nationalgrid

Robert J. Humm
Senior Counsel

July 21, 2017

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4647 - Gas Cost Recovery Filing (GCR)
Monthly Filing of GCR Deferred Balances

Dear Ms. Massaro:

On behalf of National Grid,[1] enclosed please find 10 copies of the Company's monthly filing of gas costs and gas-cost revenue data.

The deferred balance report that is attached covers the 12-month period from November 1, 2016 through October 31, 2017. Based on eight months of actual data and four months of projected data, the projected deferred gas cost balance at the end of October 2017 is an under-recovery of approximately $9.7 million (see attached Schedule 1, page 1). This calculation is based on the November 1, 2016 starting under-recovery balance of $0.4 million plus the actual gas costs and gas-cost revenue for the period November 1, 2016 through June 30, 2017, and the projected gas costs and gas-cost revenue for the period July 1, 2017 through October 31, 2017. The projected gas costs are updated to reflect the NYMEX strip as of July 6, 2017.

Details of this deferred balance report are provided on the attached schedules. Schedule 1 summarizes the deferred gas cost activity by GCR category and by month. Schedule 2 provides a breakdown of actual gas costs for November 1, 2016 through June 30, 2017, and revised projected gas costs for July 1, 2017 through October 31, 2017. Schedule 3 summarizes actual and projected gas cost revenue for November 1, 2016 through October 31, 2017. Schedule 4 shows the calculation of working capital. Schedule 5 presents the calculation of inventory finance charges. Schedule 6 presents customer class specific throughput.

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

280 Melrose Street, Providence, RI 02907
T: 401-784-7415 ■ robert.humm@nationalgrid.com ■ www.nationalgrid.com

The current projected deferred balance of $9.7 million as of October 31, 2017 is an increase of $0.5 million as compared to the projected deferred balance of $9.2 million from last month's monthly deferred balance report. This increase is driven by a $0.9 million increase in actual gas cost for June 2017 offset by a $0.3 million increase in revenue,[2] and a $0.1 million decrease in projected gas costs for the period July 2017 through October 2017.

The projected October 2017 deferred balance of $9.7 million represents a difference of 8.1% of National Grid's projected 2016-17 annual GCR revenues, which exceeds the 5 percent criteria established for evaluating whether the Company's GCR factor should be revised (see National Grid's Tariff, RIPUC NG-GAS No. 101, Section 2, Schedule A, Part 1.2). As explained in the April 2017 and May 2017 GCR monthly deferred balance reports submitted on May 18, 2017 and June 20, 2017, respectively, the Company is not planning to revise its GCR factors at this time, primarily because such a change would result in significant bill increases. Instead, National Grid intends to include the projected under-recovery balance, updated for actual data as it becomes available, as part of the proposed 2017-18 GCR factors in this year's annual GCR filing, which will be submitted by September 1, 2017. [3]

This filing also includes a Motion for Protective Treatment of Confidential Information in accordance with Rule 1.2(g) of the PUC's Rules of Practice and Procedure and R.I. Gen. Laws § 38-2-2(4)(B). National Grid seeks protection from public disclosure of certain confidential gas cost pricing information, which is provided in Schedule 2 of the filing. Such confidential information was previously granted protective treatment in National Grid's 2016 GCR filing in Docket No. 4647, and is information that National Grid does not normally make public. Accordingly, National Grid has provided the PUC with one complete unredacted copy of the confidential documents in a sealed envelope marked **"Contains Privileged and Confidential Materials – Do Not Release,"** and has included redacted copies of the materials for the public filing.

---

[2] Similar to the adjustments in the May 2017 and June 2017 monthly deferred balance reports filed on May 18, 2017 and June 20, 2017, respectively, National Grid has adjusted the July 2017 and August 2017 forecasted sales in this report so that the Unaccounted For Gas percentage (UFG) for the period November 2016 through October 2017 is 4.5 percent. Without this adjustment, the UFG based on actual sales and sendout for the period November 2016 through June 2017 and forecasted sales and sendout for the period July 2017 through October 2017 would be 5.5 percent. As anticipated in the May 2017 report, June 2017 billed sales were higher than what was originally forecasted, and the annual UFG percentage below 6.0 percent. National Grid continues to anticipate that the July 2017 and August 2017 billed sales will be higher than originally forecasted.

[3] Addressing the projected deferred balance of $9.7 million in the following year's GCR factor is consistent with the approach taken in prior years, such as Docket No. 4520 in 2014 ($29 million projected deferred balance) and Docket No. 4576 in 2015 ($10.4 million projected deferred balance).

