

October 14, 2010

#### VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE:** Docket 4199 - 2010 Gas Charge Recovery Filing

**Rebuttal Testimony** 

Dear Ms Massaro:

Enclosed please find ten (10) copies of the pre-filed rebuttal testimony and schedules of Elizabeth D. Arangio and John F. Nestor, III, in support of National Grid's<sup>1</sup> Annual Gas Cost Recovery ("GCR") filing.

With the revisions to the proposed GCR rate that are incorporated in the rebuttal testimony, the overall impact of the proposed GCR rate on the annual bill of an average residential heating customer utilizing 922 therms is now a reduction of \$157.68 which when considered with the proposed DAC rate represents an overall bill reduction of 9.3%.

This filing also contains a Motion for Protective Treatment in accordance with Rule 1.2(g) of the Commission's Rules of Practice and Procedure and R.I.G.L. § 38-2-2(4)(B). The Company seeks protection from public disclosure of certain pricing terms contained in its FCS contract with Distrigas as well as forecast basis numbers, which are purchased subject to a contractual confidentiality agreement. Accordingly, National Grid requests that the Commission protect the price terms and basis information set forth in designated portions of Attachments EDA-2 and EDA-4. To that end, the Company has provided the Commission with the confidential materials for its review, and has included redacted copies of these attachments in the filing.

Thank you for your attention to this filing. If you have any questions, please do not hesitate to contact me at (401) 784-7667.

Sincerely,

Thomas R. Teehan

Enclosures

cc: Leo Wold, Esq.

Steve Scialabba Bruce Oliver

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

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

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Annual Gas Cost Recovery Filing 2010 Docket No. 4199

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

National Grid<sup>1</sup> hereby requests that the Rhode Island Public Utilities Commission ("Commission") 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)(i)(B). National Grid also hereby requests that, pending entry of that finding, the Commission preliminarily grant National Grid's request for confidential treatment pursuant to Rule 1.2 (g)(2).

#### I. BACKGROUND

On October 14, 2010, National Grid filed with the Commission its Annual Gas Cost Recovery filing in this docket. This filing included information relative to the Company's Distrigas contract (Attachment EDA-2) and relative to forecasted basis numbers (Attachment EDA-4) for which National Grid is requesting confidential treatment.

#### 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)(i)(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

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

released to the public by the person from whom it was obtained. <u>Providence Journal</u>, 774 A.2d at 47.

In addition, the Court has held that the agencies making determinations as to the disclosure of information under APRA may apply the balancing test established in <u>Providence Journal v. Kane</u>, 577 A.2d 661 (R.I.1990). Under that balancing test, the Commission may protect information from public disclosure if the benefit of such protection outweighs the public interest inherent in disclosure of information pending before regulatory agencies.

#### II. BASIS FOR CONFIDENTIALITY

The Company has redacted forecasts of basis numbers that appear at portions of Attachment EDA-2, and Attachment EDA-4. The Company seeks protective treatment for information relative to its Distrigas contract and for its basis number information which provides price forecasts at specific points where gas is purchased. This information is assembled by a third-party and purchased by the Company subject to contractual agreement to maintain it as proprietary and confidential information.

#### III. CONCLUSION

Accordingly, the Company requests that the Commission grant protective treatment to those previously identified portions of its GCR filing.

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

Respectfully submitted,

#### **NATIONAL GRID**

By its attorney,

Thomas R. Teehan, Esq. (RI Bar #4698)

H Tucken

National Grid 280 Melrose Street

Providence, RI 02907

(401) 784-7667

Dated: October 14, 2010

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

**NATIONAL GRID** 

DOCKET No. 4199

REBUTTAL TESTIMONY

OF

ELIZABETH D. ARANGIO

October 14, 2010

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#### I. INTRODUCTION

- 2 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 3 R. My name is Elizabeth Danehy Arangio. My business address is 40 Sylvan Road,
- 4 Waltham, Massachusetts 02451.

#### 6 Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS DOCKET?

- 7 A. Yes. I previously submitted pre-filed Direct Testimony in this docket on September 1,
- 8 2010.

#### 10 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

- 11 A. The purpose of this rebuttal testimony is to address specific Gas Cost Recovery ("GCR") issues
- raised in the October 7, 2010 Direct Testimony of Bruce R. Oliver on behalf of the Division of
- Public Utilities and Carriers. ("Division") In particular, my testimony will address two of Mr.
- 14 Oliver's recommendations:
- 15 "if forward looking cost estimates are to be used in the pricing of capacity
- 16 released to marketers, then this Commission should mandate the adoption of a

mechanism for reconciling forecasted costs used in the development of capacity prices with the actual costs that National Grid incurs", and,

"given the dramatic nature of the Company's forecasted declines in both normal winter and design winter throughput as well as the operational changes that will result from the start-up of service from the Algonquin East to West Project, the Commission should accelerate the timing of the Company's next required long range gas supply planning study and specifically require the Company to address the implications of changes in its Normal Weather and Design Winter throughput forecasts on (1) its near-term and long-term gas supply planning and (2) the expected availability of capacity resources for release or use in the production of asset management credits." (Oliver direct at 42)

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#### Q. ARE YOU SPONSORING ANY ATTACHMENTS TO YOUR TESTIMONY?

- **A.** Yes. The Company is providing an update to the following schedules:
  - EDA-1 REVISED which reflects the elimination of the estimated demand charge of \$1,971,000 previously included in the Total Fixed Cost calculation (identified as the Distrigas FLS Call Payment);

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•	EDA-2 REVISED which reflects the elimination of the inclusion of the above
	discussed charge twice, as well as the adjustment of \$1,000,000 to increase the
	NGPMP credit to \$3,400,000; and

EDA-4 REVISED which reflects updates as a result of changes made to EDA-2
 REVISED above.

#### 6 II. COST OF CAPACITY RELEASED TO MARKETERS

Q. PLEASE EXPLAIN THE COMPANY'S RATIONALE FOR USING FORWARD PRICING, AS OPPOSED TO HISTORICAL PRICING, IN THE CALCUATION OF THE COST OF CAPACITY RELEASED TO MARKETERS.

The Company believes it is more appropriate to utilize a twelve-month forward strip, as opposed to a three-year average to calculate the Company's weighted average cost of capacity released to marketers because: (1) it is consistent with the calculations used to set the gas cost adjustment factor for the same twelve-month period; (2) it provides a more accurate price signal for market pricing in the upcoming twelve-month period and (3) at this time, the two calculations yield similar results. I address each and provide the rationale for the Company's position separately below.

1	1	<u>The methodology is consistent with the calculations used to set the gas</u>
2	<u>c</u>	cost adjustment factor for the same twelve-month period.
3	-	The Company uses the forward strip in order to calculate the gas cost
4		adjustment factor for the upcoming twelve-month period. Utilizing the
5		same pricing to calculate all costs for the same period provides
6		consistency in the pricing.
7	2.	The methodology provides a more accurate price signal for market pricing
8	<u>i</u>	n the upcoming twelve-month period.
9	-	Using the forward market price as opposed to a historical three-year
10		average provides a forecast that is consistent with market expectations
11		for the period and avoids anomalies that can be inherent in historical
12		averages due to weather that deviates significantly from normal, large
13		swings in commodity pricing and hurricane activity.
14	3.	<u> The two calculations yield similar results.</u>
15	-	As shown in the Company's response to Division Data Request 1-1 in
16		this proceeding, utilizing a twelve-month forward strip or a three-year
17		historical average resulted in very little difference. The results are
18		summarized in the table below:
19		

	Company Weighted Average Cost/dth
As of 7/1/10	
12 Month Forward Pricing:	\$0.974
Historical 3 Year Average	
Pricing:	<u>\$0.990</u>
Difference:	-\$0.016

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2 Q. MR OLIVER IS RECOMMENDING, IN ACCORDANCE WITH DIRECT ENERGY'S TESTIMONY FILED BY MS. REBECCA BACHELDER IN THE 3 COMPANY'S GCR FILING LAST YEAR (DOCKET NO. 4097), THAT IF THE 4 5 COMPANY USES FORWARD LOOKING PRICES IN ITS CALCULATION FOR 6 THE COST OF CAPACITY RELEASED TO MARKETERS, THEN THERE 7 SHOULD ALSO BE A TRUE-UP PROCESS TO ACTUAL COSTS. DO YOU 8 AGREE WITH THIS RECOMMENDATION? 9 No. Whether a three-year historical price or a twelve-month future price is used to Α. 10 calculate the cost of capacity released to marketers, it serves the same purpose, which is to provide the most appropriate estimate of expected costs for the upcoming twelve-11 12 month period. Both Mr. Oliver and Ms. Bachelder cite the potential of cross-13 subsidization between transportation service customers and sales services customers. 14 There is no greater potential for cross-subsidization using forward pricing than there is 15 using historical pricing. In addition, it is the Company's understanding that marketers 16 prefer 'known' costs associated with customer choice programs. The introduction of an

after-the-fact true-up cost may be problematic for marketers as it introduces an element

1 of price uncertainty that would be impossible for them to calculate if it were based on 2 costs actually incurred by the Company. It is likely that customers would tend to pay 3 more for their gas supply as marketers introduce a premium to cover the potential risk of 4 having to pay in the event the reconciliation results in an additional surcharge. 5 6 III. GAS SUPPLY PORTFOLIO 7 8 Q. PLEASE PROVIDE A CLARIFICATION OF THE COMPANY'S PROJECTED 9 PEAK DAY GAS SUPPLY REQUIREMENTS? 10 11 A. In its response to Division Data Request DIV 2-10 in this proceeding, the Company 12 provided a forecasted peak day requirement of 289,700 Dth, which represents the requirement for firm sales customers only. Correspondingly, the available capacity on a 13 14 peak day for firm sales customers only is 337,603 Dth. 15 For the winter of 2010/11, based on the same forecast used for the instant GCR filing, the 16 17 Company's projected peak day requirement for all customers using utility capacity 18 (including both firm sales and firm transportation customers) totals 336,636 Dth. 19 Correspondingly, the available capacity for the peak day this winter season totals 366,543 20 This peak day requirements forecast remains in line with the Company's 21 previously-filed forecasts of the peak day requirements. In the Company's Long-Range

Gas Supply Plan filed on August 22, 2006 (Docket No. 3789), the projected peak day for all customers utilizing utility capacity (including *both firm sales and firm transportation customers*) for January 2011 totaled 349,367 Dth. In the Company's updated Long-Range Gas Supply Plan filed on October 26, 2007, the projected peak day for January 2011 (including *both firm sales and firm transportation customers*) totaled 334,090 Dth.

#### Q. DO YOU AGREE WITH MR. OLIVER'S RECOMMENDATION TO

#### ACCELERATE THE TIMING OF THE COMPANY'S NEXT REQUIRED LONG-

#### RANGE GAS SUPPLY PLAN?

A. Yes. As Mr. Oliver points out, given the changes in both the Company's forecasted throughput and the resource portfolio used to serve customers, it is an appropriate time for the Company to submit a new plan. The Company would suggest that it file a plan in 2011 with a date agreeable to all parties. Although the Company filed an updated load forecast that provides the basis for the supply forecast, and submitted all of the workpapers supporting the load forecast in response to Division Data Request 1-13 in this proceeding, there was not sufficient time to fully review the forecast, as Mr. Oliver acknowledges. A Long-Range Gas Supply Plan filing would provide an opportunity to review the forecast methodology and assumptions, as well as the gas supply portfolio.

#### Q. DOES THIS CONCLUDE YOUR TESTIMONY?

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1 **A**. Yes, it does.

#### SUMMARY OF ESTIMATED GAS COSTS FOR 2010-2011 GCR Estimate

08/04/2010 NYMEX													
Variable Costs													GCR
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	TOTAL
Total Pipeline Supply Costs	\$16,534,812	\$22,001,510	\$23,997,111	\$21,011,154	\$22,138,394	\$11,991,550	\$6,288,102	\$4,454,977	\$4,226,018	\$3,841,741	\$4,054,023	\$7,276,807	\$147,816,198
Total Storage Product Costs	\$0	\$4,396,327	\$8,703,454	\$6,729,191	\$1,173,912	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,002,885
Total Storage Delivery Costs	\$0	\$150,155	\$298,646	\$234,688	\$32,156	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$715,645
Total LNG Costs	\$126,411	\$688,360	\$130,829	\$118,081	\$130,829	\$126,132	\$133,345	\$130,635	\$136,205	\$136,626	\$132,136	\$137,472	\$2,127,061
Total All Variable Gas Costs	\$16,661,223	\$27,236,353	\$33,130,039	\$28,093,115	\$23,475,291	\$12,117,683	\$6,421,447	\$4,585,611	\$4,362,223	\$3,978,367	\$4,186,159	\$7,414,279	\$171,661,789
Fixed Costs													
TOTAL PIPELINE DEMANDS	\$2,747,993	\$2,749,395	\$2,748,152	\$2,743,948	\$2,748,152	\$2,746,751	\$2,748,152	\$2,746,751	\$2,748,152	\$2,748,152	\$2,746,751	\$2,748,152	\$32,970,500
TOTAL SUPPLIER DEMANDS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL STORAGE FACILITIES	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$4,725,995
TOTAL STORAGE DELIVERY	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$4,757,444
Total All Fixed Costs	\$3,538,280	\$3,539,681	\$3,538,439	\$3,534,234	\$3,538,439	\$3,537,037	\$3,538,439	\$3,537,037	\$3,538,439	\$3,538,439	\$3,537,037	\$3,538,439	\$42,453,940
Capacity Release Credits	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$5,442,749
NGPMP Credit	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$3,400,000
Net Fixed Costs	\$2,801,384	\$2,802,786	\$2,801,543	\$2,797,338	\$2,801,543	\$2,800,141	\$2,801,543	\$2,800,141	\$2,801,543	\$2,801,543	\$2,800,141	\$2,801,543	\$33,611,190
Total All Gas Costs	\$19,462,607	\$30,039,139	\$35,931,582	\$30,890,453	\$26,276,834	\$14,917,824	\$9,222,990	\$7,385,753	\$7,163,766	\$6,779,910	\$6,986,301	\$10,215,822	\$205,272,980

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National Grid Rhode Island - Gas

> National Grid 2010 Estimated GCR Normal Weather Scenario

#### Ventyx SENDOUT® Version 12.5.5 30-Aug-2010 06:42:41

Natural Gas Supply VS. Requirements Units: MDT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT Total/Average 2010 2010 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 Forecast Demand RI Sales GCR 2,421,900 3,845,700 4,610,300 3,931,200 3,481,200 1,990,000 998,400 735,000 697,000 620,700 646,300 1,127,200 25,104,900 Total Demand 25,104,900 2,421,900 3,845,700 4,610,300 3.931.200 3.481.200 1.990.000 998.400 735,000 697,000 620,700 646,300 1,127,200 Storage Injections TENN 501 0 0 0 0 0 119,300 123,300 119,300 123,300 120,300 0 0 605,500 24.500 GSS 300170 0 Ω n Ω Ω 24 500 Ω Ω Ω 0 Ω Ω GSS 300168 0 0 0 0 25.000 25.900 25.000 25.900 25.900 0 0 127,700 0 GSS 300171 16,200 0 0 15,700 16,200 15,700 16,200 16,200 15,700 111.900 0 0 0 GSSTE 600045 0 223,500 231,000 223,500 678,000 n 0 0 0 0 TETCO 400515 8.900 8.900 8.600 0 0 0 0 0 8,600 8.900 8.600 0 52.500 TETCO\_400221 0 180,900 186,900 180,900 186,900 186,900 161,300 0 1,083,800 0 0 0 TETCO 400185 0 0 7.900 8,200 7.900 8,200 3.000 0 35,200 0 0 0 GSS 300169 0 Ω 33,500 34,600 33,500 34,600 21,600 0 0 157,800 0 COL FSS 9630 0 0 0 0 0 60.100 78.800 65.100 0 0 0 0 204.000 42,800 41,700 TENN\_62918 0 0 0 0 0 41,400 42,800 41,400 0 0 210.100 Total Underground Storage 0 0 0 740,400 756.600 720.900 446.800 424.500 185.600 16.200 3.291.000 0 LNG PROV 10,900 0 0 Ω 0 66,900 70,100 10,900 11,300 11,300 10,900 11,300 203,600 LNG VALLEY 3,000 0 0 0 0 0 17,300 16,300 3,100 3,100 3,000 3,100 48,900 LNG EXETER 23,100 4,900 0 0 0 5,600 6,100 5,100 5,100 4,900 5,100 59,900 0 Total LNG Injection 18,800 0 0 0 0 90,000 93,000 33,300 19,500 19,500 18,800 19,500 312,400 Total Injections ٥ 18.800 0 Ω n 830,400 849.600 754,200 466,300 444.000 204,400 35.700 3,603,400 Delivered Firm Sales Supply NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT GCR Total Sources of Supply TENN CONX 348,000 359,600 359,600 324,800 359,600 348,000 359,600 348,000 359,600 359,600 348,000 359,600 4,234,000 TENN ZONE 0 81.183 187.459 171.829 172.645 185.730 75.538 41.146 38.438 32.141 1.043.049 56 939 Ω 0 TENN ZONE 1 167,617 387,041 354,771 356,455 383,470 155,962 117,561 84,954 79,362 66,359 0 0 2,153,551 TENN NIAGARA 3 200 3 400 1 100 21,800 29 500 Ω Ω Ω Ω Λ 0 Ω n TENN\_DRACUT Ω 45,000 120,400 60,100 0 425.900 2.300 0 0 75,000 62,400 4.300 795,400 COL MAUMEE 689,325 883,650 883,650 798,075 883,650 662,250 482,250 180,000 250,950 0 11,700 443,025 6,168,525 COL BROADRUN 229,775 294.550 294,550 266,025 294.550 220,750 160,750 60,000 83,650 0 3,900 147,675 2.056.175 TRANSCO Z2 3,915 4,013 4,013 3,621 4,013 2,740 1,468 0 4,013 0 0 0 27,796 TRANSCO Z3 85 87 87 79 87 60 32 0 87 0 Ω n 604 TETCO ELA 179,249 269,427 273,583 327,270 293,067 271,981 185,236 179,249 97,155 90,254 70,769 6,177 2,243,417 27,038 TETCO\_ETX 80,713 81,958 98.041 87.795 81.478 53.698 55.492 53.698 29.105 21.201 1.850 672.068 TETCO STX 120,301 122,157 146,128 130,857 121,442 80,036 82,709 80,036 43,380 40,299 31,599 2,758 1,001,701 TETCO WLA 185.163 188.019 224,916 201.410 186,919 123,189 127,303 123.189 66.770 62,027 48.636 4.245 1.541.784 TETCO to B&W - SCT 29.958 30.421 36.390 32.587 30.243 19.931 20.597 19.931 10.803 10.036 7.869 687 249.453 TETCO - NF - TRANSCO 13,202 13,406 16,037 14,361 13,327 9,077 8.783 4.761 4,423 3,468 303 109,931 8.783 TETCO - DTI - TETCO 7,836 7.957 9.518 8.523 7.910 5,213 5,387 5,213 2,826 2,625 2.058 180 65.245 M3 DELIVERED 146,600 119,900 12.900 4.800 419,300 50.100 0 0 0 0 0 753,600 0 HUBLINE 0 72,600 271,000 184,700 200 270,200 37,700 222,800 22,200 225,000 171,400 122,000 1,599,800 COL EAGLE 10,237 2,125 0 290 12.652 0 0 0 0 0 0 0 0 COL\_DOWNINGTOWN 10,963 2,275 310 13,548 0 0 Λ ANE II - AECO-TENN - CONOCO P 30.000 30.900 30.900 28.000 30.900 30.000 30.900 30.000 30.900 30.900 30.000 30.900 364,300 DISTRI FLS Winter 18,900 0 0 0 0 0 0 0 0 0 0 0 18,900 DISTRI FLS Summer 0 0 0 0 0 90.000 93.000 33.400 19.500 19.500 18.900 19.500 293.800 DIST FCS VAP 0 0 0 0 0 0 0 0 0 0 0 0 DIST FCS LIQ 0 0 0 0 0 0 0 0 0 0 0 0 NEWPORT\_LNG 0 0 0 0 0 0 0 0 0 0 0 0 SPOT LNG 0 Ω 0 0

> National Grid 2010 Estimated GCR Normal Weather Scenario

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Natural Gas Supply VS. Requirements Units: MDT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT Total/Average Non LNG Liquid take 2,403,100 1,437,000 1,124,000 1,025,700 1,123,700 3,369,800 2,969,600 3,296,600 2,711,600 1,735,300 813,000 25,136,100 3,126,700 LNG Liquid take 93,000 33,400 19,500 18,900 19,500 312,700 18,900 0 0 0 0 90,000 19,500 Total take 2,422,000 3,126,700 3,369,800 2,969,600 3,296,600 1,828,300 1,470,400 1,143,500 1,045,200 831,900 1,143,200 25,448,800 2,801,600 Storage Withdrawals 141,700 171,000 562,600 **TENN 501** 0 240,800 9,100 0 Ω Ω Ω 0 0 Ω GSS 300170 0 0 0 0 0 0 0 0 0 0 0 0 0 GSS 300168 18,200 42,500 38.400 18,300 117.400 0 0 0 0 0 0 0 0 GSS 300171 0 0 71,100 28,600 0 0 0 0 99,700 GSSTE 600045 0 141,500 149.600 134,400 0 591,200 165,700 0 0 0 0 0 TETCO\_400515 0 2,400 24,800 19,500 0 0 0 0 0 0 46,700 TETCO 400221 224,100 404,200 974.400 0 346,100 0 0 0 0 0 0 TETCO 400185 0 0 17,700 13,300 0 0 0 0 0 31,000 GSS 300169 0 35,700 55.400 50.000 0 0 0 0 0 0 0 0 141.100 **COL FSS 9630** 0 43,400 76,200 67,100 400 0 0 0 0 0 0 187,100 TENN 62918 122,600 0 9.700 60.200 2.700 0 0 0 195,200 0 0 LNG PROV 10,900 82,000 11,300 10,200 11,300 10,900 11,300 10,900 11,300 11,300 10,900 11,300 203,600 LNG VALLEY 3,000 15,500 3,100 2,800 3,100 3,000 3,100 3,000 3,100 3,100 3,000 3,100 48,900 59,900 LNG EXETER 4,900 5,100 5,100 4,600 5,100 4,900 5,100 4,900 5,100 5,100 4,900 5,100 Total Withdrawal Delivered 18,800 719,300 1,240,500 961,400 184,400 18,800 19,500 18,800 19,500 19,500 18,800 19,500 3,258,800 Total Storage withdrawal 0 616,700 1,221,000 943,800 164,900 0 0 0 0 0 0 0 2,946,400 Total Peaking withdrawal 18,800 102,600 19,500 17,600 19,500 18,800 19,500 18,800 19,500 19,500 18,800 19,500 312,400 Total Supply 2,421,900 3,846,000 4,610,300 3,931,000 3,481,000 2,730,400 1,754,800 1,455,800 1,143,500 1,045,200 831,800 1,143,200 28,394,900 Storage withdrawals at Storage Facilty **TENN 501** 0 144,843 246,141 174,793 9,302 0 0 0 0 0 0 575,079 GSS 300170 0 0 Ω 0 0 0 Ω Ω Ω Ω Ω Ω Ω GSS 300168 0 18,604 43,443 39,252 18,706 0 0 0 0 0 0 120,004 GSS 300171 0 73.015 29.370 102.385 Ω Ω Ω Ω 0 Λ 0 Ω 0 138.314 GSSTE 600045 0 145,621 170,525 153,957 0 Ω 0 Λ 0 Ω 0 608,417 TETCO 400515 0 2,546 26,310 20,687 0 0 0 0 0 0 0 49,544 0 TETCO\_400221 234,458 422,883 1,019,439 0 362,098 0 0 Ω 0 0 0 0 0 TETCO 400185 0 18,518 13,915 32,433 0 0 0 0 0 0 0 0 GSS 300169 37,250 52,171 147,227 0 57.806 Ω Ω Ω Ω Ω 0 Ω 0 **COL FSS 9630** 0 43,994 77,243 68,018 405 0 0 0 0 189,660 0 0 0 TENN\_62918 125,319 199,530 0 9.915 61,535 2.760 0 0 0 0 0 0 0 0 3,043,718 637,231 1,261,203 975,796 169,487 0 0

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National Grid Rhode Island - Gas

> National Grid 2010 Estimated GCR Normal Weather Scenario

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SENDOUT® Version 12.5.5 06:42:4	
Natural Gas Supply VS. Requirements	Units: MDT

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Ave
08/04/2010 NYMEX	\$4.909	\$5.149	\$5.285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
TENNESSEE CONNEXION													
Basis usage to Zn 6	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
fuel to Zn 6 Total Delivered	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	
TENNESSEE ZN 0 Basis													
usage	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	
fuel Total Delivered	8.71%	8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	
TENNESSEE ZN 1 Basis													
usage to Zn 6	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	
fuel to Zn 6 Total Delivered	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	
TENNESSEE DRACUT													
Basis													
usage fuel	\$0.0661 0.89%	\$0.0661 0.89%	\$0.0661 0.89%	\$0.0661 0.89%	\$0.0661 0.89%	\$0.0661 0.85%							
Total Delivered	0.0378	0.0370	0.0370	0.0370	0.0376	0.0070	0.0070	0.0070	0.0370	0.0070	0.0370	0.0376	
TETCO ELA													
Basis	<b>A</b> 0.0700	#0.0 <b>700</b>	<b>#0.0700</b>	#0.0 <b>700</b>	00.0700	00.0700	00.0700	00.0700	00.0700	#0.0 <b>7</b> 00	#0.0 <b>700</b>	00.0700	
Usage to M3 Usage on AGT	\$0.0789 \$0.0131												
Fuel to M3	6.47%	7.29%	7.29%	7.29%	7.29%	6.47%	6.47%	6.47%	6.47%	6.47%	6.47%	6.47%	
Fuel on AGT Total Delivered	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
TETCO ETX Basis													
Usage to M3	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	
Usage on AGT	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	
Fuel to M3 Fuel on AGT	6.47% 0.84%	7.29% 1.35%	7.29% 1.35%	7.29% 1.35%	7.29% 1.35%	6.47% 0.84%							
Total Delivered	0.04%	1.33/0	1.33/0	1.33/0	1.33 //	0.04 /0	0.04/6	0.04 //	0.04 //	0.04 /0	0.04 /0	0.04%	
TETCO STX													
Basis					00.0046		00.0016	20.0016	20.0016	******		40.00	
Usage to M3 Usage on AGT	\$0.0843 \$0.0131												
Fuel to M3	7.46%	8.59%	8.59%	8.59%	8.59%	7.46%	7.46%	7.46%	7.46%	7.46%	7.46%	7.46%	
Fuel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Total Delivered													

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Total/Average

National Grid Rhode Island - Gas

> National Grid 2010 Estimated GCR Normal Weather Scenario

Fuel on AGT

Total Delivered

0.84%

1.35%

1.35%

1.35%

1.35%

0.84%

0.84%

0.84%

0.84%

0.84%

0.84%

0.84%

Ventyx SENDOUT® Version 12.5.5 30-Aug-2010 06:42:41

Natural Gas Supply VS. Requirements Units: MDT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT **TETCO WLA** Basis \$0.0805 Usage to M3 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0805 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 Usage on AGT Fuel to M3 6.78% 6.78% 7.69% 7.69% 7.69% 7.69% 6.78% 6.78% 6.78% 6.78% 6.78% 6.78% Fuel on AGT 0.84% 1.35% 1.35% 1.35% 1.35% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% Total Delivered TETCO -> NF -> TRANSCO Basis Usage to M2 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 \$0.4324 Usage on NF \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 \$0.0088 Usage on Transco \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 \$0.0079 Usage on AGT \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 \$0.2292 Fuel to M2 5.72% 6.33% 6.33% 6.33% 6.33% 5.72% 5.72% 5.72% 5.72% 5.72% 5.72% 5.72% Fuel on NF 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% 1.40% Fuel on Transco 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% 0.89% Fuel on AGT 0.84% 1.35% 1.35% 1.35% 1.35% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% Delivered to NF Delivered to Transco Delivered to Algonquin Total Delivered M3 DELIVERED Basis Usage on AGT \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 Fuel on AGT 0.84% 1.35% 1.35% 1.35% 1.35% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% Total Delivered COLUMBIA MAUMEE Basis Usage on Columbia \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 Usage on AGT \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 Fuel on Columbia 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% Fuel on AGT 0.84% 1.35% 1.35% 1.35% 1.35% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% 0.84% Total Delivered **COLUMBIA BROADRUN** Basis Usage on Columbia \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 \$0.0245 Usage on AGT \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 \$0.0131 Fuel on Columbia 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06% 2.06%

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National Grid Rhode Island - Gas

> National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS. I	Units: MDT											
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Ave
COLUMBIA EAGLE													
Basis													
Usage on Columbia	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	_
Usage on AGT	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	
Fuel on Columbia	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
Fuel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Total Delivered													l
COLUMBIA DOWNINGTO	wn												_
Basis													
Usage on Columbia	\$0.1979	\$0.2440	\$0.2467	\$0.2297	\$0.2438	\$0.1792	\$0.1422	\$0.1570	\$0.1530	\$0.1453	\$0.1265	\$0.1226	_
Jsage on AGT	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	
Fuel on Columbia	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
Fuel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Total Delivered													
TETCO -> DTI -> TETCO													
Basis													
Usage to M2	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	_
Jsage on Dominion	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	\$0.0251	
Jsage on Tetco	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
Jsage on AGT	\$0.2292	\$0,2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0,2292	\$0.2292	
uel to M2	5.72%	6.33%	6.33%	6.33%	6.33%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	
Fuel on Dominion	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%	
Fuel on Tetco	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	
Fuel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Delivered to Dominion													
Delivered to Tetco													
Delivered to Algonquin													
Total Delivered													
TRANSCO ZONE 2													
Basis													
Jsage on Transco	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	\$0.03696	
Jsage on Tetco	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
Jsage on AGT	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
Fuel on Transco	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	
Fuel on Tetco	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Fuel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
	3.0476	1.0070	1.0070	1.0070	1.0070	3.5 . 70	0.0.70	3.5 . 70	0.0 . 70	0.0 . 70	3.5 . 70	3.5470	I
Total Delivered		·										·	
TRANSCO ZONE 3													
TRANSCO ZONE 3 Basis	<b>©</b> 0.02422	\$0.02422	\$0.02422	\$0.02422	\$0.02422	\$0.02422	¢0 03433	¢0 03433	\$0.03433	¢0 03433	¢0 03433	¢0 02422	
TRANSCO ZONE 3 Basis Jsage on Transco	\$0.03433	\$0.03433	\$0.03433 \$0.0010	\$0.03433	\$0.03433 \$0.0010	\$0.03433 \$0.0010	\$0.03433	\$0.03433	\$0.03433	\$0.03433	\$0.03433	\$0.03433	
TRANSCO ZONE 3 Basis Jsage on Transco Jsage on Tetco	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
TRANSCO ZONE 3 Basis Jsage on Transco Jsage on Tetco Jsage on AGT	\$0.0019 \$0.0019												
TRANSCO ZONE 3 Basis Usage on Transco Usage on Tetco Usage on AGT Fuel on Transco	\$0.0019 \$0.0019 4.93%												
Total Delivered  TRANSCO ZONE 3  Basis  Usage on Transco  Usage on AGT  Fuel on Transco  Fuel on AGT	\$0.0019 \$0.0019												

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National Grid Rhode Island - Gas

> National Grid 2010 Estimated GCR Normal Weather Scenario

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Natural Gas Supply VS. Requirements

Units: MDT

	Natural Gas Supply VS. Requirements				Units: i	MDT								
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
AECO TO TENNESSEE - A	NE II													
Basis														
Transcanada usage	_	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	\$0.0848	•'
Transcanada pressure chg		\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	\$0.0174	
Fuel on TCPL		3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	3.550%	
Iroquois usage		\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	
NETNE usage		\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
Fuel on Iroquois		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Fuel Tenn NET18		1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
Total Delivered														
NIAGARA TO TENNESSEI	E													
Basis														
Tenn usage	_	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	\$0.0784	•'
Tenn Fuel		2.09%	2.09%	2.09%	2.09%	2.09%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	1.86%	
Total Delivered														
Tetco to B&W - SCT														
Basis														
usage on Tetco		\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	
usage on AGT		\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	
fuel to ZN 3		6.72%	7.62%	7.62%	7.62%	7.62%	6.72%	6.72%	6.72%	6.72%	6.72%	6.72%	6.72%	
Fuel on AGT	_	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	-
Total Delivered														
DISTRIGAS FCS														
Total Delivered														_
Hubline														
Basis														
usage	_	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	<u>-</u> '
fuel		0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	_
Total Delivered														

> National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS. Requirements Units: MDT												
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
Total delivered to the	City Gate Gas Supply	Costs											
TENN CONNEXION Delivered Mmbtu NYMEX \$/Mmbtu Del Total Delivered Cost	348,000 \$5.300 \$1,844,348	359,600 \$5.461 \$1,963,928	359,600 \$5.590 \$2,010,291	324,800 \$5.528 \$1,795,396	359,600 \$5.441 \$1,956,562	348,000 \$5.238 \$1,822,981	359,600 \$5.244 \$1,885,767	348,000 \$5.266 \$1,832,454	359,600 \$5.331 \$1,917,113	359,600 \$5.386 \$1,936,961	348,000 \$5.431 \$1,890,003	359,600 \$5.521 \$1,985,281	
Tennessee Zn 0 Delivered Mmbtu NYMEX \$/Mmbtu Del Total Delivered Cost	81,183 \$5.461 \$443,314	187,459 \$5.622 \$1,053,937	171,829 \$5.751 \$988,217	172,645 \$5.688 \$982,091	185,730 \$5.602 \$1,040,410	75,538 \$5.399 \$407,851	56,939 \$5.405 \$307,749	41,146 \$5.426 \$223,280	38,438 \$5.492 \$211,103	32,141 \$5.547 \$178,291	0 \$5.592 \$0	0 \$5.682 \$0	
TENN ZONE 1 Delivered Mmbtu \$/Mmbtu Del Total Delivered Cost	167,617 \$5.421 \$908,581	387,041 \$5.674 \$2,196,030	354,771 \$5.820 \$2,064,696	356,455 \$5.788 \$2,063,014	383,470 \$5.677 \$2,176,894	155,962 \$5.426 \$846,292	117,561 \$5.439 \$639,366	84,954 \$5.472 \$464,869	79,362 \$5.532 \$439,033	66,359 \$5.581 \$370,338	0 \$5.612 \$0	0 \$5.699 \$0	
TENN DRACUT Delivered Mmbtu \$/Mmbtu Del Total Delivered Cost	0 \$5.98 \$0	45,000 \$6.22 \$279,894	120,400 \$6.36 \$765,394	60,100 \$6.32 \$380,060	0 \$6.22 \$0	425,900 \$5.29 \$2,253,270	2,300 \$5.37 \$12,349	0 \$5.38 \$0	0 \$5.49 \$0	75,000 \$5.45 \$408,588	62,400 \$5.45 \$340,159	4,300 \$5.58 \$23,999	
TETCO ELA Delivered Mmbtu \$/Mmbtu Del Total Delivered Cost	269,427 \$5.3567 \$1,443,240	273,583 \$5.6891 \$1,556,431	327,270 \$5.8371 \$1,910,311	293,067 \$5.8037 \$1,700,861	271,981 \$5.6920 \$1,548,123	179,249 \$5.4291 \$973,154	185,236 \$5.4425 \$1,008,151	179,249 \$5.4781 \$981,948	97,155 \$5.5380 \$538,042	90,254 \$5.5871 \$504,259	70,769 \$5.6159 \$397,434	6,177 \$5.7037 \$35,232	
TETCO ETX Delivered Mmbtu NYMEX \$/Mmbtu Del Total Delivered Cost	80,713 \$5.1535 \$415,952	81,958 \$5.4686 \$448,199	98,041 \$5.6133 \$550,335	87,795 \$5.5931 \$491,044	81,478 \$5.4640 \$445,202	53,698 \$5.2063 \$279,569	55,492 \$5.2089 \$289,050	53,698 \$5.2238 \$280,507	29,105 \$5.2913 \$154,003	27,038 \$5.3487 \$144,617	21,201 \$5.3995 \$114,473	1,850 \$5.4913 \$10,162	
TETCO STX Delivered Mmbtu NYMEX \$/Mmbtu Del Total Delivered Cost	120,301 \$5.239 \$630,294	122,157 \$5.578 \$681,397	146,128 \$5.725 \$836,568	130,857 \$5.704 \$746,367	121,442 \$5.574 \$676,883	80,036 \$5.322 \$425,988	82,709 \$5.324 \$440,368	80,036 \$5.338 \$427,218	43,380 \$5.407 \$234,541	40,299 \$5.465 \$220,242	31,599 \$5.518 \$174,369	2,758 \$5.611 \$15,476	
TETCO WLA Delivered Mmbtu \$/Mmbtu Del Total Delivered Cost	185,163 \$5.3332 \$987,512	188,019 \$5.6741 \$1,066,838	224,916 \$5.8231 \$1,309,707	201,410 \$5.7881 \$1,165,775	186,919 \$5.6772 \$1,061,167	123,189 \$5.4050 \$665,839	127,303 \$5.4187 \$689,812	123,189 \$5.4545 \$671,930	66,770 \$5.5144 \$368,196	62,027 \$5.5637 \$345,100	48,636 \$5.5925 \$271,998	4,245 \$5.6806 \$24,115	

