia Gas Transmission FOM: TCO Appalachia GDA: Columbia Gas Appalachia	Variable transportation charges for (1) TCO from the TCO Broad Run to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point(s).	
Next 3,821 MMBtu/day	Columbia Gas Transmission FOM:Transco zn 6 non-NY GDA:Transco zn 6 non-NY	Variable transportation charges for (1) TCO from the TCO Downingtown Receipt Point to TCO-Hanover, and (2) for Algonquin from TCO-Hanover to the Algonquin Delivery Point.	
Next 10,000 MMBtu/day East to West	Algonquin FOM: Algonquin city-gates GDA: Algonquin city-gates	Delivered directly to Algonquin Delivery Point(s) at city-gate price which includes variable charges.	AMA with Shell Energy East to West capacity
Next 8,000 MMBtu/day	Algonquin citygates GDA less variables	Algonquin's variable transportation charges from Algonquin's Hubline to the Algonquin Delivery Point(s).	Hubline

### STORAGE TIER

Tennessee Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
11,600 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	Tennessee FOM: Tenn Zone 4 ConneXion	Variable transportation charges from Tennessee Zone 4 to Tennessee zone 4 plus applicable injection charges for storage contracts FSMA 62918, FSMA 501, DTI-GSS 300168 and DTI-GSS 300170.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100.0% for the following storage assets. (FSMA Contract 62918, FSMA contract 501, DTI-GSS contract 300168 and DTI-GSS 300170) The remaining quantity will be available under the Transport Price Tier

Columbia Gas Transmission (TCO) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport and Injection Costs	Comments
29,739 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comment. Remaining volume is allocated to Transportation Tier.	Columbia Gas Transmission FOM: TCO Appalachia	Variable transportation charges from TCO Maumee to the storage delivery point plus applicable injection charges.	The quantity allocated to Storage Tier will be calculated as the sum of the total storage capacity less the sum of the initial storage balance divided by 214 days for the following storage asset TCO-FSS contract 9630. The remaining quantity will be available under the Transport Tier

Texas Eastern (Tetco) Receipt Point for Storage Injection Allocation			
Quantity	Pipeline and Zone	Transport Costs	Comments
44,171 MMBtu/day During the injection season first allocated to the Storage Tier in accordance with the comments. Remaining volume is allocated to Transportation Tier.	TETCO FOM: Texas Eastern, zone M-2	Variable transportation charges from the Texas Eastern, zone M-2 to 60% Tetco market zone 2 and 40% Tetco market zone 3 plus applicable injection charges for storage contracts SS-1 400221, contract SS-1 400185, and contract FSS-1 400515.	The quantity allocated to storage refill will be calculated as the sum of the total storage capacities less the sum of the initial storage balances divided by 214 days times 100% for the following storage assets. (DTI-GSS contract 300169, DTI-GSS contract 300171, DTI-GSS-TE 600045, Texas Eastern SS-1 contract 400185, SS-1 contract 400221 and FSS-1 contract 400515) The remaining quantity will be available under the Transport Tier

**REDACTED**

Attachment 7 (Redacted)  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 1 of 2

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 81 of 86

Attachment 7 (Redacted)  
Docket 4038 - NGPMP Annual Report  
June 2, 2016  
Page 2 of 2

**REDACTED**

Realized Financial Transactions									
for April 2015									
Begin Date	Trade Type	Company	Counterparty	Trade Date	Position	Position Type	\$ 31,770 Profit / Loss		
							Quantity	Price	Debit - Credit
4/1/2015	Optimization - NEC	NARRAGANSE TT	NARRAGANSE TT	5/27/2015	SWAP	Optimization - NEC	95,000,000	2,590,000	(31,770,00)
212676619	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	2/24/2015	SWAP	Optimization - NEC	95,000,000	2,590,000	15,540,00
212676617	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(17,564,00)
212676622	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(20,321,00)
212676621	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676583	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,570,000	(16,032,00)
212676582	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,540,000	(15,540,00)
212676606	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,440,000	(16,488,00)
212676602	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,500,000	15,540,00
212676600	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,750,000	(16,100,00)
212676601	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	15,540,00
212676576	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	3/2/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(16,386,00)
212676577	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	3/2/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(18,30,00)
212676580	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676647	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676648	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676656	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676659	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(16,20,00)
212676605	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(46,200,00)
212676597	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(60,400,00)
212676513	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(65,150,00)
212676511	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	3,300,000	(31,080,00)
212676585	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(24,200,00)
212676396	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,100,000	(32,100,00)
212676647	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(15,540,00)
212676664	NG OTC Swap	NG OTC Swap	NARRAGANSE TT	4/1/2015	SWAP	Optimization - NEC	6,000,000	2,590,000	(32,200,00)