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7415.

Very truly yours,

Robert J. Humm

Enclosure

cc: Docket 4647 Service List
Leo Wold, Esq.
Steve Scialabba
Bruce Oliver

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

____
Robert J. Humm, Esq.

July 21, 2017
Date

Docket No. 4647 – National Grid – 2016 Annual Gas Cost Recovery Filing (GCR) - Service List as of 9/2/16

Name/Address	**E-mail**	**Phone**
Robert J. Humm, Esq. National Grid 280 Melrose St. Providence, RI 02907	Jennifer.hutchinson@nationalgrid.com; Celia.obrien@nationalgrid.com; Joanne.scanlon@nationalgrid.com; Robert.Humm@nationalgrid.com;	401-784-7288
Ann E. Leary Elizabeth D. Arangio Stephen A. McCauley National Grid 40 Sylvan Road Waltham, MA 02541	Ann.Leary@nationalgrid.com; Elizabeth.Arangio@nationalgrid.com; Stephen.Mccauley@nationalgrid.com; Theodore.poe@nationalgrid.com;	
Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	Lwold@riag.ri.gov; Steve.scialabba@dpuc.ri.gov; dmacrae@riag.ri.gov; Jmunoz@riag.ri.gov ;	401-222-2424
Bruce Oliver Revilo Hill Associates 7103 Laketree Drive Fairfax Station, VA 22039	Boliver.rha@verizon.net;	703-569-6480
File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov; Patricia.lucarelli@puc.ri.gov; Sharon.ColbyCamara@puc.ri.gov; Todd.bianco@puc.ri.gov;	401-780-2107
Office of Energy Resources Christopher Kearns Nicholas Ucci	Christopher.Kearns@energy.ri.gov; Nicholas.ucci@energy.ri.gov;	

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

RHODE ISLAND PUBLIC UTILITIES COMMISSION

2016 Annual Gas Cost Recovery Filing June 2017 – Monthly Filing of Deferred Balances	)	Docket No. 4647

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

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

I. BACKGROUND

On July 20, 2017, National Grid filed with the PUC its June 2017 Monthly Filing of Gas Cost Recovery (GCR) Deferred Balances. Schedule 2 of the filing includes confidential gas-cost pricing information relating to certain gas supply costs. National Grid is seeking protective treatment for such confidential gas-cost pricing information. This is the same confidential information that was previously granted protective treatment in National Grid's 2016 annual GCR filing in Docket No. 4647. Therefore, National Grid requests that the PUC grant protective treatment to the confidential information contained in Schedule 2 of this filing.

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

II. LEGAL STANDARD

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

In that regard, R.I. Gen. Laws § 38-2-2(4)(B) provides that the following types of records shall not be deemed public:

> Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that this confidential information exemption applies requires the application of a two-pronged test set forth in *Providence Journal Company v. Convention Center Authority*, 774 A.2d 40 (R.I. 2001). The 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. *See Providence Journal*, 774 A.2d 40.

The first prong of the test assesses whether the information was provided voluntarily to the governmental agency. *Providence Journal*, 774 A.2d at 47. If the answer to the first question is affirmative, then the question becomes whether the information is "of a kind that would customarily not be released to the public by the person from whom it was obtained." *Id.*

III. BASIS FOR CONFIDENTIALITY

The gas-cost pricing information included in Schedule 2 of National Grid's June 2017 monthly deferred balance report is confidential and privileged information of the type that National Grid would not ordinarily make public. Moreover, the public disclosure of such information could impair National Grid's ability to obtain advantageous pricing in the future, thereby causing substantial competitive harm. Indeed, such confidential information was previously granted protective treatment from public disclosure in Docket No. 4647. Accordingly, National Grid seeks protection for such confidential information as part of this filing.

IV. CONCLUSION

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

Respectfully submitted,

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID
By its attorney,

Robert J. Humm, Esq. (#7920)
National Grid
280 Melrose Street
Providence, RI 02907
(401) 784-7415
Dated: July 21, 2017

