

October 13, 2009

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4097 – Gas Cost Recovery (GCR) 2009  
Responses to Direct Energy Data Requests - Set 1**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of National Grid's<sup>1</sup> responses to Direct Energy's first set of data requests issued on October 5, 2009 in the above-captioned proceeding.

Please be advised that the Company is seeking protective treatment of confidential attachment provided in response to Direct Energy Data Request 1-2 and Attachment 2 (Revised EDA-4) in response to Direct Energy Data Request 1-4, as permitted by Commission Rule 1.2(g) and by R.I.G.L. § 38-2-2(4)(i)(B). The Company has submitted a Motion for Protective Treatment under separate cover along with a copy of the confidential attachments to the Commission pending a determination on the Company's Motion. The Company has submitted a redacted version of the response in this filing for the public record. In addition, the Company plans to provide a copy of the confidential attachment to the Division upon the execution of a nondisclosure agreement.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

Enclosures

cc: Docket 4097 Service List  
Steve Scialabba, Division

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<sup>1</sup> Submitted on behalf of The Narragansett Electric Company d/b/a National Grid

## Certificate of Service

I hereby certify that a copy of the cover letter and / or any materials accompanying this certificate has been electronically transmitted, sent via U.S. mail or hand-delivered to the individuals listed below.



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

October 13, 2009  
Date

**Docket No. 4097 – National Grid – Annual Gas Cost Recovery Filing  
("GCR") - Service List as of 10/5/09**

<b>Name/Address</b>	<b>E-mail</b>	<b>Phone/FAX</b>
Thomas R. Teehan, Esq. National Grid 280 Melrose St. Providence, RI 02907	<a href="mailto:Thomas.teehan@us.ngrid.com">Thomas.teehan@us.ngrid.com</a>	401-784-7667
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Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence RI 02903	<a href="mailto:Lwold@riag.ri.gov">Lwold@riag.ri.gov</a>	401-222-2424
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	<a href="mailto:Mtobin@riag.ri.gov">Mtobin@riag.ri.gov</a>	
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David C. Fixler, Esq. (for Direct Energy) Rubin and Rudman LLP 50 Rowes Wharf, 3 <sup>rd</sup> Floor Boston, MA 02110	<a href="mailto:dfixler@rubinrudman.com">dfixler@rubinrudman.com</a>	617-330-7000
Bruce Oliver Revilo Hill Associates 7103 Laketree Drive Fairfax Station, VA 22039	<a href="mailto:Boliver.rha@verizon.net">Boliver.rha@verizon.net</a>	703-569-6480
<b>File an original &amp; nine (9) copies w/:</b> Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick RI 02888	<a href="mailto:Lmassaro@puc.state.ri.us">Lmassaro@puc.state.ri.us</a>	401-780-2107
	<a href="mailto:Plucarelli@puc.state.ri.us">Plucarelli@puc.state.ri.us</a>	401-941-1691
	<a href="mailto:Sccamara@puc.state.ri.us">Sccamara@puc.state.ri.us</a>	

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

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**Annual Gas Cost Recovery Filing 2009**  
**Docket No. 4097**

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**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 September 1, 2009, National Grid filed with the Commission its Annual Gas Cost Recovery filing in this docket. On October 13, 2009, the Company responded to data requests it had received from Direct Energy, an intervenor to this proceeding. The Company’s responses to data request 1-4 included an attachment (EDA-4) containing information relative to the Company’s Distrigas contract and relative to forecasted basis numbers for which National Grid is requesting confidential treatment. In addition,

attachments to the Company's responses to Direct Energy's data request 1-2 and 1-4 include information (Attachment 1-2 and Attachment EDA-4) relative to forecasted basis numbers 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

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

substantial harm to the competitive position of the person from whom the information was obtained. Providence Journal Company v. Convention Center Authority, 774 A.2d 40 (R.I.2001).

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

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 Providence Journal v. Kane, 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 Attachment EDA-4, pages 2 through 7 and pages 13 through 16, and at Attachment 1-2, pages 1 through 2. The Company seeks protective treatment 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.

The Company has also redacted confidential pricing information from its FCS contract with Dstrigas, which information appears at EDA-4, pages 1 through 4, and at

pages 10, 16, and 18. The Company seeks protective treatment for that information because it is proprietary and competitively sensitive information that is the subject of a confidentiality agreement between the Company and Distrigas.

### **III. CONCLUSION**

Accordingly, the Company requests that the Commission grant protective treatment to those previously identified portions of its responses to Direct Energy's first set of data requests.

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

Respectfully submitted,

**NATIONAL GRID**

By its attorney,



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Thomas R. Teehan, Esq. (RI Bar #4698)  
National Grid  
280 Melrose Street  
Providence, RI 02907  
(401) 784-7667

Dated: October 13, 2009

Direct Energy Data Request 1-1

Request:

Please explain what is included in “Impact of Financial Hedges” of \$50,823,420 in Attachment EDA-2 on Page 9 of 17.

Response:

The “Impact of Financial Hedges” is the difference between the original cost of the futures contract purchases made under the GPIIP as of July 31, 2009 and the August 24<sup>th</sup> NYMEX strip.

Prepared by or under the supervision of: Gary Beland

Direct Energy Data Request 1-2

Request:

Please describe the derivation of the \$0.3967 “Average System Variable Unit Value \$/DTH” (Attachment EDA-4, Page 10 of 18) and illustrate how it is calculated, including each cost element and volumes used.