> National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS.	s Units: MDT											
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
TETCO -> NF -> TRANSCO Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	13,202 \$6.0362 \$79,691	13,406 \$6.3624 \$85,294	16,037 \$6.5124 \$104,437	14,361 \$6.4785 \$93,036	13,327 \$6.3654 \$84,835	8,783 \$6.1096 \$53,664	9,077 \$6.1233 \$55,580	8,783 \$6.1594 \$54,101	4,761 \$6.2202 \$29,613	4,423 \$6.2701 \$27,730	3,468 \$6.2993 \$21,845	303 \$6.3884 \$1,934	
M3 DELIVERED Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	146,600 \$5.3772 \$788,291	119,900 \$6.0326 \$723,304	12,900 \$6.4929 \$83,758	4,800 \$6.4213 \$30,822	419,300 \$5.7268 \$2,401,262	50,100 \$5.3735 \$269,214	0 \$5.3891 \$0	0 \$5.4651 \$0	0 \$5.5083 \$0	0 \$5.5360 \$0	0 \$5.5202 \$0	0 \$5.5908 \$0	
COLUMBIA MAUMEE Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	689,325 \$5.2213 \$3,599,197	883,650 \$5.5220 \$4,879,538	883,650 \$5.6670 \$5,007,674	798,075 \$5.6217 \$4,486,537	883,650 \$5.5299 \$4,886,489	662,250 \$5.2853 \$3,500,177	482,250 \$5.3082 \$2,559,900	180,000 \$5.3597 \$964,751	250,950 \$5.4113 \$1,357,970	0 \$5.4488 \$0	11,700 \$5.4591 \$63,871	443,025 \$5.5382 \$2,453,550	
COLUMBIA BROADRUN Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	229,775 \$5.2964 \$1,216,981	294,550 \$5.6198 \$1,655,323	294,550 \$5.7634 \$1,697,608	266,025 \$5.7116 \$1,519,440	294,550 \$5.6227 \$1,656,176	220,750 \$5.3523 \$1,181,523	160,750 \$5.3297 \$856,743	60,000 \$5.3830 \$322,980	83,650 \$5.4345 \$454,595	0 \$5.4719 \$0	3,900 \$5.4762 \$21,357	147,675 \$5.5545 \$820,268	
COLUMBIA EAGLE Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	0 \$5.5148 \$0	10,237 \$6.1841 \$63,310	2,125 \$6.6541 \$14,138	290 \$6.5811 \$1,907	0 \$5.8720 \$0	0 \$5.5111 \$0	0 \$5.5270 \$0	0 \$5.6046 \$0	0 \$5.6487 \$0	0 \$5.6770 \$0	0 \$5.6608 \$0	0 \$5.7329 \$0	
COLUMBIA DOWNINGTOV Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	VN 0 \$5.7253 \$0	10,963 \$6.4723 \$70,953	2,275 \$6.9702 \$15,859	310 \$6.8768 \$2,134	0 \$6.1359 \$0	0 \$5.6767 \$0	0 \$5.6551 \$0	0 \$5.7484 \$0	0 \$5.7883 \$0	0 \$5.8086 \$0	0 \$5.7727 \$0	0 \$5.8405 \$0	
TETCO -> DTI -> TETCO Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	7,836 \$6.1571 \$48,245	7,957 \$6.4896 \$51,635	9,518 \$6.6424 \$63,222	8,523 \$6.6079 \$56,321	7,910 \$6.4926 \$51,357	5,213 \$6.2319 \$32,488	5,387 \$6.2459 \$33,648	5,213 \$6.2827 \$32,752	2,826 \$6.3446 \$17,927	2,625 \$6.3955 \$16,787	2,058 \$6.4252 \$13,224	180 \$6.5160 \$1,171	
TRANSCO ZONE 2 Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	3,915 \$5.2099 \$20,396	4,013 \$5.4942 \$22,047	4,013 \$5.6400 \$22,632	3,621 \$5.6044 \$20,295	4,013 \$5.4974 \$22,060	2,740 \$5.3051 \$14,538	1,468 \$5.3213 \$7,812	0 \$5.3610 \$0	4,013 \$5.4184 \$21,743	0 \$5.4652 \$0	0 \$5.4894 \$0	0 \$5.5745 \$0	

> National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS	. Requirements	Units: MDT										
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
TRANSCO ZONE 3 Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	85 \$5.2670 \$448	\$5.5535	87 \$5.6991 \$497	79 \$5.6620 \$446	87 \$5.5569 \$485	60 \$5.3282 \$317	32 \$5.3444 \$171	0 \$5.3843 \$0	87 \$5.4413 \$475	0 \$5.4878 \$0	0 \$5.5117 \$0	0 \$5.5962 \$0	
AECO TO TENNESSEE - AN Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	E II 30,000 \$6.0732 \$182,196	\$6.3252	30,900 \$6.4680 \$199,861	28,000 \$6.4333 \$180,134	30,900 \$6.3283 \$195,546	30,000 \$6.1499 \$184,496	30,900 \$6.1656 \$190,517	30,000 \$6.2045 \$186,134	30,900 \$6.2612 \$193,470	30,900 \$6.3074 \$194,897	30,000 \$6.3315 \$189,945	30,900 \$6.4155 \$198,239	
NIAGARA TO TENNESSEE Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	\$5.6467 \$5.6467	\$5.8111	3,400 \$5.8230 \$19,798	1,100 \$5.8182 \$6,400	21,800 \$5.7342 \$125,006	0 \$5.4792 \$0	0 \$5.5038 \$0	0 \$5.5545 \$0	0 \$5.6033 \$0	0 \$5.6382 \$0	0 \$5.6449 \$0	0 \$5.7257 \$0	
Tetco to B&W - SCT Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	29,958 \$6.0533 \$181,349	\$6.3940	36,390 \$6.5426 \$238,085	32,587 \$6.5090 \$212,109	30,243 \$6.3969 \$193,460	19,931 \$6.1259 \$122,097	20,597 \$6.1394 \$126,453	19,931 \$6.1751 \$123,077	10,803 \$6.2351 \$67,358	10,036 \$6.2844 \$63,068	7,869 \$6.3132 \$49,679	687 \$6.4012 \$4,397	
DISTRIGAS FCS Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	C	0	0	0	0	0	0	0	0	0	0	0	
HUBLINE Total Delivered Vol Delivered \$/Mmbtu Total Delivered Cost	\$5.9105 \$6.9105	\$6.1844	271,000 \$6.3222 \$1,713,323	184,700 \$6.2888 \$1,161,536	200 \$6.1874 \$1,237	270,200 \$5.2259 \$1,412,033	37,700 \$5.3042 \$199,970	222,800 \$5.3177 \$1,184,773	22,200 \$5.4215 \$120,358	225,000 \$5.3831 \$1,211,198	171,400 \$5.3865 \$923,251	122,000 \$5.5165 \$673,016	
Financial Hedges as of 7/31/	NOV 2010	<b>DEC</b> 2010	<b>JAN</b> 2011	<b>FEB</b> 2011	<b>MAR</b> 2011	<b>APR</b> 2011	<b>MAY</b> 2011	<b>JUN</b> 2011	<b>JUL</b> 2011	<b>AUG</b> 2011	<b>SEP</b> 2011	<b>OCT</b> 2011	
Quantity Average Price 08/04/2010 NYMEX Impact of Financial Hedges	3,086,000 \$6.122 \$4.909 <b>\$3,744,776</b>	\$6.490	3,080,000 \$6.707 \$5.285 <b>\$4,380,700</b>	2,970,000 \$6.570 \$5.252 <b>\$3,915,430</b>	2,800,000 \$6.443 \$5.152 <b>\$3,615,240</b>	2,030,000 \$5.992 \$4.982 <b>\$2,050,190</b>	1,527,000 \$6.206 \$4.997 <b>\$1,845,816</b>	991,000 \$6.234 \$5.034 <b>\$1,189,041</b>	802,000 \$6.196 \$5.088 <b>\$888,704</b>	790,000 \$6.312 \$5.132 <b>\$932,270</b>	642,000 \$6.373 \$5.155 <b>\$781,690</b>	923,000 \$6.466 \$5.235 <b>\$1,136,410</b>	22,881,000 \$28,825,697.00
Total Pipeline Costs (Incl Inj Total Delivered Pipeline Vol WACOG (Cost/Volume)	\$16,534,812 2,403,100 \$6.881	3,126,700	\$23,997,111 3,369,800 \$7.121	\$21,011,154 2,969,600 \$7.075	\$22,138,394 3,296,600 \$6.716	\$16,495,682 2,711,600 \$6.083	\$11,149,222 1,735,300 \$6.425	\$8,939,815 1,437,000 \$6.221	<b>\$7,014,241</b> <b>1,124,000</b> \$6.240	\$6,554,347 1,025,700 \$6.390	\$5,253,300 813,000 \$6.462	\$7,383,249 1,123,700 \$6.570	25,136,100
Injections Cost of Injections	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	740,400 \$4,504,131	756,600 \$4,861,120	720,900 \$4,484,838	446,800 \$2,788,223	424,500 \$2,712,606	185,600 \$1,199,277	16,200 \$106,442	\$20,656,638
Total GCR Cost Including Fi Total Pipeline Costs Total Pipeline Purchase Volu	\$16,534,812	\$22,001,510	\$23,997,111 3,369,800	\$21,011,154 2,969,600	\$22,138,394 3,296,600	\$11,991,550 1,971,200	\$6,288,102 978,700	\$4,454,977 716,100	\$4,226,018 677,200	\$3,841,741 601,200	\$4,054,023 627,400	\$7,276,807 1,107,500	\$147,816,198 21,845,100

2010 GCR estimate FIXED COST ESTIMATES Nov 2010 - Oct 2011

#### 2010-2011 Gas Supply Fixed Costs UNIT PRICES

	[	NOV	DEC	JAN-11	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
DIDELINE EIVED COCT LINIT DDIGES A'D.	1												
PIPELINE FIXED COST UNIT PRICES \$/Dth ALGONQUIN AFT-E/AFT-1 DEMAND	\$/Dth	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977	\$5.977
ALGONQUIN AFT-2/AFT-1 DEMAND	\$/Dth	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755
ALGONQUIN AFT-S DEMIAND	\$/Dth	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391	\$2.391
TEXAS EASTERN STX CDS DEMAND Z3	\$/Dth	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805	\$6.805
TEXAS EASTERN WLA CDS DEMAND Z3	\$/Dth	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825	\$2.825
TEXAS EASTERN ELA CDS DEMAND Z3	\$/Dth	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375	\$2.375
TEXAS EASTERN ETX CDS DEMAND Z3	\$/Dth	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189	\$2.189
TETCO FTS DEMAND	\$/Dth	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350	\$5.350
TETCO M1 TO M3 DEMAND Z3	\$/Dth	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241	\$11.241
TETCO SCT STX DEMAND	\$/Dth	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722
TETCO SCT WLA DEMAND	\$/Dth	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130
TETCO SCT ELA DEMAND	\$/Dth	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950
TETCO SCT ETX DEMAND	\$/Dth	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876	\$0.876
TETCO SCT DEMAND 1-3	\$/Dth	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497	\$4.497
TETCO SCT STX DEMAND Z2	\$/Dth	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722	\$2.722
TETCO SCT WLA DEMAND Z2	\$/Dth	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130	\$1.130
TETCO SCT ELA DEMAND Z2	\$/Dth	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950	\$0.950
TETCO SCT ETX DEMAND Z2 TETCO SCT DEMAND 1-2	\$/Dth \$/Dth	\$0.876 \$3.415	\$0.876	\$0.876	\$0.876 \$3.415	\$0.876	\$0.876	\$0.876 \$3.415	\$0.876	\$0.876 \$3.415	\$0.876 \$3.415	\$0.876	\$0.876 \$3.415
TENNESSEE FT-A DEMAND ZONE 0 TO 6	\$/Dth	\$3.415 \$15.654											
TENNESSEE FT-A DEMAND ZONE 1 TO 6	\$/Dth	\$15.654 \$15.654											
TENNESSEE FT-A DEMAND ZONE 1 TO 6	\$/Dth	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599
TENNESSEE FT-A DEMAND ZONE 1 TO 6	\$/Dth	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599
TENNESSEE FT-A DEMAND ZONE 0 TO 6 CON		\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737	\$22.737
TENNESSEE DRACUT	\$/Dth	\$3.160	\$3,160	\$3.160	\$3,160	\$3.160	\$3.160	\$3.160	\$3.160	\$3.160	\$3.160	\$3.160	\$3,160
TENNESSEE FT-A DEMAND ZONE 5 TO 6	\$/Dth	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930	\$4.930
NETNE	\$/Dth	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610	\$10.610
IROQUOIS	\$/Dth	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597	\$6.597
NOVA	\$/Dth	\$4.515	\$4.666	\$4.666	\$4.214	\$4.666	\$4.515	\$4.666	\$4.515	\$4.666	\$4.666	\$4.515	\$4.666
TRANSCANADA	\$/Dth	\$30.150	\$31.155	\$31.155	\$28.140	\$31.155	\$30.150	\$31.155	\$30.150	\$31.155	\$31.155	\$30.150	\$31.155
DOMINION FTNN DEMAND	\$/Dth	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346	\$4.346
TRANSCO DEMAND ZONE 2 TO 6	\$/Dth	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462	\$0.462
TRANSCO DEMAND ZONE 3 TO 6.	\$/Dth	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435	\$0.435
TRANSCO DEMAND ZONE 6	\$/Dth	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119	\$0.119
NATIONAL FUEL DEMAND	\$/Dth	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557	\$3.557
COLUMBIA FTS DEMAND	\$/Dth	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075	\$6.075
HUBLINE	\$/Dth	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558	\$11.558
HUBLINE	\$/Dth	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996	\$6.996
HUBLINE EAST TO WEST	\$/Dth \$/Dth	\$6.992 \$8.446											
SUPPLIER FIXED COST UNIT PRICES	φ/D(I)	фо.440	<b>ф</b> 0.440	фо.440	фо.446	фо.440	фо.446	фо.446	фо.440	фо.440	фо.446	фо.440	фо.446
DISTRIGAS FCS	\$/Dth	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
DIGITATION OF GE	Ψ/Βατ	ψ0.000											
STORAGE FIXED COST UNIT PRICES	1												
TEXAS EASTERN SS-1 DEMAND	\$/Dth	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592	\$5.592
TEXAS EASTERN SS-1 CAPACITY	\$/Dth	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129
TEXAS EASTERN FSS-1 DEMAND	\$/Dth	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895	\$0.895
TEXAS EASTERN FSS-1 CAPACITY	\$/Dth	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129	\$0.129
DOMINION GSS DEMAND	\$/Dth	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877
DOMINION GSS CAPACITY	\$/Dth	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015
DOMINION GSS-TE DEMAND	\$/Dth	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877	\$1.877
DOMINION GSS-TE CAPACITY	\$/Dth	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015	\$0.015
TENNESSEE FSMA DEMAND	\$/Dth	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150	\$1.150
TENNESSEE FSMA CAPACITY	\$/Dth	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019	\$0.019
COLUMBIA FSS CARACITY	\$/Dth	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506	\$1.506
COLUMBIA FSS CAPACITY	\$/Dth	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029	\$0.029

STORAGE DELIVERY FIXED		NOV	DEC	JAN-11	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
UNIT RATES (\$/Dth)													
PATH ALGONQUIN FOR TETCO SS-1	\$/Dth	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
ALGONQUIN DELIVERY FOR FSS-1	\$/Dth	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
TETCO DELIVERY FOR FSS-1	\$/Dth	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359	\$5.359
ALGONQUIN SCT FOR SS-1	\$/Dth	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909
ALGONQUIN DELIVERY FOR GSS, GSS-TE,	\$/Dth	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771	\$5.9771
ALGONQUIN SCT DELIVERY FOR GSS-TE	\$/Dth	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909	\$2.3909
ALGONQUIN DELIVERY FOR GSS CONV. TENNESSEE DELIVERY FOR GSS	\$/Dth \$/Dth	\$9.785 \$5.8900											
TENNESSEE DELIVERY FOR GSS TENNESSEE DELIVERY FOR FSMA	\$/Dth	\$5.8900 \$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900	\$5.8900 \$5.8900	\$5.8900 \$5.8900
TETCO DELIVERY FOR GSS	\$/Dth	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500	\$5.3500
TETCO DELIVERY FOR GSS-TE	\$/Dth	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576	\$6.576
TETCO DELIVERY FOR GSS-TE	\$/Dth	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864	\$6.864
TETCO DELIVERY FOR GSS CONV.	\$/Dth	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179	\$5.179
DOMINION DELIVERY FOR GSS DOMINION DELIVERY FOR GSS CONV.	\$/Dth	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461	\$4.3461
ALGONQUIN DELIVERY FOR GSS CONV.	\$/Dth \$/Dth	\$4.3461 \$5.9771											
COLUMBIA DELIVERY FOR FSS	\$/Dth	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905	\$5.905
DISTRIGAS FLS CALL PAYMENT Winter	\$/Dth	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DISTRIGAS FLS CALL PAYMENT Summer	\$/Dth	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PIPELINE FIXED COST BILLING UNITS	1							BILLING UNITS					
ALGONQUIN AFT-E/AFT-1 DEMAND	Dth	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950
ALGONQUIN AFT-3 DEMAND	Dth	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
ALGONQUIN AFT-ES/1S DEMAND	Dth	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414
TEXAS EASTERN STX CDS DEMAND Z3	Dth	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844
TEXAS EASTERN WLA CDS DEMAND Z3 TEXAS EASTERN ELA CDS DEMAND Z3	Dth Dth	15,716 23,758	15,716	15,716	15,716 23,758	15,716	15,716	15,716 23,758	15,716	15,716	15,716 23,758	15,716 23.758	15,716 23.758
TEXAS EASTERN ELA COS DEMAND 23 TEXAS EASTERN ETX CDS DEMAND Z3	Dth	23,736 7.995	23,758 7,995	23,758 7,995	7.995	23,758 7,995	23,758 7,995	7,995	23,758 7,995	23,758 7.995	7,995	7,995	7,995
TETCO M1 TO M3 DEMAND Z3	Dth	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934
TETCO FTS DEMAND	Dth	537	537	537	537	537	537	537	537	537	537	537	537
TETCO SCT STX DEMAND	Dth	571	571	571	571	571	571	571	571	571	571	571	571
TETCO SCT WLA DEMAND	Dth	648	648	648	648	648	648	648	648	648	648	648	648
TETCO SCT ELA DEMAND TETCO SCT ETX DEMAND	Dth	1,183	1,183	1,183	1,183 329	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183 329
TETCO SCT ETA DEMAND TETCO SCT DEMAND 1-3	Dth Dth	329 2,099	329 2,099	329 2,099	2,099	329 2,099	2,099						
TETCO SCT STX DEMAND Z2	Dth	401	401	401	401	401	401	401	401	401	401	401	401
TETCO SCT WLA DEMAND Z2	Dth	455	455	455	455	455	455	455	455	455	455	455	455
TETCO SCT ELA DEMAND Z2	Dth	831	831	831	831	831	831	831	831	831	831	831	831
TETCO SCT ETX DEMAND Z2	Dth	231	231	231	231	231	231	231	231	231	231	231	231
TETCO SCT DEMAND 1-2	Dth	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474
TENNESSEE FT-A DEMAND ZONE 0 TO 6 TENNESSEE FT-A DEMAND ZONE 1 TO 6	Dth Dth	3,500 6,500											
TENNESSEE FT-A DEMAND ZONE 0 TO 6	Dth	6.022	6.022	6.022	6.022	6.022	6.022	6.022	6.022	6.022	6.022	6.022	6.022
TENNESSEE FT-A DEMAND ZONE 1 TO 6	Dth	13,313	13,313	13,313	13,313	13,313	13,313	13,313	13,313	13,313	13,313	13,313	13,313
TENNESSEE FT-A DEMAND ZONE 0 TO 6 (New		11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600
TENNESSEE DRACUT	Dth	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
TENNESSEE FT-A DEMAND ZONE 5 TO 6	Dth	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067
NETNE IROQUOIS	Dth Dth	1,000 1,012											
NOVA	Dth	1,012	1,076	1,012	1,076	1,076	1,076	1,012	1,012	1,012	1.076	1,012	1,012
TRANSCANADA	Dth	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022
DOMINION FTNN DEMAND	Dth	537	537	537	537	537	537	537	537	537	537	537	537
TRANSCO DEMAND ZONE 2 TO 6	Dth	4,140	4,278	4,278	3,864	4,278	4,140	4,278	4,140	4,278	4,278	4,140	4,278
TRANSCO DEMAND ZONE 3 TO 6.	Dth	90	93	93	84	93	90	93	90	93	93	90	93
TRANSCO DEMAND ZONE 6 NATIONAL FUEL DEMAND	Dth Dth	37,200	38,440	38,440	34,720 1,177	38,440	37,200	38,440	37,200	38,440	38,440	37,200	38,440 1,177
COLUMBIA FTS DEMAND	Dth Dth	1,177 47.455	47.455										
HUBLINE	Dth	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
HUBLINE	Dth	500	500	500	500	500	500	500	500	500	500	500	500
HUBLINE	Dth	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
EAST TO WEST	Dth	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

		NOV	DEC	JAN-11	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
SUPPLIER FIXED COST BILLING UNITS			<u>-</u>	•	-	-	-	•	-	-	-	-	
DISTRIGAS FCS	Dth	0	0	0	0	0	0	0	0	0	0	0	0
STORAGE FIXED COST BILLING UNITS	]												
TEXAS EASTERN SS-1 DEMAND	Dth	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802	14,802
TEXAS EASTERN SS-1 CAPACITY	Dth	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336	103,336
TEXAS EASTERN FSS-1 DEMAND	Dth	944	944	944	944	944	944	944	944	944	944	944	944
TEXAS EASTERN FSS-1 CAPACITY	Dth	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720
DOMINION GSS DEMAND	Dth	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403	11,403
DOMINION GSS CAPACITY	Dth	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304	1,039,304
DOMINION GSS-TE DEMAND	Dth	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337	14,337
DOMINION GSS-TE CAPACITY	Dth	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324	1,376,324
TENNESSEE FSMA DEMAND	Dth	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169	21,169
TENNESSEE FSMA CAPACITY	Dth	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343	815,343
COLUMBIA FSS DEMAND	Dth	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545
COLUMBIA FSS CAPACITY	Dth	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957	203,957
STORAGE DELIVERY BILLING UNITS (DTH)	]												
ALGONOUIN FOR TETCO SS-1	Dth	14.137	14.137	14,137	14.137	14.137	14.137	14.137	14.137	14.137	14.137	14.137	14,137
ALGONQUIN DELIVERY FOR FSS-1	Dth	944	944	944	944	944	944	944	944	944	944	944	944
TETCO DELIVERY FOR FSS-1	Dth	944	944	944	944	944	944	944	944	944	944	944	944
ALGONQUIN SCT FOR SS-1	Dth	665	665	665	665	665	665	665	665	665	665	665	665
ALGONQUIN DELIVERY FOR GSS. GSS-TE.	Dth	11,739	11,739	11,739	11,739	11,739	11.739	11,739	11,739	11.739	11,739	11,739	11,739
ALGONQUIN SCT DELIVERY FOR GSS-TE	Dth	187	187	187	187	187	187	187	187	187	187	187	187
ALGONQUIN DELIVERY FOR GSS CONV	Dth	2.061	2.061	2.061	2.061	2.061	2.061	2.061	2.061	2.061	2.061	2.061	2.061
TENNESSEE DELIVERY FOR GSS	Dth	6.725	6.725	6.725	6.725	6.725	6.725	6.725	6.725	6.725	6.725	6.725	6.725
TENNESSEE DELIVERY FOR FSMA	Dth	4.111	4.111	4,111	4.111	4.111	4,111	4,111	4.111	4,111	4.111	4,111	4.111
TETCO DELIVERY FOR GSS	Dth	6.377	6,377	6,377	6,377	6,377	6.377	6.377	6,377	6.377	6,377	6.377	6,377
TETCO DELIVERY FOR GSS-TE	Dth	538	538	538	538	538	538	538	538	538	538	538	538
TETCO DELIVERY FOR GSS-TE	Dth	5.011	5.011	5.011	5.011	5,011	5.011	5.011	5,011	5.011	5.011	5.011	5.011
TETCO DELIVERY FOR GSS CONV	Dth	2.061	2,061	2,061	2,061	2,061	2,061	2,061	2,061	2.061	2,061	2,061	2,061
DOMINION DELIVERY FOR GSS	Dth	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324
DOMINION DELIVERY FOR GSS CONV	Dth	2.061	2.061	2,061	2.061	2,061	2.061	2,061	2,061	2.061	2,061	2,061	2,061
ALGONQUIN DELIVERY FOR FSS	Dth	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545
COLUMBIA DELIVERY FOR FSS	Dth	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545	2,545
DISTRIGAS FLS CALL PAYMENT Winter	Dth	0	0	0	0	0	0	0	0	0	0	0	0
DISTRIGAS FLS CALL PAYMENT Summer	Dth	0	0	0	0	0	0	0	0	0	0	0	0

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		NOV	DEC	JAN-11	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	
DIDELINE FIVED COST DOLLARS						'	TOTAL COST							
PIPELINE FIXED COST DOLLARS ALGONQUIN AFT-E/AFT-1 DEMAND	\$	\$519,709	\$519,709	\$519,709	<b>PE10 700</b>	\$519,709	¢£10.700	¢£10.700	¢E10.700	<b>¢</b> E40.700	\$519,709	\$519,709	¢510.700	
ALGONQUIN AFT-E/AFT-T DEMAND ALGONQUIN AFT-3 DEMAND	φ	\$519,709 \$118,987	\$519,709 \$118,987	\$118,987	\$519,709 \$118,987									
ALGONQUIN AFT-S DEMAND	\$	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	
TEXAS EASTERN STX CDS DEMAND Z3	\$	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	
TEXAS EASTERN WLA CDS DEMAND Z3	\$	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	
TEXAS EASTERN ELA CDS DEMAND Z3	\$	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	
TEXAS EASTERN ETX CDS DEMAND Z3	\$	\$17.501	\$17.501	\$17,501	\$17.501	\$17.501	\$17.501	\$17.501	\$17.501	\$17.501	\$17,501	\$17.501	\$17.501	
TETCO M1 TO M3 DEMAND Z3	\$	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	
TETCO FTS DEMAND	\$	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2.873	\$2,873	
TETCO SCT STX DEMAND	\$	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	
TETCO SCT WLA DEMAND	\$	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	
TETCO SCT ELA DEMAND	\$	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	
TETCO SCT ETX DEMAND	\$	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	
TETCO SCT DEMAND 1-3	\$	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	
TETCO SCT STX DEMAND Z2	\$	\$1.092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	
TETCO SCT WLA DEMAND Z2	\$	\$514	\$514	\$514	\$514	\$514	\$514	\$514	\$514	\$514	\$514	\$514	\$514	
TETCO SCT ELA DEMAND Z2	\$	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	
TETCO SCT ETX DEMAND Z2	\$	\$202	\$202	\$202	\$202	\$202	\$202	\$202	\$202	\$202	\$202	\$202	\$202	
TETCO SCT DEMAND 1-2	\$	\$5.034	\$5,034	\$5.034	\$5.034	\$5,034	\$5,034	\$5,034	\$5.034	\$5,034	\$5,034	\$5,034	\$5,034	
TENNESSEE FT-A DEMAND ZONE 0 TO 6	\$	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	
TENNESSEE FT-A DEMAND ZONE 1 TO 6	\$	\$101.751	\$101,751	\$101.751	\$101.751	\$101,751	\$101.751	\$101.751	\$101,751	\$101.751	\$101.751	\$101.751	\$101.751	
TENNESSEE FT-A DEMAND ZONE 0 TO 6	\$	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	
TENNESSEE FT-A DEMAND ZONE 1 TO 6	\$	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	
TENNESSEE FT-A DEMAND ZONE 0 TO 6 (New)	\$	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	
TENNESSEE DRACUT	\$	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	
TENNESSEE FT-A DEMAND ZONE 5 TO 6	\$	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	
NETNE	\$	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	
IROQUOIS	\$	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	
NOVA	\$	\$4,858	\$5,020	\$5,020	\$4,534	\$5,020	\$4,858	\$5,020	\$4,858	\$5,020	\$5,020	\$4,858	\$5,020	
TRANSCANADA	\$	\$30,813	\$31,840	\$31,840	\$28,759	\$31,840	\$30,813	\$31,840	\$30,813	\$31,840	\$31,840	\$30,813	\$31,840	
DOMINION FTNN DEMAND	\$	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	
TRANSCO DEMAND ZONE 2 TO 6	\$	\$1,911	\$1,975	\$1,975	\$1,784	\$1,975	\$1,911	\$1,975	\$1,911	\$1,975	\$1,975	\$1,911	\$1,975	
TRANSCO DEMAND ZONE 3 TO 6.	\$	\$39	\$40	\$40	\$37	\$40	\$39	\$40	\$39	\$40	\$40	\$39	\$40	
TRANSCO DEMAND ZONE 6	\$	\$4,424	\$4,571	\$4,571	\$4,129	\$4,571	\$4,424	\$4,571	\$4,424	\$4,571	\$4,571	\$4,424	\$4,571	
NATIONAL FUEL DEMAND	\$	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	
COLUMBIA FTS DEMAND	\$	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	\$288,289	
HUBLINE	\$	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	
HUBLINE	\$	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	
HUBLINE	\$	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	\$24,472	
EAST TO WEST	\$	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	
WESTERLY LATERAL (Yankee)	\$	\$58,879	\$58,879	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	
TOTAL PIPELINE DEMAND COSTS	*	\$2,747,993	\$2,749,395	\$2,748,152	\$2,743,948	\$2,748,152	\$2,746,751	\$2,748,152	\$2,746,751	\$2,748,152	\$2,748,152	\$2,746,751	\$2,748,152	\$32
		<del>,</del>	, , - 00	·-,· ·-,· ·-	.=,=,= .•	,,	·,- ·,- ·	,,	,,	,,	,,	,,	,,	
SUPPLIER FIXED COST DOLLARS														
DISTRIGAS FCS - Vapor Portion	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL SUPPLIER DEMAND COSTS	Ψ.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		***	**	Ų.	Ų.	**	**	Ų.	Ų.	40	40	40	ų.	
STORAGE FIXED COST DOLLARS														
TEXAS EASTERN SS-1 DEMAND	\$	\$82,773	\$82,773	\$82,773	\$82.773	\$82,773	\$82,773	\$82,773	\$82,773	\$82,773	\$82,773	\$82,773	\$82,773	
TEXAS EASTERN SS-1 CAPACITY	\$	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	\$13,361	
TEXAS EASTERN FSS-1 DEMAND	\$	\$845	\$845	\$845	\$845	\$845	\$845	\$845	\$845	\$845	\$845	\$845	\$845	
TEXAS EASTERN FSS-1 CAPACITY	\$	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	
DOMINION GSS DEMAND	\$	\$21.407	\$21.407	\$21,407	\$21.407	\$21.407	\$21,407	\$21,407	\$21.407	\$21.407	\$21,407	\$21.407	\$21,407	
DOMINION GSS CAPACITY	\$	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	\$15,070	
DOMINION GSS CAPACITY DOMINION GSS-TE DEMAND	\$	\$26.915	\$26.915	\$26.915	\$26.915	\$26.915	\$15,070 \$26.915	\$26,915	\$26.915	\$26.915	\$26.915	\$26.915	\$26.915	
DOMINION GSS-TE DEMAND DOMINION GSS-TE CAPACITY	φ \$	\$26,915 \$19,957	\$26,915 \$19,957	\$26,915 \$19,957	\$19,957	\$26,915 \$19,957	\$26,915 \$19,957	\$26,915 \$19,957	\$26,915 \$19,957	\$19,957	\$19,957	\$26,915 \$19,957	\$26,915 \$19,957	
TENNESSEE FSMA DEMAND	\$	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	\$24,344	
TENNESSEE FSMA CAPACITY	Ф \$	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15.084	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15.084	\$24,344 \$15,084	\$24,344 \$15,084	\$24,344 \$15,084	
COLUMBIA FSS DEMAND	ψ	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	\$3,833	
COLUMBIA FSS DEMAND COLUMBIA FSS CAPACITY	φ φ	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,894	\$5,633 \$5.894	
NATIONAL GRID LNG TANK LEASE PAYMENTS	\$ \$	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$5,894 \$163,740	\$1
TOTAL STORAGE DEMAND COSTS	φ \$	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$1, \$4,
	Ψ	ψυσυ,υυσ	ψ000,000	ψ030,000	<b>4000,000</b>	ψυσυ,υσσ	<b>4030,000</b>	ψοσσ,σσσ	ψοσσ,σσσ	<b>4000,000</b>	ψυυυ,υυυ	ψυυυ,υυυ	ψ000,000	Ψ4,

STORAGE DELIVERY FIXED COSTS													
ALGONQUIN FOR TETCO SS-1 \$	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	\$84,498	
ALGONQUIN DELIVERY FOR FSS-1 \$	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	\$5,642	
TETCO DELIVERY FOR FSS-1 \$	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	\$5,059	
ALGONQUIN SCT FOR SS-1 \$	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	\$1,590	
ALGONQUIN DELIVERY FOR GSS, GSS-TE, \$	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	\$70,165	
ALGONQUIN SCT DELIVERY FOR GSS-TE \$	\$447	\$447	\$447	\$447	\$447	\$447	\$447	\$447	\$447	\$447	\$447	\$447	
ALGONQUIN DELIVERY FOR GSS CONV \$	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	\$20,168	
TENNESSEE DELIVERY FOR GSS \$	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	\$39,610	
TENNESSEE DELIVERY FOR FSMA \$	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	\$24,214	
TETCO DELIVERY FOR GSS \$	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	\$34,117	
TETCO DELIVERY FOR GSS-TE \$	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	\$3,538	
TETCO DELIVERY FOR GSS-TE \$	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	\$34,396	
TETCO DELIVERY FOR GSS CONV \$	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	\$10,674	
DOMINION DELIVERY FOR GSS \$	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	\$23,139	
DOMINION DELIVERY FOR GSS CONV \$	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	\$8,957	
ALGONQUIN DELIVERY FOR FSS \$	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	\$15,212	
COLUMBIA DELIVERY FOR FSS \$	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	\$15,028	
DISTRIGAS FCS - LIQUID PORTION \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DISTRIGAS FLS CALL PAYMENT Winter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DISTRIGAS FLS CALL PAYMENT Summer \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL STORAGE DELIVERY DEMAND CHARGES	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$4,757,444
	*****	*****	*****	*****	, .	, .	*****	*****	, .	*****	*****	, .	. , . ,
TOTAL ALL DEMAND COSTS \$	\$3,538,280	\$3,539,681	\$3,538,439	\$3,534,234	\$3,538,439	\$3,537,037	\$3,538,439	\$3,537,037	\$3,538,439	\$3,538,439	\$3,537,037	\$3,538,439	\$42,453,940
	, ,	, ,	,,		*-,,		*-,,	,	, ,	*-,,	*-,,	*	, , , .
	NOV	DEC	JAN-11	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	Total
Marketer Demand Charge Credits		DLU	UAIT II	, LD	WAIN	AIR	III.	00.1	002	AUU	OL.		i Otal
<u> </u>													
Capacity Release Volumes as of August 1, 2010	7.700	7.700	7 700	7.700	7 700	7.700	7.700	7 700	7.700	7.700	7.700	7.700	
Tennessee Dth		7,723	7,723	7,723	7,723	7,723	7,723	7,723	7,723	7,723	7,723	7,723	
Algonquin Dth	,	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	
Tetco STX/AGT Dth		4,027	4,027	4,027	4,027	4,027	4,027	4,027	4,027	4,027	4,027	4,027	
Tetco WLA/AGT Dth		7,824	7,824	7,824	7,824	7,824	7,824	7,824	7,824	7,824	7,824	7,824	
Tetco ELA/AGT Dth	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	
Columbia/Downington Dth	764	764	764	764	764	764	764	764	764	764	764	764	
Total	28,528	28,528	28,528	28,528	28,528	28,528	28,528	28,528	28,528	28,528	28,528	28,528	
System Weighted Average cost per MMBtu	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	\$15.8989	
Total Demand Charge Credit	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$5,442,749
Damand Coate Not of Balance to Marketon	£2.004.747	\$2.00C.440	£2.004.07C	£2.000.070	62 004 070	£2 002 47E	£2.004.07C	62 002 475	60.004.070	60 004 070	£2.002.47E	£2.004.07C	£27.044.400
Demand Costs Net of Releases to Marketers \$	\$3,084,717	\$3,086,119	\$3,084,876	\$3,080,672	\$3,084,876	\$3,083,475	\$3,084,876	\$3,083,475	\$3,084,876	\$3,084,876	\$3,083,475	\$3,084,876	\$37,011,190
TOTAL PIPELINE DEMANDS \$	\$2,747,993	\$2,749,395	\$2,748,152	\$2,743,948	\$2,748,152	\$2,746,751	\$2,748,152	\$2,746,751	\$2,748,152	\$2,748,152	\$2,746,751	\$2,748,152	\$32,970,500
TOTAL SUPPLIER DEMANDS \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL STORAGE FACILITIES \$	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$393,833	\$4,725,995
TOTAL STORAGE DELIVERY DEMANDS \$	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$396,454	\$4,757,444
Total All Demands \$	\$3,538,280	\$3,539,681	\$3,538,439	\$3,534,234	\$3,538,439	\$3,537,037	\$3,538,439	\$3,537,037	\$3,538,439	\$3,538,439	\$3,537,037	\$3,538,439	\$42,453,940
Marketer Release Credits \$	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$453,562	\$5,442,749
NGPMP credit	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$283,333	\$3,400,000
						•			•				
Demand Net of Releases \$	\$2,801,384	\$2,802,786	\$2,801,543	\$2,797,338	\$2,801,543	\$2,800,141	\$2,801,543	\$2,800,141	\$2,801,543	\$2,801,543	\$2,800,141	\$2,801,543	\$33,611,190