REDACTED

Deferred Gas Cost Balances

Line No.	Description	Reference	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	
1	# of Days in Month		30	31	31	28	31	30	31	30	31	31	30	31	**365**
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
2	I. Fixed Cost Deferred														
3	Beginning Under/(Over) Recovery		($8,917,829)	($8,528,360)	($8,267,752)	($10,429,146)	($12,450,052)	($11,826,387)	($13,164,136)	($12,103,896)	($10,803,985)	($8,555,874)	($6,167,936)	($3,759,816)	($8,917,829)
4	Supply Fixed Costs (net of cap rel)	Sch. 2, line 30	$3,643,234	$3,860,783	$4,169,536	$4,258,775	$4,080,805	$4,016,513	$4,152,016	$3,809,981	$4,295,103	$4,295,103	$4,294,429	$4,295,103	$49,171,383
5	LNG Demand to DAC	Dkt 4339	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
6	Supply Related LNG O & M	Dkt 4323	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$575,581
7	NGPMP Credits		($1,141,667)	($8,218)	($1,141,667)	($1,141,667)	$1,297,811	($1,171,974)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($10,157,382)
8	Working Capital	Sch. 4, line 15	$20,283	$21,537	$23,316	$23,830	$22,805	$22,434	$23,215	$21,244	$24,040	$24,040	$24,036	$24,040	$274,819
9	Total Supply Fixed Costs	sum[(4):(8)]	$2,445,750	$3,798,001	$2,975,085	$3,064,838	$5,325,320	$2,790,872	$2,957,464	$2,613,458	$3,101,376	$3,101,376	$3,100,698	$3,101,376	$38,375,612
10	Supply Fixed - Revenue	Sch. 3, line 13	$2,008,144	$3,525,810	$5,122,594	$5,070,397	$4,682,340	$4,108,098	$1,875,782	$1,293,559	$834,784	$699,383	$683,406	$1,214,275	$31,118,573
11	Monthly Under/(Over) Recovery	(9) - (10)	$437,605	$272,191	($2,147,509)	($2,005,560)	$642,980	($1,317,226)	$1,081,682	$1,319,899	$2,266,592	$2,401,993	$2,417,292	$1,887,101	$7,257,038
12	Prelim. Ending Under/(Over) Recovery	(3) + (11)	($8,480,224)	($8,256,170)	($10,415,261)	($12,434,705)	($11,807,072)	($13,143,612)	($12,082,454)	($10,783,997)	($8,537,393)	($6,153,881)	($3,750,645)	($1,872,715)	($1,660,791)
13	Month's Average Balance	[(3) + (12)] / 2	($8,699,027)	($8,392,265)	($9,341,507)	($11,431,925)	($12,128,562)	($12,485,000)	($12,623,295)	($11,443,947)	($9,670,689)	($7,354,877)	($4,959,290)	($2,816,266)	
14	Interest Rate (BOA Prime minus 200 bps)		1.50%	1.63%	1.75%	1.75%	1.88%	2.00%	2.00%	2.13%	2.25%	2.25%	2.25%	2.25%	
15	Interest Applied	[(13) * (14)] / 365 * (1)	($10,725)	($11,582)	($13,884)	($15,347)	($19,314)	($20,523)	($21,442)	($19,988)	($18,480)	($14,055)	($9,171)	($5,382)	($179,894)
16	Marketer Reconcilation	Dkt 4647	($37,411)												($37,411)
17	Fixed Ending Under/(Over) Recovery	(12) + (15) + (16)	($8,528,360)	($8,267,752)	($10,429,146)	($12,450,052)	($11,826,387)	($13,164,136)	($12,103,896)	($10,803,985)	($8,555,874)	($6,167,936)	($3,759,816)	($1,878,097)	($1,878,097)
18	II. Variable Cost Deferred														
19	Beginning Under/(Over) Recovery		$9,293,216	$10,097,501	$16,318,521	$18,038,689	$16,722,311	$19,524,584	$13,611,687	$12,383,066	$12,501,947	$11,921,196	$11,643,933	$11,472,135	$9,293,216
20															
21	Variable Supply Costs	Sch. 2, line 76	$6,640,193	$16,506,195	$16,528,212	$13,317,911	$16,213,679	$5,609,288	$3,862,631	$3,439,237	$1,385,802	$1,263,054	$1,299,651	$3,164,770	$89,230,623
22	Supply Related LNG to DAC	Dkt 4339	$0	($165,005)	($1,334)	($1,334)	($243,849)	$0	$0	$0	$0	$0	$0	$0	($411,522)
23	Supply Related LNG O & M	Dkt 4323	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$47,725	$572,694
24	Inventory Financing - LNG	Sch. 5, line 22	$27,598	$24,431	$21,983	$20,642	$16,793	$17,368	$18,893	$22,903	$25,250	$26,170	$31,594	$32,502	$286,127
25	Inventory Financing - UG	Sch. 5, line 12	$88,475	$75,678	$68,419	$51,816	$37,107	$41,623	$50,698	$60,880	$54,428	$63,650	$74,481	$83,947	$751,201
26	Working Capital	Sch. 4, line 30	$38,271	$94,182	$95,253	$76,750	$92,042	$32,329	$22,262	$19,822	$7,987	$7,280	$7,491	$18,240	$511,909