Response:

The Company has prepared the attached Redacted Attachment 1. Attachment 1 explains the steps required to calculate The Average System Variable Unit Value \$/DTH.

The Average System Variable Unit Value \$/DTH is calculated by inputting the cost of supplies utilizing the NYMEX strip. The next step is to subtract it from the total pipeline costs less injections to determine the total pipeline variable costs. The variable costs are then divided by the total pipeline volumes less injections to determine an average system variable unit value. To calculate the total pipeline costs the volumes taken from the 2009-2010 Sendout model are multiplied by a delivered cost per Dth and then totaled to determine the total delivered pipeline cost for the month, shown in attachment EDA-4, Pages 11-18, and then totaled to calculate the \$193,623,687 for the year (Step 1). The monthly volumes are also totaled to calculate the 30,556,771 Dths for the year (Step 2). The monthly pipeline costs are then divided by the monthly pipeline volumes to calculate the monthly WACOG (Step 3). The monthly WACOG is then multiplied by the monthly injection volumes to calculate a monthly cost of injections valued at WACOG (Step 4). The monthly injections valued at WACOG are then subtracted from the total monthly pipeline costs to calculate the pipeline costs less injections which sums to \$170,450,922 for the year (Step 5). The monthly pipeline volumes less injections are calculated by subtracting the monthly injection volumes from the monthly pipeline volumes and totaled to get 26,971,979 Dths for the year (Step 6). Next, the cost of supplies at NYMEX are calculated by multiplying the monthly pipeline volumes less injections by the NYMEX price for each month and then totaled to calculate a NYMEX cost of supplies of \$159,751,652 for the year (Step 7). The total NYMEX cost of supplies are then subtracted from the total pipeline costs less injections to get the total variable costs for the year of \$10,699,270 (Step 8). Finally, the total variable costs for the year are divided by the total pipeline volumes less injections to get the Average System Variable Unit Value \$/Dth of \$0.3967 (Step 9).

Prepared under the Supervision of Elizabeth Arangio



**STEP 1**

TOTAL PIPELINE COSTS	
NOV	
DEC	
JAN	
FEB	
MAR	
APR	
MAY	
JUN	
JUL	
AUG	
SEP	
OCT	
<b>TOTAL</b>	<b>\$ 193,623,687</b>

**STEP 2**

TOTAL PIPELINE VOLUMES	
NOV	
DEC	
JAN	
FEB	
MAR	
APR	
MAY	
JUN	
JUL	
AUG	
SEP	
OCT	
<b>TOTAL</b>	<b>30,556,771</b>

**STEP 3**

	PIPE COSTS	PIPE VOLUMES	WACOG
NOV			
DEC			
JAN			
FEB			
MAR			
APR			
MAY			
JUN			
JUL			
AUG			
SEP			
OCT			
	<b>\$ 193,623,687</b>	<b>30,556,771</b>	<b>\$ 6.337</b>

**STEP 4**

	INJECTIONS	WACOG	VALUE AT WACOG
NOV			
DEC			
JAN			
FEB			
MAR			
APR			
MAY			
JUN			
JUL			
AUG			
SEP			
OCT			
<b>TOTAL</b>	<b>3,584,792</b>		<b>\$ 23,172,765</b>

STEP 5

	PIPE COSTS	INJ COSTS	PIPE LESS INJ
NOV			
DEC			
JAN			
FEB			
MAR			
APR			
MAY			
JUN			
JUL			
AUG			
SEP			
OCT			
<b>TOTAL</b>	<b>\$ 193,623,687</b>	<b>\$ 23,172,765</b>	<b>\$ 170,450,922</b>

STEP 6

	PIPE VOLS	INJ VOLS	PIPE LESS INJ
NOV			
DEC			
JAN			
FEB			
MAR			
APR			
MAY			
JUN			
JUL			
AUG			
SEP			
OCT			
<b>TOTAL</b>	<b>30,556,771</b>	<b>3,584,792</b>	<b>26,971,979</b>

STEP 7

	PIPE LESS INJ	NYMEX	COST AT NYMEX
NOV			
DEC			
JAN			
FEB			
MAR			
APR			
MAY			
JUN			
JUL			
AUG			
SEP			
OCT			
<b>TOTAL</b>	<b>26,971,979</b>		<b>\$ 159,751,652</b>

STEP 8

PIPELINE COSTS LESS INJECTIONS	
NYMEX COSTS OF SUPPLIES	
<b>TOTAL VARIABLE COSTS</b>	<b>\$ 10,699,270</b>

STEP 9

TOTAL VARIABLE COSTS	
TOTAL PIPELINE VOLUMES LESS INJECTIONS	
AVERAGE SYSTEM VARIABLE	
<b>UNIT VALUE \$/DTH</b>	<b>\$ 0.3967</b>

Direct Energy Data Request 1-3

Request:

Is any of the “Impact of Financial Hedges” included in the average path cost of \$0.9987 or any one of the marketer path costs? If so, please provide the value (\$/Dth) included in the average or individual paths. Also, if included, does such inclusion have an effect on the performance of National Grid’s Gas Portfolio Management Plan (GPMP) and if so, please quantify.

Response:

None of the “Impact of Financial Hedges is included in the calculation of the average or individual path costs.

Prepared by or under the supervision of: Gary Beland

Direct Energy Data Request 1-4

Request:

Please explain the difference in the marketer path costs from 2008-2009 and this year's proposed path costs for 2009-2010. Please quantify each major reason.