**REDACTED**  
MTM as of March 31, 2016

Attachment 8 (Redacted)  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 1 of 3

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 83 of 86

Groupdesc	Beg time	Trade Type	Product	Strategy/2	Company	Counterparty	Trade Date	Trade Book	Quantity	Price	NPV
Optimization - NEC					NARRAGANSETT	NARRAGANSETT			-442,755	-442,755	\$ 15,300,22
NARRAGANSETT	5/1/2016 12:00:00 AM	NG	NEC Refill		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-28,801	244,000	\$ 15,300,22
5/1/2016 12:00:00 AM	5/1/2016	NG	NEC Refill		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-1,600	244,000	\$ (21,493,23)
589158433	5/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 3,901,59
589158390	5/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (31,132,46)
589158438	5/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	124,000	1,389,000	\$ 131,765,52
589158436	5/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (172,655,20)
589158434	5/1/2016	NG Best Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (77,449,28)
589158371	5/1/2016	NG Best Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 261,019,62
589158330	5/1/2016	NG Best Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-151,201	-76,000	\$ (114,160,42)
589158330	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	239,867	244,000	\$ 22,156,82
589158333	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-4,000	244,000	\$ 12,286,40
589158335	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (10,260,27)
589158335	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 2,646,63
589158336	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (2,630,94)
589158336	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (23,650,57)
589158338	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-12,500	243,000	\$ 30,421,15
589158376	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,520,34)
589158376	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	23,900	\$ 23,100,09
589158376	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-4,500	0	\$ 13,337,34
589158377	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (13,338,35)
589158377	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (22,572,89)
589158377	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-11,000	22,000	\$ 25,166,13
589158377	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	5,500	22,000	\$ (12,258,87)
589158378	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 11,266,30
589158378	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (23,558,82)
589158379	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-11,500	22,700	\$ 26,103,24
589158379	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (23,558,82)
589158380	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-11,500	22,400	\$ 25,725,59
589158380	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (23,558,82)
589158381	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-11,500	21,000	\$ 24,166,05
589158381	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	5,000	21,000	\$ (9,935,18)
589158384	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 10,260,27
589158382	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 11,266,30
589158382	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,520,34)
589158382	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	19,000	\$ 10,041,04
589158382	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (13,467,83)
589158383	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	5,000	18,200	\$ (6,605,49)
589158383	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (12,258,06)
589158384	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-15,407,51	20,000	\$ (12,258,06)
589158384	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	20,000	20,000	\$ (6,604,51)
589158385	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,988	25,000	\$ 27,229,09
589158385	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (22,558,09)
589158385	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	16,000	\$ (20,520,34)
589158386	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 16,162,47
589158386	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-3,000	24,700	\$ 7,402,88
589158387	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 30,560,02
589158387	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,670,70)
589158388	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,520,34)
589158388	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	24,950	\$ 24,901,38
589158389	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-5,653	23,800	\$ 20,403,41
589158389	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-6,563	24,600	\$ 20,403,41
589158390	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,520,34)
589158390	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	16,000	\$ 16,162,47
589158391	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ (20,520,34)
589158391	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	-10,000	24,700	\$ 23,227,87
589158392	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158392	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158393	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158393	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158394	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158394	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158395	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158395	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158396	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158397	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158397	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158398	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158398	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158399	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158400	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158400	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158401	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158402	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158402	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158403	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158403	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158404	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158404	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158405	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158405	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158406	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158406	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158407	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158407	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158408	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87
589158408	6/1/2016	NG OTC Swap	NG		NARRAGANSETT	NARRAGANSETT	10/28/2016	Optimization - NEC	0	0	\$ 23,227,87