Storage Product Cost												
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
WACOG INJECTIONS	\$5.322	\$5.647	\$5.821	\$5.757	\$5.619	\$5.327	\$5.361	\$5.394	\$5.450	\$5.481	\$5.500	\$5.559
Injection cost	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023
Total injection cost	\$5.345	\$5.669	\$5.844	\$5.779	\$5.641	\$5.350	\$5.384	\$5.416	\$5.472	\$5.504	\$5.523	\$5.582
COMBINED STORAGE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Beginning Inv Vol	4,495,011	4,495,011	3,857,780	2,596,576	1,620,780	1,451,293	2,191,693	2,948,293	3,669,193	4,115,993	4,540,493	4,726,093
Vol Withdrawn	0	637,231	1,261,203	975,796	169,487	0	0	0	0	0	0	0
Vol Injected	0	0	0	0	0	740,400	756,600	720,900	446,800	424,500	185,600	16,200
Begining Inv \$ (virtual)	\$23.678.819	\$23.678.819	\$20.322.012	\$13.678.244	\$8,537,946	\$7.645.122	\$11.606.155	\$15,679,560	\$19.584.157	\$22.029.194	\$24,365,545	\$25,300,557
\$ Withdrawn (1)	\$0	\$4.504.482	\$8,915,238	\$6.897.740	\$1.198.076	\$0	\$0	\$10,079,000	\$0	\$0	\$0	\$0
\$ Injected	\$0	\$0	\$0	\$0	\$0	\$3,961,034	\$4.073.405	\$3,904,597	\$2,445,036	\$2.336.351	\$1.025.013	\$90,424
¥,	**	**	**	*-	**	**,***,***	<b>4</b> 1,01 0,100	**,***	<del>+-</del> , : : -,	<b>4</b> _,,	* 1,0=0,010	****, :
Ending Vol	4,495,011	3,857,780	2,596,576	1,620,780	1,451,293	2,191,693	2,948,293	3,669,193	4,115,993	4,540,493	4,726,093	4,742,293
Ending \$	\$23,678,819	\$20,322,012	\$13,678,244	\$8,537,946	\$7,645,122	\$11,606,155	\$15,679,560	\$19,584,157	\$22,029,194	\$24,365,545	\$25,390,557	\$25,480,982
Avg \$/Mmbtu	\$5,268	\$5.268	\$5,268	\$5,268	\$5.268	\$5.296	\$5.318	\$5.337	\$5.352	\$5.366	\$5.372	\$5.373
	70	****	*******	***	*******	******	******	******	******	******	*****	******
Withdrawal cost	\$0	\$19.283	\$36.674	\$30.134	\$3,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation cost	\$0	\$22,717	\$50,188	\$36,005	\$4,598	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Costs allocated to fuel	\$0	\$108,155	\$211,784	\$168,549	\$24,164	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage value Less fuel	\$0	\$4,396,327	\$8,703,454	\$6,729,191	\$1.173.912	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage value Less fuel	φU	\$4,390,32 <i>1</i>	\$6,703,434	\$0,725,151	\$1,173,312	φU	40	40	φU	40	40	ą0
Delivered Volumes	0	616,700	1,221,000	943,800	164,900	0	0	0	0	0	0	0
The last Association and the		04 447 075	40.074.470	04 757 440	****							
Hedge Amortization	0	<b>\$1,147,675</b> 20,531	<b>\$2,271,470</b> 40,203	<b>\$1,757,442</b> 31,996	<b>\$305,252</b> 4,587	0	0	0	0	0	0	0
		20,531	40,203	31,990	4,567	U	U	U	U	U	U	U

<sup>-</sup> amortization of hedges on injection gas

<sup>\$5,481,839
(1)</sup> Includes Hedge Amortization
3,043,718 Withdrawal

#### Storage Withdrawal variable costs 2010-2011 GCR Storage surcharge estimate

2010-2011 GCR Storage surcharge estimate													
Storage Withdrawals at Facility Dth	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
TENN_501	0	144,843	246,141	174,793	9,302	0	0	0	0	0	0	0	575,079
GSS 300170	0	0	0	0	0	0	0	0	0	0	0	0	0
GSS 300168	0	18,604	43,443	39,252	18,706	0	0	0	0	0	0	0	120,004
GSS 300171	0	0	73,015	29,370	0	0	0	0	0	0	0	0	102,385
GSS-TE 600045	0	145,621	170,525	153,957	138,314	0	0	0	0	0	0	0	608,417
TETCO_400515	0	2,546	26,310	20,687	0	0	0	0	0	0	0	0	49,544
TETCO_400221	0	234,458	422,883	362,098	0	0	0	0	0	0	0	0	1,019,439
TETCO 400185	0	0	18,518	13,915	0	0	0	0	0	0	0	0	32,433
GSS 300169	0	37,250	57,806	52,171	-	0		0	0	-	0		147,227
COL FSS 9630 TENN 62918	0	43,994 9,915	77,243 125,319	68,018 61,535	405 2,760	0	0	0	0	0	0	0	189,660 199,530
TOTAL	0	637,231	1,261,203	975,796	169,487	0	0	0	0	0	0	0	3,043,718
OTODA OF WITHDDAWAL DDIOES													
STORAGE WITHDRAWAL PRICES Tennessee Withdrawal	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	
Dominion GSS Withdrawal	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	\$0.0102	
Dominion GSS Withdrawal	\$0.0214	\$0.0103	\$0.0103	\$0.0163	\$0.0103	\$0.0103	\$0.0103	\$0.0103	\$0.0103	\$0.0103	\$0.0103	\$0.0103	
Tetco SS-1 Withdrawal	\$0.0551	\$0.0551	\$0.0551	\$0.0551	\$0.0551	\$0.0551	\$0.0514	\$0.0551	\$0.0551	\$0.0551	\$0.0551	\$0.0551	
Tetco FSS-1 Withdrawal	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	\$0.0339	
Columbia Withdrawal	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	
GAS YEAR 2010 - 2011 Withdrawal Costs	Nov	Dec	Jan	Feb	Mar	Anr	May	Jun	Jul	Λυσ	Con	Oct	Total
Tennessee Withdrawal	\$0	\$1,579	\$3,789	\$2,411	\$123	Apr \$0	way \$0	Sun \$0	Jui \$0	Aug \$0	Sep \$0	\$0	\$7,901
Dominion GSS Withdrawal	\$0 \$0	\$910	\$2,840	\$1,969	\$305	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$6,025
Dominion GSS-TE Withdrawal	\$0 \$0	\$3,116	\$3,649	\$3,295	\$2,960	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,020
Tetco SS-1 Withdrawal	\$0 \$0	\$12,919	\$24,321	\$20,718	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$57,958
Tetco FSS-1 Withdrawal	\$0	\$86	\$892	\$701	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,680
Columbia Withdrawal	\$0	\$673	\$1,182	\$1,041	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,902
Totals	\$0	\$19,283	\$36,674	\$30,134	\$3,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$89,485
Storage Withdrawals at Gate Dth	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	-
						•	,			=	•		
TENN_501	0	141,700	240,800	171,000	9,100	0	0	0	0	0	0	0	562,600
GSS 300170	0	141,700 0	240,800 0	171,000 0	9,100 0	0	0	0	0	0	0	0	0
GSS 300170 GSS 300168	0 0 0	141,700 0 18,200	240,800 0 42,500	171,000 0 38,400	9,100 0 18,300	0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 117,400
GSS 300170 GSS 300168 GSS 300171	0 0 0	141,700 0 18,200 0	240,800 0 42,500 71,100	171,000 0 38,400 28,600	9,100 0 18,300 0	0 0 0	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 117,400 99,700
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045	0 0 0 0	141,700 0 18,200 0 141,500	240,800 0 42,500 71,100 165,700	171,000 0 38,400 28,600 149,600	9,100 0 18,300 0 134,400	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 117,400 99,700 591,200
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515	0 0 0 0 0	141,700 0 18,200 0 141,500 2,400	240,800 0 42,500 71,100 165,700 24,800	171,000 0 38,400 28,600 149,600 19,500	9,100 0 18,300 0 134,400	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 117,400 99,700 591,200 46,700
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221	0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100	240,800 0 42,500 71,100 165,700 24,800 404,200	171,000 0 38,400 28,600 149,600 19,500 346,100	9,100 0 18,300 0 134,400 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185	0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300	9,100 0 18,300 0 134,400 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO_400185 GSS 300169	0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000	9,100 0 18,300 0 134,400 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630	0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100	9,100 0 18,300 0 134,400 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO_400185 GSS 300169	0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000	9,100 0 18,300 0 134,400 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100
GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL	0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100 60,200	9,100 0 18,300 0 134,400 0 0 0 0 400 2,700	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600 1,221,000	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 60,200 943,800	9,100 0 18,300 0 134,400 0 0 0 0 400 2,700 164,900	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation	0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600 1,221,000	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100 60,200 943,800	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT	0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600 1,221,000	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100 60,200 943,800 \$\$0.0853 \$\$0.0150\$	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on Tennessee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0401 \$0.0853	171,000 0 38,400 28,600 149,600 346,100 13,300 50,000 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853	9,100 18,300 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0863	\$0.0853 \$0.0853 \$0.0863	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853	\$0.0853 \$0.0853 \$0.0150 \$0.0401	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0401	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.08401	\$0.0853 \$0.0150 \$0.0401 \$0.0401	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	\$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0401	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans	\$0.0853 \$0.0853 \$0.0401 \$0.0853 \$0.1104	141,700 0 18,200 0 0 141,500 2,400 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0853 \$0.1150 \$0.0853	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 76,200 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0853 \$0.1104 \$0.0853 \$0.1104	9,100 0 18,300 0 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0450 \$0.0853	\$0.0853 \$0.0853 \$0.0150 \$0.0863 \$0.1131	\$0.0853 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0853 \$0.0150 \$0.0451 \$0.0853 \$0.1104	\$0.0853 \$0.0853 \$0.0150 \$0.0853 \$0.0104 \$0.0104	\$0.0853 \$0.0853 \$0.0150 \$0.1131	\$0.0853 \$0.0853 \$0.0150 \$0.0450 \$0.1104	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 76,200 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	171,000 0 38,400 28,600 149,600 19,500 346,100 13,300 50,000 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0401	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.08401	\$0.0853 \$0.0150 \$0.0401 \$0.0401	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104	\$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0401	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetnessee Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco FSS-1 Trans	\$0.0853 \$0.0853 \$0.0401 \$0.0853 \$0.0401 \$0.0853 \$0.1104 \$0.0853	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0863 \$0.0150 \$0.0863 \$0.0150 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0853	240,800 0 42,500 71,100 165,700 24,800 107,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570	171,000 0 38,400 28,600 19,500 346,100 13,300 50,000 67,100 943,800 \$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0853	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0131	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0455 \$0.1104 \$0.0571	\$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570	\$0.0853 \$0.0853 \$0.0150 \$0.0461 \$0.0461 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_40021 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on Tetro/AGT Dominion Trans on DTI/Tetro/AGT Dominion Trans on DTI/Tennessee Tetro SS-1 Trans Tetro FSS-1 Trans Columbia Trans Storage Transportation Costs	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104	141,700 0 18,200 0 141,500 2,400 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1150 \$0.0401 \$0.0853 \$0.1150 \$0.0374	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	9,100 0 18,300 0 0 134,400 0 0 0 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0374	\$0.0853 \$0.0150 \$0.0151 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0131	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200 2,946,400
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Tetco SS-1 Trans Tetco FSS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation	\$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	240,800 0 42,500 71,100 71,100 24,800 10,7700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	171,000 0 38,400 249,600 149,600 19,500 346,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721	9,100 0 18,300 0 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0451 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0863 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0131	\$0.0853 \$0.0853 \$0.0150 \$0.0451 \$0.0874 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0131 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0451 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 195,200 2,946,400
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans Columbia Trans Columbia Trans Columbia Trans on DTI/Tennessee	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	240,800 0 42,500 71,100 165,700 24,800 404,200 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 943,800 \$0.200 943,800 \$0.0853 \$0.0150 \$0.0863 \$0.1104 \$0.0853 \$0.1104 \$0.0853 \$0.0853 \$0.09570 \$0.09570 \$0.0974	9,100 0 18,300 0 134,400 0 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0131 \$0.0374 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0374 May	\$0.0853 \$0.0853 \$0.0150 \$0.0461 \$0.0857 \$0.0877 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0451 \$0.0451 \$0.0374 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200 2,946,400
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco FSS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation Dominion Trans on DTI/Tennessee	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1103 \$0.0570 \$0.0374 Dec \$12,914 \$2,123 \$1,432	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Jan \$30,998 \$3,552 \$2,222	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0451 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721 \$2,673 \$2,005	9,100 0 18,300 0 134,400 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1131 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0104 \$0.0134 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0374	0 117,400 99,700 591,200 46,700 31,000 141,100 195,200 2,946,400 Total \$64,640 \$1,364 \$5,658
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400515 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee Tetco FSS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on Tetco/AGT Dominion Trans on Tetco/AGT Dominion Trans on Tetco/AGT Dominion Trans on Tetnesees	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,432 \$1,552	240,800 0 42,500 71,100 165,700 24,800 107,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$3,625	171,000 0 38,400 28,600 149,600 19,500 346,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721 \$2,673 \$2,073 \$2,073 \$3,276	9,100 0 18,300 0 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Mar \$1,007 \$2,016 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0450 \$0.0450 \$0.0374 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374 May	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Jun \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Aug \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0451 \$0.0374 \$ep \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0570 \$0.0374 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_40021 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco SS-1 Trans Columbia Trans Columbia Trans on Tennessee Tetco FSS-1 Trans Tetco TSS-1 Trans	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Nov	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,552 \$0	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$6,625 \$0.25 \$0.25 \$0.25 \$0.25 \$0.374	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721 \$2,673 \$2,005 \$3,205 \$3,205 \$3,205	9,100 0 18,300 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0401 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Aug \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0131 \$0.0374 Oct \$0.0850 \$0.0374	0 117,400 99,700 591,200 46,700 31,000 141,100 187,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658 \$10,014
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans  Dominion Trans on DTI/Tennessee Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Nov	141,700 0 18,200 0 141,500 2,400 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,552 \$0.936	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$3,625 \$5,527	171,000 0 38,400 28,600 19,500 346,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374 Feb \$19,721 \$2,673 \$2,005 \$3,276 \$0,4,708	9,100 0 18,300 0 0 134,400 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0101 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0863 \$0.1101 \$0.0374 \$0.0374 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0450 \$0.0431 \$0.0570 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658 \$10,014 \$0 \$13,171
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400221 TETCO 400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans  Olumbia Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco FSS-1 Trans	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,432 \$1,552 \$0,29,96 \$0,	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$3,625 \$0 \$5,527 \$1,415	171,000 0 38,400 28,600 19,500 346,100 13,300 50,000 67,100 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721 \$2,673 \$2,005 \$3,276 \$0 \$4,708 \$0 \$4,708 \$0 \$4,708 \$0 \$1,112	9,100 0 18,300 0 0 134,400 0 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Mar \$1,007 \$2,016 \$0 \$0,0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0450 \$0.0570 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Aug \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0374 \$ep \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 \$0.0374 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658 \$10,014 \$0 \$13,171 \$2,664
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_40021 TETCO 400185 GSS 300169 COL_FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco SS-1 Trans Columbia Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans on DTI/Tennessee Tennessee Transportation Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco TSS-1 Trans Tetco TSS-1 Trans Tetco TSS-1 Trans Tetcolumbia Trans	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Nov	141,700 0 18,200 0 141,500 2,400 224,100 235,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,552 \$2,936 \$13,782 \$1,623	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1150 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$3,625 \$5,527 \$1,415 \$2,850	171,000 0 38,400 28,600 149,600 19,500 346,100 67,100 60,200 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Feb \$119,721 \$2,673 \$2,005 \$3,276 \$3,276 \$4,708 \$1,112 \$2,515	9,100 0 18,300 0 0 134,400 0 0 0 0 0 0 0 0 0 0 0 0	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.01570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0374 Aug \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0150 \$0.01570 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0131 \$0.0570 \$0.0374	0 117,400 99,700 591,200 46,700 31,000 141,100 187,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658 \$10,014 \$5,658
GSS 300170 GSS 300170 GSS 300168 GSS 300171 GSS-TE 600045 TETCO_400515 TETCO_400515 TETCO_400515 TETCO_400185 GSS 300169 COL FSS 9630 TENN_62918 TOTAL  Storage Transportation Prices Tennessee Transportation Dominion Trans on Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Columbia Trans  Storage Transportation Costs Tennessee Transportation Dominion Trans on DTI/Tennessee Tetco SS-1 Trans Tetco FSS-1 Trans Tennessee Transportation Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tetco/AGT Dominion Trans on DTI/Tennessee Dominion Trans on DTI/Tennessee Tetco SS-1 Trans	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	141,700 0 18,200 0 141,500 2,400 224,100 0 35,700 43,400 9,700 616,700 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Dec \$12,914 \$2,123 \$1,432 \$1,432 \$1,552 \$0,29,96 \$0,	240,800 0 42,500 71,100 165,700 24,800 17,700 55,400 122,600 1,221,000 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374 Jan \$30,998 \$3,552 \$2,222 \$3,625 \$0 \$5,527 \$1,415	171,000 0 38,400 28,600 19,500 346,100 13,300 50,000 67,100 943,800 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0853 \$0.1104 \$0.0374 Feb \$19,721 \$2,673 \$2,005 \$3,276 \$0 \$4,708 \$0 \$4,708 \$0 \$4,708 \$0 \$1,112	9,100 0 18,300 0 0 134,400 0 0 0 0 400 2,700 164,900 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Mar \$1,007 \$2,016 \$0 \$0,0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0570 \$0.0374	\$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0131 \$0.0570 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0450 \$0.0570 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0374 \$0.0374	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 Aug \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0374 \$ep \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0.0853 \$0.0853 \$0.0150 \$0.0401 \$0.0853 \$0.1104 \$0.0374 \$0.0374 \$0.0374	0 117,400 99,700 591,200 46,700 974,400 31,000 141,100 187,100 195,200 2,946,400 Total \$64,640 \$10,364 \$5,658 \$10,014 \$0 \$13,171 \$2,664

Total cost

**Total All LNG Costs** 

### NATIONAL GRID - RI SERVICE AREA LNG Estimate for 2010 - 2011 NOVEMBER 2010 - OCTOBER 2011

\$126,411 \$688,360 \$130,829 \$118,081

08/04/2010 NYMEX	Nov \$4.909	Dec \$5.149	Jan \$5.285	Feb \$5.252	Mar \$5.152	Apr \$4.982	May \$4.997	Jun \$5.034	Jul \$5.088	Aug \$5.132	Sep \$5.155	Oct \$5.23		
Trucking Delivered Cost - FLS contract														
Delivered Cost 1 20 contract												ļ		
Basis FLS contract TGP Zone 6														
Delivered Cost - FLS contract														
Basis New England Spot LNG	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.00		
Delivered Cost - FCS contract	\$6.009	\$6.249	\$6.385	\$6.352	\$6.252	\$6.082	\$6.097	\$6.134	\$6.188	\$6.232	\$6.255	\$6.33		
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
Combined LNG Inv														
Beginning Inv Vol Vol Injected - FLS winter	906,000 18.800	906,000 0	803,400 0	783,900 0	766,300 0	746,800 0	818,000 0	891,500 0	906,000	906,000		906,00		
Vol Injected - FLS summer	0	0	0	0	0	90,000	93,000	33,300	19,500	19,500	-	19,50		
Vol Injected - Spot LNG	0	0	0	0	0	0	0	0	0	0	-			
Vol Withdrawn	18,800	102,600	19,500	17,600	19,500	18,800	19,500	18,800	19,500	19,500	18,800	19,50		
Begining Inv \$ 8/2/10 = \$6.724	\$6.091.944	\$6.078.502	\$5.390.142	\$5.259.313	\$5.141.232	\$5.010.403	\$5.593.651	\$6.194.727	\$6.328.294	\$6.347.855	\$6.367.853	\$6.387.15		
\$ Injected	\$112,969	\$0	\$0	\$0	\$0	\$709,380	\$734,421	\$264,202	\$155,766	\$156,624		\$158,63		
\$ Withdrawn	\$126,411	\$688,360	\$130,829	\$118,081	\$130,829	\$126,132	\$133,345	\$130,635	\$136,205	\$136,626	\$132,136	\$137,47		
Ending Vol	906.000	803.400	783.900	766.300	746.800	818.000	891.500	906.000	906.000	906.000	906.000	906,00		
Ending \$	\$6,078,502	\$5,390,142	,	/	\$5,010,403	\$5,593,651	\$6,194,727	\$6,328,294	\$6,347,855		\$6,387,151	\$6,408,31		
Avg \$/Dth														
Newport	_	_	_	_	_	_	_	_	_	_	_			
Newport LNG Vol Vapor Avg \$/Dth	0	0	0	0	0	0	0	0	0	0	0			
Total cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		

\$130,829 \$126,132 \$133,345 \$130,635 \$136,205 \$136,626 \$132,136 \$137,472

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#### **PRELIMINARY**

12 Month Forward Pricing

# National Grid Summary of Transportation Capacity Release Pipeline Path Availability and Pricing November 2010 - October 2011

**PRELIMINARY** 

Path to City Gate	As of 8/1/10 Existing Releases	Total Available	Remaining Available	Cost /Dth	New Credit/ Surcharge	Old Credit / Surcharge
Company Weighted Average				\$0.968		
Tennessee Zone 1	7,723	8,000	277	\$1.005	(\$0.037)	(\$0.036)
Algonquin @ Lambertville, NJ	2,714	2,714	0	\$0.782	\$0.185	\$0.093
Texas Eastern - South Texas Algonquin @ Lambertville, NJ	4,027	4,044	17	\$1.345	(\$0.378)	(\$0.056)
Texas Eastern - West La Algonquin @ Lambertville, NJ	7,824	8,000	176	\$1.212	(\$0.244)	(\$0.243)
Texas Eastern - East La Algonquin @ Lambertville, NJ	5,476	5,500	24	\$1.138	(\$0.170)	(\$0.164)
Columbia (Maumee/Downington) at 5:1 ratio**	764	1,000	236	\$0.687	\$0.281	\$0.159
Totals	28,528	29,258	730			

<sup>\*\*</sup> Note: Marketers selecting this path are assigned 5/6 of the amount selected at the Maumee, Ohio receipt point into Columbia and 1/6 at the Downington, Pa. Receipt into Columbia.

TOTAL PATH COST

\$/Dth

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Gas Year 2010 - 2011
TEXAS EASTERN SOUTH TEXAS SUPPLY PATH COST MATRIX
CITY GATE DELIVERED MDQ = 4,044

#### **UNIT PRICING**

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO STX SUPPLY ZONE DEMAND	\$/Dth	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81	
TECCO WLA SUPPLY ZONE DEMAND	\$/Dth	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	
TETCO ELA SUPPLY ZONE DEMAND	\$/Dth	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	
TETCO STX M1 TO M3 DEMAND	\$/Dth	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	
ALGONQUIN AFT-E DEMAND	\$/Dth	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	
VARIABLE														
TETCO USAGE STX TO M3	\$/Dth	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	\$0.084	
ALGONQUIN USAGE	\$/Dth	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	
08/04/2010 NYMEX	\$/Dth	\$4.909	\$5.149	\$5.285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
SUPPLY AREA BASIS	\$/Dth													
NET COST AFTER BASIS	\$/Dth													
				В	ILLING UNITS	3								
FIXED														
TETCO STX SUPPLY ZONE DEMAND	\$/Dth	4,078	4,099	4,099	4,099	4,099	4,078	4,078	4,078	4,078	4,078	4,078	4,078	
TECCO WLA SUPPLY ZONE DEMAND	\$/Dth	4,078	4,099	4,099	4,099	4,099	4,078	4,078	4,078	4,078	4,078	4,078	4,078	
TETCO ELA SUPPLY ZONE DEMAND	\$/Dth	4,078	4,099	4,099	4,099	4,099	4,078	4,078	4,078	4,078	4,078	4,078	4,078	
TETCO STX M1 TO M3 DEMAND	\$/Dth	4,078	4,099	4,099	4,099	4,099	4,078	4,078	4,078	4,078	4,078	4,078	4,078	
ALGONQUIN AFT-E DEMAND	\$/Dth	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	48,528
VARIABLE														
TETCO USAGE STX TO M3	Dth	132,211	139,022	139,022	125,568	139,022	132,211	136,618	132,211	136,618	136,618	132,211	136,618	1,617,946
ALGONQUIN USAGE	Dth	122,348	127,080	127,080	114,782	127,080	122,348	126,426	122,348	126,426	126,426	122,348	126,426	1,491,115
PURCHASE VOLUMES	Dth	132,211	139,022	139,022	125,568	139,022	132,211	136,618	132,211	136,618	136,618	132,211	136,618	1,617,946
DELIVERED VOLUMES	Dth	121,320	125,364	125,364	113,232	125,364	121,320	125,364	121,320	125,364	125,364	121,320	125,364	1,476,060
TETOO OTY MA TO MO FUEL	0.4	7.400/	0.500/	0.500/	0.500/	0.500/	7.400/	7.400/	7.400/	7 400/	7 400/	7.400/	7.400/	
TETCO STX M1 TO M3 FUEL	% %	7.46% 0.84%	8.59%	8.59% 1.35%	8.59% 1.35%	8.59% 1.35%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	
ALGONQUIN AFT-E FUEL	%	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
FIXED														
TETCO STX SUPPLY ZONE DEMAND	\$	\$27.753	\$27.896	\$27.896	\$27.896	\$27.896	\$27,753	\$27,753	\$27,753	\$27.753	\$27.753	\$27.753	\$27.753	\$333.604
TECCO WLA SUPPLY ZONE DEMAND	\$	\$11.521	\$11.581	\$11.581	\$11.581	\$11,581	\$11,521	\$11.521	\$11.521	\$11.521	\$11,521	\$11.521	\$11.521	\$138,491
TETCO ELA SUPPLY ZONE DEMAND	\$	\$9.686	\$9.736	\$9.736	\$9,736	\$9.736	\$9,686	\$9.686	\$9,686	\$9.686	\$9,686	\$9.686	\$9.686	\$116,431
TETCO STX M1 TO M3	\$	\$45.844	\$46,081	\$46,081	\$46.081	\$46,081	\$45,844	\$45,844	\$45,844	\$45.844	\$45,844	\$45,844	\$45,844	\$551.072
ALGONQUIN AFT-E	\$	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$24,171	\$290,057
VARIABLE	Ψ	ΨΣ-1,171	Ψ2-4,171	Ψ2-1,171	Ψ2-1,171	Ψ2-1,171	Ψ2-1,171	Ψ2-1,17-1	Ψ2-4,171	Ψ2-1,171	Ψ2-1,171	Ψ2-1,171	Ψ2-1,17-1	Ψ200,001
TETCO USAGE STX TO M3	\$	\$11,145	\$11,720	\$11,720	\$10,585	\$11,720	\$11,145	\$11,517	\$11,145	\$11,517	\$11,517	\$11,145	\$11,517	\$136,393
ALGONQUIN USAGE	\$	\$1,603	\$1,665	\$1,665	\$1,504	\$1,665	\$1,603	\$1,656	\$1,603	\$1,656	\$1,656	\$1,603	\$1,656	\$19,534
PURCHASE COST	\$	\$623,730	\$686,933	\$705,340	\$634,683	\$686,391	\$633,818	\$655,177	\$635,682	\$665,492	\$672,842	\$657,563	\$691,149	\$7,948,799
	*	*******	*****	4,	****	*****	***************************************	*****	*****	*****	<b>4</b> 01 =,0 1=	*****	************	41,010,10
TOTAL FIXED	\$	\$118,975	\$119,465	\$119,465	\$119,465	\$119,465	\$118,975	\$118,975	\$118,975	\$118,975	\$118,975	\$118,975	\$118,975	\$1,429,655
TOTAL VARIABLE	\$	\$636,478	\$700,317	\$718,724	\$646,772	\$699,775	\$646,566	\$668,350	\$648,430	\$678,665	\$686,015	\$670,311	\$704,322	\$8,104,725
		•	-	•	•	-	-	-		-	•	-	•	
DELIVERED COST AT NYMEX	\$	\$595,560	\$645,499	\$662,549	\$594,694	\$645,875	\$604,416	\$626,444	\$610,725	\$637,852	\$643,368	\$625,405	\$656,281	\$7,548,668
NET NON-GAS VARIABLE COST	\$	\$40,918	\$54,818	\$56,175	\$52,077	\$53,900	\$42,150	\$41,906	\$37,705	\$40,813	\$42,647	\$44,906	\$48,041	\$556,057
AVERAGE NON-GAS VARIABLE COST	\$/Dth	\$0.337	\$0.437	\$0.448	\$0.460	\$0.430	\$0.347	\$0.334	\$0.311	\$0.326	\$0.340	\$0.370	\$0.383	\$0.377
													_	
AVERAGE FIXED COST	\$/Dth													
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth													

TOTAL PATH COST

Attachment EDA-4 Docket 4199 October 14, 2010

Gas Year 2010 - 2011
TEXAS EASTERN WEST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 8,000

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TEXAS EASTERN WEST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE  CITY GATE DELIVERED MDQ = 8,000 UNIT PRICING														
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED					_	_	_	_	_	_	_	_	_	
TETCO WLA SUPPLY ZONE DEMAND	\$/Dth	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	\$2.83	
TETCO ELA SUPPLY ZONE DEMAND	\$/Dth	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	
TETCO WLA M1 TO M3 DEMAND	\$/Dth	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	
ALGONQUIN AFT-E DEMAND VARIABLE	\$/Dth	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	
TETCO USAGE WLA TO M3	\$/Dth	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	
ALGONQUIN USAGE	\$/Dth	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	\$0.081	
08/04/2010 NYMEX	\$/Dth	\$4.91	\$5.15	\$5.29	\$5.25	\$5.15	\$4.98	\$5.00	\$5.03	\$5.09	\$5.13	\$5.16	\$5.24	
SUPPLY AREA BASIS	\$/Dth	ψ <del>4</del> .91	φ3.13	ψJ.29	ψ3.23	φυ. 15	ψ <del>4</del> .90	φ5.00	φ5.05	\$5.09	φυ. 15	φ5.10	ψJ.24	
NET COST AFTER BASIS	\$/Dth													
NET GOOT AT TEX BAGIO	φιστι													
					BILLING UNIT	s								
FIXED	5.1		0.45-											
TETCO WLA SUPPLY ZONE DEMAND	Dth	8,068	8,109	8,109	8,109	8,109	8,068	8,068	8,068	8,068	8,068	8,068	8,068	
TETCO ELA SUPPLY ZONE DEMAND	Dth	8,068	8,109	8,109	8,109	8,109	8,068	8,068	8,068	8,068	8,068	8,068	8,068	
TETCO WLA M1 TO M3 DEMAND	Dth	8,068	8,109	8,109	8,109	8,109	8,068	8,068	8,068	8,068	8,068	8,068	8,068	
ALGONQUIN AFT-E DEMAND VARIABLE	Dth	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	96,000
TETCO USAGE WLA TO M3	Dth	259.636	272,336	272.336	245,981	272,336	259,636	268,291	259.636	268.291	268,291	259,636	268,291	3.174.700
ALGONQUIN USAGE	Dth	242,033	251,394	251,394	245,961	251,394	242,033	250,101	242,033	250,101	250,101	242,033	250,101	2,949,783
PURCHASE VOLUMES	Dth	259.636	272,336	272.336	245.981	272,336	259,636	268,291	259.636	268.291	268,291	259,636	268.291	3,174,700
DELIVERED VOLUMES	Dth	240,000	248,000	248,000	224,000	248,000	240,000	248,000	240.000	248.000	248,000	240,000	248,000	2,920,000
DELIVERED VOLUMES	Dill	240,000	240,000	240,000	224,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	2,920,000
				I	FUEL USE %									
TETCO WLA M1 TO M3 FUEL	%	6.78%	7.69%	7.69%	7.69%	7.69%	6.78%	6.78%	6.78%	6.78%	6.78%	6.78%	6.78%	
ALGONQUIN AFT-E FUEL	%	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
FIXED	_													
TETCO WLA SUPPLY ZONE	\$	\$22,791	\$22,909	\$22,909	\$22,909	\$22,909	\$22,791	\$22,791	\$22,791	\$22,791	\$22,791	\$22,791	\$22,791	\$273,969
TETCO ELA SUPPLY ZONE DEMAND	\$	\$19,161	\$19,260	\$19,260	\$19,260	\$19,260	\$19,161	\$19,161	\$19,161	\$19,161	\$19,161	\$19,161	\$19,161	\$230,328
TETCO WLA M1 TO M3	\$	\$90,690	\$91,159	\$91,159	\$91,159	\$91,159	\$90,690	\$90,690	\$90,690	\$90,690	\$90,690	\$90,690	\$90,690	\$1,090,153
ALGONQUIN AFT-E	\$	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$47,817	\$573,802
VARIABLE TETCO USAGE WLA TO M3	\$	\$20.901	\$21,923	\$21,923	\$19,801	\$21,923	\$20,901	\$21,597	\$20.901	\$21.597	\$21,597	\$20,901	\$21,597	\$255.563
ALGONQUIN USAGE	\$ \$	\$3.171	\$3.293	\$3.293	\$2.975	\$3,293	\$3,171	\$3,276	\$3,171	\$3.276	\$3,276	\$3,171	\$3,276	\$38.642
PURCHASE COST	\$ \$	\$1,257,341	\$1,383,687	\$1,420,643	\$1,275,315	\$3,293 \$1,384,450	\$3,171 \$1,274,581	\$1,320,448	\$1,286,447	\$1,344,191	\$1,356,426	\$1,319,576	\$1,385,401	\$16,008,506
TOROTAGE GOOT	Ψ	ψ1,237,341	ψ1,303,007	ψ1, <del>4</del> 20,043	ψ1,273,313	ψ1,504,450	ψ1,274,501	ψ1,320,440	\$1,200,447	ψ1,544,151	ψ1,550,420	ψ1,515,570	ψ1,303,401	ψ10,000,500
TOTAL FIXED	\$	\$180,459	\$181,145	\$181,145	\$181,145	\$181,145	\$180,459	\$180,459	\$180,459	\$180,459	\$180,459	\$180,459	\$180,459	\$2,168,251
TOTAL VARIABLE	\$	\$1,281,413	\$1,408,904	\$1,445,860	\$1,298,091	\$1,409,666	\$1,298,653	\$1,345,321	\$1,310,518	\$1,369,065	\$1,381,299	\$1,343,648	\$1,410,275	\$16,302,712
DELIVERED VOLUMES AT NYMEX	\$	\$1,178,160	\$1,276,952	\$1,310,680	\$1,176,448	\$1,277,696	\$1,195,680	\$1,239,256	\$1,208,160	\$1,261,824	\$1,272,736	\$1,237,200	\$1,298,280	\$14,933,072
NET NON-GAS VARIABLE COST	\$	\$103,253	\$131,952	\$135,180	\$121,643	\$131,970	\$102,973	\$106,065	\$102,358	\$107,241	\$108,563	\$106,448	\$111,995	\$1,369,640
AVERAGE NON-GAS VARIABLE COST	\$/Dth	\$0.43	\$0.53	\$0.55	\$0.54	\$0.53	\$0.43	\$0.43	\$0.43	\$0.43	\$0.44	\$0.44	\$0.45	\$0.47
AVERAGE FIVER COST	A/Dul-													
AVERAGE FIXED COST	\$/Dth													
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth													

\$/Dth

Gas Year 2010 - 2011
TEXAS EASTERN EAST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 5,500
UNIT PRICING

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CITY GATE DELIVERED MDQ	= 5,500			U	NIT PRICING									
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO ELA SUPPLY ZONE DEMAND	\$/Dth	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38	
TETCO ELA M1 TO M3 DEMAND	\$/Dth	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	\$11.24	
ALGONQUIN AFT-E DEMAND	\$/Dth	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	
VARIABLE														
TETCO USAGE ELA TO M3	\$/Dth	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	\$0.079	
ALGONQUIN USAGE	\$/Dth	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	
08/04/2010 NYMEX SUPPLY AREA BASIS	\$/Dth	\$4.909	\$5.149	\$5.285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
NET COST AFTER BASIS	\$/Dth \$/Dth													
NET COST AFTER BASIS	<b>Φ/D</b> (I)													
				В	ILLING UNITS	S								
FIXED														
TETCO ELA SUPPLY ZONE DEMAND	Dth	5,547	5,575	5,575	5,575	5,575	5,547	5,547	5,547	5,547	5,547	5,547	5,547	
TETCO ELA M1 TO M3 DEMAND	Dth	5,547	5,575	5,575	5,575	5,575	5,547	5,547	5,547	5,547	5,547	5,547	5,547	
ALGONQUIN AFT-E DEMAND	Dth	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	66,000
VARIABLE TETCO USAGE ELA TO M3	Dth	477.000	400 404	400 404	400 202	400 404	477.000	402.020	477.000	402.020	402.020	477.000	402.020	0.474.040
ALGONQUIN USAGE	Dth Dth	177,908 166.398	186,424 172,833	186,424 172.833	168,383 156,107	186,424 172,833	177,908 166,398	183,839 171,944	177,908 166,398	183,839 171.944	183,839 171,944	177,908 166,398	183,839 171,944	2,174,642 2,027,975
PURCHASE VOLUMES	Dth	177,908	186,424	186,424	168,383	186,424	177,908	183,839	177,908	183,839	183,839	177,908	183,839	2,174,642
DELIVERED VOLUMES	Dth	165,000	170,500	170,500	154,000	170,500	165,000	170,500	165,000	170,500	170,500	165,000	170,500	2,007,500
BEETTE TO SOME	2	.00,000	,	,,,,,	.0.,000	1.0,000	100,000	,,,,,,	100,000	,,,,,	,,,,,	100,000	,,,,,	2,001,000
				F	UEL USE %									
TETCO ELA M1 TO M3 FUEL	%	6.47%	7.29%	7.29%	7.29%	7.29%	6.47%	6.47%	6.47%	6.47%	6.47%	6.47%	6.47%	
ALGONQUIN AFT-E FUEL	%	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
FIXED														
TETCO ELA SUPPLY ZONE	\$	\$13,173	\$13,241	\$13,241	\$13,241	\$13,241	\$13,173	\$13,173	\$13,173	\$13,173	\$13,173	\$13,173	\$13,173	\$158,350
TETCO ELA M1 TO M3	\$	\$62,349	\$62,672	\$62,672	\$62,672	\$62,672	\$62,349	\$62,349	\$62,349	\$62,349	\$62,349	\$62,349	\$62,349	\$749,480
ALGONQUIN AFT-E	\$	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$32,874	\$394,489
VARIABLE TETCO USAGE ELA TO M3	\$	\$14.037	\$14,709	\$14,709	\$13,285	\$14,709	\$14,037	\$14,505	\$14,037	\$14,505	\$14,505	\$14,037	\$14,505	\$171,579
ALGONQUIN USAGE	\$ \$	\$14,037 \$2,180	\$14,709	\$14,709	\$13,285	\$14,709 \$2,264	\$14,037	\$14,505 \$2,252	\$14,037	\$14,505 \$2,252	\$14,505	\$14,037	\$14,505	\$171,579 \$26,566
PURCHASE COST	\$	\$868,567	\$954,116	\$979,357	\$879,428	\$954,619	\$880,504	\$912,152	\$888,599	\$928,422	\$936,805	\$911,336	\$956,678	\$11,050,584
1 CHOINGE GOOT	Ψ	φοσο,σσ <i>ι</i>	φου, 110	ψοι ο,σοι	ψ070,420	ψ504,015	φοσο,σσ-	ψ512,102	ψοσο,σσσ	ψ020,422	ψοσο,σσσ	ψο 11,000	ψοσο,στο	Ψ11,000,004
TOTAL FIXED	\$	\$108,396	\$108,787	\$108,787	\$108,787	\$108,787	\$108,396	\$108,396	\$108,396	\$108,396	\$108,396	\$108,396	\$108,396	\$1,302,319
TOTAL VARIABLE	\$	\$884,783	\$971,089	\$996,330	\$894,759	\$971,592	\$896,721	\$928,910	\$904,816	\$945,180	\$953,563	\$927,553	\$973,436	\$11,248,730
DELIVERED VOLUMES AT NYMEX	\$	\$809,985	\$877,905	\$901,093	\$808,808	\$878,416	\$822,030	\$851,989	\$830,610	\$867,504	\$875,006	\$850,575	\$892,568	\$10,266,487
NET NON-GAS VARIABLE COST	\$	\$74,798	\$93,184	\$95,238	\$85,951	\$93,176	\$74,691	\$76,921	\$74,206	\$77,676	\$78,557	\$76,978	\$80,868	\$982,243
AVERAGE NON-GAS VARIABLE COST	\$/Dth	\$0.453	\$0.547	\$0.559	\$0.558	\$0.546	\$0.453	\$0.451	\$0.450	\$0.456	\$0.461	\$0.467	\$0.474	\$0.489
AVERAGE FIXED COST	\$/Dth													
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth													
	φ/Β(1)													