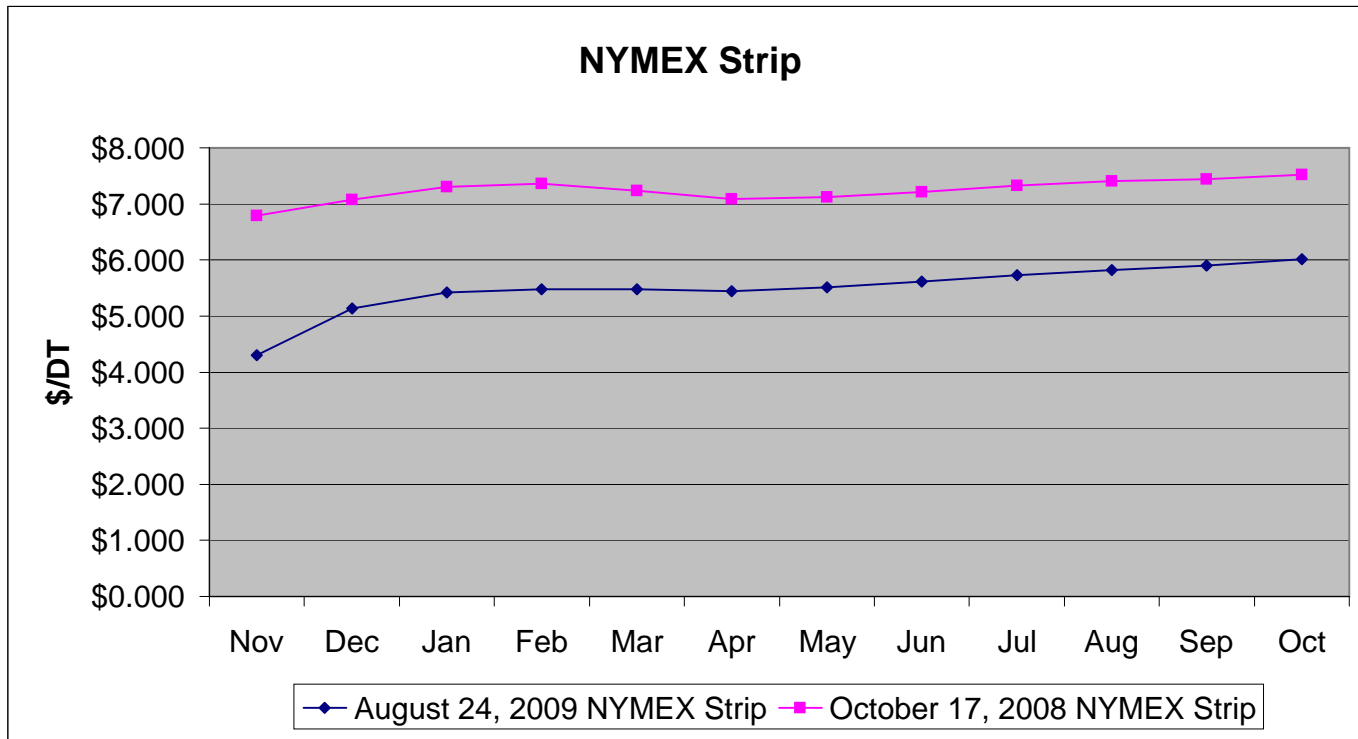
Response:

The majority of parameters that are used in calculating the path costs have not changed significantly from the 2008-2009 filing. Pipeline rates and fuel loss factors are virtually the same and the portfolio of pipeline capacity is unchanged from last year. The two components that have changed are the NYMEX prices and basis prices. The NYMEX prices are much lower for the 2009-10 period as compared to the NYMEX prices for the 2008-09 period. Please see the attached graph (Attachment 1) that represents the NYMEX prices used in both the 2009-2010 GCR filing as well as the prices used in the final 2008-2009 compliance filing. On average, the 2009-2010 NYMEX results in a \$1.754/dth decrease in price. In addition, the basis numbers used to calculate path costs for the 2009-10 period reflect a forward market price as opposed to a historical three-year average price used in the calculation of the 2008-09 path costs. Using the forward market price as opposed to a historical three-year average provides a forecast that is consistent with market expectations for the period and avoids anomalies that can be inherent in historical averages due to weather that deviates significantly from normal, large swings in commodity pricing and hurricane activity.

In addition, please see revised EDA-4 (included here as redacted Attachment 2). In preparing this response, the Company discovered that the June 26, 2009 NYMEX pricing strip was used in the original EDA-4 filed on September 1, 2009. The revised schedule includes updated path pricing utilizing the August 24, 2009 NYMEX strip.