27	Total Supply Variable Costs	sum[(21):(26)]	$6,842,261	$16,583,205	$16,760,256	$13,513,509	$16,163,497	$5,748,333	$4,002,209	$3,590,567	$1,521,191	$1,407,878	$1,460,941	$3,347,183	$90,941,032
28	Supply Variable - Revenue	Sch. 3, line 30	$6,217,781	$10,380,401	$15,065,602	$14,853,204	$13,390,062	$11,688,443	$5,252,890	$3,493,398	$2,125,256	$1,707,635	$1,654,094	$3,277,914	$89,106,682
29	Monthly Under/(Over) Recovery	(27) - (28)	$624,480	$6,202,804	$1,694,654	($1,339,695)	$2,773,435	($5,940,110)	($1,250,681)	$97,169	($604,065)	($299,757)	($193,153)	$69,269	$1,834,350
30	Prelim. Ending Under/(Over) Recovery	(21) + (31)	$9,917,696	$16,300,305	$18,013,175	$16,698,994	$19,495,746	$13,584,474	$12,361,007	$12,480,234	$11,897,882	$11,621,439	$11,450,780	$11,541,404	$11,127,567
31	Month's Average Balance	[(19) + (30)] / 2	$9,605,456	$13,198,903	$17,165,848	$17,368,841	$18,109,028	$16,554,529	$12,986,347	$12,431,650	$12,199,914	$11,771,317	$11,547,357	$11,506,770	
32	Interest Rate (BOA Prime minus 200 bps)		1.50%	1.63%	1.75%	1.75%	1.88%	2.00%	2.00%	2.13%	2.25%	2.25%	2.25%	2.25%	
33	Interest Applied	[(31) * (32)] / 365 * (1)	$11,842	$18,216	$25,514	$23,317	$28,838	$27,213	$22,059	$21,713	$23,314	$22,495	$21,355	$21,989	$267,864
34	Gas Procurement Incentive/(penalty)		$167,963	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$167,963
35	Variable Ending Under/(Over) Recovery	(30) + (33) + (34)	$10,097,501	$16,318,521	$18,038,689	$16,722,311	$19,524,584	$13,611,687	$12,383,066	$12,501,947	$11,921,196	$11,643,933	$11,472,135	$11,563,393	$11,563,393
36	**GCR Deferred Summary**														
37	Beginning Under/(Over) Recovery	(3) + (19)	$375,387	$1,569,141	$8,050,769	$7,609,543	$4,272,259	$7,698,197	$447,551	$279,169	$1,697,962	$3,365,322	$5,475,997	$7,712,319	$375,387
38	Gas Costs	sum[(4):(6),(16),(20):(23)]	$10,217,640	$20,173,596	$20,668,038	$17,546,975	$20,022,259	$9,597,425	$7,986,271	$7,220,842	$5,652,529	$5,529,781	$5,565,705	$7,431,497	$137,612,559
39	Inventory Finance	(24) + (25)	$116,073	$100,108	$90,401	$72,458	$53,900	$58,991	$69,592	$83,783	$79,677	$89,820	$106,075	$116,449	$1,037,327
40	Working Capital	(8) + (26)	$58,553	$115,719	$118,569	$100,581	$114,847	$54,763	$45,477	$41,066	$32,027	$31,319	$31,526	$42,280	$786,728
41	NGPMP Credits	(7)	($1,141,667)	($8,218)	($1,141,667)	($1,141,667)	$1,297,811	($1,171,974)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($1,141,667)	($10,157,382)
42	Total Costs	sum[(38):(41)]	$9,250,599	$20,381,206	$19,735,341	$16,578,347	$21,488,817	$8,539,205	$6,959,673	$6,204,024	$4,622,567	$4,509,254	$4,561,639	$6,448,559	$129,279,233
43	Revenue	(10) + (28)	$8,225,926	$13,906,212	$20,188,196	$19,923,602	$18,072,402	$15,796,541	$7,128,672	$4,786,957	$2,960,040	$2,407,018	$2,337,500	$4,492,189	$120,225,255
44	Monthly Under/(Over) Recovery	(42) - (43)	$1,024,674	$6,474,995	($452,855)	($3,345,255)	$3,416,415	($7,257,335)	($168,999)	$1,417,067	$1,662,527	$2,102,236	$2,224,139	$1,956,370	$9,053,977
45	Prelim. Ending Under/(Over) Recovery	(37) + (44)	$1,400,061	$8,044,136	$7,597,914	$4,264,289	$7,688,674	$440,862	$278,553	$1,696,237	$3,360,489	$5,467,557	$7,700,136	$9,668,689	
46	Month's Average Balance	[(37) + (45)] / 2	$887,724	$4,806,638	$7,824,342	$5,936,916	$5,980,466	$4,069,529	$363,052	$987,703	$2,529,225	$4,416,440	$6,588,066	$8,690,504	
47	Interest Rate (BOA Prime minus 200 bps)		1.50%	1.63%	1.75%	1.75%	1.88%	2.00%	2.00%	2.13%	2.25%	2.25%	2.25%	2.25%	
48	Interest Applied	(15) + (33)	$1,118	$6,634	$11,629	$7,970	$9,524	$6,690	$617	$1,725	$4,833	$8,440	$12,183	$16,607	$87,969
49	Gas Purchase Plan Incentives/(Penalties)	(34)	$167,963	$0	**$0**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$167,963
50															
51	**Ending Under/(Over) Recovery W/ Interest**	(45) + (48) + (49)	**$1,569,141**	**$8,050,769**	**$7,609,543**	**$4,272,259**	**$7,698,197**	**$447,551**	**$279,169**	**$1,697,962**	**$3,365,322**	**$5,475,997**	**$7,712,319**	**$9,685,296**	$9,685,296