\$/Dth

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Gas Year 2010 - 2011 MAUMEE/DOWNINGTON COLUMBIA PATH TO CITY GATE CITY GATE DELIVERED MDQ = 1,000

#### **UNIT PRICING**

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED	6/Dul-	<b>#0.07</b> 5	60.075	<b>60.07</b> 5	<b>#0.07</b> 5	60.075	60.075	<b>#0.07</b> F	<b>60.075</b>	<b>#0.07</b> F	00.075	<b>#0.07</b> 5	<b>#0.07</b> F	
COLUMBIA FTS DEMAND ALGONQUIN DEMAND	\$/Dth \$/Dth	\$6.075 \$5.98												
VARIABLE	\$/Dth	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	ф5.98	\$5.98	ф5.98	
COLUMBIA USAGE	\$/Dth	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	
ALGONQUIN USAGE	\$/Dth	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	\$0.023	
08/04/2010 NYMEX	\$/Dth	\$4.909	\$5.149	\$5.285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
SUPPLY BASIS MAUMEE	\$/Dth	Ų 1.000	ψο. τ το	ψο.200	ψ0.202	ψ0.10 <u>2</u>	ψ 1.00 <u>2</u>	ψσσ.	φοίσο 1	φ0.000	ψ0.10 <u>2</u>	φοιτου	ψ0.200	
SUPPLY BASIS DOWNINGTON	\$/Dth													
NET COST AFTER BASIS MAUMEE	\$/Dth													
NET COST AFTER BASIS DOWNINGTON	\$/Dth													
				В	ILLING UNITS	6								
FIXED														
COLUMBIA FTS DEMAND	Dth	1,021	1,021	1,021	1,021	1,021	1,021	1,021	1,021	1,021	1,021	1,021	1,021	
ALGONQUIN DEMAND	Dth	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
VARIABLE														
COLUMBIA USAGE	Dth	30,254	31,424	31,424	28,383	31,424	30,254	31,263	30,254	31,263	31,263	30,254	31,263	
ALGONQUIN USAGE	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	
PURCHASE VOLUMES MAUMEE	Dth	25,212	26,187	26,187	23,653	26,187	25,212	26,052	25,212	26,052	26,052	25,212	26,052	
PURCHASE VOLUMES DOWNINGTON	Dth	5,042	5,237	5,237	4,731	5,237	5,042	5,210	5,042	5,210	5,210	5,042	5,210	
DELIVERED VOLUMES MAUMEE	Dth	25,000	25,833	25,833	23,333	25,833	25,000	25,833	25,000	25,833	25,833	25,000	25,833	304,167
DELIVERED VOLUMES DOWNINGTON	Dth	5,000	5,167	5,167	4,667	5,167	5,000	5,167	5,000	5,167	5,167	5,000	5,167	60,833
					UEL USE %									
COLUMBIA FUEL	%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
ALGONQUIN AFT-E FUEL	%	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
FIXED														
COLUMBIA FTS DEMAND	\$	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$6,203	\$74,435
ALGONQUIN DEMAND	\$	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$5,977	\$71,725
VARIABLE														
COLUMBIA USAGE	\$	\$741	\$770	\$770	\$695	\$770	\$741	\$766	\$741	\$766	\$766	\$741	\$766	\$9,034
ALGONQUIN USAGE	\$	\$393	\$406	\$406	\$367	\$406	\$393	\$406	\$393	\$406	\$406	\$393	\$406	\$4,782
PURCHASE COST MAUMEE	\$	\$126,916	\$138,751	\$142,420	\$127,601	\$138,950	\$128,482	\$133,345	\$130,305	\$135,953	\$136,902	\$132,737	\$139,163	\$1,611,525
PURCHASE COST DOWNINGTON	\$	\$26,820	\$31,101	\$33,479	\$29,905	\$29,521	\$26,802	\$27,776	\$27,260	\$28,392	\$28,535	\$27,535	\$28,818	\$345,943
TOTAL FIXED	\$	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$12,180	\$146,160
TOTAL VARIABLE	\$	\$154,871	\$171,028	\$177,075	\$158,568	\$169,647	\$156,418	\$162,293	\$158,699	\$165,517	\$166,609	\$161,407	\$169,153	\$1,971,284
DELIVERED VOLUMES AT NYMEX	\$	\$147,270	\$159,619	\$163,835	\$147,056	\$159,712	\$149,460	\$154,907	\$151,020	\$157,728	\$159,092	\$154,650	\$162,285	\$1,866,634
NET NON-GAS VARIABLE COST	\$	\$7,601	\$11,409	\$13,240	\$11,512	\$9,935	\$6,958	\$7,386	\$7,679	\$7,789	\$7,517	\$6,757	\$6,868	\$104,650
AVERAGE NON-GAS VARIABLE COST	\$/Dth	\$0.253	\$0.368	\$0.427	\$0.411	\$0.320	\$0.232	\$0.238	\$0.256	\$0.251	\$0.242	\$0.225	\$0.222	\$0.287
AVERAGE FIXED COST	\$/Dth													
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth													

\$/Dth

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Gas Year 2010 - 2011 TENNESSEE ZONE 1 TO CITY GATE CITY GATE DELIVERED MDQ = 8,000 Page 6 of 18

CITY GATE DELIVERED MDQ	= 8,000	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED TENNESSEE ZONE 1 TO 6 DEMAND VARIABLE	\$/Dth	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	\$15.599	
TENNESSE ZONE 1 TO 6 USAGE 08/04/2010 NYMEX SUPPLY AREA BASIS	\$/Dth \$/Dth \$/Dth	\$0.152 \$4.909	\$0.152 \$5.149	\$0.152 \$5.285	\$0.152 \$5.252	\$0.152 \$5.152	\$0.152 \$4.982	\$0.152 \$4.997	\$0.152 \$5.034	\$0.152 \$5.088	\$0.152 \$5.132	\$0.152 \$5.155	\$0.152 \$5.235	
NET COST AFTER BASIS	\$/Dth													
FIXED TENNESSEE ZONE 1 TO 6 DEMAND VARIABLE	Dth	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	96,000
TENNESSE ZONE 1 TO 6 USAGE	Dth Dth	260,360	269,039	269,039	243,003	269,039	257,152	265,724	257,152	265,724	265,724	257,152	265,724	3,144,831
PURCHASE VOLUMES DELIVERED VOLUMES	Dth Dth	260,360 240,000	269,039 248,000	269,039 248,000	243,003 224,000	269,039 248,000	257,152 240,000	265,724 248,000	257,152 240,000	265,724 248,000	265,724 248,000	257,152 240,000	265,724 248,000	3,144,831 2,920,000
TENNESSEE ZONE 1 TO 6 FUEL	%	7.82%	7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	
FIVED					TRANSPORT	ATION COST								
FIXED TENNESSEE ZONE 1 TO 6 DEMAND VARIABLE	\$	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$124,788	\$1,497,456
TENNESSE ZONE 1 TO 6 USAGE PURCHASE COST	\$ \$	\$39,627 \$1,264,413	\$40,948 \$1,369,381	\$40,948 \$1,405,567	\$36,985 \$1,262,327	\$40,948 \$1,370,107	\$39,139 \$1,265,779	\$40,443 \$1,311,028	\$39,139 \$1,276,760	\$40,443 \$1,334,199	\$40,443 \$1,346,290	\$39,139 \$1,310,241	\$40,443 \$1,375,546	\$478,643 \$15,891,637
TOTAL FIXED TOTAL VARIABLE	\$ \$	\$124,788 \$1,304,040	\$124,788 \$1,410,328	\$124,788 \$1,446,514	\$124,788 \$1,299,312	\$124,788 \$1,411,055	\$124,788 \$1,304,918	\$124,788 \$1,351,471	\$124,788 \$1,315,898	\$124,788 \$1,374,642	\$124,788 \$1,386,733	\$124,788 \$1,349,380	\$124,788 \$1,415,989	\$1,497,456 \$16,370,280
DELIVERED VOLUMES AT NYMEX NET NON-GAS VARIABLE COST AVERAGE NON-GAS VARIABLE COST	\$ \$ \$/Dth	\$1,178,160 \$125,880 <b>\$0.524</b>	\$1,276,952 \$133,376 <b>\$0.538</b>	\$1,310,680 \$135,834 <b>\$0.548</b>	\$1,176,448 \$122,864 <b>\$0.548</b>	\$1,277,696 \$133,359 <b>\$0.538</b>	\$1,195,680 \$109,238 <b>\$0.455</b>	\$1,239,256 \$112,215 <b>\$0.452</b>	\$1,208,160 \$107,738 <b>\$0.449</b>	\$1,261,824 \$112,818 <b>\$0.455</b>	\$1,272,736 \$113,997 <b>\$0.460</b>	\$1,237,200 \$112,180 <b>\$0.467</b>	\$1,298,280 \$117,709 <b>\$0.475</b>	\$14,933,072 \$1,437,208 <b>\$0.492</b>
AVERAGE FIXED COST AVERAGE COST AT 100% LOAD FACTOR	\$/Dth \$/Dth													

\$/Dth

Gas Year 2010 - 2011
ALGONQUIN LAMBERTVILLE TO CITY GATE
CITY GATE DELIVERED MDQ = 2,714

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CITY GATE DELIVERED MDQ	= 2,714													
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
ALGONQUIN AFT-E DEMAND VARIABLE	\$/Dth	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	\$5.98	
ALGONQUIN AFT-E USAGE	\$/Dth	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	\$0.013	
08/04/2010 NYMEX	\$/Dth	\$4.909	\$5.149	\$5,285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
SUPPLY AREA BASIS	\$/Dth		•	•	•					******	**	**		
NET COST AFTER BASIS	\$/Dth													
	•													
				В	ILLING UNITS	3								
FIXED														
ALGONQUIN AFT-E DEMAND	Dth	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	32,568
VARIABLE														
ALGONQUIN AFT-E USAGE	Dth	82,110	85,285	85,285	77,032	85,285	82,110	84,847	82,110	84,847	84,847	82,110	84,847	1,000,714
PURCHASE VOLUMES	Dth	82,110	85,285	85,285	77,032	85,285	82,110	84,847	82,110	84,847	84,847	82,110	84,847	1,000,714
DELIVERED VOLUMES	Dth	81,420	84,134	84,134	75,992	84,134	81,420	84,134	81,420	84,134	84,134	81,420	84,134	990,610
ALGONQUIN AFT-E FUEL	%	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
				т	RANSPORTA	TION COST								
FIXED				•	TOTAL STATE	11011 0001								
ALGONQUIN AFT-E DEMAND	\$	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$194.662
VARIABLE	•	<b>*</b> · · · ,===	<b>4</b> · · · · · · · · · · · · · · · · · · ·	* ,	* ,	<b>*</b> · • ,====	* ,	* ,	*,	* ,	<b>4</b> · · · · · · · · · · · · · · · · · · ·	* ,	¥ : = ,===	<b>4</b> ,
ALGONQUIN AFT-E USAGE	\$	\$1,076	\$1,117	\$1,117	\$1,009	\$1,117	\$1,076	\$1,111	\$1,076	\$1,111	\$1,111	\$1,076	\$1,111	\$13,109
PURCHASE COST	\$	\$436,742	\$506,441	\$545,170	\$486,973	\$480,719	\$436,446	\$452,301	\$443,902	\$462,330	\$464,663	\$448,385	\$469,270	\$5,633,341
	*	*	*****	*******	*,	*	<b>V</b> 100, 110	¥ :-=,:	*	¥,	*,	<b>4</b> 1 10,000	¥ :,=: -	**,****
TOTAL FIXED	\$	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$16,222	\$194,662
TOTAL VARIABLE	\$	\$437,817	\$507,559	\$546,287	\$487,982	\$481,837	\$437,522	\$453,412	\$444,977	\$463,441	\$465,775	\$449,460	\$470,382	\$5,646,450
DELIVERED VOLUMES AT NYMEX	\$	\$399,691	\$433,206	\$444,648	\$399,110	\$433,458	\$405,634	\$420,418	\$409,868	\$428,074	\$431,776	\$419,720	\$440,441	\$5,066,045
NET NON-GAS VARIABLE COST	\$	\$38,126	\$74,353	\$101,639	\$88,872	\$48,378	\$31,887	\$32,995	\$35,109	\$35,367	\$33,999	\$29,740	\$29,940	\$580,406
AVERAGE NON-GAS VARIABLE COST	\$/Dth	\$0.468	\$0.884	\$1.208	\$1.169	\$0.575	\$0.392	\$0.392	\$0.431	\$0.420	\$0.404	\$0.365	\$0.356	\$0.586
AVERAGE FIXED COST	\$/Dth													
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth													

#### CALCULATION OF SYSTEM WEIGHTED AVERAGE DEMAND COSTS

#### 2010 - 2011 GCR PROJECTED PRICES

August 1, 2010 Update

**UNIT PRICES** 

PIPELINE FIXED COST UNIT PRICES   ALGONQUIN AFT-E/AFT-1 DEMAND   S/Dth   \$5.977
ALGONQUIN AFT-E/AFT-1 DEMAND \$/Dth \$5.977 \$5
ALGONQUIN AFT-3 DEMAND \$/Dth \$10.755 \$
ALGONQUIN AFT-ES/1S DEMAND \$/Dth \$2.391 \$2.3
TEXAS EASTERN STX CDS DEMAND M3 \$/Dth \$6.805
TEXAS EASTERN WLA CDS DEMAND M3 \$/Dth \$2.825
TEXAS EASTERN ELA CDS DEMAND M3 \$/Dth \$2.375
TEXAS EASTERN ETX CDS DEMAND M3         \$\( \)Dth         \$2.189         \$2.
TETCO FTS DEMAND \$/Dth \$5.350
TETCO M1 TO M3 DEMAND M3 \$/Dth \$11.241
TETCO SCT STX DEMAND         \$/Dth         \$2.722
TETCO SCT WLA DEMAND \$/Dth \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.00 \$1.130 \$1.1
TETCO SCT ELA DEMAND \$/Dth \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950
TETCO SCT ETX DEMAND \$/Dth \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876
TETCO SCT DEMAND 1-3 \$/Dth \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497 \$4.497
TETCO SCT STX DEMAND M2 \$/Dth \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722 \$2.722
TETCO SCT WLA DEMAND M2 \$/Dth \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130 \$1.130
TETCO SCT ELA DEMAND M2 \$/Dth \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950 \$0.950
TETCO SCT ETX DEMAND M2 \$/Dth \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876 \$0.876
TETCO SCT DEMAND 1-2 \$/Dth \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415 \$3.415
TENNESSEE FT-A DEMAND ZONE 0 TO 6 \$/Dth \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654
TENNESSEE FT-A DEMAND ZONE 1 TO 6 \$/Dth \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654 \$15.654
TENNESSEE FT-A DEMAND ZONE 0 TO 6 \$/Dth \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599
TENNESSEE FT-A DEMAND ZONE 1 TO 6 \$/Dth \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599 \$15.599
TENNESSEE DRACUT \$/Dth \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160 \$3.160
TENNESSEE FT-A DEMAND ZONE 5 TO 6 \$/Dth \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930 \$4.930
TENNESSEE CONNEXION \$/Dth \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737 \$22.737
NETNE \$/Dth \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610 \$10.610
IROQUOIS \$/Dth \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597 \$6.597
NOVA \$/Dth \$4.515 \$4.666 \$4.666 \$4.214 \$4.666 \$4.515 \$4.666 \$4.515 \$4.666 \$4.515 \$4.666
TRANSCANADA \$/Dth \$30.150 \$31.155 \$31.155 \$28.140 \$31.155 \$30.150 \$31.155 \$30.150 \$31.155 \$31.155 \$30.150 \$31.155
DOMINION FTNN DEMAND \$/Dth \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346 \$4.346
TRANSCO DEMAND ZONE 2 TO 6 \$/Dth \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462 \$0.462
TRANSCO DEMAND ZONE 3 TO 6. \$/Dth \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435 \$0.435
TRANSCO DEMAND ZONE 6 \$/Dth \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119 \$0.119
NATIONAL FUEL DEMAND \$\text{Dth} \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557 \\$3.557
COLUMBIA FTS DEMAND \$/Dth \$6.075 \$6.075 \$6.075 \$6.075 \$6.075 \$6.075 \$6.075 \$6.075 \$6.075 \$6.075
HUBLINE \$/Dth \$11.558
HUBLINE \$/Dth \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996 \$6.996
HUBLINE \$/Dth \$6.992 \$6.992 \$6.992 \$6.992 \$6.992 \$6.992 \$6.992 \$6.992 \$6.992 \$6.992
EAST TO WEST \$/Dth \$8.446 \$8.4
DISTRIGAS FCS \$/Dth \$0.000 \$0.

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#### CALCULATION OF SYSTEM WEIGHTED AVERAGE DEMAND COSTS

#### 2010 - 2011 GCR PROJECTED PRICES

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August 1, 2010 Update				U	INIT PRICES								
		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
PIPELINE FIXED COST BILLING UNITS													
ALGONQUIN AFT-E/AFT-1 DEMAND	DTH	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950	86,950
ALGONQUIN AFT-3 DEMAND	DTH	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063	11,063
ALGONQUIN AFT-ES/1S DEMAND	DTH	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414	4,414
TEXAS EASTERN STX CDS DEMAND M3	DTH	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844	13,844
TEXAS EASTERN WLA CDS DEMAND M3	DTH	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716	15,716
TEXAS EASTERN ELA CDS DEMAND M3	DTH	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758	23,758
TEXAS EASTERN ETX CDS DEMAND M3	DTH	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995	7,995
TETCO M1 TO M3 DEMAND M3	DTH	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934	45,934
TETCO FTS DEMAND	DTH	537	537	537	537	537	537	537	537	537	537	537	537
TETCO SCT STX DEMAND	DTH	571	571	571	571	571	571	571	571	571	571	571	571
TETCO SCT WLA DEMAND	DTH	648	648	648	648	648	648	648	648	648	648	648	648
TETCO SCT ELA DEMAND	DTH	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183
TETCO SCT ETX DEMAND	DTH	329	329	329	329	329	329	329	329	329	329	329	329
TETCO SCT DEMAND 1-3	DTH	2,099	2,099	2,099	2,099	2,099	2,099	2,099	2,099	2,099	2,099	2,099	2,099
TETCO SCT STX DEMAND M2	DTH	401	401	401	401	401	401	401	401	401	401	401	401
TETCO SCT WLA DEMAND M2	DTH	455	455	455	455	455	455	455	455	455	455	455	455
TETCO SCT ELA DEMAND M2	DTH	831	831	831	831	831	831	831	831	831	831	831	831
TETCO SCT ETX DEMAND M2	DTH	231	231	231	231	231	231	231	231	231	231	231	231
TETCO SCT DEMAND 1-2	DTH	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474	1,474
TENNESSEE FT-A DEMAND ZONE 0 TO 6	DTH	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
TENNESSEE FT-A DEMAND ZONE 1 TO 6	DTH	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500
TENNESSEE FT-A DEMAND ZONE 0 TO 6	DTH	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022
TENNESSEE FT-A DEMAND ZONE 1 TO 6	DTH	13.313	13.313	13.313	13.313	13.313	13.313	13,313	13,313	13.313	13.313	13.313	13,313
TENNESSEE DRACUT	DTH	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
TENNESSEE FT-A DEMAND ZONE 5 TO 6	DTH	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067	1,067
TENNESSEE CONNEXION	DTH	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600
NETNE	DTH	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
IROQUOIS	DTH	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012	1.012
NOVA	DTH	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076
TRANSCANADA	DTH	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022
DOMINION FTNN DEMAND	DTH	537	537	537	537	537	537	537	537	537	537	537	537
TRANSCO DEMAND ZONE 2 TO 6	DTH	4.140	4.278	4.278	3.864	4.278	4.140	4.278	4.140	4.278	4.278	4.140	4.278
TRANSCO DEMAND ZONE 3 TO 6.	DTH	90	93	93	84	93	90	93	90	93	93	90	93
TRANSCO DEMAND ZONE 6	DTH	37.200	38.440	38.440	34.720	38.440	37.200	38.440	37.200	38.440	38.440	37.200	38,440
NATIONAL FUEL DEMAND	DTH	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177
COLUMBIA FTS DEMAND	DTH	47,455	47,455	47,455	47,455	47.455	47,455	47,455	47,455	47.455	47.455	47,455	47,455
HUBLINE	DTH	4.000	4.000	4,000	4,000	4.000	4.000	4,000	4,000	4.000	4.000	4,000	4,000
HUBLINE	DTH	500	500	500	500	500	500	500	500	500	500	500	500
HUBLINE	DTH	3.500	3.500	3,500	3.500	3.500	3.500	3,500	3,500	3.500	3.500	3,500	3,500
EAST TO WEST	Dth	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
SUPPLIER FIXED COST BILLING UNITS	7												
DISTRIGAS FCS	DTH	0	0	0	0	0	0	0	0	0	0	0	0

Attachment EDA-4 Docket 4199 October 14, 2010

National Grid Rhode Island - Gas

#### CALCULATION OF SYSTEM WEIGHTED AVERAGE DEMAND COSTS

#### 2010 - 2011 GCR PROJECTED PRICES

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August 1, 2010 Update					UNIT PRICES									
	_ [	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PIPELINE FIXED COST DOLLARS	]													
ALGONQUIN AFT-E/AFT-1 DEMAND	\$	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	\$519,709	
ALGONQUIN AFT-3 DEMAND	\$	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	\$118,987	
ALGONQUIN AFT-ES/1S DEMAND	\$	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	\$10,553	
TEXAS EASTERN STX CDS DEMAND M3	\$	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	\$94,208	
TEXAS EASTERN WLA CDS DEMAND M3	\$	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	\$44,398	
TEXAS EASTERN ELA CDS DEMAND M3	\$	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	\$56,425	
EXAS EASTERN ETX CDS DEMAND M3	\$	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	\$17,501	
ETCO FTS DEMAND	\$	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	\$2,873	
ETCO M1 TO M3 DEMAND M3	\$	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	\$516,344	
ETCO SCT STX DEMAND	\$	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	\$1,554	
ETCO SCT WLA DEMAND	\$	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	\$732	
ETCO SCT ELA DEMAND	\$	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	\$1,124	
ETCO SCT ETX DEMAND	\$	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	\$288	
ETCO SCT DEMAND 1-3	\$	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	\$9,439	
ETCO SCT STX DEMAND M2	\$	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	\$1,092	
ETCO SCT STA DEMIAND M2	э \$	\$1,092 \$514	\$1,092 \$514	\$1,092 \$514	\$1,092 \$514									
ETCO SCT ELA DEMAND M2	\$	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	\$789	
ETCO SCT ELA DEMAND M2 ETCO SCT ETX DEMAND M2	\$ \$	\$789 \$202	\$769 \$202	\$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	\$789 \$202	
	-													
ETCO SCT DEMAND 1-2	\$	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	\$5,034	
ENNESSEE FT-A DEMAND ZONE 0 TO 6	\$	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	\$54,789	
ENNESSEE FT-A DEMAND ZONE 1 TO 6	\$	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	\$101,751	
ENNESSEE FT-A DEMAND ZONE 0 TO 6	\$	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	\$93,934	
NNESSEE FT-A DEMAND ZONE 1 TO 6	\$	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	\$207,663	
ENNESSEE DRACUT	\$	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	\$47,400	
ENNESSEE FT-A DEMAND ZONE 5 TO 6	\$	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	\$5,260	
ENNESSEE CONNEXION	\$	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	\$263,743	
ETNE	\$	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	\$10,610	
OQUOIS	\$	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	
OVA	\$	\$4,858	\$5,020	\$5,020	\$4,534	\$5,020	\$4,858	\$5,020	\$4,858	\$5,020	\$5,020	\$4,858	\$5,020	
RANSCANADA	\$	\$30,813	\$31,840	\$31,840	\$28,759	\$31,840	\$30,813	\$31,840	\$30,813	\$31,840	\$31,840	\$30,813	\$31,840	
DMINION FTNN DEMAND	\$	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	\$2,334	
ANSCO DEMAND ZONE 2 TO 6	\$	\$1,911	\$1,975	\$1,975	\$1,784	\$1,975	\$1,911	\$1,975	\$1,911	\$1,975	\$1,975	\$1,911	\$1,975	
RANSCO DEMAND ZONE 3 TO 6.	\$	\$39	\$40	\$40	\$37	\$40	\$39	\$40	\$39	\$40	\$40	\$39	\$40	
RANSCO DEMAND ZONE 6	\$	\$4,424	\$4,571	\$4,571	\$4,129	\$4,571	\$4,424	\$4,571	\$4,424	\$4,571	\$4,571	\$4,424	\$4,571	
ATIONAL FUEL DEMAND	\$	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	\$4,187	
OLUMBIA FTS DEMAND	\$	\$288,289	\$288.289	\$288,289	\$288.289	\$288,289	\$288,289	\$288.289	\$288.289	\$288.289	\$288,289	\$288,289	\$288,289	
UBLINE	\$	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	\$46,233	
UBLINE	\$	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	\$3,498	
UBLINE UBLINE	\$	\$3,498 \$24,472	\$3,496 \$24,472	\$3,498 \$24,472	\$3,498 \$24,472	\$3,498 \$24,472	\$3,498 \$24,472							
AST TO WEST	\$									\$24,472 \$84.461				
	-	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	\$84,461	, .	\$84,461	\$84,461	\$84,461	
ESTERLY LATERAL (Yankee)	\$	\$58,879	\$58,879	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	\$57,637	_
	\$	\$2,747,993	\$2,749,395	\$2,748,152	\$2,743,948	\$2,748,152	\$2,746,751	\$2,748,152	\$2,746,751	\$2,748,152	\$2,748,152	\$2,746,751	\$2,748,152	\$
UPPLIER FIXED COST DOLLARS														
ISTRIGAS FCS	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
OTAL PIPELINE FIXED DEMAND CHARGES		\$2,747,993	\$2,749,395	\$2,748,152	\$2,743,948	\$2,748,152	\$2,746,751	\$2,748,152	\$2,746,751	\$2,748,152	\$2,748,152	\$2,746,751	\$2,748,152	\$
TOTAL DEMAND UNITS DTH		5,342,280	5,554,053	5,554,053	5,016,564	5,554,053	5,342,280	5,486,659	4,854,210	5,016,017	5,016,017	4,854,210	5,486,659	

100% LOAD FACTOR UNIT VALUE \$/DTH
Average rate per unit per month
AVERAGE SYSTEM VARIABLE UNIT VALUE \$/DTH
TOTAL AVERAGE SYSTEM UNIT VALUE \$/DTH