Prepared by or under the supervision of: Elizabeth Arangio

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
October 17, 2008 NYMEX Strip	\$6.786	\$7.076	\$7.306	\$7.361	\$7.236	\$7.091	\$7.121	\$7.216	\$7.326	\$7.409	\$7.439	\$7.519
August 24, 2009 NYMEX Strip	\$4.307	\$5.130	\$5.422	\$5.473	\$5.473	\$5.446	\$5.509	\$5.610	\$5.730	\$5.825	\$5.896	\$6.018



**National Grid  
Summary of Transportation Capacity Release  
Pipeline Path Availability and Pricing  
November 2009 - October 2010**

<b>Path to City Gate</b>	<b>As of 9/1/09 Existing Releases</b>	<b>Total Available</b>	<b>Remaining Available</b>	<b>Cost /Dth</b>	<b>New Credit/ Surcharge</b>	<b>Old Credit / Surcharge</b>
<b>Company Weighted Average</b>				<b>\$0.963</b>		
Tennessee Zone 1	5,992	6,000	8	\$0.941	\$0.022	(\$0.205)
Algonquin @ Lambertville, NJ	2,334	2,714	380	\$0.716	\$0.248	(\$0.198)
Texas Eastern - South Texas Algonquin @ Lambertville, NJ	4,044	4,044	0	\$1.185	(\$0.221)	(\$0.044)
Texas Eastern - West La Algonquin @ Lambertville, NJ	6,000	6,000	0	\$1.145	(\$0.181)	(\$0.363)
Texas Eastern - East La Algonquin @ Lambertville, NJ	5,491	5,500	9	\$1.141	(\$0.177)	(\$0.313)
Columbia (Maumee/Downington) at 5:1 ratio**	0	1,000	1,000	\$0.638	\$0.326	\$0.035
<b>Totals</b>	23,861	25,258	1,397			

\*\* 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.









Gas Year 2009 - 2010  
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
<b>FIXED</b>														
COLUMBIA FTS DEMAND	\$/Dth	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010
ALGONQUIN 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	\$5.98
<b>VARIABLE</b>														
COLUMBIA USAGE	\$/Dth	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021
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	\$0.013
8/24/2009 NYMEX	\$/Dth	\$4.307	\$5.130	\$5.422	\$5.473	\$5.473	\$5.446	\$5.509	\$5.610	\$5.730	\$5.825	\$5.896	\$6.018	
SUPPLY BASIS MAUMEE	\$/Dth													
SUPPLY BASIS DOWNINGTON	\$/Dth													
NET COST AFTER BASIS MAUMEE	\$/Dth													
NET COST AFTER BASIS DOWNINGTON	\$/Dth													

BILLING UNITS

<b>FIXED</b>														
COLUMBIA FTS DEMAND	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	1,022
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
<b>VARIABLE</b>														
COLUMBIA USAGE	Dth	90,927	94,359	94,359	85,227	94,359	90,927	93,958	90,927	93,958	93,958	90,927	93,958	93,958
ALGONQUIN USAGE	Dth	90,000	93,000	93,000	84,000	93,000	90,000	93,000	90,000	93,000	93,000	90,000	93,000	93,000
PURCHASE VOLUMES MAUMEE	Dth	75,773	78,632	78,632	71,023	78,632	75,773	78,299	75,773	78,299	78,299	75,773	78,299	78,299
PURCHASE VOLUMES DOWNINGTON	Dth	15,155	15,726	15,726	14,205	15,726	15,155	15,660	15,155	15,660	15,660	15,155	15,660	15,660
DELIVERED VOLUMES MAUMEE	Dth	75,000	77,500	77,500	70,000	77,500	75,000	77,500	75,000	77,500	77,500	75,000	77,500	912,500
DELIVERED VOLUMES DOWNINGTON	Dth	15,000	15,500	15,500	14,000	15,500	15,000	15,500	15,000	15,500	15,500	15,000	15,500	182,500

FUEL USE %

COLUMBIA FUEL	%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%	2.13%
ALGONQUIN AFT-E FUEL	%	1.02%	1.44%	1.44%	1.44%	1.44%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%

<b>FIXED</b>															
COLUMBIA FTS DEMAND	\$	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$6,141	\$73,689
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	\$5,977	\$71,725
<b>VARIABLE</b>															
COLUMBIA USAGE	\$	\$1,946	\$2,019	\$2,019	\$1,824	\$2,019	\$1,946	\$2,011	\$1,946	\$2,011	\$2,011	\$1,946	\$2,011	\$2,011	\$23,708
ALGONQUIN USAGE	\$	\$1,161	\$1,200	\$1,200	\$1,084	\$1,200	\$1,161	\$1,200	\$1,161	\$1,200	\$1,200	\$1,161	\$1,200	\$1,200	\$14,126
PURCHASE COST MAUMEE	\$	\$332,075	\$409,320	\$432,281	\$394,070	\$436,291	\$418,380	\$437,259	\$430,807	\$454,563	\$462,001	\$452,478	\$477,113	\$5,136,637	
PURCHASE COST DOWNINGTON	\$	\$72,178	\$87,845	\$92,437	\$84,216	\$93,239	\$89,439	\$93,407	\$91,925	\$96,868	\$98,356	\$96,259	\$101,378	\$1,097,546	
TOTAL FIXED	\$	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$12,118	\$145,414	
TOTAL VARIABLE	\$	\$407,360	\$500,384	\$527,937	\$481,193	\$532,749	\$510,926	\$533,876	\$525,838	\$554,641	\$563,567	\$551,843	\$581,701	\$6,272,017	
DELIVERED VOLUMES AT NYMEX	\$	\$387,630	\$477,090	\$504,246	\$459,732	\$508,989	\$490,140	\$512,337	\$504,900	\$532,890	\$541,725	\$530,640	\$559,674	\$6,009,993	
NET NON-GAS VARIABLE COST	\$	\$19,730	\$23,294	\$23,691	\$21,461	\$23,760	\$20,786	\$21,539	\$20,938	\$21,751	\$21,842	\$21,203	\$22,027	\$262,024	
AVERAGE NON-GAS VARIABLE COST	\$/Dth	<b>\$0.219</b>	<b>\$0.250</b>	<b>\$0.255</b>	<b>\$0.255</b>	<b>\$0.255</b>	<b>\$0.231</b>	<b>\$0.232</b>	<b>\$0.233</b>	<b>\$0.234</b>	<b>\$0.235</b>	<b>\$0.236</b>	<b>\$0.237</b>	<b>\$0.239</b>	