**REDACTED**  
MTM as of March 31, 20

Attachment 8 (Redacted)  
Docket 4038 - NGMP Annual Report  
June 2, 2016  
Page 3 of 3

**REDACTED**

MTM as of March 31, 2016

PHYSICAL GAS DEALS VALUED FROM ALLEGRO

COUNTERPARTY	DEAL KEY	DESCRIPTION	Profit (Loss) USD	Demand Charge (USD)	Liquidity Reserve (USD)	P&L (USD) (including Demand Charge & Liquidity Reserve)	
						GAIN (LOSS)	GAIN (LOSS)
	229701	Optimization - NEC	\$ 187	\$ -	\$ -	\$ 187	GAN
	229229	Optimization - NEC	\$ 4,183	\$ -	\$ -	\$ 4,183	GAN
	229763	Optimization - NEC	\$ 955	\$ -	\$ -	\$ 955	GAN
	229881	Optimization - NEC	\$ (50)	\$ -	\$ -	\$ -	(50) LOSS
	229809	Optimization - NEC	\$ 664	\$ -	\$ -	\$ 664	GAN
	229980	Optimization - NEC	\$ 3,932	\$ -	\$ -	\$ 3,932	GAN
	229985	Optimization - NEC	\$ 619	\$ -	\$ -	\$ 619	GAN
	229986	Optimization - NEC	\$ 1,753	\$ -	\$ -	\$ 1,753	GAN
			\$ 12,244	\$ -	\$ -	\$ 12,244	

**Carry Cost plus Cost of Collateral**  
Actual through March 2016

Narragansett Storage Fields- Tenn, Tetc, Algonquin, Columbia Gas and Dominion

95% NSQ 4.425/276		Proxy		Actual		Difference	
Month	End Balance \$'	End Balance \$'	% Decline	End Balance Volume	End Balance \$'	End Balance \$'	End Balance \$'
Apr-14	\$ 2,004,670	\$ 8,720,607.89		1,707,976	\$ 97,111,260.35	296,994	\$ 1,603,547.54
May-14	2,438,729	\$ 10,591,311.17	2,168,212	\$ 9,130,313.69	270,517	\$ 1,460,997.48	\$ -
Jun-14	2,859,531	\$ 12,051,092.19	2,555,701	\$ 10,845,337.02	283,830	\$ 1,205,755.17	\$ -
Jul-14	3,254,226	\$ 13,381,627.69	3,002,321	\$ 12,158,187.80	251,905	\$ 1,223,639.89	\$ -
Aug-14	3,663,957	\$ 14,515,788.65	3,512,974	\$ 13,428,852.33	155,983	\$ 1,089,936.52	\$ -
Sep-14	4,083,645	\$ 15,473,632.97	4,077,396	\$ 14,757,798.30	5749	\$ 716,034.67	\$ -
Oct-14	4,462,374	\$ 16,243,065.66	4,491,466	\$ 15,626,587.57	(29,092)	\$ 616,478.09	\$ -
Nov-14	4,237,034	\$ 15,313,877.75	4,260,449	\$ 14,791,154.75	(51,435%)	\$ 522,230.00	\$ -
Dec-14	3,919,094	\$ 14,139,083.41	3,828,781	\$ 13,314,590.33	-10,131%*	\$ 824,493.08	\$ -
Jan-15	2,908,376	\$ 10,503,020.10	2,788,260	\$ 9,721,751.90	-27,176%	\$ 120,116	\$ -
Feb-15	2,180,750	\$ 7,905,226.90	1,988,113	\$ 7,026,261.59	-28,697%	\$ 192,637	\$ -
Mar-15	1,627,022	\$ 5,852,272.93	1,583,410	\$ 5,494,504.25	-20,3561%	\$ 43,612	\$ -
Apr-15	\$ 2,091,950	\$ 6,474,968.88	3,0952	\$ 1,936,643	\$ 36,334,340.13	3,2708	\$ 140,648.75
May-15	2,536,879	\$ 7,176,86.78	2,8287	2,469,633	\$ 7,167,283.26	67,246	\$ 8,903.52
Jun-15	2,983,440	\$ 7,810,138.89	2,6626	2,916,045	\$ 7,804,660.88	17,395	\$ 5,778.01
Jul-15	3,315,251	\$ 8,358,019.25	2,5211	3,406,047	\$ 8,442,317.92	2,7486	\$ (84,296.67)
Aug-15	3,751,554	\$ 9,026,13.93	2,4061	3,812,741	\$ 8,951,950.58	6,0796	\$ (61,187)
Sep-15	4,166,279	\$ 9,632,074.23	2,3121	4,220,224	\$ 9,505,467.58	2,2470	\$ 127,406.65
Oct-15	4,440,636	\$ 9,954,364.33	2,2417	4,451,401	\$ 9,723,301.69	2,1843	\$ 231,062.64
Nov-15	4,386,231	\$ 9,750,016.83	2,2229	4,399,549	\$ 9,750,377.88	2,1535	\$ 275,638.95
Dec-15	4,363,583	\$ 9,637,633.51	2,2087	4,448,142	\$ 9,443,474.53	2,1230	\$ (84,559)
Jan-16	3,681,261	\$ 8,193,76.68	2,2256	3,790,236	\$ 8,060,670.01	2,1267	\$ 194,158.98
Feb-16	3,156,537	\$ 7,056,372.33	2,2254	3,368,676	\$ 7,139,562.32	2,1194	\$ 132,506.67
Mar-16	2,875,225	\$ 6,371,960.32	2,2162	3,206,946	\$ 6,671,074.75	2,0802	\$ (645,38)
Total		\$ 345,9744					\$ (25,764.16)