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National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS.	Requirements		Units	: MDT								
	NOV 2010	DEC 2010	JAN 2011	FEB 2011	MAR 2011	APR 2011	MAY 2011	JUN 2011	JUL 2011	AUG 2011	SEP 2011	OCT 2011	Total/Average
Forecast Demand													
RI Sales GCR	2,421,900	3,845,700	4,610,300	3,931,200	3,481,200	1,990,000	998,400	735,000	697,000	620,700	646,300	1,127,200	25,104,900
Total Demand	2,421,900	3,845,700	4,610,300	3,931,200	3,481,200	1,990,000	998,400	735,000	697,000	620,700	646,300	1,127,200	25,104,900
Storage Injections													
TENN_501	0	0	0	0	0	119,300	123,300	119,300	123,300	120,300	0	0	605,500
GSS 300170	0	0	0	0	0	24,500	0	0	0	0	0	0	24,500
GSS 300168	0	0	0	0	0	25,000	25,900	25,000	25,900	25,900	0	0	127,700
GSS 300171	0	0	0	0	0	15,700	16,200	15,700	16,200	16,200	15,700	16,200	111,900
GSSTE 600045	0	0	0	0	0	223,500	231,000	223,500	0	0	0	0	678,000
TETCO_400515	0	0	0	0	0	8,600	8,900	8,600	8,900	8,900	8,600	0	52,500
TETCO_400221	0	0	0	0	0	180,900	186,900	180,900	186,900	186,900	161,300	0	1,083,800
TETCO 400185	0	0	0	0	0	7,900	8,200	7,900	8,200	3,000	0	0	35,200
GSS 300169	0	0	0	0	0	33,500	34,600	33,500	34,600	21,600	0	0	157,800
COL FSS 9630	0	0	0	0	0	60,100	78,800	65,100	40.000	0	0	0	204,000
TENN_62918	0		-	-	-	41,400	42,800	41,400	42,800	41,700	0	0	210,100
Total Underground Storage	U	0	0	0	0	740,400	756,600	720,900	446,800	424,500	185,600	16,200	3,291,000
LNG PROV	10,900	0	0	0	0	66,900	70,100	10,900	11,300	11,300	10,900	11,300	203,600
LNG VALLEY	3,000	0	0	0	0	0	17,300	16,300	3,100	3,100	3,000	3,100	48,900
LNG EXETER	4,900	0	0	0	0	23,100	5,600	6,100	5,100	5,100	4,900	5,100	59,900
Total LNG Injection	18,800	0	0	0	0	90,000	93,000	33,300	19,500	19,500	18,800	19,500	312,400
Total Injections	18,800	0	0	0	0	830,400	849,600	754,200	466,300	444,000	204,400	35,700	3,603,400
Delivered Firm Sales Suppl	h												
	IV												
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	GCR Total
Sources of Supply		DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	GCR Total
		DEC 359,600	JAN 359,600	FEB 324,800	MAR 359,600	APR 348,000	MAY 359,600	JUN 348,000	JUL 359,600	AUG 359,600	SEP 348,000	OCT 359,600	GCR Total 4,234,000
Sources of Supply TENN_CONX TENN_ZONE_0	NOV 348,000 81,183	359,600 187,459	359,600 171,829	324,800 172,645	359,600 185,730			348,000 41,146	359,600 38,438	359,600 32,141	348,000	359,600 0	4,234,000 1,043,049
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1	NOV 348,000 81,183 167,617	359,600 187,459 387,041	359,600 171,829 354,771	324,800 172,645 356,455	359,600 185,730 383,470	348,000 75,538 155,962	359,600 56,939 117,561	348,000 41,146 84,954	359,600 38,438 79,362	359,600 32,141 66,359	348,000 0 0	359,600 0 0	4,234,000 1,043,049 2,153,551
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA	NOV 348,000 81,183 167,617 0	359,600 187,459 387,041 3,200	359,600 171,829 354,771 3,400	324,800 172,645 356,455 1,100	359,600 185,730 383,470 21,800	348,000 75,538 155,962 0	359,600 56,939 117,561 0	348,000 41,146 84,954 0	359,600 38,438 79,362 0	359,600 32,141 66,359 0	348,000 0 0	359,600 0 0	4,234,000 1,043,049 2,153,551 29,500
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_INAGARA TENN_DRACUT	NOV 348,000 81,183 167,617 0	359,600 187,459 387,041 3,200 45,000	359,600 171,829 354,771 3,400 120,400	324,800 172,645 356,455 1,100 60,100	359,600 185,730 383,470 21,800 0	348,000 75,538 155,962 0 425,900	359,600 56,939 117,561 0 2,300	348,000 41,146 84,954 0	359,600 38,438 79,362 0	359,600 32,141 66,359 0 75,000	348,000 0 0 0 62,400	359,600 0 0 0 4,300	4,234,000 1,043,049 2,153,551 29,500 795,400
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE	NOV  348,000 81,183 167,617 0 689,325	359,600 187,459 387,041 3,200 45,000 883,650	359,600 171,829 354,771 3,400 120,400 883,650	324,800 172,645 356,455 1,100 60,100 798,075	359,600 185,730 383,470 21,800 0 883,650	348,000 75,538 155,962 0 425,900 662,250	359,600 56,939 117,561 0 2,300 482,250	348,000 41,146 84,954 0 0 180,000	359,600 38,438 79,362 0 0 250,950	359,600 32,141 66,359 0 75,000	348,000 0 0 0 62,400 11,700	359,600 0 0 4,300 443,025	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN	NOV  348,000 81,183 167,617 0 0 689,325 229,775	359,600 187,459 387,041 3,200 45,000 883,650 294,550	359,600 171,829 354,771 3,400 120,400 883,650 294,550	324,800 172,645 356,455 1,100 60,100 798,075 266,025	359,600 185,730 383,470 21,800 0 883,650 294,550	348,000 75,538 155,962 0 425,900 662,250 220,750	359,600 56,939 117,561 0 2,300 482,250 160,750	348,000 41,146 84,954 0 0 180,000 60,000	359,600 38,438 79,362 0 0 250,950 83,650	359,600 32,141 66,359 0 75,000 0	348,000 0 0 0 62,400 11,700 3,900	359,600 0 0 4,300 443,025 147,675	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2	NOV 348,000 81,183 167,617 0 0 689,325 229,775 3,915	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468	348,000 41,146 84,954 0 0 180,000 60,000	359,600 38,438 79,362 0 0 250,950 83,650 4,013	359,600 32,141 66,359 0 75,000 0	348,000 0 0 0 62,400 11,700 3,900 0	359,600 0 0 4,300 443,025 147,675 0	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32	348,000 41,146 84,954 0 0 180,000 60,000 0	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87	359,600 32,141 66,359 0 75,000 0 0	348,000 0 0 0 62,400 11,700 3,900 0	359,600 0 0 4,300 443,025 147,675 0	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA	NOV  348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155	359,600 32,141 66,359 0 75,000 0 0 0 90,254	348,000 0 0 0 62,400 11,700 3,900 0 0 70,769	359,600 0 0 4,300 443,025 147,675 0 0 6,177	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ELA	NOV 348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038	348,000 0 0 62,400 11,700 3,900 0 70,769 21,201	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_DIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ETX TETCO_STX	348,000 81,183 167,617 0 689,325 229,775 3,915 85 269,427 80,713	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,881 81,478 121,442	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709	348,000 41,146 84,954 0 0 180,000 60,000 0 0 179,249 53,698 80,036	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105 43,380	359,600 32,141 66,359 0 75,000 0 0 0 0 90,254 27,038 40,299	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599	359,600 0 0 4,300 443,025 147,675 0 0 6,177 1,850 2,758	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_WLA	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 7 271,981 81,478 121,442 186,919	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303	348,000 41,146 84,954 0 180,000 60,000 0 179,249 53,698 80,036 123,189	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636	359,600 0 0 0 4,300 443,025 147,675 0 0 6,177 1,850 2,758 4,245	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_STX TETCO_WLA TETCO_O to B&W - SCT	348,000 81,183 167,617 0 0 689,325 229,775 3,915 269,427 80,713 120,301 185,163 29,958	359,600 187,459 387,041 3,200 45,000 83,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243	348,000 75,538 155,962 0 425,900 220,750 2,740 6179,249 53,698 80,036 123,189 19,931	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105 43,380 67,70 10,803	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036	348,000 0 0 0 62,400 11,700 3,900 0 0 70,769 21,201 31,599 48,636 7,869	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ETX TETCO_ETX TETCO_STX TETCO_O SRW - SCT TETCO - NF - TRANSCO	348,000 81,183 167,617 0 0 689,325 229,775 3,915 86 269,427 80,713 120,301 185,163 29,958 13,202	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077	348,000 41,146 84,954 0 0 180,000 60,000 0 0 179,249 53,698 80,036 123,189 19,931 8,783	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770 10,803 4,761	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ETX TETCO_ETX TETCO_WLA TETCO_WLA TETCO_WLA TETCO_WLA TETCO NF - TRANSCO TETCO - DT - TETCO	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910	348,000 75,538 155,962 0 425,900 662,250 20,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387	348,000 41,146 84,954 0 0 180,000 60,000 0 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213	359,600 38,438 79,362 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770 10,803 4,761 2,826	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036	348,000 0 0 0 62,400 11,700 3,900 0 0 70,769 21,201 31,599 48,636 7,869	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ETX TETCO_ETX TETCO_STX TETCO_O SRW - SCT TETCO - NF - TRANSCO	348,000 81,183 167,617 0 0 689,325 229,775 3,915 86 269,427 80,713 120,301 185,163 29,958 13,202	359,600 187,459 387,041 3,200 45,000 883,650 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 80,036 123,189 19,931 8,783 5,213 50,100	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213	359,600 38,438 79,362 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770 10,803 4,761 2,826 0	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625	348,000 0 0 0 62,400 11,770 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303 180 0	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,6175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ELA TETCO_EX TETCO_EVA TETCO_WLA TETCO_WLA TETCO_WLA TETCO_WLA TETCO TETCO NF - TRANSCO TETCO - DTI - TETCO M_DELIVERED HUBLINE	348,000 81,183 167,617 0 689,325 229,775 3,915 855 269,427 80,713 120,301 185,163 29,958 13,202 7,836	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 72,600	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518 12,900 271,000	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,881 121,442 186,919 30,243 13,327 7,910	348,000 75,538 155,962 0 425,900 662,250 20,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0	348,000 41,146 84,954 0 0 180,000 60,000 0 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213	359,600 38,438 79,362 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770 10,803 4,761 2,826	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303 180	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 60 40 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_WLA TETCO_WLA TETCO_ONEA TET	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836 146,600	359,600 187,459 387,041 3,200 45,000 883,650 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910 419,300 200	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800	359,600 38,438 79,362 0 0 250,950 83,650 4,013 87 97,155 29,105 43,380 66,770 10,803 4,761 2,826 0 0 22,200	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000	348,000 0 0 0 62,400 11,700 0 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058 0 171,400	359,600 0 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303 180 0 122,000	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,6175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_INAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_WLA TETCO_TEX TETCO_WLA TETCO_TEX TETCO_TEX TETCO_TEX TETCO TO B&W - SCT TETCO TO TETCO M3 DELIVERED HUBLINE COL_EAGLE	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836 146,600 0	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 18,019 30,421 13,406 7,957 119,900 72,600	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518 12,900 271,000 2,125	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800 184,700 290	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910 419,300 200 0	348,000 75,538 155,962 0 0425,900 662,250 20,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700	348,000 41,146 84,954 0 180,000 60,000 0 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800	359,600 38,438 79,362 0 250,950 83,650 4,013 87 71,155 29,105 43,380 66,770 10,803 4,761 2,826 0 22,200	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000	348,000 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058 0 171,400	359,600 0 0 4,300 443,025 147,675 0 0 6,177 1,850 2,758 4,245 687 303 180 0 122,000	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_0 TENN_SONE_1 TENN_INAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_STX TETCO_STX TETCO_NYLA TETCO to B&W - SCT TETCO - NF - TRANSCO TETCO - DTI - TETCO M3 DELIVERED HUBLINE COL_EAGLE COL_DOWNINGTOWN	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836 146,600 0	359,600 187,459 387,041 3,200 45,000 883,650 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 72,600 10,237 10,963	359,600 171,829 354,771 3,400 120,400 883,650 4,013 37 327,270 98,041 146,128 224,916 36,390 16,037 9,518 12,900 271,000 2,125	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800 184,700 290 310	359,600 185,730 383,470 21,800 0 883,650 4,013 81,478 121,442 186,919 30,243 13,327 7,910 419,300 0 0	348,000 75,538 155,962 0 425,900 662,250 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800 0	359,600 38,438 79,362 0 0 250,950 4,013 797,155 29,105 43,380 66,770 10,803 4,761 2,826 0 22,200 0	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058 0 171,400 0	359,600 0 4,300 443,025 147,675 0 0,177 1,250 2,758 4,245 687 303 180 0 122,000 0	4,234,000 1,043,049 2,153,551 2,9500 795,400 6,168,525 2,056,6175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800 12,652 13,548
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ETX TETCO_ETX TETCO_ETX TETCO_WLA TETCO_WLA TETCO - NF - TRANSCO TETCO - DT - TETCO M3 DELIVERED HUBLINE COL_EAGLE COL_DOWNINGTOWN ANE II - AECO-TENN - COI	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836 146,600 0 0	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 10,237 10,963 30,900	359,600 171,829 354,771 3,400 120,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,330 16,037 9,518 12,900 271,000 2,125 2,275 30,900	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800 184,700 290 310	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910 419,300 0 0 0 30,900	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0 0 30,0000	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700 0 30,900	348,000 41,146 84,954 0 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800 0 30,000	359,600 38,438 79,362 0 250,950 83,650 8,050 4,013 87 71,155 29,105 43,380 66,770 10,803 4,761 2,826 0 22,200 0 0 30,900	359,600 32,141 66,359 0 75,000 0 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000 0 30,900	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 0 171,400 0 0 30,000 0	359,600 0 0 4,300 443,025 147,675 0 0 6,177 1,850 2,758 4,245 687 303 180 0 122,000 0 30,900	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800 12,652 13,548 364,300
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_WLA TETCO_TEX TETCO_WLA TETCO_TEX TETCO_TEX TETCO_TEX TETCO_TEX TETCO_WLA TETCO TO TETCO MS_DELIVERED HUBLINE COL_EAGLE COL_DOWNINGTOWN ANE II - AECO-TENN - COI DISTRIFLS Winter	348,000 81,183 167,617 0 689,325 229,775 3,915 80,713 120,301 185,163 29,958 13,202 7,836 146,600 0 0 0 NOCO P 30,000	359,600 187,459 387,041 3,200 45,000 883,650 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 72,600 10,237 10,963 30,900 0	359,600 171,829 354,771 3,400 120,400 883,650 4,013 87 327,270 98,041 146,128 224,916 36,390 16,037 9,518 12,900 271,000 2,125 2,275 30,900 0	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800 184,700 290 310 28,000	359,600 185,730 383,470 0 883,650 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910 419,300 0 0 30,900 0	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700 0 30,900 0	348,000 41,146 84,954 0 0 180,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800 0 30,000	359,600 38,438 79,362 0 0 250,950 4,013 797,155 29,105 43,380 66,770 10,803 4,761 2,826 0 0 0 0 30,900	359,600 32,141 66,359 0 75,000 0 0 0 90,254 427,038 40,299 62,027 10,036 4,423 2,625 0 225,000 0 0 30,900	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058 0 171,400 0 0 30,000 0	359,600 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303 180 0 122,000 0 30,900	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,6175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800 12,652 13,548 364,300 18,900
Sources of Supply TENN_CONX TENN_ZONE_0 TENN_ZONE_0 TENN_ZONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO 22 TRANSCO 23 TETCO_ELA TETCO_ETX TETCO_ETX TETCO_WLA TETCO_TO B&W - SCT TETCO - DTI - TETCO M3_DELIVERED HUBLINE COL_EAGLE COL_DOWNINGTOWN ANE II - AECO-TENN - COI DISTRI FLS Winter DISTRI FLS Winter DISTRI FLS Winter DIST FCS L/Q DISTRI FLS SUMP DIST FCS L/Q	348,000 81,183 167,617 0 689,325 229,775 3,915 855 269,427 80,713 120,301 185,163 29,958 13,202 7,336 146,600 0 0 0 NOCO P 30,000 0 0	359,600 187,459 387,041 3,200 45,000 883,650 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 72,600 10,237 10,963 30,900 0	359,600 171,829 354,771 3,400 120,400 883,650 4,013 87 327,270 98,041 146,128 224,916 36,309 16,037 9,518 12,900 271,000 2,125 30,900 0 0	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,361 8,523 4,800 184,700 290 310 28,000 0 0	359,600 185,730 383,470 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,327 7,910 0 0 0 30,900 0 0	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0 30,000 0 90,000 0 0	359,600 56,939 117,561 0 2,300 482,250 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700 0 30,900 0 93,000 0	348,000 41,146 84,954 0 180,000 60,000 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800 0 30,000 0 33,400 0	359,600 38,438 79,362 0 0 250,950 4,013 7 97,155 29,105 43,380 66,770 10,803 4,761 2,826 0 0 22,200 0 0 30,900 0 0 19,500 0	359,600 32,141 66,359 0 75,000 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000 0 30,900 19,500 0 0 19,500	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 2,058 0 171,400 0 30,000 0 18,900 0	359,600 0 4,300 443,025 147,675 0 6,177 1,850 2,758 4,245 687 303 180 0 122,000 0 30,900 0 19,500 0	4,234,000 1,043,049 2,153,551 2,9500 795,400 6,168,525 2,056,6175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800 12,652 13,548 364,300 0 0 0
Sources of Supply TENN_CONX TENN_CONE_0 TENN_ZONE_0 TENN_NONE_1 TENN_NIAGARA TENN_DRACUT COL_MAUMEE COL_BROADRUN TRANSCO Z2 TRANSCO Z2 TRANSCO Z3 TETCO_ELA TETCO_ELA TETCO_ETX TETCO_WLA TETCO_TENA TETCO_TENA TETCO_TIT-TETCO M3_DELIVERED HUBLINE COL_EAGLE COL_DOWNINGTOWN ANE II - AECO-TENN - COI DISTRI FLS Winter DISTRI FLS Winter DISTRI FLS Winter DISTRI FLS Winter	348,000 81,183 167,617 0 0 689,325 229,775 3,915 85 269,427 80,713 120,301 185,163 29,958 13,202 7,836 146,600 0 0 0 NOCO P 30,000 0 0	359,600 187,459 387,041 3,200 45,000 883,650 294,550 4,013 87 273,583 81,958 122,157 188,019 30,421 13,406 7,957 119,900 72,600 10,237 10,963 30,900 0	359,600 171,829 354,771 3,400 883,650 294,550 4,013 87 327,270 98,041 146,128 224,916 36,390 271,000 271,000 2,125 2,275 30,900 0	324,800 172,645 356,455 1,100 60,100 798,075 266,025 3,621 79 293,067 87,795 130,857 201,410 32,587 14,561 8,523 4,800 184,700 29,000 0 0	359,600 185,730 383,470 21,800 0 883,650 294,550 4,013 87 271,981 81,478 121,442 186,919 30,243 13,323 7,910 419,300 0 0 30,900	348,000 75,538 155,962 0 425,900 662,250 220,750 2,740 60 179,249 53,698 80,036 123,189 19,931 8,783 5,213 50,100 270,200 0 0 30,000 0 90,000	359,600 56,939 117,561 0 2,300 482,250 160,750 1,468 32 185,236 55,492 82,709 127,303 20,597 9,077 5,387 0 37,700 0 0 30,900 0 93,000 0	348,000 41,146 84,954 0 0 180,000 60,000 0 0 179,249 53,698 80,036 123,189 19,931 8,783 5,213 0 222,800 0 30,000 0 33,400	359,600 38,438 79,362 0 250,950 83,650 4,013 87 71,155 29,105 43,380 66,770 10,803 4,761 2,826 0 22,200 0 0 0 30,900 0	359,600 32,141 66,359 0 75,000 0 0 0 0 90,254 27,038 40,299 62,027 10,036 4,423 2,625 0 225,000 0 30,900 0 19,500 0	348,000 0 0 0 62,400 11,700 3,900 0 70,769 21,201 31,599 48,636 7,869 3,468 0 171,400 0 0 0 0 11,700 0 0 0 0 0 0 0 0 0 0 0 0	359,600 0 0 4,300 443,025 147,675 0 0 6,177 1,850 2,758 4,245 687 303 3180 0 122,000 0 30,900 0 19,500	4,234,000 1,043,049 2,153,551 29,500 795,400 6,168,525 2,056,175 27,796 604 2,243,417 672,068 1,001,701 1,541,784 249,453 109,931 65,245 753,600 1,599,800 12,652 13,548 364,300 18,900 293,800

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National Grid 2010 Estimated GCR Normal Weather Scenario

Normal Weather Scenario				00.42.41									
N	atural Gas Supply VS.	Requirements		Units	: MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	Total/Average
Non LNG Liquid take	2,403,100	3,126,700	3,369,800	2,969,600	3,296,600	2,711,600	1,735,300	1,437,000	1,124,000	1,025,700	813,000	1,123,700	25,136,100
LNG Liquid take	18,900	0	0	0	0	90,000	93,000	33,400	19,500	19,500	18,900	19,500	312,700
Total take	2,422,000	3,126,700	3,369,800	2,969,600	3,296,600	2,801,600	1,828,300	1,470,400	1,143,500	1,045,200	831,900	1,143,200	25,448,800
Storage Withdrawals													
TENN 501	0	141,700	240,800	171,000	9,100	0	0	0	0	0	0	0	562,600
GSS 300170	0	0	0	0	0	0	0	0	0	0	0	0	0
GSS 300168	0	18,200	42,500	38,400	18,300	0	0	0	0	0	0	0	117,400
GSS 300171	0	0	71,100	28,600	0	0	0	0	0	0	0	0	99,700
GSSTE 600045	0	141,500	165,700	149,600	134,400	0	0	0	0	0	0	0	591,200
TETCO 400515	0	2,400	24,800	19,500	0	0	0	0	0	0	0	0	46,700
TETCO_400221	0	224,100	404,200	346,100	0	0	0	0	0	0	0	0	974,400
TETCO 400185	0	0	17,700	13,300	0	0	0	0	0	0	0	0	31,000
GSS 300169	0	35,700	55,400	50,000	0	0	0	0	0	0	0	0	141,100
COL FSS 9630	0	43,400	76,200	67,100	400	0	0	0	0	0	0	0	187,100
TENN 62918	0	9,700	122,600	60,200	2,700	0	0	0	0	0	0	0	195,200
LNG PROV	10,900	82,000	11,300	10,200	11,300	10,900	11,300	10,900	11,300	11,300	10,900	11,300	203,600
LNG VALLEY	3,000	15,500	3,100	2,800	3,100	3,000	3,100	3,000	3,100	3,100	3,000	3,100	48,900
LNG EXETER	4,900	5,100	5,100	4,600	5.100	4,900	5.100	4,900	5.100	5,100	4.900	5,100	59,900
Total Withdrawal Delivered	18,800	719,300	1,240,500	961,400	184,400	18,800	19,500	18,800	19,500	19,500	18,800	19,500	3,258,800
Total Storage withdrawal	0	616,700	1,221,000	943,800	164,900	0	0	0	0	0	0	0	2,946,400
Total Peaking withdrawal	18,800	102,600	19,500	17,600	19,500	18,800	19,500	18,800	19,500	19,500	18,800	19,500	312,400
Total Supply	2,421,900	3,846,000	4,610,300	3,931,000	3,481,000	2,730,400	1,754,800	1,455,800	1,143,500	1,045,200	831,800	1,143,200	28,394,900
Storage withdrawals at Storage	Facilty												
TENN 501	0	144,843	246,141	174,793	9,302	0	0	0	0	0	0	0	575,079
GSS 300170	0	144,043	240,141	174,793	9,302	0	0	0	0	0	0	0	0
GSS 300170 GSS 300168	0	18,604			18,706	0	0	0	0	0	0	0	120,004
GSS 300108 GSS 300171	0	18,604	43,443 73.015	39,252 29.370	18,706	0	0	0	0	0	0	0	120,004
GSS 300171 GSSTE 600045	0	145.621	170,525	153.957	138,314	0	0	0	0	0	0	0	608,417
	0	- / -	26,310	,		0	0	0	0	0	0	0	49,544
TETCO_400515	0	2,546 234.458		20,687 362.098	0	0	0	0	0	0	0	0	
TETCO_400221 TETCO 400185	0	234,458	422,883 18,518	13,915	0	0	0	0	0	0	0	0	1,019,439 32,433
GSS 300169	0	-			-	0	0	0	-	0	-	-	
GSS 300169 COL FSS 9630	0	37,250	57,806	52,171	0 405	0	0	0	0	0	0	0	147,227
	0	43,994	77,243	68,018	2,760	-	0	0	-	0			189,660
TENN_62918	-	9,915	125,319	61,535		0	-	-	0	0	0	0	199,530
	0	637,231	1,261,203	975,796	169,487	0	0	0	0	0	0	0	3,043,718

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National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply \	/S. Requirements		Units	MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Ave
08/04/2010 NYMEX	\$4.90	9 \$5.149	\$5.285	\$5.252	\$5.152	\$4.982	\$4.997	\$5.034	\$5.088	\$5.132	\$5.155	\$5.235	
TENNESSEE CONNEXION													
Basis	00.004	0 0000	<b>*</b> 0.0040	00.0040	00.0040	00.0040	00.0040	00.0040	00.0040	00.0040	00.0040	00.0040	
isage to Zn 6 uel to Zn 6	\$0.001 8.71		\$0.0019 8.71%	\$0.0019 8.71%	\$0.0019 8.71%	\$0.0019 7.42%	\$0.0019 7.42%	\$0.0019 7.42%	\$0.0019 7.42%	\$0.0019 7.42%	\$0.0019 7.42%	\$0.0019 7.42%	
otal Delivered	6.71	76 0.7176	0.7 1 78	0.7176	0.7176	7.42/0	7.42/0	1.42/0	7.42/0	7.42/0	7.42/0	7.42/0	
ENNESSEE ZN 0													
asis													
sage	\$0.16		\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	\$0.1627	
uel otal Delivered	8.71	% 8.71%	8.71%	8.71%	8.71%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	7.42%	
ENNESSEE ZN 1													
Basis													
sage to Zn 6	\$0.15		\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	\$0.1522	
uel to Zn 6	7.82	% 7.82%	7.82%	7.82%	7.82%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	i
Total Delivered													
TENNESSEE DRACUT Basis													İ
isage	\$0.06	61 \$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	\$0.0661	
uel	0.89		0.89%	0.89%	0.89%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	0.85%	
Total Delivered													
TETCO ELA													
Basis													
Jsage to M3	\$0.07 \$0.01		\$0.0789 \$0.0131	\$0.0789 \$0.0131	\$0.0789	\$0.0789 \$0.0131	\$0.0789 \$0.0131	\$0.0789 \$0.0131	\$0.0789	\$0.0789	\$0.0789	\$0.0789 \$0.0131	
Jsage on AGT Fuel to M3	\$0.01 6.47		7.29%	7.29%	\$0.0131 7.29%	6.47%	6.47%	6.47%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	6.47%	
Fuel on AGT	0.47		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.47 %	0.84%	0.84%	0.47 %	
Total Delivered	0.0	7.0070	1.00%	1.0070	1.0070	0.0170	0.0170	0.0170	0.0170	0.0170	0.0170	0.0170	
ГЕТСО ЕТХ													_
Basis													
Jsage to M3	\$0.07		\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	\$0.0789	
Jsage on AGT Fuel to M3	\$0.01: 6.47		\$0.0131 7.29%	\$0.0131 7.29%	\$0.0131 7.29%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	\$0.0131 6.47%	
uel to M3	0.47		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
otal Delivered	0.64	,0 1.00/6	1.00/6	1.00/6	1.00 /6	0.04/8	0.0476	0.0478	0.0-7/8	0.0-7/8	0.0478	0.0476	
ETCO STX													
Basis													
Jsage to M3	\$0.084		\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	\$0.0843	
Jsage on AGT Fuel to M3	\$0.013 7.46		\$0.0131 8.59%	\$0.0131	\$0.0131 8.59%	\$0.0131 7.46%	\$0.0131	\$0.0131 7.46%	\$0.0131	\$0.0131 7.46%	\$0.0131	\$0.0131	
-uel to M3 Fuel on AGT	7.4b 0.84		1.35%	8.59% 1.35%	8.59% 1.35%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	7.46% 0.84%	
Fotal Delivered	0.84	70 1.33%	1.33%	1.33%	1.33%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	

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National Grid 2010 Estimated GCR Normal Weather Scenario		Vent SEND	OUT® Version	n 12.5.5 30- 06:42:41	-Aug-2010								
	Natural Gas Supply VS	. Requirements		Units	: MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Ave
TETCO WLA													
Basis	£0.000E	60 000F	\$0.0805	©0.000F	©0.000F	¢0.000E	<b>\$0,000</b> F	<b>\$0,000</b> F	\$0.000F	\$0.0805	\$0.0805	\$0.0805	
Usage to M3 Usage on AGT	\$0.0805 \$0.0131		\$0.0805	\$0.0805 \$0.0131	\$0.0805 \$0.0131	\$0.0805 \$0.0131	\$0.0805 \$0.0131	\$0.0805 \$0.0131	\$0.0805 \$0.0131	\$0.0805	\$0.0805	\$0.0805	
Fuel to M3	6.78%		7.69%	7.69%	7.69%	6.78%	6.78%	6.78%	6.78%	6.78%	6.78%	6.78%	
uel on AGT	0.76%		1.35%	1.35%	1.35%	0.76%	0.76%	0.76%	0.76%	0.76%	0.76%	0.84%	
otal Delivered	0.0476	1.5576	1.5576	1.5576	1.55 /6	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0476	
TETCO -> NF -> TRANSCO													
Jsage to M2	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	\$0.4324	
Jsage on NF	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	\$0.0088	
Jsage on Transco	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	\$0.0079	
Isage on AGT	\$0.2292		\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	\$0.2292	
uel to M2	5.72%		6.33%	6.33%	6.33%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	5.72%	
uel on NF	1.40%		1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	1.40%	
uel on Transco	0.89%		0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	
uel on AGT	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Delivered to NF													
Delivered to Transco													
Delivered to Algonquin Total Delivered													
13 DELIVERED Basis													
Jsage on AGT	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	
Fuel on AGT	0.84%		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
otal Delivered	0.0170	1.0070	1.0070	1.0070	1.0070	0.0170	0.0170	0.0 170	0.0170	0.0170	0.0170	0.0170	
COLUMBIA MAUMEE													
Basis	80.0045	80.0045	80.0045	60.0045	00.0045	A0 00 45	<b>#0.0045</b>	<b>#0.0045</b>	00.0045	00.0045	00.0045	<b>00.0045</b>	
Jsage on Columbia	\$0.0245		\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	
Jsage on AGT Fuel on Columbia	\$0.0131 2.06%	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131	\$0.0131 2.06%	\$0.0131	
-uei on Columbia Fuel on AGT	2.06% 0.84%		2.06% 1.35%	2.06% 1.35%	2.06% 1.35%	2.06% 0.84%	2.06% 0.84%	2.06% 0.84%	2.06% 0.84%	2.06% 0.84%	2.06% 0.84%	2.06% 0.84%	
otal Delivered	0.84%	1.33%	1.33%	1.33%	1.33%	0.64%	0.0476	0.04%	0.04%	0.64%	0.04%	0.04%	
COLUMBIA BROADRUN													
Basis Jsage on Columbia	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	
Jsage on Columbia Jsage on AGT	\$0.0245 \$0.0131		\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	\$0.0245	
uel on Columbia	2.06%		2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
uel on AGT	0.84%		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Total Delivered													
COLUMBIA EAGLE													
Basis	PC 2045	60.0045	E0 0045	60.0045	60.0045	¢0.0045	£0.0045	£0.0045	£0.0045	CO 0045	£0.0045	£0.00.15	
sage on Columbia sage on AGT	\$0.0245 \$0.0131		\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	\$0.0245 \$0.0131	
sage on AG1 uel on Columbia	2.06%		2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
uel on AGT	0.84%		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
otal Delivered	0.84%	1.33%	1.33%	1.33%	1.33%	0.04%	0.04%	U.04 <sup>-</sup> / <sub>0</sub>	0.04%	0.04%	0.04%	0.04%	
COLUMBIA DOWNINGTOWN	N												
Basis Isago on Columbia	\$0.1979	\$0.2440	\$0.2467	\$0.2297	\$0.2438	\$0.1792	\$0.1422	\$0.1570	\$0.1530	\$0.1453	\$0,1265	\$0.1226	
Jsage on Columbia Jsage on AGT	\$0.1979 \$0.0245		\$0.2467 \$0.0245	\$0.2297 \$0.0245	\$0.2438 \$0.0245	\$0.1792 \$0.0245	\$0.1422 \$0.0245	\$0.1570 \$0.0245	\$0.1530 \$0.0245	\$0.1453 \$0.0245	\$0.1265 \$0.0245	\$0.1226	
Fuel on Columbia	2.06%		2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	2.06%	
Fuel on AGT	0.84%		1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
	0.0476	1.55/0	1.00/0	1.00/0	1.00/0	0.04 /0	0.04 /0	0.04 /0	0.0470	0.04 /0	0.04 /0	J.U4 70	

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Tetro   Dri   Tetro   Data   Description	National Grid 2010 Estimated GCR Normal Weather Scenario		Ven SENI	OOUT® Versio	n 12.5.5 30- 06:42:41	-Aug-2010								
Tetro   Daminical   Strate		Natural Gas Supply VS	. Requirements		Units	: MDT								
Basis   Usage on Dominion   S0.0324   S0.4324   S0.0314   S0.0019   S0.001		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
Usage on Dominion   S0.0251   S0.0														
Usage on Tetoco		\$0,4324	\$0,4324	\$0,4324	\$0.4324	\$0,4324	\$0,4324	\$0,4324	\$0,4324	\$0,4324	\$0,4324	\$0.4324	\$0.4324	
Usage on AGT												\$0.0251	\$0.0251	
Fuel in M2 Fuel on Dominion												\$0.0019	\$0.0019	
Fuel on Dominion   2.85%   2.8												\$0.2292 5.72%	\$0.2292 5.72%	
Fuel on Tetco Fuel on Tetco Fuel on Tetco Fuel on AGT Fuel on Transco  \$0.03433 \$0.0343												2.85%	2.85%	
Delivered to Dominion Delivered to Tetoo Delivered to Algonquin Total Delivered Total Delivered to Algonquin Total Delivered Total		1.29%		1.29%			1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%	
Delivered to Tetoo Delivered to Tetoo Delivered to Algonquin Total Delivered to So. 0019 \$0.0019		0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Delivered to Algonquin   Total Delivered   South State   South Sta														
Basis   Usage on Transco   \$0.03696   \$0.0019	Delivered to Algonquin													
Usage on Transco														
Usage on Tetco	Daoio	\$0,00000	\$0.03600	\$0.03600	¢0 03600	\$0.0200C	\$0.0360c	£0 03600	\$0.02ccc	\$0.02ccc	¢0.02000	\$0.03696	\$0,03696	
Usage on AGT   S0.0019												\$0.03696	\$0.03696	
Fuel on AGT												\$0.0019	\$0.0019	
Fuel on ACT Total Delivered  TRANSCO ZONE 3 Basis Usage on Transco \$0.03433												5.35%	5.35%	
TRANSCO ZONE 3 Basis Usage on Transco S0.03433 \$0.03943 \$0.00919 \$0.0019 \$0.0009 \$0.0009 \$0.0009 \$0.0009 \$0.0009 \$0.0009 \$0.0009 \$0.0049 \$												0.00%	0.00%	
TRANSCO ZONE 3 Basis Usage on Transco \$0.03433 \$0.003433 \$0.03433 \$0.03433 \$0.03433 \$0.03433 \$0.03433 \$0.03433 \$0.003433 \$0.003433 \$0.003433 \$0.00343 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.0019 \$0.00019 \$0.00019 \$0.00019 \$0.0019 \$0		0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Basis   Usage on Transco   \$0.03433   \$0.003433   \$0.003433   \$0.0019   \$0.0	Total Delivered													
Usage on Teto   \$0.0019   \$0.009%														
Usage on AGT												\$0.03433	\$0.03433	
Fuel on Transco         4,93%												\$0.0019	\$0.0019	
Fuel on Tetoo 0.00% 0.00												\$0.0019 4.93%	\$0.0019 4.93%	
AECO TO TENNESSEE - ANE II   Basis   Transcanada usage   \$0.0848   \$0.0988   \$0.0019												0.00%	0.00%	
AECO TO TENNESSEE - ANE II Basis Transcanada usage \$0.0848 \$0.		0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Basis Transcanada usage Transcanada pressure chg Transcanada pressure chg Fuel Tenn TCPL S.0.0174 S0.0174 S0.0	Total Delivered													
Transcanada pressure chg Fuel on TCPL 3.550%		NE II												
Fuel on TCPL 3.550% 3.5	Transcanada usage											\$0.0848	\$0.0848	
Rogue   \$0.0052   \$0.005												\$0.0174	\$0.0174	
NETRE usage \$0.0019 \$0												3.550% \$0.0052	3.550% \$0.0052	
Fuel on Iroquois 0.00% 0												\$0.0032	\$0.0032	
Total Delivered   Section   Tennessee   Section   Sect	Fuel on Iroquois	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Basis Tenn usage \$0.0784 \$0.07		1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	
Tenn usage \$0.0784 \$0.	NIAGARA TO TENNESSEE													
Tenn Fuel 2.09% 2.09% 2.09% 2.09% 2.09% 1.86% 1.														
Total Delivered  Tetco to B&W - SCT												\$0.0784 1.86%	\$0.0784 1.86%	
		2.09%	2.09%	2.09%	2.09%	2.09%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.80%	
Basis														
basis   Usage on Teto   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414   \$0.5414		\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	\$0.5414	
basge on ACT \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292 \$0.292												\$0.2292	\$0.2292	
fuel to ZN 3 6.72% 7.62% 7.62% 7.62% 6.72% 6.72% 6.72% 6.72% 6.72% 6.72%	fuel to ZN 3	6.72%	7.62%	7.62%	7.62%	7.62%	6.72%	6.72%	6.72%	6.72%	6.72%	6.72%	6.72%	
Fuel on AGT 0.84% 1.35% 1.35% 1.35% 0.84% 0.84% 0.84% 0.84% 0.84% Total Delivered		0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	

Attachment EDA-4 Docket 4199 October 14, 2010

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National Grid 2010 Estimated GCR

Ventyx SENDOUT® Version 12.5.5 30-Aug-2010

Normal Weather Scenario		02.1		06:42:41									
	Natural Gas Supply VS.	Requirements		Units	s: MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Avera
DISTRIGAS FCS Total Delivered													
Hubline													
Basis usage	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	\$0.0019	
fuel Total Delivered	0.84%	1.35%	1.35%	1.35%	1.35%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	0.84%	
Total delivered to the	City Gate Gas Supply	Costs											
TENN CONNEXION													
Delivered Mmbtu	348,000	359,600	359,600	324,800	359,600	348,000	359,600	348,000	359,600	359,600	348,000	359,600	
NYMEX \$/Mmbtu Del Total Delivered Cost	\$5.300 \$1,844,348	\$5.461 \$1,963,928	\$5.590 \$2,010,291	\$5.528 \$1,795,396	\$5.441 \$1,956,562	\$5.238 \$1,822,981	\$5.244 \$1,885,767	\$5.266 \$1,832,454	\$5.331 \$1,917,113	\$5.386 \$1,936,961	\$5.431 \$1,890,003	\$5.521 \$1,985,281	
	ψ1,011,010	ψ1,000,020	φ2,010,201	ψ1,700,000	ψ1,000,002	ψ1,022,001	ψ1,000,101	ψ1,00 <u>2,</u> 101	ψ1,011,110	ψ1,000,001	ψ1,000,000	ψ1,000,201	
Tennessee Zn 0 Delivered Mmbtu	81,183	187,459	171,829	172,645	185,730	75,538	56,939	41,146	38,438	32,141	0	0	
NYMEX \$/Mmbtu Del	\$5,461	\$5.622	\$5.751	\$5.688	\$5,602	\$5.399	\$5,405	\$5,426	\$5,492	\$5.547	\$5.592	\$5.682	
Total Delivered Cost	\$443,314	\$1,053,937	\$988,217	\$982,091	\$1,040,410	\$407,851	\$307,749	\$223,280	\$211,103	\$178,291	\$0	\$0	
TENN ZONE 1													
Delivered Mmbtu	167,617	387,041	354,771	356,455	383,470	155,962	117,561	84,954	79,362	66,359	0	0	
\$/Mmbtu Del Total Delivered Cost	\$5.421 \$908,581	\$5.674 \$2,196,030	\$5.820 \$2,064,696	\$5.788 \$2,063,014	\$5.677 \$2,176,894	\$5.426 \$846,292	\$5.439 \$639,366	\$5.472 \$464,869	\$5.532 \$439,033	\$5.581 \$370,338	\$5.612 \$0	\$5.699 \$0	
TENN DRACUT													
Delivered Mmbtu	0	45,000	120,400	60,100	0	425,900	2,300	0	0	75,000	62,400	4,300	
\$/Mmbtu Del	\$5.98	\$6.22	\$6.36	\$6.32	\$6.22	\$5.29	\$5.37	\$5.38	\$5.49	\$5.45	\$5.45	\$5.58	
Total Delivered Cost	\$0	\$279,894	\$765,394	\$380,060	\$0	\$2,253,270	\$12,349	\$0	\$0	\$408,588	\$340,159	\$23,999	
TETCO ELA													
Delivered Mmbtu \$/Mmbtu Del	269,427 \$5,3567	273,583 \$5.6891	327,270 \$5.8371	293,067 \$5.8037	271,981 \$5.6920	179,249 \$5.4291	185,236 \$5,4425	179,249	97,155	90,254	70,769 \$5,6159	6,177	
Total Delivered Cost	\$1,443,240	\$1,556,431	\$1,910,311	\$1,700,861	\$1,548,123	\$973,154	\$1,008,151	\$5.4781 \$981,948	\$5.5380 \$538,042	\$5.5871 \$504,259	\$397,434	\$5.7037 \$35,232	
TETCO ETX	00.740	04.050	00.011	07.705	04.470	F2 C22	FF 400	F2 C22	20.425	07.000	24.224	4.050	
Delivered Mmbtu NYMEX \$/Mmbtu Del	80,713 \$5.1535	81,958 \$5.4686	98,041 \$5.6133	87,795 \$5.5931	81,478 \$5.4640	53,698 \$5.2063	55,492 \$5.2089	53,698 \$5.2238	29,105 \$5.2913	27,038 \$5.3487	21,201 \$5.3995	1,850 \$5.4913	
Total Delivered Cost	\$415,952	\$448,199	\$550,335	\$491,044	\$445,202	\$279,569	\$289,050	\$280,507	\$154,003	\$144,617	\$114,473	\$10,162	
TETCO STX													
Delivered Mmbtu	120,301	122,157	146,128	130,857	121,442	80,036	82,709	80,036	43,380	40,299	31,599	2,758	
NYMEX \$/Mmbtu Del	\$5.239	\$5.578	\$5.725	\$5.704	\$5.574	\$5.322	\$5.324	\$5.338	\$5.407	\$5.465	\$5.518	\$5.611	
Total Delivered Cost	\$630,294	\$681,397	\$836,568	\$746,367	\$676,883	\$425,988	\$440,368	\$427,218	\$234,541	\$220,242	\$174,369	\$15,476	

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National Grid 2010 Estimated GCR Normal Weather Scenario

	Natural Gas Supply VS.	Requirements		Units	s: MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
TETCO WLA Delivered Mmbtu \$/Mmbtu Del Total Delivered Cost	185,163 \$5.3332 \$987,512	188,019 \$5.6741 \$1,066,838	224,916 \$5.8231 \$1,309,707	201,410 \$5.7881 \$1,165,775	186,919 \$5.6772 \$1,061,167	123,189 \$5.4050 \$665,839	127,303 \$5.4187 \$689,812	123,189 \$5.4545 \$671,930	66,770 \$5.5144 \$368,196	62,027 \$5.5637 \$345,100	48,636 \$5.5925 \$271,998	4,245 \$5.6806 \$24,115	
TETCO -> NF -> TRANSCO Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	13,202 \$6.0362 \$79,691	13,406 \$6.3624 \$85,294	16,037 \$6.5124 \$104,437	14,361 \$6.4785 \$93,036	13,327 \$6.3654 \$84,835	8,783 \$6.1096 \$53,664	9,077 \$6.1233 \$55,580	8,783 \$6.1594 \$54,101	4,761 \$6.2202 \$29,613	4,423 \$6.2701 \$27,730	3,468 \$6.2993 \$21,845	303 \$6.3884 \$1,934	
M3 DELIVERED Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	146,600 \$5.3772 \$788,291	119,900 \$6.0326 \$723,304	12,900 \$6.4929 \$83,758	4,800 \$6.4213 \$30,822	419,300 \$5.7268 \$2,401,262	50,100 \$5.3735 \$269,214	0 \$5.3891 \$0	0 \$5.4651 \$0	0 \$5.5083 \$0	0 \$5.5360 \$0	0 \$5.5202 \$0	0 \$5.5908 \$0	
COLUMBIA MAUMEE Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	689,325 \$5.2213 \$3,599,197	883,650 \$5.5220 \$4,879,538	883,650 \$5.6670 \$5,007,674	798,075 \$5.6217 \$4,486,537	883,650 \$5.5299 \$4,886,489	662,250 \$5.2853 \$3,500,177	482,250 \$5.3082 \$2,559,900	180,000 \$5.3597 \$964,751	250,950 \$5.4113 \$1,357,970	0 \$5.4488 \$0	11,700 \$5.4591 \$63,871	443,025 \$5.5382 \$2,453,550	
COLUMBIA BROADRUN Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	229,775 \$5.2964 \$1,216,981	294,550 \$5.6198 \$1,655,323	294,550 \$5.7634 \$1,697,608	266,025 \$5.7116 \$1,519,440	294,550 \$5.6227 \$1,656,176	220,750 \$5.3523 \$1,181,523	160,750 \$5.3297 \$856,743	60,000 \$5.3830 \$322,980	83,650 \$5.4345 \$454,595	0 \$5.4719 \$0	3,900 \$5.4762 \$21,357	147,675 \$5.5545 \$820,268	
COLUMBIA EAGLE Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	0 \$5.5148 \$0	10,237 \$6.1841 \$63,310	2,125 \$6.6541 \$14,138	290 \$6.5811 \$1,907	0 \$5.8720 \$0	0 \$5.5111 \$0	0 \$5.5270 \$0	0 \$5.6046 \$0	0 \$5.6487 \$0	0 \$5.6770 \$0	0 \$5.6608 \$0	0 \$5.7329 \$0	
COLUMBIA DOWNINGTOV Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	VN 0 \$5.7253 \$0	10,963 \$6.4723 \$70,953	2,275 \$6.9702 \$15,859	310 \$6.8768 \$2,134	0 \$6.1359 \$0	0 \$5.6767 \$0	0 \$5.6551 \$0	0 \$5.7484 \$0	0 \$5.7883 \$0	0 \$5.8086 \$0	0 \$5.7727 \$0	0 \$5.8405 \$0	
TETCO -> DTI -> TETCO Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	7,836 \$6.1571 \$48,245	7,957 \$6.4896 \$51,635	9,518 \$6.6424 \$63,222	8,523 \$6.6079 \$56,321	7,910 \$6.4926 \$51,357	5,213 \$6.2319 \$32,488	5,387 \$6.2459 \$33,648	5,213 \$6.2827 \$32,752	2,826 \$6.3446 \$17,927	2,625 \$6.3955 \$16,787	2,058 \$6.4252 \$13,224	180 \$6.5160 \$1,171	
TRANSCO ZONE 2 Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	3,915 \$5.2099 \$20,396	4,013 \$5.4942 \$22,047	4,013 \$5.6400 \$22,632	3,621 \$5.6044 \$20,295	4,013 \$5.4974 \$22,060	2,740 \$5.3051 \$14,538	1,468 \$5.3213 \$7,812	0 \$5.3610 \$0	4,013 \$5.4184 \$21,743	0 \$5.4652 \$0	0 \$5.4894 \$0	0 \$5.5745 \$0	
TRANSCO ZONE 3 Delivered Mmbtu Delivered \$/Mmbtu Delivered Cost	85 \$5.2670 \$448	87 \$5.5535 \$484	87 \$5.6991 \$497	79 \$5.6620 \$446	87 \$5.5569 \$485	60 \$5.3282 \$317	32 \$5.3444 \$171	0 \$5.3843 \$0	87 \$5.4413 \$475	0 \$5.4878 \$0	0 \$5.5117 \$0	0 \$5.5962 \$0	