AVERAGE FIXED COST	\$/Dth	
AVERAGE COST AT 100% LOAD FACTOR	\$/Dth	
TOTAL PATH COST	\$/Dth	





CALCULATION OF SYSTEM WEIGHTED AVERAGE DEMAND COSTS

2009 - 2010 GCR PROJECTED PRICES

August 1, 2009 Update

UNIT PRICES

	NOV 2009	DEC	JAN 2010	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
<b>PIPELINE FIXED COST UNIT PRICES</b>												
ALGONQU N 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
ALGONQU N AFT-3 DEMAND	\$/Dth	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755	\$10.755
ALGONQU N AFT-ES/1S DEMAND	\$/Dth	\$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 M3	\$/Dth	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810	\$6.810
TEXAS EASTERN WLA CDS DEMAND M3	\$/Dth	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828	\$2.828
TEXAS EASTERN ELA CDS DEMAND M3	\$/Dth	\$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 M3	\$/Dth	\$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
TETCO M1 TO M3 DEMAND M3	\$/Dth	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142	\$11.142
TETCO SCT STX DEMAND	\$/Dth	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724
TETCO SCT WLA DEMAND	\$/Dth	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131
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
TETCO SCT DEMAND 1-3	\$/Dth	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457	\$4.457
TETCO SCT STX DEMAND M2	\$/Dth	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724	\$2.724
TETCO SCT WLA DEMAND M2	\$/Dth	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131	\$1.131
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
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	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388	\$3.388
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	\$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	\$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	\$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
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
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
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	\$4.666	\$4.515
TRANSCANADA	\$/Dth	\$30.150	\$31.155	\$31.155	\$28.140	\$31.155	\$30.150	\$31.155	\$30.150	\$31.155	\$31.155	\$30.150
DOMINION FTNN DEMAND	\$/Dth	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358	\$4.358
TRANSCO DEMAND ZONE 2 TO 6	\$/Dth	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460	\$0.460
TRANSCO DEMAND ZONE 3 TO 6.	\$/Dth	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434	\$0.434
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	\$/Dth	\$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	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010	\$6.010
HUBLINE	\$/Dth	\$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
HUBLINE	\$/Dth	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992	\$6.992

**SUPPLIER FIXED COST UNIT PRICES**

DISTRIGAS FCS	\$/Dth	
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National Grid  
2009 Estimated GCR  
Normal Weather Scenario

Ventyx  
SENDOUT® Version 12.5.5 REP 13 26-Aug-2009  
Report 13 10:00 27

Natural Gas Supply VS. Requirements

Units: MDT

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total
	2009	2009	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	
Forecast Demand													
RI Sales GCR	2,622,717	4,241,840	5,044,293	4,438,288	3,632,328	2,108,674	1,232,306	831,637	745,208	776,452	801,792	1,460,795	27,936,330
NON EX TR DE	313,107	469,231	497,378	474,703	426,684	275,870	166,121	134,770	109,906	111,264	127,782	170,974	3,277,790
Total Demand	2,935,824	4,711,071	5,541,671	4,912,991	4,059,012	2,384,544	1,398,427	966,407	855,114	887,716	929,574	1,631,769	31,214,120
Storage Injections													
TENN_8995	0	0	0	0	0	14,700	21,840	26,460	26,250	26,250	26,250	26,250	168,000
TENN_501	0	0	0	0	0	50,454	63,738	54,097	124,000	109,264	60,534	54,481	516,568
GSS 600045	0	0	0	0	0	150,000	137,632	137,632	137,632	137,632	137,632	123,869	962,029
GSS 300171	0	0	0	0	0	31,470	32,519	30,418	18,881	18,881	18,881	16,993	168,043
GSS 300169	0	0	0	0	0	43,771	31,000	28,279	20,610	20,610	20,610	18,549	183,429
GSS 300168	0	0	0	0	0	21,025	31,000	25,000	15,405	15,405	15,405	13,865	137,105
GSS 300170	0	0	0	0	0	60,000	62,000	60,000	62,000	49,034	49,034	44,131	386,199
TETCO_400221	0	0	0	0	0	120,000	124,000	120,000	118,804	118,804	118,804	106,923	827,335
TETCO_400515	0	0	0	0	0	8,730	5,664	5,664	5,664	5,664	5,664	5,098	42,148
TETCO 400185	0	0	0	0	0	10,918	5,199	5,199	5,199	5,199	5,199	4,679	41,592
COL FS 38010	0	0	0	0	0	24,000	24,800	24,000	20,396	20,396	20,396	18,356	152,344
LNG EXETER	13,000	0	16,462	0	0	58,610	5,400	0	35,100	65,790	10,500	3,100	207,962
LNG PROV	15,000	7,593	29,400	6,587	0	16,206	78,300	81,000	45,900	0	30,791	15,500	326,277
LNG VALLEY	2,700	15,570	5,438	9,028	0	6,184	0	0	2,700	17,910	2,700	2,790	65,020
Total Injections	30,700	23,163	51,300	15,615	0	616,068	623,092	597,749	638,541	610,839	522,400	454,584	4,184,051
Non-LNG Injections	0	0	0	0	0	535,068	539,392	516,749	554,841	527,139	478,409	433,194	3,584,792
Total LNG Injection	30,700	23,163	51,300	15,615	0	81,000	83,700	81,000	83,700	83,700	43,991	21,390	599,259
Total Req less LNG inj.	2,935,824	4,711,071	5,541,671	4,912,991	4,059,012	2,919,612	1,937,819	1,483,156	1,409,955	1,414,855	1,407,983	2,064,963	34,798,912