**Cost of Collateral - Hedging gain / loss = Actual through Mar 2016**

Month	Hedging Gain/(Loss)	Cumm Gain/Loss	Tariff Rate	Hedging Gain/(Loss) Cost of Collateral Outlay
April-15	\$ 31,770.00	\$ 31,770.00		\$ 9,760% \$ 258.40
May-15	\$ (11,556.00)	\$ 20,470.40		\$ 9,760% \$ 166.49
June-15	\$ (152,811.06)	\$ (132,536.57)		\$ 9,760% \$ (1,077.96)
July-15	\$ (57,03.22)	\$ (190,812.24)		\$ 9,760% \$ (1,551.94)
August-15	\$ (91,248.82)	\$ (282,535.04)		\$ 9,760% \$ (2,297.95)
September-15	\$ (134,722.18)	\$ (418,008.23)		\$ 9,760% \$ (3,399.80)
October-15	\$ (4,36.09)	\$ (423,246.17)		\$ 9,760% \$ (3,442.40)
November-15	\$ (2,231.07)	\$ (425,519.84)		\$ 9,760% \$ (3,460.89)
December-15	-	\$ (425,538.33)		\$ 9,760% \$ (3,461.05)
January-16	\$ 76,880.00	\$ (348,658.49)		\$ 9,760% \$ (2,835.76)
February-16	-	\$ (348,033.20)		\$ 9,760% \$ (2,830.67)
March-16	\$ -	\$ (348,028.11)		\$ 9,760% \$ (2,830.63)
Total	\$ -	\$ (345,9744)		\$ (25,764.16)

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4647  
Attachment SAM-3  
Page 86 of 86



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. McCUALEY  
ATTACHMENTS**

---

Attachment SAM-4

NGPMP Plan  
Effective April 1, 2009 – March 31, 2016

---

**National Grid**  
**Natural Gas Portfolio Management Plan**

Effective April 1, 2009

I. **Objectives**

To encourage the Company to minimize gas costs to customers by coupling a least-cost dispatch with an asset optimization program designed to obtain the maximum value from the gas supply portfolio resources.