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National Grid 2010 Estimated GCR Normal Weather Scenario

Natu	ral Gas Supply VS	. Requirements		Unit	s: MDT								
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total/Average
AECO TO TENNESSEE - ANE II Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	30,000 \$6.0732 \$182,196	\$6.3252	30,900 \$6.4680 \$199,861	28,000 \$6.4333 \$180,134	30,900 \$6.3283 \$195,546	30,000 \$6.1499 \$184,496	30,900 \$6.1656 \$190,517	30,000 \$6.2045 \$186,134	30,900 \$6.2612 \$193,470	30,900 \$6.3074 \$194,897	30,000 \$6.3315 \$189,945	30,900 \$6.4155 \$198,239	
NIAGARA TO TENNESSEE Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	0 \$5.6467 	\$5.8111	3,400 \$5.8230 \$19,798	1,100 \$5.8182 \$6,400	21,800 \$5.7342 \$125,006	0 \$5.4792 \$0	0 \$5.5038 \$0	0 \$5.5545 \$0	0 \$5.6033 \$0	0 \$5.6382 \$0	0 \$5.6449 \$0	0 \$5.7257 \$0	
Tetco to B&W - SCT Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	29,958 \$6.0533 \$181,349	\$6.3940	36,390 \$6.5426 \$238,085	32,587 \$6.5090 \$212,109	30,243 \$6.3969 \$193,460	19,931 \$6.1259 \$122,097	20,597 \$6.1394 \$126,453	19,931 \$6.1751 \$123,077	10,803 \$6.2351 \$67,358	10,036 \$6.2844 \$63,068	7,869 \$6.3132 \$49,679	687 \$6.4012 \$4,397	
DISTRIGAS FCS Delivered Mmbtu Delivered \$/Mmbtu Total Delivered Cost	0	0	0	0	0	0	0	0	0	0	0	0	
HUBLINE Total Delivered Vol Delivered \$/Mmbtu Total Delivered Cost	0 \$5.9105 \$0	\$6.1844	271,000 \$6.3222 \$1,713,323	184,700 \$6.2888 \$1,161,536	200 \$6.1874 \$1,237	270,200 \$5.2259 \$1,412,033	37,700 \$5.3042 \$199,970	222,800 \$5.3177 \$1,184,773	22,200 \$5.4215 \$120,358	225,000 \$5.3831 \$1,211,198	171,400 \$5.3865 \$923,251	122,000 \$5.5165 \$673,016	
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	
Total Pipeline Costs Total Pipeline Volumes WACOG	2,403,100 \$5.322		3,369,800 \$5.821	2,969,600 \$5.757	3,296,600 \$5.619	2,711,600 \$5.327	1,735,300 \$5.361	1,437,000 \$5.394	1,124,000 \$5.450	1,025,700 \$5.481	813,000 \$5.500	1,123,700 \$5.559	25,136,100 \$5.556
Injections Value at WACOG	0		0 \$0	0 \$0	0 \$0	740,400 \$3,944,329	756,600 \$4,056,334	720,900 \$3,888,332	446,800 \$2,434,955	424,500 \$2,326,774	185,600 \$1,020,825	16,200 \$90,059	3,291,000 \$17,761,608
Pipeline Costs less Injections Pipeline Volumes less injections	\$12,790,036 2,403,100	. ,	\$19,616,411 3,369,800	\$17,095,724 2,969,600	\$18,523,154 3,296,600	\$10,501,163 1,971,200	\$5,247,072 978,700	\$3,862,442 716,100	\$3,690,582 677,200	\$3,295,303 601,200	\$3,450,785 627,400	\$6,156,780 1,107,500	\$121,885,531 21,845,100
NYMEX cost of Supplies Non-gas cost of delivered suppli		\$16,099,378	\$17,809,393	\$15,596,339	\$16,984,083	\$9,820,518	\$4,890,564	\$3,604,847	\$3,445,594	\$3,085,358	\$3,234,247	\$5,797,763	

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

NATIONAL GRID

DOCKET No. 4199

REBUTTAL TESTIMONY

OF

JOHN F. NESTOR, III

October 14, 2010

## **Table of Contents**

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### I. <u>INTRODUCTION</u>

### 1 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

- 2 A. My name is John F. Nestor, III. My business address is Reservoir Woods, 40 Sylvan
- Road, Waltham, Massachusetts 02451-1120.

#### 4 Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS DOCKET?

- 5 A. Yes. I previously submitted pre-filed Direct Testimony in this docket on September
- 6 1, 2010.

### 7 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

- 8 A. The purpose of this rebuttal testimony is to address the Gas Cost Recovery ("GCR")
- 9 issues raised in the October 7, 2010 Direct Testimony of Bruce R. Oliver on behalf of
- the Division of Public Utilities and Carriers ("Division"). Specifically, this testimony
- addresses Mr. Oliver's comments regarding "inconsistencies" in the Company's GCR
- Deferred Balances in Attachment NG-JFN-1 pages 6-9. I further address Mr.
- Oliver's adjustment of the Natural Gas Portfolio Management Plan ("NGPMP")
- customer benefits, increasing it to \$3,400,000. In addition, I address Mr. Oliver's
- adjustment of LNG costs to reflect the position he has taken in the Distribution
- Adjustment Charge ("DAC") proceeding, to establish the System Pressure Factor at
- zero ("\$0.000"). Finally, I discuss Mr. Oliver's recommendation to reject \$1,348,893

1		of a \$6.2M adjustment to gas costs included in the Annual Gas Cost Reconciliation
2		Report that he characterizes as out-of-period adjustments.
3		This testimony also provides updated gas cost rates based upon the changes and
4		modifications identified in the Rebuttal Testimony of Ms. Arangio, as well as an
5		updated impact of these new proposed gas rates on customer bills
6	Q.	ARE YOU SPONSORING ANY ATTACHMENTS TO YOUR TESTIMONY?
7	A.	Yes. I am sponsoring the following Attachments:
8 9 10 11 12		Attachment NG-JFN-1S- Gas Cost Recovery Factors Attachment NG-JFN-3S Projected Gas Cost Balances Attachment NG-JFN-4S Bill Impacts Attachment NG-JFN-5S NGV Tariff Attachment NG-JFN-6S Marketer Transportation Factors
	II.	GCR ISSUES
13	Q.	BEFORE ADDRESSING THE SPECIFIC ISSUES IDENTIFIED ABOVE,
14		WOULD YOU PLEASE ADDRESS MR. OLIVER'S COMMENTS
15		CONCERNING THE SUPPORTING DOCUMENTS FOR FUTURE GCR
16		FILINGS (OLIVER DIRECT at 40-41).
17	A.	The Company would agree with Mr. Oliver's assessments and request that the
18		Company provide the Division with copies of all electronic spreadsheets at the time
19		of filing future GCR filings. To the extent the information is readily available at that

NATIONAL GRID RHODE ISLAND - GAS

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1		time, the Company is willing to provide this information to the Division and the								
2		Commission. <sup>1</sup> This will make information more timely available for review by the								
3		Division and Commission staff and will assist in focusing and limiting the scope of								
4		discovery in the future.								
5	Q.	PLEASE ADDRESS MR. OLIVER'S COMMENTS ON								
6		"INCONSISTENCIES" IN ATTACHMENT NG-JFN-1, PAGES 6-9. (OLIVER								
7		DIRECT 7-9)								
8		Mr. Oliver identifies what he perceives to be monthly "inconsistencies" in the								
9		Company's gas cost account balances in Attachment NG-JFN-1. However, his								
10		observations do not take into account additional information that was submitted to the								
11		Commission. As stated on page 4, footnote 2 of my direct testimony, the Company								
12		was aware of a double-counting adjustment that had occurred in the Storage Variable								
13		Product Costs-UG since November of 2009 and provided an adjustment at the time of								
14		its September 1 GCR filing in this docket. Specifically, my direct testimony stated								
15		that:								
16 17 18 19		The Deferred Balance of \$6,727,553 includes a one-time adjustment for Storage Variable Product Costs-UG that will be made with the September 20th Deferred Report filing to account for a double-counting of these costs that had been included incorrectly in prior periods. This								

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Some spreadsheet information in the GCR relies upon other software programs that can not easily be provided. Also, the Company and the Division will need to sign a protective agreement before certain spreadsheets can be made available. To this end, the Company would be willing to work with the Division on formalizing a process to have a protective agreement in place at the time of filing future GCR cases.

adjustment results in lowering the reported July Deferred Balance of \$7,423,481 by \$695,928 for purposes of calculating GCR rates.

At the time the GCR was filed, the \$695,928 variance represented the difference between the October 31st Ending Balance as filed in the July 2010 Deferred Report and the best estimate of what the projected October 31st Ending Balance would be in the next deferred filing, the August Deferred Report, after the correction for double-counting. It is not meant to be the estimated adjustments for certain categories such as the Storage Variable and Variable Non-Products categories as Mr. Oliver observed.

Additionally, in its September 20 Deferred Balance report the Company recorded this double-counting adjustment in the month of August consistent with how these types of adjustments have been handled in the past. That is, the Company did not go back and recalculated each month of the Deferred Balance report. Thus, when Mr. Oliver indicates that the monthly totals for items such as the "Monthly Average Balances" do not reconcile he is correct because these months included the double-counting. However, the August adjustment corrects these problems and appropriately resets the category balances going forward.

As noted above, producing the spreadsheets to the Division and Commission with future GCR filings should help to limit these types of issues in the future as it will better enable the Division and the Commission to examine the underlying data relied upon in the GCR filing.

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#### Q. PLEASE ADDRESS MR. OLIVER'S RECOMMENDATION TO MAINTAIN

- 2 **THE NGPMP CREDIT AT \$3,400,000.**
- A. Although the Company's initial filing included a \$2,400,000 credit based upon the results experienced this past year, a level it believes is a better measure of the likely credit given current market conditions, the Company is willing to adopt his recommendation to establish the NGPMP credit of \$3,400,000 for this filing.

# Q. PLEASE ADDRESS MR. OLIVER'S ADJUSTMENT TO THE ALLOCATION OF LNG TO THE DAC. (Exhibit BRO-7, pages 3-5)

Consistent with the position that he set forth in Docket No. 4196 to establish the System Pressure factor in the DAC at zero ('\$0.000"), Mr. Oliver adjusts both the Storage Fixed (\$661,228) and Storage Variable (\$349,551) factors<sup>2</sup> to eliminate the allocation of LNG to the DAC. For the reasons set forth in my rebuttal testimony of October 6, 2010 in Docket No. 4196, the Company would recommend that the System Pressure allocation factor be maintained at 16.8% until a new study can be prepared. This approach better reflects the use of LNG for System Pressure in the coming year and has the benefit of maintaining the underlying regulatory policy that both sales and marketer customers should pay a portion of any System Pressure LNG

The Storage Variable factor also includes an adjustment of \$96,562 for Inventory Financing.

1		support. (Docket No. 4196, Nestor Rebuttal at 5-7). Accordingly, the Commission
2		should not adopt Mr. Oliver's adjustments to LNG in this proceeding.
3	Q.	PLEASE ADDRESS MR. OLIVER'S RECOMMENDATION TO DISALLOW
4		\$1,348,893 OF THE COMPANY'S \$6,173,538 GAS COST ADJUSTMENT IN
5		THE ANNUAL GAS COST RECONCILIATION FILING. (OLIVER DIRECT
6		at 30-36)
7	A.	Mr. Oliver's recommends that the Commission disallow \$1,348,893 of a \$6,173,538
8		gas cost adjustment that was recorded in April of 2010, because this amount relates to
9		May and June of 2009. According to Mr. Oliver, the Annual Gas Cost Reconciliation
10		filing is intended only to address gas costs for the period between July 1, 2009 and
11		June 30, 2010. (Oliver Direct at 30 emphasis added) He asserts that once an annual
12		reconciliation filing has been accepted and new GCR rates established, it would be
13		retroactive ratemaking for the Commission to include in this year's GCR rates these
14		two months of costs that related to a prior period. (Oliver Direct at 36)
15		Mr. Oliver's recommendation should be rejected. His recommendation is based upon
16		an incorrect legal foundation; conflicts directly with past Commission precedent; and
17		seeks to establish a new regulatory policy that would undermine and eliminate
18		appropriate benefits for customers.
19		As part of his argument, Mr. Oliver relies upon the Company's tariff for support of
20		his view that only gas costs for the July to June period may be included in the Annual

Reconciliation. (Oliver Direct at 36) However, a careful reading of the tariff does not support Mr. Oliver's interpretation that prior period adjustments must be excluded from these filings. Rather, the tariff states that "the Annual Reconciliation filing will be made by August 1 of each year containing *actual data*\_for the twelve months ending June 30 of that year." (RI PUC Gas No. 101, Section 2, Schedule A, Sheet 2 *emphasis added*) The tariff does not limit the Annual Reconciliation filing only to gas costs incurred within the July to June period as Mr. Oliver asserts. Rather, the tariff simply requires that the actual data that comprises the Annual Reconciliation filing be information recorded in that timeframe. Consequently, as discussed in more detail below, prior Annual Reconciliation filings have included adjustments from prior periods.

Additionally, Mr. Oliver's reliance on the Commission's decision in <u>Providence Water Supply</u>, Docket No. 3832 ("Providence Water Supply") in support of his arguments on retroactive ratemaking is misplaced. Here again, a careful reading of that Order and the Supreme Court decisions referenced therein actually supports the Company's position that there is no retroactive ratemaking in this case. In particular, unlike the <u>Providence Water Supply</u> proceeding, which was a general distribution rate case where the determination of healthcare expenses for inclusion in distribution rates would have provided a rate benefit to the water company, the \$1.3 million of prior period adjustments included in the Annual Reconciliation filing in this GCR proceeding relates only to the recovery of gas costs. The Company does not profit

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from gas costs, rather through the Annual Reconciliation filing it only seeks to recover costs designed to be passed through on a regularly occurring basis.<sup>3</sup> There is no financial incentive or benefit for the Company to misstate gas costs. Company is not seeking to increase distribution rates in this case but simply to recover gas costs that it has incurred on behalf of its customers. As was explained in the Company's May Deferred Balance report and on separate calls with the Division, as well as in the Company's Response to DIV 3-1, the \$6.2 million adjustment, including the \$1.3 million prior period adjustment, resulted from the Company's correctly recording gas costs to the Company ledger where the Company bought and sold gas to a supplier in a month but incorrectly reported a "net" amount for regulatory Deferred Balance reporting. The error was directly related to changes in the accounting process that were put in place in April 2009 when the Company switched from the outsourcing of gas supply purchasing, which it had done for over a decade, to insourcing the function as part of the NGPMP. That change was very complex from an accounting and controls standpoint because it involved a large number of transactions involving both payments and receivables and additional controls to provide proper oversight of the futures trading used to lock in storage related benefits to customers. This incorrect reporting was discovered in April 2010 and reported in the next month's deferral report. The Company has corrected the

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Mr. Oliver's statement that the Company may not have prudently incurred these gas costs is unsupported and incorrect as the Company provided the adjustment in the Company's Response to

problem and conducted a further review of accounting procedures and put in place additional processes to ensure that the inputs to the Deferred Report are correct for reporting future gas costs.<sup>4</sup>

Moreover, as the Commission recognized in the <u>Provide Water Supply</u> decision, the Rhode Island Supreme Court has noted that an exception to the policy of retroactive ratemaking exists for past costs related to a reconciliation tariff. Specifically, the Commission stated:

Second, there is an exception for reviews of past costs in conjunction with a reconciliation tariff. For instance, noting that "the specter of retroactive ratemaking must not be viewed as a talismanic inhibition against the application of principles based upon equity and common sense" the Court found that a review of past costs associated with a reconciliation tariff was not retroactive ratemaking. Providence Water Supply at 60 citing *Roberts v Narragansett Electric Co.*,470 A2d. 215,217 (R.I. 1984)

While Mr. Oliver acknowledges this exception, his only attempt to distinguish its applicability is based upon his strained interpretation of the tariff noted above. (Oliver Direct at 35-36) Instead, the Company agrees with the Commission and the Supreme Court that equity and common sense should guide the Commission in this case. The underlying purpose of the GCR charge, as stated in the applicable Commission-approved tariff, is to recover all costs of gas supplies. (RIPUC NG No.

DIV 3-1. If Mr. Oliver had evidence that the Company had imprudently incurred \$6.2M in gas costs he should have recommended to disallow all of these costs.

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101, Section 2, Schedule A, Sheet 1, clause 1.1). The \$1.3 million prior period adjustment in this proceeding relates to costs designed to be passed through on a regularly occurring basis within a reconciliation tariff (the Annual Reconciliation and GCR filings) and results from an inadvertent mistake that relates to only two months prior to the current Annual Reconciliation filing period. As such, it is consistent with past Commission precedent for prior period adjustments to be adjusted in Annual Reconciliation Filings in the GCR.

For example, in last year's GCR filing in Docket No. 4097, the Commission approved the Annual Reconciliation filing for the July 2008 to June 2009 period with a prior period adjustment for non-firm gas costs dating back to February 2008. In the 2008 GCR filing in Docket No. 3982, the Annual Reconciliation filing for the July 2007 to June 2008 period was approved with prior period adjustments for June of 2007. This also was the case with the 2007 GCR filing which was approved by the Commission with prior period adjustments for June 2006. In short, the Company's request to recover all of the \$6.2 million adjustment is consistent with past Commission practice.<sup>5</sup>

See Company Response to DIV 3-2.

One reason out of period adjustments occur in the GCR filing is because the Annual Reconciliation Balance Report is based upon the Providence Gas fiscal year (July to June) whereas National Grid's accounting processes are structured around National Grid's fiscal year (April to March). As noted above, this adjustment was discovered in April of 2010 as part of National Grid's fiscal year review. The Company would be willing to discuss possible future modifications to the tariff with the Division to address this issue.

On the other hand, Mr. Oliver's recommendation would change the Commission's practice and establish a new regulatory policy that excludes prior period gas cost adjustments. Such a new regulatory policy would undermine and eliminate customer benefits. Prior period adjustments can both increase and decrease gas costs. For example, if the \$1.3M prior period adjustment in gas costs in this case had resulted from a double counting of gas costs, then consistent with Mr. Oliver's position the Company would not pass on these lower gas costs to customers. In fact, under Mr. Oliver's interpretation, the Company should eliminate most of the \$695,928 double counting adjustment of gas costs that the Company made in its September Deferred

Balance report since they relate back to November of 2009, which would be a prior

period adjustment for next year's Annual Reconciliation filing.

Likewise, prior period adjustments include refunds, such as the \$789,299 Tennessee pipeline refunds that the Company has included in the Annual Reconciliation filing. RIPUC, No. 101, Section 2, Schedule A, Sheet 13 provides that refunds resulting from gas supply overcharges may be returned to customers or credited to gas costs if received in the most recent sixty (60) month period. It would be patently unfair to include in the Annual Reconciliation filing adjustments to gas cost that go back sixty months, but not permit gas cost adjustments in this case that only go back two months. Moreover, some types of refunds could be a over 60 month old and under Mr. Oliver's view these arguably would be excluded from the current GCR rates and possibly future GCR rates.

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In summary, based upon the above, the Commission should reject Mr. Oliver's recommended adjustment of \$1,348,893 in gas cost and consistent with its past precedent approve the entire \$6,173,538 gas cost adjustment and the Company's Annual Reconciliation filing.

### III. GCR RATES

# 6 Q. PLEASE EXPLAIN THE MODIFICATIONS THE COMPANY HAS MADE IN

#### UPDATING THE PROPOSED GCR RATES.

The Company has made three modifications in updating its GCR rates. As described in the rebuttal testimony of Ms. Arangio, the Company has eliminated a double counting of costs related to a DistriGas contract. In addition, the Company has modified the demand charges for LNG consistent with my System Pressure testimony submitted in the DAC proceeding on October 6, 2010 in Docket No. 4196. This modification eliminates \$1,971,000 of demand charges. In addition, the schedules have been updated to reflect the forecasted throughput that was modified in the September 27, 2010 DAC errata filing to eliminate the double counting of dual-fuel customer throughput. Finally, the Company has included Mr. Oliver's adjustment of \$3,400,000 for the NGPMP credit.

### Q. WHAT ARE THE FINAL PROPOSED CGR RATES?

A. The final proposed GCR rates are set forth in Attachment NG-JFN-1S. As shown on that attachment, the Company is now proposing for Residential Non-Heating and Large and Extra Large High Load customers a rate of \$0.8803 per therm. For Residential Heating, Small and Medium C&I and Large and Extra Large Low Load customers, the Company is now proposing a rate of \$0.9091 per therm. Finally, the Company is proposing and FT-2 Marketer rate of \$0.0376 and a Natural Gas Vehicle rate of \$0.7436.

### 9 IV. <u>BILL IMPACTS</u>

#### 10 Q. WHAT IS THE IMPACT OF THE PROPOSED GCR RATE ON

#### 11 **CUSTOMERS?**

- 12 A. With the changes referenced above, the overall impact of the proposed GCR rate on
- the annual bill of an average residential heating customer utilizing 922 therms is a
- reduction of \$157.68 which when considered with the proposed DAC rate represents
- an overall bill reduction of 9.3%.

### 16 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

17 A. Yes.

Line <u>No.</u>	<u>Description</u> (a)	Reference (b)	Residential Non-Heat (c)	Residential <u>Heat</u> (d)	Small <u>C&amp;l</u> (e)	Medium <u>C&amp;I</u> (f)	Large <u>LLF</u> (g)	Large <u>HLF</u> (h)	Extra Large LLF (i)	Extra Large HLF (j)	FT-2 <u>Mkter</u> (k)	NGV (I)
1	Supply Fixed Cost Factor	pg. 2	\$0.6341	\$0.8190	\$0.8190	\$0.8190	\$0.8190	\$0.6341	\$0.8190	\$0.6341	n/a	\$0.6341
2	Storage Fixed Cost Factor	pg. 3	\$0.3032	\$0.3984	\$0.3984	\$0.3984	\$0.3984	\$0.3032	\$0.3984	\$0.3032	\$0.3841	
3	Supply Variable Cost Factor	pg. 4	\$6.6193	\$6.6193	\$6.6193	\$6.6193	\$6.6193	\$6.6193	\$6.6193	\$6.6193	n/a	\$6.6193
4a	Storage Variable Product Cost Factor	pg. 5	\$1.0566	\$1.0566	\$1.0566	\$1.0566	\$1.0566	\$1.0566	\$1.0566	\$1.0566	n/a	
4b	Storage Variable Non-product Cost Factor	pg. 5	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	(\$0.0263)	
5	Total Gas Cost Recovery Charge	(1)+(2)+(3)+(4)	\$8.5869	\$8.8670	\$8.8670	\$8.8670	\$8.8670	\$8.5869	\$8.8670	\$8.5869	\$0.3578	\$7.2534
6	Uncollectible %	Docket 3943	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%	2.46%
7	Total GCR Charge adjusted for Uncollectibles	(5) / [(1 - (6)]	\$8.8035	\$9.0906	\$9.0906	\$9.0906	\$9.0906	\$8.8035	\$9.0906	\$8.8035	\$0.3669	\$7.4363
8	GCR Charge on a per therm basis	(7) / 10	\$0.8803	\$0.9091	\$0.9091	\$0.9091	\$0.9091	\$0.8803	\$0.9091	\$0.8803	\$0.0367	\$0.7436
0	GCK Charge on a per therm basis	(7) / 10	<b>Ф</b> 0.0003	<b>Ф</b> 0.3031	φυ.303 i	<b>Ф</b> 0.3031	<b>Ф</b> 0.303 I	<b>Ф</b> 0.0003	<b>Ф</b> 0.909 I	φυ.οου3	<b>φυ.υσυ</b> 1	<b>φ</b> 0.7430
	Current rate effective 11/01/09 difference		\$1.0338 (\$0.1535) -14.8%	\$1.0801 (\$0.1710) -15.8%	\$1.0801 (\$0.1710) -15.8%	\$1.0801 (\$0.1710) -15.8%	\$1.0801 (\$0.1710) -15.8%	\$1.0338 (\$0.1535) -14.8%	\$1.0801 (\$0.1710) -15.8%	\$1.0338 (\$0.1535) -14.8%	\$0.0337 \$0.0030 8.9%	\$0.9091 (\$0.1655) -18.2%

Line No. <u>Description</u> (a)	Reference (b)	Amount (c)	Residential <u>Heating</u> (d)	Small <u>C&amp;I</u> (e)	Medium <u>C&amp;I</u> (f)	Large <u>LLF</u> (g)	Extra Large LLF (h)	Low Load Factor Total (i)	Residential Non-Heat (j)	Large <u>HLF</u> (k)	Extra Large HLF (I)	High Load Factor Total (m)	Line <u>No.</u>
1 Supply Fixed Costs (net of Cap Rel to marketers)	) EDA-1	\$27,527,751											1
<ul> <li>2 Less:</li> <li>3 NGPMP Customer Benefit</li> <li>4 Interruptible Costs</li> <li>5 Non-Firm Sales Costs</li> <li>6 Off-System Sales Margin</li> <li>7 Refunds</li> <li>8 Total Credits</li> </ul>	EDA-1 sum[(3):(7)]	\$3,400,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0											2 3 4 5 6 7 8
<ul> <li>9 Plus:</li> <li>10 Working Capital Requirement</li> <li>11 Reconciliation Amount</li> <li>12 Total Additions</li> </ul>	pg 10 pg 8 (10) + (11)	\$187,026 (\$4,680,040) (\$4,493,014)											9 10 11 12
13 Total Supply Fixed Costs	(1) - (8) + (12)	\$19,634,737											13
14 Design Winter Sales Percentage	pg 15		69.99%	8.66%	12.97%	3.69%	1.29%	96.60%	2.18%	0.72%	0.49%	3.40%	14
15 Allocated Supply Fixed Costs	(13) x (14)		\$13,742,224	\$1,700,245	\$2,546,504	\$725,232	\$253,441	\$18,967,647	\$428,496	\$142,025	\$96,569	\$667,090	15
16 Sales (Dt) Nov 2010 - Oct 2011	pg 14	24,212,727	16,815,263	1,986,681	3,246,619	847,842	264,369	23,160,773	698,210	222,462	131,282	1,051,954	16
17 Supply Fixed Factor	(15) / (16)							\$0.8190				\$0.6341	17

Line <u>No.</u>	<u>Description</u> (a)	Reference (b)	Amount (c)	Residential <u>Heating</u> (d)	Small <u>C&amp;I</u> (e)	Medium <u>C&amp;I</u> (f)	Large <u>LLF</u> (g)	Extra Large LLF (h)	Low Load Factor Total (i)	Residential Non-Heat (j)	Large <u>HLF</u> (k)	Extra Large HLF (I)	High Load Factor Total (m)	Line <u>No.</u>
1	Storage Fixed Costs	EDA-1	\$9,483,439											1
2 3 4 5 6	Less: LNG Demand to DAC Credits Refunds Total Credits	EDA-2/Dkt 3943 — sum [(3):(5)]	\$330,100 \$0 \$0 \$330,100											2 3 4 5 6
7 8 9 10 11	Plus: Supply Related LNG O&M Costs Working Capital Requirement Reconciliation Amount Total Additions	Rate Case pg 10 pg 8 sum [(8):(10)]	\$618,591 \$66,391 \$256,010 \$940,993											7 8 9 10 11
12	Total Storage Fixed Costs	(1) - (6) + (11)	\$10,094,332											12
13	Design Winter Throughput Percentage	pg 15		66.39%	8.21%	14.61%	5.81%	1.33%	96.35%	2.07%	1.06%	0.52%	3.65%	13
14	Allocated Storage Fixed Costs	(12) x (13)		\$6,701,697	\$829,162	\$1,474,820	\$586,391	\$133,872	\$9,725,943	\$208,966	\$107,288	\$52,136	\$368,390	14
15	Throughput (Dt) Nov 10 - Oct 11	pg 14	25,629,430	16,815,263	1,986,681	3,896,621	1,428,798	287,165	24,414,527	698,210	367,208	149,485	1,214,903	15
16	Storage Fixed Factor	(14) / (15)							\$0.3984				\$0.3032	16

Line <u>No.</u>	Description	Reference	<u>Amount</u>	Line <u>No.</u>
1	Variable Supply Costs	EDA-1	\$147,816,198	1
2	Less:			2
3	Non-Firm Sales		\$0	3
4	Variable Delivery Storage Costs	EDA-2 pg 16	\$0	4
5	Variable Injection Storage Costs	EDA Storage Inj	\$0	5
6	Fuel Costs Allocated to Storage	EDA-2	\$325,199	6
7	Refunds (Tennessee Pipeline PCB)	_	\$1,627,056	7
8	Total Credits	sum [(3):(7)]	\$1,952,255	8
9	Plus:			9
10	Working Capital	pg 11	\$1,002,067	10
11	Reconciliation Amount	pg 8	\$13,406,402	11
12	Total Additions	(10)+(11)	\$14,408,470	12
13	Total Variable Supply Costs	(1)-(8)+(12)	\$160,272,412	13
14	Sales (Dt) Nov 2010 - Oct 2011	pg 14	24,212,727	14
15	Supply Variable Cost Factor	(13)/(14)	\$ <u>6.6193</u>	15

Line <u>No.</u>	<u>Description</u>	Reference	<u>Amount</u>	Line <u>No.</u>
1	Storage Variable Product Costs	EDA 1	\$23,129,946	1
2 3 4 5	Less: Balancing Related LNG Costs (to DAC) Refunds Total Credits	EDA 2/Dkt 3943 (3)+(4)	\$0 \$0 \$0	2 3 4 5
6 7 8 9 10 11 12	Plus: Supply Related LNG O&M Working Capital Inventory Financing - LNG (Supply) Inventory Financing - Storage Reconciliation Amount Total Additions	Docket 3943 pg 11 pg 13 pg 13 pg 9 sum[(7):(12)]	\$430,129 \$160,069 \$478,213 \$1,844,679 (\$460,482) \$2,452,609	6 7 8 9 10 11 12
13	Total Storage Variable Costs	(1)-(5)+(13)	\$25,582,555	13
14	Sales (Dt) Nov 2010 - Oct 2011	pg 14	24,212,727	14
15	Storage Variable Product Cost Factor	(14) / (15)	\$ <u>1.0566</u>	15
16	Storage Variable Non-Product Costs	EDA-1	\$715,645	16
17 18 19	Less: Refunds Total Credits	_	\$0 \$0	17 18 19
20	Plus:			20

21 22 23 24 25 26 27	Variable Delivery Storage Costs Variable Injection Storage Costs Fuel Costs Allocated to Storage - Injection Working Capital Inventory Financing - Storage Reconciliation Amount Total Additions	pg 5 pg 5 pg 5 pg 12 pg 13 pg 9 sum[(22):(27)]	\$0 \$74,252 \$325,199 \$4,862 \$0 (\$1,794,337) (\$1,390,023)	21 22 23 24 25 26 27	
28	Total Storage Variable Costs	(17)-(20)+(28)	(\$674,378)	28	
29	Throughput (Dt)	pg 12	25,629,430	29	
30	Storage Variable Non-Product Cost Factor	(29) / (30)	( <u>\$0.0263</u> )	30	

		Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	
1 :		30	31	31	30	31	Lina
Line		actual	actual	fcst	fcst	fcst	Line
<u>No.</u>	I. Supply Fixed Cost Deferred						<u>No.</u>
1	Beginning Balance	(\$11,723,134)	(\$10,947,773)	(\$9,171,582)	(\$7,552,571)	(\$5,992,424)	1
2	Supply Fixed Costs (net of cap rel)	\$1,780,218	\$2,620,430	\$2,477,975	\$2,477,914	\$2,477,975	2
3	Capacity Release	\$0	\$0	\$0	\$0	\$0	3
4	Working Capital	\$13.239	\$19,488	\$18,428	\$18,428	\$18,428	4
5	Total Supply Fixed Costs	\$1,793,457	\$2,639,918	\$2,496,403	\$2,496,342	\$2,496,403	5
6	Supply Fixed - Collections	\$806,558	\$653,159	\$668,625	\$729,343	\$978,464	6
7	Prelim. Ending Balance	(\$10,736,235)	(\$8,961,014)	(\$7,343,804)	(\$5,785,572)	(\$4,474,484)	7
8	Month's Average Balance	(\$11,229,685)	(\$9,954,393)	(\$8,257,693)	(\$6,669,071)	(\$5,233,454)	8
9	Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	1.25%	9
10	Interest Applied	(\$11,537)	(\$10,568)	(\$8,767)	(\$6,852)	(\$5,556)	10
11	Natural Gas Portfolio Management Plan	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	
12	Supply Fixed Ending Balance	(\$10,947,773)	(\$9,171,582)	(\$7,552,571)	(\$5,992,424)	(\$4,680,040)	12
	II. Storage Fixed Cost Deferred	(0)	(0	(4	(0-10-00)	(0	
13	Beginning Balance	(\$1,622,104)	(\$1,137,242)	(\$1,277,032)	(\$713,885)	(\$175,056)	13
14	Storage Fixed Costs	\$853,488	\$19,866	\$823,721	\$822,521	\$823,721	14
15	LNG Demand to DAC	(\$64,296)	\$75,414	(\$26,460)	(\$26,460)	(\$26,460)	15
16	Supply Related LNG O & M	\$51,549	\$51,549	\$51,549	\$51,549	\$51,549	16
17	Working Capital	\$6,252	\$1,092	\$6,312	\$6,304	\$6,312	17
18	Total Storage Fixed Costs	\$846,994	\$147,922	\$855,123	\$853,914	\$855,123	18
19	TSS Peaking Collections	\$0	\$0	\$0	\$0	\$0	19
20	Storage Fixed - Collections	\$360,715	\$286,431	\$290,919	\$314,628	\$424,099	20
21	Prelim. Ending Balance	(\$1,135,825)	(\$1,275,751)	(\$712,829)	(\$174,599)	\$255,968	21
22	Month's Average Balance	(\$1,378,965)	(\$1,206,497)	(\$994,930)	(\$444,242)	\$40,456	22 23
23 24	Interest Rate (BOA Prime minus 200 bp Interest Applied	1.25% (\$1,417)	1.25% (\$1,281)	1.25% (\$1,056)	1.25% (\$456)	1.25% \$43	23 24
25	Storage Fixed Ending Balance	(\$1,137,242)	(\$1,277,032)	(\$713,885)	(\$175,056)	\$256,010	25
20	Glorage Fixed Ending Balance	(ψ1,101,242)	(ψ1,277,002)	(ψ7 10,000)	(ψ173,030)	Ψ230,010	20
	III. Variable Supply Cost Deferred	<b>*</b>	<b>.</b>	<b></b>	<b></b>	<b></b>	
26	Beginning Balance	\$17,535,102	\$14,983,728	\$12,125,403	\$11,369,138	\$10,761,502	26
27	Variable Supply Costs	\$4,668,653	\$2,978,384	\$5,196,861	\$5,843,800	\$11,250,462	27
28	Variable Delivery Storage	\$0	\$0	\$0	\$0	\$0	28

		Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	
		30	31	31	30	31	
Line		actual	actual	fcst	fcst	fcst	Line
No.							No.
29	Variable Injections Storage	(\$13,932)	(\$8,143)	(\$7,185)	(\$361)	(\$9,372)	29
30	Fuel Cost Allocated to Storage	(\$74,192)	(\$39,785)	(\$31,783)	(\$2,757)	(\$52,733)	30
31	Working Capital	\$34,065	\$21,793	\$38,358	\$43,436	\$83,206	31
32	Total Supply Variable Costs	\$4,614,594	\$2,952,250	\$5,196,251	\$5,884,119	\$11,271,562	32
33	Supply Variable - Collections	\$7,191,128	\$5,836,080	\$5,964,982	\$6,503,117	\$8,639,485	33
34	Customer Deferred Responsibility	(\$8,464)	(\$11,123)	\$0	\$0	\$0	34
35	Prelim. Ending Balance	\$14,967,032	\$12,111,021	\$11,356,673	\$10,750,140	\$13,393,580	35
36	Month's Average Balance	\$16,251,067	\$13,547,374	\$11,741,038	\$11,059,639	\$12,077,541	36
37	Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	1.25%	37
38	Interest Applied	\$16,696	\$14,382	\$12,465	\$11,363	\$12,822	38
39	Gas Procurement Incentive/(penalty)	\$0	\$0	\$0	\$0	\$0	
40	Supply Variable Ending Balance	\$14,983,728	\$12,125,403	\$11,369,138	\$10,761,502	\$13,406,402	40

		Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	
		30	31	31	30	31	
Line		actual	actual	fcst	fcst	fcst	Line
No.							No.
	IVa. Storage Variable Product Cost Deferred	l					
41	Beginning Balance	(\$1,778,549)	(\$1,502,844)	(\$1,195,826)	(\$919,339)	(\$656,882)	41
42	Storage Variable Prod. Costs - LNG	\$152,156	\$125,679	\$112,034	\$107,700	\$111,215	42
43	Storage Variable Prod. Costs - LP	\$0	\$0	\$0	\$0	\$0	43
44	Storage Variable Prod. Costs - UG	\$86,591	\$170,997	(\$690,413)	\$0	\$0	44
45	Supply Related LNG to DAC	(\$25,562)	(\$101,011)	(\$18,822)	(\$18,094)	(\$18,684)	45
46	Supply Related LNG O & M	\$35,844	\$35,844	\$35,844	\$35,844	\$35,844	46
47	Inventory Financing - LNG	\$44,153	\$44,244	\$39,286	\$39,116	\$38,942	47
48	Inventory Financing - UG	\$216,366	\$226,970	\$306,594	\$307,945	\$307,945	48
49	Inventory Financing - LP	\$0	\$0	\$0	\$0	\$0	49
50	Working Capital	\$1,852	\$1,722	(\$4,175)	\$933	\$955	50
51	Total Storage Variable Product Costs	\$508,844	\$496,285	(\$219,652)	\$473,444	\$476,216	51
52	Storage Variable Product Collections	\$231,454	\$187,835	\$192,785	\$210,178	\$279,224	52
53	Prelim. Ending Balance	(\$1,501,159)	(\$1,194,394)	(\$1,608,263)	(\$656,072)	(\$459,890)	53
54	Month's Average Balance	(\$1,639,854)	(\$1,348,619)	(\$1,402,044)	(\$787,706)	(\$558,386)	54
55	Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	1.25%	55
56	Interest Applied	(\$1,685)	(\$1,432)	(\$1,488)	(\$809)	(\$593)	56
57	Storage Variable Product Ending Bal.	(\$1,502,844)	(\$1,195,826)	(\$919,339)	(\$656,882)	(\$460,482)	57
	IVb. Stor Var Non-Prod Cost Deferred						
58	Beginning Balance	(\$2,277,627)	(\$2,159,310)	(\$2,078,279)	(\$1,988,658)	(\$1,930,757)	58
59	Storage Variable Non-prod. Costs	\$2,557	\$8,161	\$0	\$0	\$0	59
60	Variable Delivery Storage Costs	\$687	\$2,201	\$0	\$0	\$0	60
61	Variable Injection Storage Costs	\$10,301	\$3,844	\$7,185	\$361	\$9,372	61
62	Fuel Costs Allocated to Storage	\$41,793	\$17,253	\$31,783	\$2,757	\$52,733	62
63	Working Capital	\$412	\$234	\$290	\$23	\$462	63
64	Total Storage Var Non-product Costs	\$55,749	\$31,693	\$39,258	\$3,141	\$62,568	64
65	Storage Var Non-Product Collections	(\$64,846)	(\$51,587)	(\$52,521)	(\$56,772)	(\$75,829)	65
66	Prelim. Ending Balance	(\$2,157,032)	(\$2,076,031)	(\$1,986,500)	(\$1,928,745)	(\$1,792,361)	66
67	Month's Average Balance	(\$2,217,330)	(\$2,117,671)	(\$2,032,389)	(\$1,958,701)	(\$1,861,559)	67
68	Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	1.25%	68
69	Interest Applied	(\$2,278)	(\$2,248)	(\$2,158)	(\$2,012)	(\$1,976)	69
70	Storage Var Non-Product Ending Bal.	(\$2,159,310)	(\$2,078,279)	(\$1,988,658)	(\$1,930,757)	(\$1,794,337)	70

		Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	
		30	31	31	30	31	
Line		actual	actual	fcst	fcst	fcst	Line
No.							<u>No.</u>
	GCR Deferred Summary						
71	Beginning Balance	\$813,383	(\$81,189)	(\$906,903)	\$194,686	\$2,006,384	71
72	Gas Costs	\$7,766,374	\$6,231,899	\$8,308,169	\$9,641,835	\$15,052,509	72
73	Working Capital	\$55,820	\$44,329	\$59,214	\$69,124	\$109,363	73
74	Total Costs	\$7,822,194	\$6,276,228	\$8,367,384	\$9,710,959	\$15,161,873	74
75	Collections	\$8,516,545	\$6,900,795	\$7,064,790	\$7,700,494	\$10,245,443	75
76	Prelim. Ending Balance	\$119,031	(\$705,756)	\$395,691	\$2,205,151	\$6,922,813	76
77	Month's Average Balance	\$466,207	(\$393,473)	(\$255,606)	\$1,199,919	\$4,464,599	77
78	Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	1.25%	78
79	Interest Applied	(\$221)	(\$1,146)	(\$1,004)	\$1,233	\$4,740	79
80	Gas Purchase Plan Incentives/(Penaltie	\$0	\$0	\$0	\$0	\$0	80
81	NGPMP Credit	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	
82	Ending Bal. W/ Interest	(\$81,189)	(\$906,903)	\$194,686	\$2,006,384	\$6,727,553	82
83	Under/(Over)-collection	(\$694,351)	(\$624,567)	\$1,302,593	\$2,010,465	\$4,916,429	83

Natonal Grid Rhode Island - Gas

Line <u>No.</u>	Description	Reference	Amount	Line <u>No.</u>	Line <u>No.                                    </u>	Reference	Amount	Line No.	Line <u>No.</u>	<u>Description</u>	Reference	Amount	Line <u>No.</u>
	(a)	(b)	(c)		(a)	(b)	(c)			(a)	(b)	(c)	
1 2	Supply Fixed Costs (net of Cap Rel	EDA-1	\$27,527,751 \$0	1 2	1 Supply Variable Costs 2 Credits	EDA-1	\$147,816,198 \$325,199	1 2	1 Storag 2 Credits	e Variable Non-Product Costs	EDA-1	\$715,645 \$0	
3	Allowable Working Capital Costs	(1) - (2)	\$27,527,751	3	3 Allowable Working Capital Costs	(1) - (2)	\$147,490,999	3	3 Allowa	ole Working Capital Costs	(1) - (2)	\$715,645	3
4	Number of Days Lag	Docket 3943	24.40	4	4 Number of Days Lag	Docket 3943	24.40	4	4 Numbe	r of Days Lag	Docket 3943	24.40	4
	Working Capital Requirement	[(3) x (4)] / 365	\$1,840,211		5 Working Capital Requirement	[(3) x (4)] / 365	\$9,859,672			g Capital Requirement	[(3) x (4)] / 365	\$47,840	
	Cost of Capital	Docket 4196	7.47%		6 Cost of Capital	Docket 4196	7.47%		6 Cost of		Docket 4196	7.47%	
7	Return on Working Capital Requirement	(5) x (6)	\$137,387	7	7 Return on Working Capital Requirement	(5) x (6)	\$736,108	7	7 Return	on Working Capital Requirement	(5) x (6)	\$3,572	7
8	Weighted Cost of Debt	Docket 4196	2.46%	8	8 Weighted Cost of Debt	Docket 4196	2.46%	8	8 Weight	ed Cost of Debt	Docket 4196	2.46%	
9	Interest Expense	(5) x (8)	\$45,201	9	9 Interest Expense	(5) x (8)	\$242,182	9	9 Interes	Expense	(5) x (8)	\$1,175	9
10	Taxable Income	(7) - (9)	\$92,186	10	10 Taxable Income	(7) - (9)	\$493,925	10	10 Taxabl	e Income	(7) - (9)	\$2,397	10
11	1 - Combined Tax Rate	Docket 3943	0.6500	11	11 1 - Combined Tax Rate	Rate Case	0.6500	11	11 1 - Cor	nbined Tax Rate	Docket 3943	0.6500	11
12	Return and Tax Requirement	(10) / (11)	\$141,825	12	12 Return and Tax Requirement	(10) / (11)	\$759,885	12	12 Return	and Tax Requirement	(10) / (11)	\$3,687	12
13	Supply Fixed Working Capital Requirement	(9) + (12)	\$187,026	13	13 Supply Variable Working Capital Requirement	(9) + (12)	\$1,002,067	13	13 Storag	e Variable Non-product WC Requir.	(9) + (12)	\$4,862	13
									Workin	g Capital Factor		0.68%	
	Storage Fixed Costs	EDA-1	\$9,483,439		14 Storage Variable Product Costs	EDA-1	\$23,129,946						
	Less: LNG Demand to DAC		(\$330,100)		15 Less: Balancing Related LNG Commodity (to DAC)		\$0	15					
	Less: Credits			16	16 Plus: Supply Related LNG O&M Costs	(4.1) (4.5) (4.0)	\$430,129	16					
	Plus: Supply Related LNG O&M Costs Allowable Working Capital Costs	(14)-(15)+(16)+(17	\$618,591 \$9,771,930		17 Allowable Working Capital Costs	(14) + (15) + (16)	\$23,560,075	17					
40	Number of David Lan	Docket 3943	24.40	40	18 Number of Days Lag	Docket 3943	24.40	18					
19	Number of Days Lag	DUCKET 3943	24.40	19	19 Working Capital Requirement	[(17) * (18)] / 365	\$1.574.975	19					
20	Working Capital Requirement	[(18) x (19)] / 365	\$653,247	20	20 Cost of Capital	Docket 4196	7.47%	20					
21	Cost of Capital	Docket 4196	7.47%	21	21 Return on Working Capital Requirement	(19) x (20)	\$117,585	21					
22	Return on Working Capital Requirement	(20) x (21)	\$48,770	22									
					22 Weighted Cost of Debt	Docket 4196	2.46%						
	Weighted Cost of Debt	Docket 4196	2.46%		23 Interest Expense	(19) x (22)	\$38,686	23					
24	Interest Expense	(20) x (23)	\$16,046	24	24 Taxable Income	(21) - (23)	\$78.899	24					
25	Taxable Income	(22) - (24)	\$32,725	25	25 1 - Combined Tax Rate	Rate Case	0.6500						
	1 - Combined Tax Rate	Docket 3943	0.6500		26 Return and Tax Requirement	(24) / (25)	\$121,383	26					
	Return and Tax Requirement	(25) / (26)	\$50,346		·								
28	Storage Fixed Working Capital Requirement	(24) + (27)	\$66,391	28	27 Storage Var. Product Working Capital Requir.	(23) + (26)	\$160,069	27					

Line <u>No.</u>		Nov-10 (c)	<u>Dec-10</u> (d)	<u>Jan-11</u> (e)	<u>Feb-11</u> (f)	<u>Mar-11</u> (g)	<u>Apr-11</u> (h)	<u>May-11</u> (i)	<u>Jun-11</u> (j)	<u>Jul-11</u> (k)	<u>Aug-11</u> (I)	<u>Sep-11</u> (m)	Oct-11 (n)	Total (p)	Line <u>No.</u>
1	Storage Inventory Balance Hedging	\$23,678,819	\$20,322,012	\$13,678,244	\$8,537,946	\$7,645,122	\$11,597,943	\$15,657,328	\$19,556,035	\$21,998,315	\$24,331,900	\$25,355,458	\$25,445,792		1
3 4 5	Subtotal Cost of Capital	\$23,678,819 7.47% \$1,767,824	\$20,322,012 7.47% \$1,517,210	\$13,678,244 7.47% \$1,021,196	\$8,537,946 7.47% \$637,430	\$7,645,122 7.47% \$570,773	\$11,597,943 7.47% \$865,884	\$15,657,328 7.47% \$1,168,952	\$19,556,035 7.47% \$1,460,023	\$21,998,315 7.47% \$1,642,360	\$24,331,900 7.47% \$1,816,582	\$25,355,458 7.47% \$1,892,999	\$25,445,792 7.47% \$1,899,743	\$16,260,973	2
6 7	Weighted Cost of Debt Interest Charges Financed	2.46% \$581,621	2.46% \$499,168	2.46% \$335,978	2.46% \$209,717	2.46% \$187,787	2.46% \$284,879	2.46% \$384,590	2.46% \$480,354	2.46% \$540,343	2.46% \$597,663	2.46% \$622,804	2.46% \$625,023	\$5,349,927	4 5
8 9 10	Taxable Income 1 - Combined Tax Rate Return and Tax Requirement	\$1,186,202 0.6500 \$1,824,927	\$1,018,041 0.6500 \$1,566,217	\$685,218 0.6500 \$1,054,182	\$427,713 0.6500 \$658,019	\$382,986 0.6500 \$589,210	\$581,005 0.6500 \$893,853	\$784,362 0.6500 \$1,206,710	\$979,669 0.6500 \$1,507,184	\$1,102,017 0.6500 \$1,695,410	\$1,218,919 0.6500 \$1,875,260	\$1,270,194 0.6500 \$1,954,145	\$1,274,720 0.6500 \$1,961,107	\$16,786,225	6 7 8
11	Working Capital Requirement	\$2,406,548	\$2,065,386	\$1,390,160	\$867,736	\$776,996	\$1,178,733	\$1,591,300	\$1,987,537	\$2,235,753	\$2,472,922	\$2,576,950	\$2,586,130	\$22,136,152	9
12	Monthly Average	\$200,546	\$172,115	\$115,847	\$72,311	\$64,750	\$98,228	\$132,608	\$165,628	\$186,313	\$206,077	\$214,746	\$215,511	\$1,844,679	10
14	LNG Inventory Balance Cost of Capital Return on Working Capital Requirement	\$6,078,502 7.47% \$453,811	\$5,390,142 7.47% \$402,420	\$5,259,313 7.47% \$392,652	\$5,141,232 7.47% \$383,836	\$5,010,403 7.47% \$374,069	\$5,431,651 7.47% \$405,519	\$5,869,189 7.47% \$438,184	\$5,949,681 7.47% \$444,194	\$5,942,291 7.47% \$443,642	\$5,935,918 7.47% \$443,166	\$5,930,339 7.47% \$442,750	\$5,926,231 7.47% \$442,443	\$5,066,687	11 12 13
	Weighted Cost of Debt Interest Charges Financed	2.46% \$149,306	2.46% \$132,398	2.46% \$129,184	2.46% \$126,284	2.46% \$123,070	2.46% \$133,417	2.46% \$144,164	2.46% \$146,142	2.46% \$145,960	2.46% \$145,804	2.46% \$145,667	2.46% \$145,566	\$1,666,961	14 15
18 19 20	-	\$304,506 0.6500 \$468,470	\$270,022 0.6500 \$415,418	\$263,468 0.6500 \$405,335	\$257,553 0.6500 \$396,235	\$250,999 0.6500 \$386,152	\$272,101 0.6500 \$418,617	\$294,020 0.6500 \$452,338	\$298,052 0.6500 \$458,542	\$297,682 0.6500 \$457,972	\$297,363 0.6500 \$457,481	\$297,083 0.6500 \$457,051	\$296,878 0.6500 \$456,735	\$5,230,347	16 17 18
21	Working Capital Requirement	\$617,776	\$547,816	\$534,519	\$522,518	\$509,222	\$552,035	\$596,503	\$604,684	\$603,932	\$603,285	\$602,718	\$602,300	\$6,897,308	19
22	Monthly Average	\$51,481	\$45,651	\$44,543	\$43,543	\$42,435	\$46,003	\$49,709	\$50,390	\$50,328	\$50,274	\$50,226	\$50,192	\$574,776	20
23	System Balancing Factor	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%	16.80%		21
24	Balancing Related Inventory Costs	\$8,649	\$7,669	\$7,483	\$7,315	\$7,129	\$7,728	\$8,351	\$8,466	\$8,455	\$8,446	\$8,438	\$8,432	\$96,562	22
25	Supply Related Inventory Costs	\$42,832	\$37,982	\$37,060	\$36,228	\$35,306	\$38,274	\$41,358	\$41,925	\$41,873	\$41,828	\$41,788	\$41,759	\$478,213	23

Line <u>No.</u>		Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Total Nov-Oct	Line No.
110.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)	(m)	(o)	110.
	(-)	(-)	(-)	(-)	(-)	( )	(3)	` '	( )	0,	( )	( )	( /	(-)	
1	SALES (dth)														1
2	Residential Non-Heating	54,674	70,653	82,003	87,827	78,867	70,493	60,870	46,251	39,370	33,934	33,888	39,380	698,210	2
3	Residential Heating	1,104,878	2,046,100	2,750,982	2,917,818	2,636,773	1,990,787	1,114,772	639,475	404,535	324,025	378,664	506,454	16,815,263	3
4	Small C&I	117,722	232,014	356,367	380,345	326,862	224,723	116,333	61,244	58,320	40,721	20,031	51,998	1,986,681	4
5	Medium C&I	244,388	315,961	529,256	548,711	503,253	336,898	214,455	138,442	103,745	89,922	92,021	129,567	3,246,619	5
6	Large LLF	61,548	96,707	150,915	154,863	135,841	106,312	53,466	26,628	14,851	11,748	11,355	23,607	847,842	6
7	Large HLF	17,728	22,204	27,615	28,326	27,126	22,501	19,253	14,376	8,455	7,309	15,567	12,001	222,462	7
8	Extra Large LLF	17,718	28,155	82,505	39,855	38,476	24,008	11,344	15,383	(3,544)	1,762	2,395	6,312	264,369	8
9	Extra Large HLF	19,045	15,430	17,613	16,990	13,647	10,833	8,847	7,313	5,022	6,417	5,936	4,189	131,282	9
10	Total Sales	1,637,701	2,827,224	3,997,257	4,174,735	3,760,845	2,786,556	1,599,341	949,112	630,753	515,838	559,857	773,509	24,212,727	10
	ET A TRANSPORTATION														44
11	FT-2 TRANSPORTATION	F0 000	05.050	00.040	407.000	05.050	50.077	54.000	05.744	00.007	00.005	00.704	40.000	050 000	11
12		56,696	65,953	92,049	107,202	85,850	58,377	51,880	35,711	23,967	22,905	32,724	16,688	650,002	12
	FT-2 Large LLF	32,512	72,572	99,776	100,446	88,009	83,930	45,184	25,420	3,935	5,355	9,636	14,181	580,956	13
	FT-2 Large HLF	9,542	13,532	16,043	14,213	16,201	16,958	11,920	10,748	7,608	8,756	9,494	9,731	144,746	14
	FT-2 Extra Large LLF	1,972	5,872	3,321	3,179	2,858	1,781	2,912	595	63	32	24	187	22,796	15
	FT-2 Extra Large HLF	1,261	1,442	2,068	2,104	2,242	1,830	1,595	1,425	499	1,401	1,085	1,251	18,203	16
17	Total Transportation	101,983	159,371	213,257	227,144	195,160	162,876	113,491	73,899	36,072	38,449	52,963	42,038	1,416,703	17
18	Sales & FT-2 THROUGHPUT														18
19		54,674	70,653	82,003	87,827	78.867	70.493	60,870	46.251	39,370	33,934	33,888	39,380	698,210	19
20	•	1.104.878	2.046.100	2.750.982	2.917.818	2,636,773	1.990.787	1.114.772	639.475	404.535	324.025	378.664	506.454	16.815.263	20
21	Small C&I	117,722	232,014	356,367	380,345	326,862	224,723	116,333	61,244	58,320	40,721	20,031	51,998	1,986,681	21
	Medium C&I	301,084	381,914	621,305	655,913	589,103	395,275	266,335	174,153	127,712	112,827	124,745	146,255	3,896,621	22
		,	,	,	,	,	,	,	,	,	,				

24 25 26	Large LLF Large HLF Extra Large LLF Extra Large HLF Total Throughput	94,060 27,270 19,690 20,306 1,739,684	169,279 35,736 34,027 16,872 2,986,595	250,691 43,658 85,826 19,681 4,210,514	255,309 42,539 43,034 19,094 4,401,879	223,850 43,327 41,334 15,889 3,956,004	190,243 39,459 25,789 12,663 2,949,432	98,650 31,173 14,256 10,442 1,712,832	52,048 25,124 15,978 8,738 1,023,011	18,786 16,063 (3,481) 5,521 666,825	17,103 16,065 1,794 7,818 554,287	20,991 25,061 2,419 7,021 612,820	37,788 21,732 6,499 5,440 815,546	1,428,798 367,208 287,165 149,485 25,629,430	23 24 25 26 27
29 30 31 32 33	FT-1 TRANSPORTATION FT-1 Medium FT-1 Large LLF FT-1 Large HLF FT-1 Extra Large LLF FT-1 Extra Large HLF Total Transportation	59,235 80,766 50,907 44,775 293,250 528,932	89,018 142,646 60,737 68,688 338,027 699,116	95,102 144,006 65,001 88,230 371,107 763,446	100,863 154,041 56,681 102,397 366,513 780,494	73,343 154,677 59,848 77,283 366,181 731,332	50,034 97,758 58,635 58,306 376,346 641,079	27,726 38,213 38,431 19,835 276,843 401,048	27,854 20,405 41,580 31,650 274,240 395,728	22,232 17,232 32,835 12,580 257,648 342,527	26,900 20,029 42,113 14,403 264,590 368,034	4,746 9,808 41,786 (3,525) 303,987 356,801	40,243 39,811 51,791 23,828 289,930 445,603	617,294 919,391 600,344 538,450 3,778,661 6,454,141	28 29 30 31 32 33 34
38 39 40 41 42 43		54,674 1,104,878 117,722 360,318 174,826 78,177 64,465 313,556 2,408,713	70,653 2,046,100 232,014 470,932 311,925 96,473 102,715 354,899 3,685,711	82,003 2,750,982 356,367 716,407 394,697 108,659 174,056 390,788 4,973,960	87,827 2,917,818 380,345 756,775 409,350 99,221 145,431 385,607 5,182,373	78,867 2,636,773 326,862 662,446 378,527 103,174 118,617 382,070 4,687,337	70,493 1,990,787 224,723 445,309 288,000 98,094 84,095 389,009 3,590,511	60,870 1,114,772 116,333 294,061 136,863 69,605 34,091 287,285 2,113,880	46,251 639,475 61,244 202,007 72,453 66,704 47,628 282,978 1,418,739	39,370 404,535 58,320 149,943 36,018 48,898 9,099 263,168 1,009,352	33,934 324,025 40,721 139,727 37,131 58,178 16,197 272,408 922,322	33,888 378,664 20,031 129,491 30,799 66,847 (1,106) 311,008 969,622	39,380 506,454 51,998 186,498 77,599 73,523 30,327 295,370 1,261,149	698,210 16,815,263 1,986,681 4,513,915 2,348,189 967,552 825,615 3,928,147 32,083,572	35 36 37 38 39 40 41 42 43 44

Line									Line
<u>No.</u>	Rate Class	<u>Nov-10</u>	<u>Dec-10</u>	<u>Jan-11</u>	<u>Feb-11</u>	<u>Mar-11</u>	<u>Total</u>	<u>%</u> (i)	<u>No.</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(h)	(i)	
1	SALES (dth)								1
2	Residential Non-Heating	62,142	87,267	92,619	86,727	77,017	405,772	2.18%	2
3	Residential Heating	1,679,470	2,865,969	3,128,414	2,976,258	2,363,319	13,013,430	69.99%	3
4	Small C&I	205,381	355,107	388,276	369,733	291,579	1,610,076	8.66%	4
5	Medium C&I	322,044	528,755	574,251	544,784	441,621	2,411,455	12.97%	5
6	Large LLF	85,878	151,840	166,488	158,781	123,784	686,771	3.69%	6
7	Large HLF	20,032	29,046	30,983	29,096	25,335	134,493	0.72%	7
8	Extra Large LLF	28,309	53,427	59,039	56,546	42,679	240,000	1.29%	8
9	Extra Large HLF	13,093	19,863	21,333	20,112	17,047	91,448	0.49%	9
10	Total Sales	2,416,349	4,091,273	4,461,402	4,242,038	3,382,381	18,593,444	100.00%	10
11	FT-2 TRANSPORTATION								11
12	FT-2 Medium	63,910	98,440	105,961	100,022	84,034	452,368		12
13	FT-2 Large LLF	55,693	100,084	109,958	104,983	81,172	451,891		13
14	FT-2 Large HLF	12,163	15,697	16,423	15,251	14,306	73,840		14
15	FT-2 Extra Large LLF	2,363	4,440	4,904	4,696	3,552	19,954		15
16	FT-2 Extra Large HLF	1,553	2,094	2,208	2,059	1,877	9,791		16
17	Total Transportation	135,683	220,755	239,454	227,011	184,941	1,007,843		17
18	Sales & FT-2 THROUGHP	<u>UT</u>							18

19	Residential Non-Heating	62,142	87,267	92,619	86,727	77,017	405,772	2.07%	19
20	Residential Heating	1,679,470	2,865,969	3,128,414	2,976,258	2,363,319	13,013,430	66.39%	20
21	Small C&I	205,381	355,107	388,276	369,733	291,579	1,610,076	8.21%	21
22	Medium C&I	385,955	627,195	680,212	644,806	525,655	2,863,822	14.61%	22
23	Large LLF	141,571	251,923	276,446	263,764	204,957	1,138,661	5.81%	23
24	Large HLF	32,195	44,743	47,407	44,347	39,641	208,333	1.06%	24
25	Extra Large LLF	30,672	57,867	63,943	61,241	46,230	259,954	1.33%	25
26	Extra Large HLF	14,646	21,957	23,541	22,172	18,923	101,239	0.52%	26
	_								
27	Total Throughput	2,552,031	4,312,028	4,700,857	4,469,049	3,567,322	19,601,287	100.00%	27

	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11
	30	31 forecast	31 forecast	28 forecast	31 forecast	30 forecast	31 forecast	30 forecast
	forecast	iorecasi	101ecast	101ecast		101ecast		
I. Supply Fixed Cost Deferred								
Beginning Balance	(\$4,680,040)	(\$3,966,160)	(\$4,271,344)	(\$5,582,004)	(\$7,049,341)	(\$8,160,838)	(\$8,438,705)	(\$7,696,246)
Supply Fixed Costs (net of cap rel)	\$2,294,431	\$2,295,832	\$2,294,590	\$2,290,385	\$2,294,590	\$2,293,188	\$2,294,590	\$2,293,188
Capacity Release	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Working Capital	\$15,589	<b>\$15,598</b>	\$15,590	<b>\$15,561</b>	\$15,590	\$15,580	\$15,590	\$15,580
Total Supply Fixed Costs	\$2,310,019	\$2,311,430	\$2,310,179	\$2,305,946	\$2,310,179	\$2,308,768	\$2,310,179	\$2,308,768
Supply Fixed - Collections	\$1,391,802	\$2,412,351	\$3,415,718	\$3,567,325	\$3,213,713	\$2,378,216	\$1,359,266	\$803,700
Prelim. Ending Balance	(\$3,761,823)	(\$4,067,080)	(\$5,376,883)	(\$6,843,383)	(\$7,952,874)	(\$8,230,285)	(\$7,487,792)	(\$6,191,178)
Month's Average Balance	(\$4,220,932)	(\$4,016,620)	(\$4,824,114)	(\$6,212,694)	(\$7,501,107)	(\$8,195,562)	(\$7,963,249)	(\$6,943,712)
Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	(\$4,337)	(\$4,264)	(\$5,121)	(\$5,957)	(\$7,964)	(\$8,420)	(\$8,454)	(\$7,134)
GPIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGPMP Credits	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Supply Fixed Ending Balance	(\$3,966,160)	(\$4,271,344)	(\$5,582,004)	(\$7,049,341)	(\$8,160,838)	(\$8,438,705)	(\$7,696,246)	(\$6,398,312)
II Otanana Fired Coat Datamad								
II. Storage Fixed Cost Deferred Beginning Balance	\$256.010	\$419.267	\$7,272	(\$969,759)	(\$2,035,535)	(\$2,897,850)	(\$3,296,465)	(\$2.424.60c)
Storage Fixed Costs	\$256,010 \$954,537	\$954.537	\$7,272 \$954.537	\$954,537	(\$2,035,535) \$954,537	(\$2,697,650) \$954,537	(\$3,296,465) \$954,537	(\$3,124,606) \$954.537
LNG Demand to DAC		* ,	+ ,	. ,	(\$55,102)		, ,	(\$55,102)
	(\$55,102)	(\$55,102)	(\$55,102)	(\$55,102) \$51,549	\$51,549	(\$55,102) \$51,549	(\$55,102)	. , , ,
Supply Related LNG O & M	\$51,549	\$51,549	\$51,549	. ,			\$51,549	\$51,549
Working Capital	\$6,461 \$057,445	\$6,461 \$057,445	\$6,461 \$057,445	\$6,461 \$057,445	\$6,461 \$0.57,445	\$6,461 \$057,445	\$6,461 \$0.57,445	\$6,461 \$057,445
Total Storage Fixed Costs	\$957,445	\$957,445 \$0	\$957,445	\$957,445	\$957,445	\$957,445	\$957,445	\$957,445
TSS Peaking Collections	\$0	**	\$1	\$2 \$2.021.778	\$3	\$4	\$5 \$782.173	\$6 \$465.423
Storage Fixed - Collections	\$794,535	\$1,369,666	\$1,933,964	* /- /	\$1,817,139	\$1,352,876	, .	, .
Prelim. Ending Balance	\$418,920	\$7,045	(\$969,249)	(\$2,034,095)	(\$2,895,232)	(\$3,293,285)	(\$3,121,199)	(\$2,632,590)
Month's Average Balance	\$337,465	\$213,156	(\$480,989)	(\$1,501,927)	(\$2,465,384)	(\$3,095,567)	(\$3,208,832)	(\$2,878,598)
Interest Rate (BOA Prime minus 200 bps)	1.25% \$347	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	·	\$226	(\$511)	(\$1,440)	(\$2,617)	(\$3,180)	(\$3,407)	(\$2,957)
Storage Fixed Ending Balance	\$419,267	\$7,272	(\$969,759)	(\$2,035,535)	(\$2,897,850)	(\$3,296,465)	(\$3,124,606)	(\$2,635,547)
III. Variable Supply Cost Deferred								
Beginning Balance	\$13,406,402	\$19,207,488	\$22,466,459	\$19,497,698	\$12,738,076	\$9,878,828	\$3,307,945	(\$615,672)
Variable Supply Costs	\$16,627,592	\$22,001,510	\$23,590,347	\$21,011,154	\$22,138,394	\$11,982,989	\$6,728,829	\$4,568,171
Variable Delivery Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Variable Injections Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fuel Cost Allocated to Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Working Capital	<u>\$112,969</u>	<u>\$149,480</u>	<u>\$160,275</u>	<u>\$142,752</u>	<u>\$150,410</u>	<u>\$81,414</u>	<u>\$45,716</u>	<u>\$31,037</u>
Total Supply Variable Costs	\$16,740,562	\$22,150,991	\$23,750,622	\$21,153,906	\$22,288,804	\$12,064,402	\$6,774,545	\$4,599,207
Supply Variable - Collections	\$10,956,221	\$18,914,129	\$26,741,646	\$27,928,976	\$25,160,051	\$18,642,056	\$10,699,591	\$6,349,561
Deferred Responsibility	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prelim. Ending Balance	\$19,190,743	\$22,444,350	\$19,475,435	\$12,722,628	\$9,866,829	\$3,301,175	(\$617,101)	(\$2,366,026)
Month's Average Balance	\$16,298,572	\$20,825,919	\$20,970,947	\$16,110,163	\$11,302,453	\$6,590,002	\$1,345,422	(\$1,490,849)
Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	\$16,745	\$22,110	\$22,264	\$15,448	\$11,999	\$6,771	\$1,428	(\$1,532)
Gas Procurement Incentive/(penalty)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Supply Variable Ending Balance	\$19,207,488	\$22,466,459	\$19,497,698	\$12,738,076	\$9,878,828	\$3,307,945	(\$615,672)	(\$2,367,558)

	Nov-10 30	Dec-10 31	Jan-11 31	Feb-11 28	Mar-11 31	Apr-11 30	May-11 31	Jun-11 30
	forecast	forecast	forecast	forecast	forecast	forecast	forecast	forecast
IVa. Storage Variable Product Cost Deferred								
Beginning Balance	(\$460,482)	(\$1,779,651)	\$528,077	\$5,434,863	\$8,117,664	\$5,640,929	\$3,025,327	\$1,682,865
Storage Variable Prod. Costs - LNG	\$126,411	\$688,360	\$130,829	\$118,081	\$130,829	\$126,132	\$129,483	\$123,770
Storage Variable Prod. Costs - LP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage Variable Prod. Costs - UG	\$0	\$4,396,327	\$8,703,454	\$6,729,191	\$1,173,912	\$0	\$0	\$0
Supply Related LNG to DAC	(\$21,237)	(\$115,645)	(\$21,979)	(\$19,838)	(\$21,979)	(\$21,190)	(\$21,753)	(\$20,793)
Supply Related LNG O & M	\$35,844	\$35,844	\$35,844	\$35,844	\$35,844	\$35,844	\$35,844	\$35,844
Inventory Financing - LNG Inventory Financing - UG	\$42,832 \$200,546	\$37,982 \$172,115	\$37,060 \$115,847	\$36,228 \$72.311	\$35,306 \$64,750	\$38,274 \$98,228	\$41,358 \$132,608	\$41,925 \$165,628
Inventory Financing - OG Inventory Financing - LP	\$200,546 \$0	\$172,115	\$115,647 \$0	\$72,311	\$64,750 \$0	\$90,220 \$0	\$132,606	\$105,020
Working Capital	\$958	\$34.004	\$60,115	\$46.630	\$8,959	\$9 <u>57</u>	\$975	\$943
Total Storage Variable Product Costs	\$385,354	\$5,248,988	\$9,061,169	\$7,018,448	\$1,427,620	\$278,245	\$318,515	\$347,317
Storage Variable Product Collections	\$1,703,373	\$2,940,596	\$4,157,547	\$4,342,142	\$3,911,655	\$2,898,296	\$1,663,475	\$987,172
Prelim. Ending Balance	(\$1,778,501)	\$528,741	\$5,431,700	\$8,111,169	\$5,633,629	\$3,020,877	\$1,680,367	\$1,043,010
Month's Average Balance	(\$1,119,492)	(\$625,455)	\$2,979,888	\$6,773,016	\$6,875,647	\$4,330,903	\$2,352,847	\$1,362,938
Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	(\$1,150)	(\$664)	\$3,164	\$6,495	\$7,299	\$4,450	\$2,498	\$1,400
Storage Variable Product Ending Bal.	(\$1,779,651)	\$528,077	\$5,434,863	\$8,117,664	\$5,640,929	\$3,025,327	\$1,682,865	\$1,044,410
IVb. Stor Var Non-Prod Cost Deferred								
Beginning Balance	(\$1,794,337)	(\$1,750,230)	(\$1,521,945)	(\$1,111,509)	(\$759,913)	(\$623,835)	(\$453,505)	(\$312,818)
Storage Variable Non-prod. Costs	\$0	\$150,155	\$298,646	\$234,688	\$32,156	\$0	\$0	\$0
Variable Delivery Storage Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Variable Injection Storage Costs	\$0	\$0	\$0	\$0	\$0	\$16,017	\$16,277	\$15,579
Fuel Costs Allocated to Storage	\$0	\$0	\$0	\$0	\$0	\$76,374	\$78,950	\$74,381
Working Capital	\$0 \$0	<u>\$1,020</u> \$151,175	<u>\$2,029</u> \$300,675	<u>\$1,594</u> \$236,283	<u>\$218</u> \$32,375	<u>\$628</u> \$93,018	\$647 \$05.875	<u>\$611</u> \$90,571
Total Storage Var Non-product Costs Storage Var Non-Product Collections	\$0 (\$45,927)	(\$78,846)	\$300,675 (\$111,158)	\$236,263 (\$116,210)	\$32,375 (\$104,438)	(\$77,865)	\$95,875 (\$45,219)	(\$27,008)
Prelim. Ending Balance	(\$45,927) (\$1,748,410)	(\$1,520,209)	(\$1,110,112)	(\$759,017)	(\$623,101)	(\$77,665) (\$452,952)	(\$312,411)	(\$195,238)
Month's Average Balance	(\$1,771,373)	(\$1,635,219)	(\$1,316,028)	(\$935,263)	(\$691,507)	(\$538,393)	(\$382,958)	(\$254,028)
Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	(\$1,820)	(\$1,736)	(\$1,397)	(\$897)	(\$734)	(\$553)	(\$407)	(\$261)
Storage Var Non-Product Ending Bal.	(\$1,750,230)	(\$1,521,945)	(\$1,111,509)	(\$759,913)	(\$623,835)	(\$453,505)	(\$312,818)	(\$195,499)
GCR Deferred Summary Beginning Balance	\$6,727,553	\$12,130,714	\$17,208,519	\$17,269,290	\$11,010,954	\$3,837,241	(\$5,855,393)	(\$10,066,462)
Gas Costs	\$20,257,403	\$30,613,466	\$36,135,620	\$31.459.029	\$26,834,785	\$15,596,839	\$10,387,170	\$8,248,676
Working Capital	\$135.977	\$206,563	\$244.470	\$212.998	\$181.638	\$105,039	\$69,389	\$54.632
Total Costs	\$20,393,380	\$30,820,029	\$36.380.090	\$31.672.027	\$27.016.423	\$15,701,878	\$10.456.559	\$8.303.308
Collections	\$14,800,004	\$25,557,896	\$36,137,717	\$37,744,011	\$33,998,120	\$25,193,579	\$14,459,286	\$8,578,848
Prelim. Ending Balance	\$12,320,929	\$17,392,847	\$17,450,892	\$11,197,306	\$4,029,257	(\$5,654,460)	(\$9,858,121)	(\$10,342,001)
Month's Average Balance	\$9,524,241	\$14,761,781	\$17,329,705	\$14,233,298	\$7,520,106	(\$908,610)	(\$7,856,757)	(\$10,204,231)
Interest Rate (BOA Prime minus 200 bps)	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest Applied	\$9,785	\$15,672	\$18,398	\$13,648	\$7,984	(\$934)	(\$8,341)	(\$10,484)
Gas Purchase Plan Incentives/(Penalties)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGPMP Credits	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Ending Bal. W/ Interest	\$12,130,714	\$17,208,519	\$17,269,290	\$11,010,954	\$3,837,241	(\$5,855,393)	(\$10,066,462)	(\$10,552,485)
Under/(Over)-collection	\$5,593,376	\$5,262,133	\$242,373	(\$6,071,984)	(\$6,981,697)	(\$9,491,701)	(\$4,002,727)	(\$275,540)