	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Total
<b>Sources of Supply</b>													
TENN_ZONE_0	282,960	292,392	292,392	264,096	292,392	282,960	292,392	282,960	292,392	292,392	282,960	292,392	3,442,680
TENN_ZONE_1	0	441,768	445,104	409,964	315,884	0	0	0	0	0	0	0	1,612,720
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_DRACUT	29,700	53,188	138,354	125,891	30,690	450,000	357,877	0	0	10,424	0	0	1,661,124
TETCO_STX	274,620	283,774	283,774	256,312	283,774	274,620	283,774	274,620	283,774	283,774	274,620	283,774	3,341,210
TETCO_ELA	36,521	71,559	74,458	63,480	42,012	0	0	0	0	0	0	0	288,030
TETCO_WLA	204,888	279,014	284,466	255,388	234,220	0	0	0	0	0	0	0	1,257,976
TETCO_ETX	296,580	306,466	306,466	276,808	306,466	296,580	306,466	296,580	306,466	306,466	296,580	306,466	3,608,390
TETCO - NF	0	16,692	22,932	20,286	12,348	0	0	0	0	0	0	0	72,258
HUBL NE	0	47,085	103,540	73,148	4,931	240,000	248,000	201,297	94,938	89,413	134,728	248,000	1,485,080
M3_DELIVERED	0	117,409	125,513	103,225	42,973	0	0	0	0	0	0	0	389,120
MAUMEE_SUPP	885,069	902,619	907,355	806,912	868,104	682,970	15,200	14,400	16,000	16,396	12,396	8,356	5,135,777
BROADRUN_COL	289,616	296,040	305,908	276,304	286,172	234,125	9,600	9,600	4,396	4,000	8,000	10,000	1,733,761
Col Tran-Tet	0	52,351	111,542	84,426	7,360	0	0	0	0	0	0	0	255,679
TRAN WHART	0	930	2,170	2,170	0	0	0	0	0	0	0	0	5,270
TETCO B&W	12,432	35,076	37,296	31,080	12,846	0	0	0	0	0	0	0	128,730
DOM TET FTS	0	31,843	63,550	52,312	9,730	0	0	0	0	0	0	0	157,435
TETCO DOM	0	1,590	3,710	3,710	0	0	0	0	0	0	0	0	9,010
ANE	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
NIAGARA	24,000	31,000	31,000	28,000	31,000	30,000	12,521	5,000	0	0	0	31,000	223,521
DIST FCS VAP													
<b>Total Pipeline Supply Deliveries</b>	<b>2,905,207</b>	<b>3,887,492</b>	<b>4,166,226</b>	<b>3,699,560</b>	<b>3,407,598</b>	<b>2,898,913</b>	<b>1,916,430</b>	<b>1,462,457</b>	<b>1,388,566</b>	<b>1,393,465</b>	<b>1,387,284</b>	<b>2,043,573</b>	<b>30,556,771</b>
CITY GATE DELIVERED MDQ = 6,000 DTH													
<b>Storage Withdrawals</b>													
TENN_8995	8,400	29,494	56,116	56,031	17,960	0	0	0	0	0	0	0	168,001
TENN_501	1,517	131,936	131,936	119,168	131,936	0	0	0	0	0	0	0	516,493
GSS 600045	0	193,803	282,810	263,956	221,463	0	0	0	0	0	0	0	962,032
GSS 300171	0	38,851	64,972	49,096	15,751	0	0	0	0	0	0	0	168,670
GSS 300169	0	38,665	61,050	54,945	28,974	0	0	0	0	0	0	0	183,634
GSS 300168	0	26,277	41,490	38,724	31,266	0	0	0	0	0	0	0	137,757
GSS 300170	0	82,923	136,656	102,483	64,313	0	0	0	0	0	0	0	386,375
TETCO_400221	0	150,175	308,889	285,129	83,140	0	0	0	0	0	0	0	827,333
TETCO_400515	0	9,627	14,726	13,594	4,192	0	0	0	0	0	0	0	42,139
TETCO 400185	0	7,129	13,517	12,478	8,411	0	0	0	0	0	0	0	41,535
COL FS 38010	0	29,809	55,757	44,151	22,617	0	0	0	0	0	0	0	152,334
LNG EXETER	3,000	14,662	56,800	99,000	3,100	3,000	3,100	3,000	3,100	3,100	3,000	3,100	197,962
LNG PROV	15,000	27,993	117,000	43,787	15,500	15,000	15,500	15,000	15,500	15,500	15,000	15,500	326,280
LNG VALLEY	2,700	16,688	11,028	12,554	2,790	2,700	2,790	2,700	2,790	2,790	2,700	2,790	65,020
<b>Total Withdrawals</b>	<b>30,617</b>	<b>798,032</b>	<b>1,352,747</b>	<b>1,195,096</b>	<b>651,413</b>	<b>20,700</b>	<b>21,390</b>	<b>20,700</b>	<b>21,390</b>	<b>21,390</b>	<b>20,700</b>	<b>21,390</b>	<b>4,175,565</b>
<b>Total Supply</b>	<b>2,935,824</b>	<b>4,685,524</b>	<b>5,518,973</b>	<b>4,894,656</b>	<b>4,059,011</b>	<b>2,919,613</b>	<b>1,937,820</b>	<b>1,483,157</b>	<b>1,409,956</b>	<b>1,414,855</b>	<b>1,407,984</b>	<b>2,064,963</b>	<b>34,732,336</b>