II. **Structure of the Incentive Plan (“Plan”)**

- A. This Plan will become effective April 1, 2009. It will be reviewed with each Gas Cost Recovery (GCR) filing. The Company will file its Report on the Plan on June 1<sup>st</sup> each year showing the results of the Plan for the prior year, April 1 to March 31.
- B. Under this Plan, the Company will discontinue contracting with an asset manager as a full outsource supplier and will undertake the functions previously performed by the asset manager using Company resources.
- C. To measure the Company’s performance under the Plan and the benefits to customers, the Company will operate under the Plan in a way that parallels the current practices embedded in its previous asset management contracts with its outsource suppliers (*e.g.*, Merrill Lynch, ConocoPhillips).
- D. The starting point for the measurement of the optimization benefits will be based on a least cost dispatch order of the available resources in the supply portfolio coupled with a one-seventh ratable storage refill plan. The Company will receive a sharing of the benefits under this incentive plan to the extent it reduces costs below the level obtainable through purchasing under the least cost purchase dispatch order and ratable storage fill plan.
- E. This Plan will not be affected by or interact with the Gas Purchase Incentive Plan (“GPIP”) in any way. Because GPIP utilizes the purchase of future contracts for hedging, the GPIP does not affect the direct purchasing of supplies or the use of storage in any way, making the two plans entirely independent. The Company will operate under the Plan in a way that parallels the current practice; therefore the effectiveness of the GPIP will not be affected in any way.

---

### III. Revenue Sharing

#### A. Rhode Island Customer Guarantee

The Company will guarantee an annual gas cost optimization benefit to Rhode Island customers of \$1,000,000 regardless of the total net proceeds realized from optimizing the portfolio during twelve-month period commencing each April 1. Rhode Island customers will receive 1/12<sup>th</sup> of the \$1,000,000 (83,333.33/month) guarantee in each month. The remaining revenue sharing benefit to the customers will be applied to the GCR following the calculation period.

#### B. Sharing of Net Proceeds above the first \$1,000,000

Rhode Island customers will receive 80% of all net proceeds above the first \$1,000,000 and the Company will receive 20% of the net proceeds above the first \$1,000,000.

#### C. Calculation of Optimization Benefits

The optimization benefit will be calculated annually for the optimization activity executed during the year. The optimization benefit for revenue sharing will be calculated as the positive value of; the revenue from sales to the Rhode Island customers at the citygate and storage facilities, plus the revenue from sales to third parties, less the costs to procure all supplies as well as all variable costs associated with the purchase, delivery and storage.

---

### IV. Description of the Least Cost Dispatch Order

#### A. The least cost dispatch order, by which natural gas will be priced for Rhode Island customers for baseload and daily nominations will be based on published index prices, as it is in the current contract. An index price is a published price for gas supply at a particular location, in this case, the point of receipt for the Company's pipeline capacity where it purchases supply to transport on its pipeline transportation capacity. Each year, the Company will analyze the historic reference index price for each receipt point and each asset path's delivered price to the citygate. Based on these historical index prices and the delivered cost of each path, the Company will establish an order from the least cost to the highest cost path. To establish a least cost dispatch, the Company will match the index price order with the available assets for each month. This process will be performed more frequently if changes occur to the portfolio (*e.g.*, new pipeline services are added to the portfolio) or changes occur in the wholesale market that would impact the least cost dispatch. The Company will notify the Division of

---

the least cost dispatch order prior to the start of the year and inform it of any changes during the year.

- B. An index price formula will not be used in non-standard transactions. Examples of non-standard transactions are intraday purchases, non-ratable weekend purchases, fixed price, fixed basis transactions at a location that does not have a published index, or other Additional Company Assets described below in section VI. For non-standard transactions, the actual purchase price, plus variable costs to deliver, will be charged to the Rhode Island customers.
- C. The Index Pricing formula uses Platts “Inside FERC’s Gas Market Report, Prices of Spot Gas Delivered to Pipelines”, for baseload gas purchases for any month (FOM). The Index Pricing formula uses Platts “Gas Daily, Daily price survey”, Midpoint prices for gas purchased for next day or ratable deliveries over the weekend (Gas Daily).