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#### Gas Cost Recovery (GCR) Filing Projected Gas Cost Balances

	Jul-11	Aug-11	Sep-11	Oct-11	Nov - Oct
	31	31	30	31	365
	forecast	forecast	forecast	forecast	
I. Supply Fixed Cost Deferred					
Beginning Balance	(\$6,398,312)	(\$4,826,602)	(\$3,155,274)	(\$1,519,909)	
Supply Fixed Costs (net of cap rel)	\$2,294,590	\$2,294,590	\$2,293,188	\$2,294,590	\$27,527,751
Capacity Release	\$0	\$0	\$0	\$0	\$0
Working Capital	\$15,590	\$15,590	\$15,580	\$15,590	\$187,026
Total Supply Fixed Costs	\$2,310,179	\$2,310,179	\$2,308,768	\$2,310,179	\$27,714,777
Supply Fixed - Collections	\$532,620	\$434,723	\$471,106	\$654,962	\$20,635,502
Prelim. Ending Balance	(\$4,620,752)	(\$2,951,145)	(\$1,317,612)	\$135,308	<b>\$20,000,002</b>
Month's Average Balance	(\$5,509,532)	(\$3,888,873)	(\$2,236,443)	(\$692,301)	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	
Interest Applied	(\$5,849)	(\$4,129)	(\$2,298)	(\$735)	(\$64,662)
GPIP	\$0	\$0	\$0	\$0	(\$0.1,002)
NGPMP Credits	\$200,000	\$200,000	\$200,000	\$200,000	
Supply Fixed Ending Balance	(\$4,826,602)	(\$3,155,274)	(\$1,519,909)	(\$65,427)	
Cupply Fixed Ending Bulance	(ψ-1,020,002)	(\$0,100,214)	(ψ1,010,000)	(\$66,427)	
II. Storage Fixed Cost Deferred					
Beginning Balance	(\$2,635,547)	(\$1,983,188)	(\$1,278,484)	(\$599,047)	
Storage Fixed Costs	\$954,537	\$954,537	\$954,537	\$954,537	\$11,454,439
LNG Demand to DAC	(\$55,102)	(\$55,102)	(\$55,102)	(\$55,102)	(\$661,228)
Supply Related LNG O & M	\$51,549	\$51,549	\$51,549	\$51,549	\$618,591
Working Capital	\$6,461	\$6,461	\$6,461	\$6,461	\$77,533
Total Storage Fixed Costs	\$957,445	\$957,445	\$957,445	\$957,445	\$11,489,335
TSS Peaking Collections	\$7	\$8	\$9	\$10	. , ,
Storage Fixed - Collections	\$302,628	\$251,002	\$277,035	\$371,160	\$11,739,379
Prelim. Ending Balance	(\$1,980,738)	(\$1,276,754)	(\$598,083)	(\$12,773)	
Month's Average Balance	(\$2,308,143)	(\$1,629,971)	(\$938,284)	(\$305,910)	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	
Interest Applied	(\$2,450)	(\$1,730)	(\$964)	(\$325)	(\$19,009)
Storage Fixed Ending Balance	(\$1,983,188)	(\$1,278,484)	(\$599,047)	(\$13,098)	,
III. Variable Supply Cost Deferred Beginning Balance	(\$0.067.EEQ)	(f) 676 404\	(f) 100 171)	(\$4.764.607)	
0 0	(\$2,367,558)	(\$2,676,101)	(\$2,189,171)	(\$1,764,607)	£4.47 ECO OOE
Variable Supply Costs Variable Delivery Storage	\$3,887,457 \$0	\$3,913,878 \$0	\$4,143,886 \$0	\$6,969,779 \$0	\$147,563,985 \$0
, ,	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Variable Injections Storage Fuel Cost Allocated to Storage	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Working Capital	\$26,412	**	\$28,154	\$47,353	\$1,002,563
0 1		\$26,591 \$3,040,460			. , ,
Total Supply Variable Costs Supply Variable - Collections	\$3,913,869	\$3,940,469 \$3,450,958	\$4,172,040	\$7,017,132 \$5,174,773	\$148,566,549 \$164,083,145
,	\$4,219,737		\$3,745,446	\$5,174,773	\$161,983,145
Deferred Responsibility	\$0 (\$2.673.435)	\$0 (\$3.186.500)	\$0 (\$4.762.577)	\$0 \$77.750	
Prelim. Ending Balance	(\$2,673,425)	(\$2,186,590) (\$2,431,346)	(\$1,762,577) (\$1,075,974)	\$77,752 (\$942,429)	
Month's Average Balance	(\$2,520,492)	(\$2,431,346)	(\$1,975,874)	(\$843,428)	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	<b>607.050</b>
Interest Applied	(\$2,676)	(\$2,581)	(\$2,030)	(\$895)	\$87,050
Gas Procurement Incentive/(penalty)	\$0 (\$2.676.404)	\$0 (\$3,180,171)	\$0 (\$4.764.607)	\$0 \$76.956	\$0
Supply Variable Ending Balance	(\$2,676,101)	(\$2,189,171)	(\$1,764,607)	\$76,856	

	Jul-11 31	Aug-11 31	Sep-11 30	Oct-11 31	Nov - Oct 365
	forecast	forecast	forecast	forecast	
IVa. Storage Variable Product Cost Deferre					
Beginning Balance	\$1,044,410	\$760,861	\$616,194	\$430,222	
Storage Variable Prod. Costs - LNG	\$128,056	\$127,897	\$123,174	\$127,640	\$2,080,662
Storage Variable Prod. Costs - LP	\$0	\$0	\$0	\$0	\$0
Storage Variable Prod. Costs - UG	\$0	\$0	\$0	\$0	\$21,002,885
Supply Related LNG to DAC	(\$21,513)	(\$21,487)	(\$20,693)	(\$21,443)	(\$349,551)
Supply Related LNG O & M	\$35,844	\$35,844	\$35,844	\$35,844	\$430,129
Inventory Financing - LNG	\$41,873	\$41,828	\$41,788	\$41,759	\$478,213
Inventory Financing - UG	\$186,313	\$206,077	\$214,746	\$215,511	\$1,844,679
Inventory Financing - LP	\$0 *007	\$0 ************************************	\$0	\$0 ************************************	\$0
Working Capital	<u>\$967</u> \$371.540	<u>\$966</u> \$301 125	\$940 \$305,700	<u>\$965</u> \$400.276	\$157,379 \$25,644,396
Total Storage Variable Product Costs Storage Variable Product Collections	\$371,540 \$656,046	\$391,125 \$536,523	\$395,799 \$582,308	\$400,276 \$804,526	\$25,644,396 \$25,183,659
Prelim. Ending Balance	\$759,904	\$615,464	\$429,685	\$25,972	\$20,103,009
Month's Average Balance	\$902,157	\$688,163	\$522,940	\$228,097	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	
Interest Applied	\$958	\$731	\$537	\$242	\$25,959
Storage Variable Product Ending Bal.	\$760,861	\$616,194	\$430,222	\$26,214	Ψ20,000
eterage variable rieduct Enamy Ear.	ψ. σσ,σσ.	φσ.σ,.σ.	Ψ.00,222	Ψ20,2	
IVb. Stor Var Non-Prod Cost Deferred					
Beginning Balance	(\$195,499)	(\$127,713)	(\$65,229)	(\$29,805)	
Storage Variable Non-prod. Costs	\$0	\$0	\$0	\$0	\$715,645
Variable Delivery Storage Costs	\$0	\$0	\$0	\$0	\$0
Variable Injection Storage Costs	\$10,221	\$9,729	\$6,089	\$340	\$74,252
Fuel Costs Allocated to Storage	\$39,793	\$37,901	\$13,076	\$2,715	\$323,191
Working Capital	<u>\$340</u>	<u>\$324</u>	<u>\$130</u>	<u>\$21</u>	<u>\$7,562</u>
Total Storage Var Non-product Costs	\$50,353	\$47,954	\$19,295	\$3,076	\$1,120,650
Storage Var Non-Product Collections	(\$17,604)	(\$14,633)	(\$16,178)	(\$21,531)	(\$676,617)
Prelim. Ending Balance	(\$127,542)	(\$65,127)	(\$29,756)	(\$5,197)	
Month's Average Balance	(\$161,521)	(\$96,420)	(\$47,492)	(\$17,501)	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	
Interest Applied	(\$171)	(\$102)	(\$49)	(\$19)	(\$8,146)
Storage Var Non-Product Ending Bal.	(\$127,713)	(\$65,229)	(\$29,805)	(\$5,216)	
GCR Deferred Summary					
Beginning Balance	(\$10,552,485)	(\$8,852,715)	(\$6,071,928)	(\$3,483,101)	
Gas Costs	\$7,553,616	\$7,597,240	\$7,802,081	\$10,617,719	\$213,103,644
Working Capital	\$49,770	\$49,932	\$51,265	\$70,390	\$1,432,064
Total Costs	\$7,603,386	\$7,647,172	\$7,853,347	\$10,688,108	\$214,535,708
Collections	\$5,693,427	\$4,658,573	\$5,059,717	\$6,983,890	\$218,865,068
Prelim. Ending Balance	(\$8,642,526)	(\$5,864,116)	(\$3,278,298)	\$221,117	
Month's Average Balance	(\$9,597,506)	(\$7,358,416)	(\$4,675,113)	(\$1,630,992)	
Interest Rate (BOA Prime minus 200 bp	1.25%	1.25%	1.25%	1.25%	
Interest Applied	(\$10,189)	(\$7,812)	(\$4,803)	(\$1,732)	\$21,192
Gas Purchase Plan Incentives/(Penaltie	\$0	\$0	\$0	\$0	
NGPMP Credits	\$200,000	\$200,000	\$200,000	\$200,000	
Ending Bal. W/ Interest	(\$8,852,715)	(\$6,071,928)	(\$3,483,101)	\$19,385	
Under/(Over)-collection	\$1,909,959	\$2,988,599	\$2,793,630	\$3,704,218	

Residential Heating:				-					
						Diff	erence due to:		
Consumption (	Nov - Oct	Proposed November-10	Current Rates	Difference	% Chg	Base Rates	GCR	DAC	 EnergyEff
Concampaon	(111011110)				70 Ong				
	600	\$936	\$1,026	(\$90)	-8.7%	\$0	(\$102.58)	\$12.87	\$0.00
	664	\$1,020	\$1,119	(\$99)	-8.9%	\$0	(\$113.53)	\$14.24	\$0.00
	730	\$1,107	\$1,216	(\$109)	-9.0%	\$0	(\$124.80)	\$15.66	\$0.00
	794	\$1,189	\$1,307	(\$119)	-9.1%	\$0	(\$135.79)	\$16.97	\$0.00
	857	\$1,268	\$1,396	(\$128)	-9.2%	\$0	(\$146.54)	\$18.34	\$0.00
Average Customer	922	\$1,348	\$1,486	(\$138)	-9.3%	\$0	(\$157.68)	\$19.75	\$0.00
	987	\$1,429	\$1,576	(\$148)	-9.4%	\$0	(\$168.78)	\$21.12	\$0.00
	1,051	\$1,508	\$1,665	(\$157)	-9.4%	\$0	(\$179.70)	\$22.50	\$0.00
	1,114	\$1,583	\$1,750	(\$167)	-9.5%	\$0	(\$190.50)	\$23.84	\$0.00
	1,180	\$1,663	\$1,839	(\$177)	-9.6%	\$0	(\$201.77)	\$25.24	\$0.00
	1,247	\$1,743	\$1,929	(\$187)	-9.7%	\$0	(\$213.22)	\$26.65	\$0.00
Desidential Heating	I In								
Residential Heating	Low inco	ome:				Diff	erence due to:		
N	lov - Oct	Proposed	Current						
Consumption	(Therms)	November-10	Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEff
	600	\$898	\$988	(\$90)	-9.1%	\$0	(\$102.58)	\$12.87	\$0.00
	664	\$980	\$1,079	(\$99)	-9.2%	\$0	(\$113.53)	\$14.24	\$0.00
	730	\$1,064	\$1,173	(\$109)	-9.3%	\$0	(\$124.80)	\$15.66	\$0.00
	794	\$1,144	\$1,263	(\$119)	-9.4%	\$0	(\$135.79)	\$16.97	\$0.00
	857	\$1,221	\$1,349	(\$128)	-9.5%	\$0	(\$146.54)	\$18.34	\$0.00
Average Customer	922	\$1,300	\$1,437	(\$138)	-9.6%	\$0	(\$157.68)	\$19.75	\$0.00
· ·	987	\$1,378	\$1,526	(\$148)	-9.7%	\$0	(\$168.78)	\$21.12	\$0.00
	1,051	\$1,455	\$1,612	(\$157)	-9.7%	\$0	(\$179.70)	\$22.50	\$0.00
	1,114	\$1,529	\$1,696	(\$167)	-9.8%	\$0	(\$190.50)	\$23.84	\$0.00
	1,180	\$1,606	\$1,783	(\$177)	-9.9%	\$0	(\$201.77)	\$25.24	\$0.00
	1,247	\$1,685	\$1,871	(\$187)	-10.0%	\$0	(\$213.22)	\$26.65	\$0.00

Residential Non-Heat						Diffe	erence due to:		
Nonsumption (	ov - Oct Therms)	Proposed November-10	Current Rates	Difference	% Chg	Base Rates	GCR	DAC	 EnergyEf
	123	\$281	\$297	(\$16)	-5.5%	\$0	(\$18.93)	\$2.65	\$0
	137	\$299	\$317	(\$18)	-5.7%	\$0 \$0	(\$21.05)	\$2.94	\$0 \$0
	147	\$312	\$332	(\$19)	-5.9%	\$0	(\$22.59)	\$3.16	\$0
	161	\$331	\$352	(\$21)	-6.0%	\$0	(\$24.74)	\$3.49	\$0
	176	\$350	\$373	(\$23)	-6.2%	\$0	(\$27.01)	\$3.81	\$0
Average Customer	189	\$367	\$392	(\$ <b>25</b> )	-6.4%	\$0	(\$29.02)	\$4.09	\$0
	202	\$384	\$411	(\$27)	-6.5%	\$0	(\$31.01)	\$4.36	\$0
	217	\$404	\$433	(\$29)	-6.6%	\$0	(\$33.29)	\$4.69	\$0
	231	\$422	\$453	(\$30)	-6.7%	\$0	(\$35.47)	\$4.98	\$0
	241	\$435	\$467	(\$32)	-6.8%	\$0	(\$36.99)	\$5.18	\$0
	Z+ I	Ψ <del>1</del> 33	$\Psi + UI$	(432)	-0.0/0	ΨU	(400.00)	ΨΟ. 10	
	256	\$455	\$489	(\$34)	-6.9%	\$0 \$0	(\$39.29)	\$5.50	\$0
Residential Non-Heat	256 ting Low	\$455 Income:	\$489	, ,		\$0	,		
N	256 ting Low ov - Oct	\$455  Income:  Proposed	\$489 Current	(\$34)	-6.9%	\$0 Diffe	(\$39.29)	\$5.50	\$0
	256 ting Low ov - Oct	\$455 Income:	\$489	, ,		\$0	(\$39.29) erence due to:		
N	256 ting Low ov - Oct	\$455  Income:  Proposed November-10	\$489  Current Rates	(\$34)	-6.9% % Chg	\$0 Diffe	(\$39.29) erence due to: GCR	\$5.50 DAC	\$0
N	256 ting Low ov - Oct Therms)	Proposed November-10	\$489  Current  Rates	Difference	-6.9% % Chg	Diffe	(\$39.29) erence due to: GCR	\$5.50 DAC	\$0  EnergyEf \$0
N	256 ting Low ov - Oct Therms)	Proposed November-10	\$489  Current  Rates \$280	(\$34)  Difference(\$16)	-6.9% % Chg 	Diffe Base Rates	(\$39.29) erence due to: GCR(\$18.93)	\$5.50 DAC \$2.65	\$0  EnergyEf  \$0 \$0
N	256  ting Low ov - Oct Therms)  123 137	\$455  Income:  Proposed November-10	\$489  Current Rates	Difference (\$16) (\$18)	-6.9% % Chg 	\$0  Diffe	(\$39.29) erence due to: GCR(\$18.93) (\$21.05)	\$5.50 DAC  \$2.65 \$2.94	\$0  EnergyEf  \$0 \$0 \$0
N	256  ting Low ov - Oct Therms)  123 137 147	\$455  Income:  Proposed November-10	\$489  Current Rates \$280 \$300 \$314 \$333 \$354	(\$34)  Difference(\$16) (\$18) (\$19)	-6.9%  % Chg -5.8% -6.0% -6.2%	Diffe 	(\$39.29)  erence due to: GCR(\$18.93) (\$21.05) (\$22.59)	\$5.50 DAC 	\$0  EnergyEf \$0 \$0 \$0 \$0
N	256 ting Low ov - Oct Therms) 123 137 147 161	\$455  Income:  Proposed November-10  \$264 \$282 \$294 \$312	\$489  Current Rates \$280 \$300 \$314 \$333	(\$34)  Difference(\$16) (\$18) (\$19) (\$21)	-6.9%  % Chg -5.8% -6.0% -6.2% -6.4%	Diffe 	(\$39.29)  erence due to: GCR(\$18.93) (\$21.05) (\$22.59) (\$24.74)	\$5.50 DAC  \$2.65 \$2.94 \$3.16 \$3.49	**************************************
Nonsumption (	256  ting Low  ov - Oct Therms)  123 137 147 161 176 189 202	\$455  Proposed November-10	\$489  Current Rates \$280 \$300 \$314 \$333 \$354 \$373 \$391	(\$34)  Difference (\$16) (\$18) (\$19) (\$21) (\$23) (\$25) (\$27)	-6.9%  % Chg	\$0  Diffe	(\$39.29)  erence due to: GCR (\$18.93) (\$21.05) (\$22.59) (\$24.74) (\$27.01) (\$29.02) (\$31.01)	\$5.50 DAC 	\$0  EnergyEf  \$0 \$0 \$0 \$0 \$0
Nonsumption (	256  ting Low  ov - Oct Therms)  123 137 147 161 176 189 202 217	\$455  Income:  Proposed November-10  \$264 \$282 \$294 \$312 \$331 \$348 \$364 \$383	\$489  Current Rates \$280 \$300 \$314 \$333 \$354 <b>\$373</b> \$391 \$412	(\$34)  Difference (\$16) (\$18) (\$19) (\$21) (\$23) (\$25) (\$27) (\$29)	-6.9%  % Chg -5.8% -6.0% -6.2% -6.4% -6.5% -6.7% -6.8% -6.9%	\$0  Diffe  Base Rates \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	(\$39.29)  erence due to: GCR (\$18.93) (\$21.05) (\$22.59) (\$24.74) (\$27.01) (\$29.02) (\$31.01) (\$33.29)	\$5.50 DAC 	\$0 EnergyEf \$0 \$0 \$0 \$0 \$0 \$0 \$0
Nonsumption (	256  ting Low ov - Oct Therms)  123 137 147 161 176 189 202 217 231	\$455  Income:  Proposed November-10  \$264 \$282 \$294 \$312 \$331 \$348 \$364 \$383 \$401	\$489  Current Rates \$280 \$300 \$314 \$333 \$354 \$373 \$391 \$412 \$431	(\$34)  Difference(\$16) (\$18) (\$19) (\$21) (\$23) (\$25) (\$27) (\$29) (\$30)	-6.9%  % Chg	\$0  Diffe	(\$39.29)  erence due to: GCR (\$18.93) (\$21.05) (\$22.59) (\$24.74) (\$27.01) (\$29.02) (\$31.01) (\$33.29) (\$35.47)	\$5.50 DAC \$2.65 \$2.94 \$3.16 \$3.49 \$3.81 <b>\$4.09</b> \$4.36 \$4.69 \$4.98	\$0  EnergyEff  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0
Nonsumption (	256  ting Low  ov - Oct Therms)  123 137 147 161 176 189 202 217	\$455  Income:  Proposed November-10  \$264 \$282 \$294 \$312 \$331 \$348 \$364 \$383	\$489  Current Rates \$280 \$300 \$314 \$333 \$354 <b>\$373</b> \$391 \$412	(\$34)  Difference (\$16) (\$18) (\$19) (\$21) (\$23) (\$25) (\$27) (\$29)	-6.9%  % Chg -5.8% -6.0% -6.2% -6.4% -6.5% -6.7% -6.8% -6.9%	\$0  Diffe  Base Rates \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	(\$39.29)  erence due to: GCR (\$18.93) (\$21.05) (\$22.59) (\$24.74) (\$27.01) (\$29.02) (\$31.01) (\$33.29)	\$5.50 DAC 	\$0  EnergyEff  \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0

	Nov. Ost	Dropood	Current			Diffe	erence due to:		
Consumption	Nov - Oct (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEf
	824	\$1,580	\$1,703	(\$123)	-7.2%	\$0	(\$141)	\$18	\$0
	916	\$1,693	\$1,830	(\$137)	-7.5%	\$0	(\$157)	\$20	\$0
	1,003	\$1,800	\$1,950	(\$150)	-7.7%	\$0	(\$172)	\$21	\$0
	1,092	\$1,908	\$2,071	(\$163)	-7.9%	\$0	(\$187)	\$23	\$0
	1,179	\$2,011	\$2,187	(\$176)	-8.1%	\$0	(\$202)	\$25	\$0
Average Customer	1,269	\$2,114	\$2,304	(\$190)	-8.2%	<b>\$0</b>	(\$217)	\$27	\$0
_	1,359	\$2,218	\$2,421	(\$203)	-8.4%	\$0	(\$232)	\$29	\$0
	1,447	\$2,319	\$2,536	(\$216)	-8.5%	\$0	(\$247)	\$31	\$0
	1,535	\$2,420	\$2,650	(\$230)	-8.7%	\$0	(\$262)	\$33	\$0
	1,622	\$2,520	\$2,763	(\$243)	-8.8%	\$0	(\$277)	\$35	\$0
	1,715	\$2,628	\$2,884	(\$257)	-8.9%	\$0	(\$293)	\$37	\$0
C & I Medium:									
	Nov - Oct	Proposed	Current			Diffe	erence due to:		
	Nov - Oct (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Base Rates	GCR	DAC	 EnergyEff
		•		Difference (\$1,065)	% Chg 			DAC  \$152	 EnergyEff \$0
	(Therms)	November-10	Rates			Base Rates	GCR		
	(Therms) 7,117	November-10  \$9,097	Rates  \$10,162	(\$1,065)	-10.5%	Base Rates	GCR (\$1,217)	\$152	\$0 \$0
	(Therms) 7,117 7,884	November-10  \$9,097 \$9,999	Rates  \$10,162 \$11,179	(\$1,065) (\$1,179)	-10.5% -10.6%	Base Rates  \$0 \$0	GCR  (\$1,217) (\$1,348)	\$152 \$169	\$0 \$0 \$0
	7,117 7,884 8,649	November-10  \$9,097 \$9,999 \$10,900	Rates  \$10,162 \$11,179 \$12,194	(\$1,065) (\$1,179) (\$1,294)	-10.5% -10.6% -10.6%	Base Rates 	GCR  (\$1,217) (\$1,348) (\$1,479)	\$152 \$169 \$185	\$0 \$0 \$0 \$0
	7,117 7,884 8,649 9,416	November-10 \$9,097 \$9,999 \$10,900 \$11,803	Rates  \$10,162 \$11,179 \$12,194 \$13,211	(\$1,065) (\$1,179) (\$1,294) (\$1,409)	-10.5% -10.6% -10.6% -10.7%	Base Rates	GCR(\$1,217) (\$1,348) (\$1,479) (\$1,610)	\$152 \$169 \$185 \$202	\$0 \$0 \$0 \$0 \$0
Consumption	7,117 7,884 8,649 9,416 10,185	\$9,097 \$9,999 \$10,900 \$11,803 \$12,708	Rates \$10,162 \$11,179 \$12,194 \$13,211 \$14,232	(\$1,065) (\$1,179) (\$1,294) (\$1,409) (\$1,524)	-10.5% -10.6% -10.6% -10.7% -10.7%	Base Rates	GCR(\$1,217) (\$1,348) (\$1,479) (\$1,610) (\$1,742)	\$152 \$169 \$185 \$202 \$218	\$0 \$0 \$0 \$0 \$0 \$0
Consumption	7,117 7,884 8,649 9,416 10,185 <b>10,950</b>	\$9,097 \$9,999 \$10,900 \$11,803 \$12,708 <b>\$13,608</b>	Rates \$10,162 \$11,179 \$12,194 \$13,211 \$14,232 <b>\$15,246</b>	(\$1,065) (\$1,179) (\$1,294) (\$1,409) (\$1,524) <b>(\$1,638)</b>	-10.5% -10.6% -10.6% -10.7% -10.7% -10.7%	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	GCR (\$1,217) (\$1,348) (\$1,479) (\$1,610) (\$1,742) <b>(\$1,872)</b>	\$152 \$169 \$185 \$202 \$218 <b>\$234</b>	\$0 \$0 \$0 \$0 \$0 \$0 \$0
Consumption	7,117 7,884 8,649 9,416 10,185 <b>10,950</b> 11,715	\$9,097 \$9,999 \$10,900 \$11,803 \$12,708 <b>\$13,608</b> \$14,509	Rates \$10,162 \$11,179 \$12,194 \$13,211 \$14,232 <b>\$15,246</b> \$16,261	(\$1,065) (\$1,179) (\$1,294) (\$1,409) (\$1,524) <b>(\$1,638)</b> (\$1,753)	-10.5% -10.6% -10.6% -10.7% -10.7% -10.7% -10.8%	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	GCR (\$1,217) (\$1,348) (\$1,479) (\$1,610) (\$1,742) (\$1,872) (\$2,003)	\$152 \$169 \$185 \$202 \$218 <b>\$234</b> \$251	\$0
Consumption	7,117 7,884 8,649 9,416 10,185 <b>10,950</b> 11,715 12,484	\$9,097 \$9,999 \$10,900 \$11,803 \$12,708 <b>\$13,608</b> \$14,509 \$15,414	Rates \$10,162 \$11,179 \$12,194 \$13,211 \$14,232 <b>\$15,246</b> \$16,261 \$17,281	(\$1,065) (\$1,179) (\$1,294) (\$1,409) (\$1,524) <b>(\$1,638)</b> (\$1,753) (\$1,868)	-10.5% -10.6% -10.6% -10.7% -10.7% -10.7% -10.8%	Base Rates	GCR	\$152 \$169 \$185 \$202 \$218 <b>\$234</b> \$251 \$267	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0

C & I LLF Large:						D:#			
	Nov - Oct	Proposed	Current			DIΠ	erence due to:		
Consumption		November-10	Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEff
	37,532	\$46,096	\$51,711	(\$5,615)	-10.9%	\$0	(\$6,418)	\$803	\$0
	41,573	\$50,904	\$57,123	(\$6,219)	-10.9%	\$0	(\$7,109)	\$890	\$0
	45,616	\$55,714	\$62,539	(\$6,824)	-10.9%	\$0	(\$7,800)	\$976	\$0
	49,660	\$60,526	\$67,955	(\$7,429)	-10.9%	\$0	(\$8,492)	\$1,063	\$0
	53,699	\$65,332	\$73,365	(\$8,033)	-10.9%	\$0	(\$9,183)	\$1,149	\$0
Average Customer	57,742	\$70,142	\$78,780	(\$8,638)	-11.0%	\$0	(\$9,874)	\$1,236	\$0
•	61,785	\$74,953	\$84,196	(\$9,243)	-11.0%	\$0	(\$10,565)	\$1,322	\$0
	65,824	\$79,758	\$89,606	(\$9,847)	-11.0%	\$0	(\$11,256)	\$1,409	\$0
	69,868	\$84,570	\$95,022	(\$10,452)	-11.0%	\$0	(\$11,947)	\$1,495	\$0
	73,911	\$89,380	\$100,437	(\$11,057)	-11.0%	\$0	(\$12,639)	\$1,582	\$0
	77,952	\$94,188	\$105,850	(\$11,662)	-11.0%	\$0	(\$13,330)	\$1,668	\$0
C & I HLF Large:	Nov - Oct	Proposed	Current			Diff	erence due to:		
Consumption		November-10	Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEff
	37,970	\$41,998	\$47,014	(\$5,016)	-10.7%	\$0	(\$5,828)	\$813	\$0
	42,061	\$46,368	\$51,924	(\$5,556)	-10.7%	\$0	(\$6,456)	\$900	\$0
	46,151	\$50,737	\$56,834	(\$6,097)	-10.7%	\$0	(\$7,084)	\$988	\$0
	50,240	\$55,104	\$61,741	(\$6,637)	-10.7%	\$0	(\$7,712)	\$1,075	\$0
	54,329	\$59,472	\$66,649	(\$7,177)	-10.8%	\$0	(\$8,339)	\$1,163	\$0
Average Customer	58,418	\$63,840	\$71,557	(\$7,717)	-10.8%	\$0	(\$8,967)	\$1,250	\$0
	62,508	\$68,209	\$76,466	(\$8,257)	-10.8%	\$0	(\$9,595)	\$1,338	\$0
	66,596	\$72,576	\$81,373	(\$8,797)	-10.8%	\$0	(\$10,223)	\$1,425	\$0
	70,686	\$76,944	\$86,282	(\$9,338)	-10.8%	\$0	(\$10,850)	\$1,513	\$0
	74,775	\$81,312	\$91,190	(\$9,878)	-10.8%	\$0	(\$11,478)	\$1,600	\$0
									\$0

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C & I LLF Extra-Lai	rge:								
	Name Oat	Danasasas	0			Diff	erence due to:		
0	Nov - Oct	Proposed	Current	D:#	0/ Ob =	Dana Datas			
Consumption	ı (Therms)	November-10	Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEff
	189,450	\$202,483	\$230,824	(\$28,342)	-12.3%	\$0	(\$32,396)	\$4,054	\$0
	209,855	\$223,904	\$255,298	(\$31,394)	-12.3%	\$0	(\$35,885)	\$4,491	\$0
	230,255	\$245,319	\$279,765	(\$34,446)	-12.3%	\$0	(\$39,374)	\$4,927	\$0
	250,655	\$266,735	\$304,233	(\$37,498)	-12.3%	\$0	(\$42,862)	\$5,364	\$0
	271,059	\$288,155	\$328,705	(\$40,550)	-12.3%	\$0	(\$46,351)	\$5,801	\$0
Average Customer	291,462	\$309,574	\$353,177	(\$43,603)	-12.3%	\$0	(\$49,840)	\$6,237	\$0
•	311,865	\$330,993	\$377,648	(\$46,655)	-12.4%	\$0	(\$53,329)	\$6,674	\$0
	332,269	\$352,412	\$402,120	(\$49,707)	-12.4%	\$0	(\$56,818)	\$7,111	\$0
	352,669	\$373,828	\$426,588	(\$52,759)	-12.4%	\$0	(\$60,306)	\$7,547	\$0
	373,069	\$395,244	\$451,055	(\$55,811)	-12.4%	\$0	(\$63,795)	\$7,984	\$0
	393,474	\$416,665	\$475,529	(\$58,864)	-12.4%	\$0	(\$67,284)	\$8,420	\$0
C & I HLF Extra-La	rge:								
						Diff	erence due to:		
	Nov - Oct	Proposed	Current						
Consumption	n (Therms)	November-10	Rates	Difference	% Chg	Base Rates	GCR	DAC	EnergyEff
	184,661	\$193,271	\$217,665	(\$24,394)	-11.2%	\$0	(\$28,345)	\$3,952	\$0
	204,549	\$213,699	\$240,720	(\$27,021)	-11.2%	\$0	(\$31,398)	\$4,377	\$0
	224,435	\$234,124	\$263,772	(\$29,648)	-11.2%	\$0	(\$34,451)	\$4,803	\$0
	244,321	\$254,550	\$286,825	(\$32,275)	-11.3%	\$0	(\$37,503)	\$5,228	\$0
	264,206	\$274,975	\$309,876	(\$34,902)	-11.3%	\$0	(\$40,556)	\$5,654	\$0
Average Customer		\$295,402	\$332,931	(\$37,529)	-11.3%	\$0	(\$43,608)	\$6,080	\$0
	303,982	\$315,830	\$355,986	(\$40,156)	-11.3%	\$0	(\$46,661)	\$6,505	\$0
	323,867	\$336,254	\$379,037	(\$42,783)	-11.3%	\$0	(\$49,714)	\$6,931	\$0
	343,753	\$356,680	\$402,090	(\$45,410)	-11.3%	\$0	(\$52,766)	\$7,356	\$0
	363,639	\$377,105	\$425,142	(\$48,037)	-11.3%	\$0	(\$55,819)	\$7,782	\$0
	383,527	\$397,533	\$448,197	(\$50,664)	-11.3%	\$0	(\$58,871)	\$8,207	\$0

#### **Attachment NG-JFN-5**

The Narragansett Electric Company d/b/a National Grid RIPUC NG-GAS No. 101

Section 7 Miscellaneous Services Schedule A, Sheet 1 Fifth Revision

### NATURAL GAS VEHICLE SERVICE RATE 70

### 1.0 NATURAL GAS VEHICLE SERVICE

**1.1 AVAILABILITY:** This rate is available for compressed natural gas

dispensed at Company-owned fueling stations for the

purpose of fueling natural gas vehicles.

No other use of gas will be included in this rate for

billing purposes.

**1.2 RATES:** Customer Charge: \$5.00 per month

Energy Charge:

Distribution Charge: \$0.1958 per Therm

Commodity Charge: \$0.7436 Therm

**1.3 MINIMUM RATE:** Customer Charge

1.4 GENERAL RULES AND

**REGULATIONS:** The Company's General Rules and Regulations in

Section 1 of RIPUC NG-GAS No. 101, as in effect from time-to-time and where not inconsistent with any specific provisions hereof, are a part of this Schedule.

1.5 RHODE ISLAND GROSS

**EARNINGS TAX:** The application of the above rates are subject to the

Rhode Island Gross Earnings Tax provisions in

Section 1, Schedule D.

1.6 GAS ENERGY

**EFFICIENCY:** The application of the above rate is subject to Gas

Energy Efficiency provisions in Section 1, Schedule C.

Issued: September 1, 2010 Effective: November 1, 2010

Gas Cost Recovery (GCR)

Attachment-NG-JFN-6S Docket No. 4199 October 14, 2010 Page 1 of 3

### **Summary of Marketer Transportation Factors**

Item	Reference	Proposed	Billing Units
FT-2 Firm Transportation Marketer Gas Charge	pg 15	\$0.0367	Therms throughput of Marketer Pool
Pool Balancing Charge	pg 16	\$0.0023	Per % of balancing elected per Therm throughput of Marketer Pool
Weighted Average Upstream Pipeline Transportation Cost	EDA - 4	\$0.9677	Per Therm of capacity

Gas Cost Recovery (GCR)

Attachment-NG-JFN-6S Docket No. 4199 October 14, 2010 Page 2 of 3

### **Calculation of FT-2 Marketer Gas Charge**

## I. Determination of FT-2 Storage Fixed Cost Factor

1	Allocated Storage Fixed Costs	reference						
2	C & I Medium	JFN-1, pg 3	\$1,474,820					
3	C & I Large LLF	JFN-1, pg 3	\$586,391					
4	C & I Large HLF	JFN-1, pg 3	\$107,288					
5	C & I Extra Large LLF	JFN-1, pg 3	\$133,872					
6	C & I Extra Large HLF	JFN-1, pg 3	\$52,136					
7	sub-total	sum ([1]:[6])	\$2,354,508					
8	Through-put (dth)	JFN-1, pg 14	6,129,277					
9	Storage Fixed Factor	[7] / [8]	\$0.3841					
II. St	orage Variable Non-product Cost Factor	JFN-1, pg 1	(\$0.0263)					
TOT	AL FT-2 Gas Marketer Charge (per Dth)		\$0.3578					
	Uncollectible %	Dkt 3943	2.46%					
TOT	TOTAL FT-2 Gas Marketer Charge adj for uncollectible (\$/dth) \$0.36							

Gas Cost Recovery (GCR)

#### Calculation of Pool Balancing Charge

		reference	Medium <u>C&amp;I</u>	Large <u>LLF</u>	Large <u>HLF</u>	Extra Large <u>LLF</u>	Extra Large <u>HLF</u>	<u>Total</u>
1	Throughput (dth)	JFN-1, pg 14	3,896,621	1,428,798	367,208	287,165	149,485	6,129,277
2	% allocation		63.57%	23.31%	5.99%	4.69%	2.44%	100.00%
3	Supply Fixed Cost Factor	JFN-1, pg 1	\$0.8190	\$0.8190	\$0.6341	\$0.8190	\$0.6341	
4	Storage Fixed Cost Factor	JFN-1, pg 1	\$0.3984	\$0.3984	\$0.3032	\$0.3984	\$0.3032	
5	Storage Variable Cost Factor	JFN-1, pg 1	\$1.0566	\$1.0566	\$1.0566	\$1.0566	\$1.0566	
6	Class Specific Pool Balancing Charge	([3]+[4]+[5]) x 1%	\$0.0227	\$0.0227	\$0.0199	\$0.0227	\$0.0199	
7	Class Specific Weighted Average ( \$/dth )	[6] x [2]	\$0.0145	\$0.0053	\$0.0012	\$0.0011	\$0.0005	\$0.0225
8	Uncollectible %	Docket 3943	2.46%	2.46%	2.46%	2.46%	2.46%	
9	Pool Balancing Charge adjusted for Uncollectible	([7] / (1-[8])	\$0.0148	\$0.0054	\$0.0012	\$0.0011	\$0.0005	\$0.0230
10	Per Therm Pool Balancing Charge	[9] / 10					Γ	\$0.0023