**Dominion to Tetco FTS**

Basis												
usage on Tetco	\$0.0017	\$0.0017	\$0.0017	\$0 0017	\$0 0017	\$0.0017	\$0 0017	\$0.0017	\$0 0017	\$0 0017	\$0.0017	\$0.0017
usage on AGT	\$0.0129	\$0.0129	\$0.0129	\$0 0129	\$0 0129	\$0.0129	\$0 0129	\$0 0129	\$0 0129	\$0 0129	\$0.0129	\$0.0129
Tetco Fuel	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	1.02%	1.44%	1.44%	1.44%	1.44%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%
Total Delivered												

**DISTRIGAS FCS**

Total Delivered												

**Hubline**

Basis												
usage	\$0.0129	\$0.0129	\$0.0129	\$0 0129	\$0 0129	\$0.0129	\$0 0129	\$0.0129	\$0 0129	\$0 0129	\$0.0129	\$0.0129
fuel	1.02%	1.44%	1.44%	1.44%	1.44%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%
Total Delivered												

**Total delivered to the City Gas Supply Costs**

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
<b>Tennessee Zn 0</b>												
Delivered Mmbtu	282,960	292,392	292,392	264,096	292,392	282,960	292,392	282,960	292,392	292,392	282,960	292,392
NYMEX \$/Mmbtu Del	\$4.4823	\$5.3109	\$5.6838	\$5.7663	\$5.7276	\$5.8711	\$5.9343	\$6.0339	\$6.1581	\$6.2634	\$6.3577	\$6.4793
Total Delivered Cost	\$1,268,298	\$1,552,873	\$1,661,899	\$1,522,854	\$1,674,711	\$1,661,280	\$1,735,132	\$1,707,339	\$1,800,571	\$1,831,364	\$1,798,970	\$1,894,498
<b>TENNESSEE CONNEXION</b>												
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	4.3215	5.1501	5.5230	5.6055	5.5668	5.7103	5.7735	5.8731	5.9973	6.1026	6.1969	6.3185
Total Delivered Cost	\$1,503,865	\$1,851,986	\$1,986,073	\$1,820,663	\$2,001,829	\$1,987,176	\$2,076,138	\$2,043,823	\$2,156,619	\$2,194,490	\$2,156,515	\$2,272,135
<b>TENN ZONE 1</b>												
Delivered Mmbtu	0	441,768	445,104	409,964	315,884	0	0	0	0	0	0	0
NYMEX \$/Mmbtu Del	\$4.667	\$5.544	\$5.875	\$5.937	\$5.931	\$5.845	\$5.910	\$6.013	\$6.137	\$6.239	\$6.324	\$6.445
Total Delivered Cost	\$0	\$2,449,188	\$2,615,053	\$2,433,862	\$1,873,377	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TENN DRACUT</b>												
Delivered Mmbtu at Historical	29,700	53,188	138,354	125,891	30,690	450,000	357,877	0	0	10,424	0	465,000
NYMEX \$/Mmbtu Del	\$4.925	\$6.680	\$8.172	\$8.114	\$6.537	\$5.933	\$5.996	\$6.117	\$6.255	\$6.342	\$6.391	\$6.537
Total Delivered Cost	\$146,286	\$355,321	\$1,130,579	\$1,021,521	\$200,620	\$2,669,700	\$2,145,833	\$0	\$0	\$66,113	\$0	\$3,039,895
<b>TETCO STX</b>												
Delivered Mmbtu	274,620	283,774	283,774	256,312	283,774	274,620	283,774	274,620	283,774	283,774	274,620	283,774
NYMEX \$/Mmbtu Del	\$4.3821	\$5.2841	\$5.6643	\$5.7474	\$5.7077	\$5.7553	\$5.8176	\$5.9118	\$6.0335	\$6.1426	\$6.2505	\$6.3666
Delivered Cost	\$1,203,406	\$1,499,503	\$1,607,382	\$1,473,138	\$1,619,698	\$1,580,518	\$1,650,894	\$1,623,501	\$1,712,163	\$1,743,108	\$1,716,525	\$1,806,674
<b>TETCO WLA</b>												
Delivered Mmbtu	204,888	279,014	284,466	255,388	234,220	0	0	0	0	0	0	0
NYMEX \$/Mmbtu Del	\$4.5819	\$5.5324	\$5.8638	\$5.9252	\$5.9197	\$5.7789	\$5.8447	\$5.9477	\$6.0734	\$6.1781	\$6.2620	\$6.3859
Delivered Cost	\$938,771	\$1,543,629	\$1,668,060	\$1,513,220	\$1,386,508	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TETCO ELA</b>												
Delivered Mmbtu	36,521	71,559	74,458	63,480	42,012	0	0	0	0	0	0	0
NYMEX \$/Mmbtu Del	\$4.6774	\$5.6206	\$5.9503	\$6.0112	\$6.0060	\$5.8329	\$5.8982	\$5.9997	\$6.1244	\$6.2290	\$6.3137	\$6.4359
Delivered Cost	\$170,822	\$402,207	\$443,050	\$381,592	\$252,322	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Total delivered to the City Gas Gas Supply Costs**