## VI. Baseload and Daily Nominations

- A. Baseload Nominations - Each month, at least six business days prior to the start of the month of flow, the Company will nominate a separate baseload volume for deliveries at the Tennessee Gas Pipeline citygates and the Algonquin Gas Transmission citygates as under the current practice. This volume will be priced to the Rhode Island customers based on the least cost dispatch as described above in Section IV.
- B. Daily Nominations – Each day, prior to 8:30AM EST, the Company will nominate a separate, incremental daily volume for deliveries at the Tennessee Gas Pipeline (TGP) citygates and the Algonquin Gas Transmission (AGT) citygates as under the current practice. To fill this incremental daily need, the Company will dispatch supply from any or any combination of the available sources below:
  - a. Transportation capacity – The Company nominates volumes from the remaining transportation capacity at each pipeline citygate. This volume is priced to the Rhode Island customers based on the next available asset path under a least cost dispatch as described in Section IV.
  - b. Storage – The Company may nominate supply from each storage facility as is the current practice subject to contractual limitations. Intraday injections or withdrawals will be subjected to the remaining capabilities of each storage facility and may be affected by certain pipeline and/or storage facility restrictions;

- c. Citygate purchases – At times, the Company may nominate volumes to be purchased at its citygates. This volume will be priced to the Rhode Island customers based on the actual purchase price and will be a direct pass through; and
- d. Additional Company Assets – The Company may nominate volumes from any other available asset at its disposal. These include, but are not limited to peaking supplies or any liquid/vapor such as the FLS and FCS contracts with Distrigas. This volume will be priced to the Rhode Island customers based on the actual contract price or inventory cost plus variable delivery costs.

C. Storage Injections

- a. During the months of April through and including October, Storage injection quantities will be calculated as 95% of the total storage Maximum Storage Quantity (MSQ), less the ending inventory on March 31. As is the practice today, this quantity will be deemed to be injected ratably over the seven month period. Any Rhode Island customer withdrawals in April will be deemed to be injected ratably over the next six months, May through October period; and
- b. The price of the April through October injections is set in accordance with the Index Pricing formula using the FOM index pricing for each of the seven injection months.

VII. The Company as Gas Portfolio Manager

A. Optimizing the Gas Portfolio

As asset manager, the Company will dedicate the resources to recognize and realize arbitrage and optimization opportunities by structuring a combination of transactions using the portfolio of assets and its flexibility to take advantage of opportunities that arise in the marketplace to reduce gas costs. Optimization of the assets will be performed as a secondary process after the Company has met the load requirements of the Rhode Island customers through the least cost dispatch of all required assets.

B. Typical optimization strategies are:

- a. Transportation capacity – the Company will lock-in the price difference between two locations with the use of temporarily idle transportation capacity;

- b. Citygate exchanges – the Company will use its citygate receipt flexibility to capture price differences between the two delivering upstream pipelines, Tennessee Gas Pipeline and Algonquin Gas Transmission;
- c. Storage – The Company will use the temporarily idle capacity, injections or withdrawal rights to capture the price difference between two time periods; and
- d. Purchase Replacement - The Company will look to resource purchase obligations to effectuate a lower delivered price.

### VIII. Reporting Requirements

- A. Quarterly reports – The Company will provide quarterly reports showing the realized and unrealized margins associated with the portfolio optimization value. Reports will be provided on the first business day after the 25<sup>th</sup> of the month following the end of each fiscal quarter.
- B. Annual Report – The Company will provide an annual report showing the total realized and unrealized margins generated through portfolio optimization in addition to the distribution of the sharing between the Rhode Island customers and National Grid. This report will be provided on the first business day following June 1 of each year.



**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4647  
2016 GAS COST RECOVERY FILING  
WITNESS: STEPHEN A. MCCAULEY  
ATTACHMENTS**

---

Attachment SAM-5

NGPMP Plan  
Effective April 1, 2016

---

**National Grid  
Natural Gas Portfolio Management Plan**

Effective April 1, 2016

I. **Objectives**

To encourage the Company to minimize gas costs to customers by coupling a least-cost dispatch with an asset optimization program designed to obtain the maximum value from the gas supply portfolio resources.