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
<b>TETCO ETX</b>												
Delivered Mmbtu	296,580	306,466	306,466	276,808	306,466	296,580	306,466	296,580	306,466	306,466	296,580	306,466
NYMEX \$/Mmbtu Del	\$4.2518	\$5.1320	\$5.5024	\$5.5821	\$5.5463	\$5.5754	\$5.6362	\$5.7275	\$5.8468	\$5.9553	\$6.0660	\$6.1788
Delivered Cost	\$1,260,996	\$1,572,799	\$1,686,290	\$1,545,166	\$1,699,747	\$1,653,542	\$1,727,310	\$1,698,664	\$1,791,857	\$1,825,109	\$1,799,056	\$1,893,604
<b>TETCO - NF</b>												
Delivered Mmbtu	0	16,692	22,932	20,286	12,348	0	0	0	0	0	0	0
Delivered \$/Mmbtu	\$5.1297	\$6.0509	\$6.3834	\$6.4448	\$6.4395	\$6.3034	\$6.3697	\$6.4729	\$6.5995	\$6.7057	\$6.7917	\$6.9159
Delivered Cost	\$0	\$101,001	\$146,385	\$130,740	\$79,515	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>M3 DELIVERED</b>												
Delivered Mmbtu	0	117,409	125,513	103,225	42,973	0	0	0	0	0	0	0
Delivered \$/Mmbtu	\$4.8248	\$6.3753	\$7.7406	\$7.6256	\$6.5717	\$5.8942	\$5.9603	\$6.0829	\$6.2214	\$6.3095	\$6.3551	\$6.5069
Delivered Cost	\$0	\$748,520	\$971,543	\$787,155	\$282,408	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Transco at Wharton</b>												
Delivered Mmbtu	0	930	2,170	2,170	0	0	0	0	0	0	0	0
Delivered \$/Mmbtu	\$4.879	\$6.419	\$7.759	\$7.648	\$6.622	\$5.946	\$6.012	\$6.137	\$6.278	\$6.367	\$6.411	\$6.566
Delivered Cost	\$0	\$5,969	\$16,836	\$16,597	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>MAUMEE SUPP</b>												
Delivered Mmbtu	885,069	902,619	907,355	806,912	868,104	682,970	15,200	14,400	16,000	16,396	12,396	8,356
NYMEX \$/Mmbtu Del	\$4.558	\$5.439	\$5.731	\$5.779	\$5.786	\$5.730	\$5.796	\$5.904	\$6.030	\$6.127	\$6.196	\$6.328
Delivered Cost	\$4,034,585	\$4,909,568	\$5,200,494	\$4,663,118	\$5,022,685	\$3,913,372	\$88,101	\$85,013	\$96,485	\$100,452	\$76,803	\$52,873
<b>BROADRUN COL</b>												
Delivered Mmbtu	289,616	296,040	305,908	276,304	286,172	234,125	9,600	9,600	4,396	4,000	8,000	10,000
Daily pricing wacog	\$4.558	\$5.439	\$5.731	\$5.779	\$5.786	\$5.730	\$5.796	\$5.904	\$6.030	\$6.127	\$6.196	\$6.328
Delivered Cost	\$1,320,214	\$1,610,235	\$1,753,308	\$1,596,752	\$1,655,737	\$1,341,520	\$55,643	\$56,675	\$26,509	\$24,507	\$49,566	\$63,275
<b>COLUMBIA AGT</b>												
Delivered Mmbtu	0	52,351	111,542	84,426	7,360	0	0	0	0	0	0	0
Delivered \$/Mmbtu	\$4.951	\$6.535	\$7.930	\$7.813	\$6.736	\$6.044	\$6.111	\$6.237	\$6.378	\$6.468	\$6.515	\$6.670
Delivered Cost	\$0	\$342,137	\$884,572	\$659,615	\$49,578	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>AECO TO TENNESSEE - ANE II</b>												
Delivered Mmbtu	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000
Delivered \$/Mmbtu	\$4.166	\$4.958	\$5.511	\$5.415	\$5.070	\$4.871	\$4.800	\$5.040	\$4.849	\$5.721	\$5.620	\$5.673
Delivered Cost	\$124,988	\$153,709	\$170,836	\$151,632	\$157,185	\$146,145	\$148,810	\$151,189	\$150,327	\$177,337	\$168,597	\$175,855



Direct Energy Data Request 1-5

Request:

Does National Grid believe that marketers incur hedge costs for their own portfolios? If so, why should National Grid's transportation customers pay both National Grid's and their marketer's hedge costs?

Response:

Marketers are not paying any of National Grid's hedge costs.

Prepared by or under the supervision of: Gary Beland



Direct Energy Data Request 1-6

Request:

Does the Gas Procurement Incentive Plan (GPIP) affect the pricing of the marketers' paths?

Response:

No, GPIP does not affect the pricing of the marketer's paths.

Prepared by or under the supervision of: Gary Beland

Direct Energy Data Request 1-7

Request:

Are the hedge collateral costs included in the system average cost of \$0.9987 or in the marketer path costs?

Response:

No, there are no hedge collateral costs included in the path costs.

Prepared by or under the supervision of: Gary Beland