II. **Structure of the Incentive Plan (Plan)**

- A. This Plan will become effective April 1, 2016. It will be reviewed with each Gas Cost Recovery (GCR) filing. The Company will file its Report on the Plan on June 1<sup>st</sup> each year showing the results of the Plan for the prior year, April 1 to March 31.
- B. Under this Plan, the Company will discontinue contracting with an asset manager as a full outsource supplier and will undertake the functions previously performed by the asset manager using Company resources.
- C. To measure the Company's performance under the Plan and the benefits to customers, the Company will operate under the Plan in a way that parallels previous asset management contracts with outsource suppliers (*e.g.*, Merrill Lynch, ConocoPhillips).
- D. The starting point for the measurement of the optimization benefits will be based on a least cost dispatch order of the available resources in the supply portfolio coupled with a one-seventh ratable storage refill plan. The Company will receive a sharing of the benefits under this incentive plan to the extent it reduces costs below the level obtainable through purchasing under the least cost purchase dispatch order and ratable storage fill plan.
- E. This Plan will not be affected by or interact with the Gas Purchase Incentive Plan (GPIP) in any way. Because GPIP utilizes the purchase of future contracts for hedging, the GPIP does not affect the direct purchasing of supplies or the use of storage in any way, making the two plans entirely independent. The Company will operate under the Plan in a way that parallels the current practice; therefore the effectiveness of the GPIP will not be affected in any way.

---

### III. Revenue Sharing

#### A. Rhode Island Customer Threshold

The Rhode Island customers will receive 100% of the first \$2,000,000 of annual gas cost optimization benefits. If the total annual gas cost optimization benefits do not exceed \$2,000,000 then the Rhode Island customers will only receive 100% of the actual total benefit.

#### B. Sharing of Net Proceeds between \$2,000,000 and \$5,000,000

Rhode Island customers will receive 80% of all net proceeds between \$2,000,000 and \$5,000,000 and the Company will receive 20% of the net proceeds between \$2,000,000 and \$5,000,000.

#### C. Sharing of Net Proceeds between \$5,000,000 and \$10,000,000

Rhode Island customers will receive 90% of all net proceeds between \$5,000,000 and \$10,000,000 and the Company will receive 10% of the net proceeds between \$5,000,000 and \$10,000,000.

#### D. Sharing of Net Proceeds above \$10,000,000

Rhode Island customers will receive 94% of all net proceeds above the \$10,000,000 and the Company will receive 6% of the net proceeds above \$10,000,000.

#### E. Calculation of Optimization Benefits

The optimization benefit will be calculated annually for the optimization activity executed during the year. The optimization benefit for revenue sharing will be calculated as the positive value of; the revenue from sales to the Rhode Island customers at the citygate and storage facilities, plus the revenue from sales to third parties, less the costs to procure all supplies as well as all variable costs associated with the purchase, delivery and storage.

---

### IV. Description of the Least Cost Dispatch Order

#### A. The least cost dispatch order, by which natural gas will be priced for Rhode Island customers for baseload and daily nominations will be based on published index prices. An index price is a published price for gas supply at a particular location, in this case, the point of receipt for the Company's pipeline capacity where it

purchases supply to transport on its pipeline transportation capacity. Each year, the Company will analyze the historic and forward reference index price for each receipt point and each asset path's delivered price to the citygate. Based on these historical and forward index prices and the delivered cost of each path, the Company will establish an order from the least cost to the highest cost path. To establish a least cost dispatch, the Company will match the index price order with the available assets for each month. This process will be performed more frequently if changes occur to the portfolio (*e.g.*, new pipeline services are added to the portfolio) or changes occur in the wholesale market that would impact the least cost dispatch. The Company will notify the Division of the least cost dispatch order prior to the start of the year and inform it of any changes during the year.

- B. An index price formula will not be used in non-standard transactions. Examples of non-standard transactions are intraday purchases, non-ratable weekend purchases, fixed price, fixed basis transactions at a location that does not have a published index, or other Additional Company Assets described below in section VI. For non-standard transactions, the actual purchase price, plus variable costs to deliver, will be charged to the Rhode Island customers.
- C. The Index Pricing formula uses Platts "Inside FERC's Gas Market Report, Prices of Spot Gas Delivered to Pipelines", for baseload gas purchases for any month (FOM). The Index Pricing formula uses Platts "Gas Daily, Daily price survey", Midpoint prices for gas purchased for next day or ratable deliveries over the weekend (Gas Daily).

## V. Baseload and Daily Nominations

- A. Baseload Nominations - Each month, at least six business days prior to the start of the month of flow, the Company will nominate a separate baseload volume for deliveries at the Tennessee Gas Pipeline citygates and the Algonquin Gas Transmission citygates as under the current practice. This volume will be priced to the Rhode Island customers based on the least cost dispatch as described above in Section IV.
- B. Daily Nominations – Each day, prior to 8:30AM EST, the Company will nominate a separate, incremental daily volume for deliveries at the Tennessee Gas Pipeline (TGP) citygates and the Algonquin Gas Transmission (AGT) citygates as under the current practice. To fill this incremental daily need, the Company will dispatch supply from any or any combination of the available sources below:

- 
- a. Transportation capacity – The Company nominates volumes from the remaining transportation capacity at each pipeline citygate. This volume is priced to the Rhode Island customers based on the next available asset path under a least cost dispatch as described in Section IV.
  - b. Storage – The Company may nominate supply from each storage facility subject to contractual limitations. Intraday injections or withdrawals will be subjected to the remaining capabilities of each storage facility and may be affected by certain pipeline and/or storage facility restrictions;
  - c. Citygate purchases – At times, the Company may nominate volumes to be purchased at its citygates. This volume will be priced to the Rhode Island customers based on the actual purchase price and will be a direct pass through; and
  - d. Additional Company Assets – The Company may nominate volumes from any other available asset at its disposal. These include, but are not limited to peaking supplies or any liquid/vapor contracts. This volume will be priced to the Rhode Island customers based on the actual contract price or inventory cost plus variable delivery costs.

C. Storage Injections

- a. During the months of April through and including October, Storage injection quantities will be calculated as 95% of the total storage Maximum Storage Quantity (MSQ), less the ending inventory on March 31. As is the practice today, this quantity will be deemed to be injected ratably over the seven month period. Any Rhode Island customer withdrawals in April will be deemed to be injected ratably over the next six months, May through October period; and
- b. The price of the April through October injections is set in accordance with the Index Pricing formula using the FOM index pricing for each of the seven injection months.

VI. The Company as Gas Portfolio Manager

A. Optimizing the Gas Portfolio

As asset manager, the Company will dedicate the resources to recognize and realize arbitrage and optimization opportunities by structuring a combination of transactions using the portfolio of assets and its flexibility to take advantage of

opportunities that arise in the marketplace to reduce gas costs. Optimization of the assets will be performed as a secondary process after the Company has met the load requirements of the Rhode Island customers through the least cost dispatch of all required assets.

B. Typical optimization strategies are:

- a. Transportation capacity – the Company will lock-in the price difference between two locations with the use of temporarily idle transportation capacity;
- b. Citygate exchanges – the Company will use its citygate receipt flexibility to capture price differences between the two delivering upstream pipelines, Tennessee Gas Pipeline and Algonquin Gas Transmission;
- c. Storage – The Company will use the temporarily idle capacity, injections or withdrawal rights to capture the price difference between two time periods; and
- d. Purchase Replacement – The Company will look to resource purchase obligations to effectuate a lower delivered price.

VII. Reporting Requirements

- A. Quarterly reports – The Company will provide quarterly reports showing the realized and unrealized margins associated with the portfolio optimization value. Reports will be provided on the first business day in the second month following the end of each fiscal quarter.
- B. Annual Report – The Company will provide an annual report showing the total realized and unrealized margins generated through portfolio optimization in addition to the distribution of the sharing between the Rhode Island customers and National Grid. This report will be provided on the first business day following June 1 of each year.