REDACTED

Supply Estimates Actuals for Filing

Projected Gas Costs using 7/06/2017 NYMEX settled

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
1	**SUPPLY FIXED COSTS - Pipeline Delivery**														
2	Algonquin (includes East to West, Hubline, AMA credits)		$866,814	$1,181,848	$1,494,194	$1,531,807	$1,469,882	$1,470,411	$1,470,138	$1,424,299	$1,453,423	$1,453,423	$1,453,423	$1,453,423	$16,723,086
3	TETCO/Texas Eastern		$724,537	$728,107	$728,107	$729,926	$729,926	$699,047	$727,131	$705,466	$726,226	$726,226	$726,226	$726,226	$8,677,149
4	Tennessee		$1,093,209	$1,093,190	$1,093,228	$1,093,228	$1,093,228	$1,093,228	$1,093,228	$1,093,228	$1,093,117	$1,093,117	$1,093,117	$1,093,117	$13,118,237
5	NETNE		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Iroquois		$6,267	$6,277	$6,267	$6,267	$6,267	$6,267	$6,263	$6,273	$6,676	$6,676	$6,676	$6,676	$76,853
7	Union		$0	$0	$0	$0	$0	$0	$0	$0	$2,440	$2,440	$2,362	$2,440	$9,683
8	Transcanada		$0	$0	$0	$0	$0	$0	$0	$0	$13,435	$13,435	$13,002	$13,435	$53,307
9	Dominion		$2,235	$2,317	$2,276	$2,276	$2,276	($28,498)	($28,498)	($28,498)	$2,235	$2,235	$2,235	$2,235	($65,173)
10	Transco		$4,859	$5,021	$5,021	$4,535	$5,020	$4,858	$5,011	$4,873	$5,021	$5,021	$4,859	$5,021	$59,118
11	National Fuel		$4,574	$4,387	$4,480	$4,480	$4,480	$4,480	$4,480	$4,480	$4,574	$4,574	$4,574	$4,574	$54,139
12	Columbia		$293,747	$293,746	$288,311	$291,046	$319,503	$296,905	$296,121	$259,811	$293,746	$293,746	$293,746	$293,746	$3,514,176
13	Alberta Northeast		$58	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$58
14	Less Credits from Mkter Releases		($643,994)	($665,274)	($663,322)	($622,002)	($664,983)	($804,921)	($964,934)	($934,595)	($705,450)	($705,450)	($705,450)	($705,450)	($8,785,824)
			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	**Supply Fixed - Supplier**														
16	Distrigas FCS		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
17			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
18	**STORAGE FIXED COSTS - Facilities**														
19	Texas Eastern		$85,718	$85,828	$85,804	$85,886	$75,826	$85,953	$85,958	$85,957	$95,385	$95,385	$95,385	$95,385	$1,058,469
20	Dominion		$82,949	$83,284	$83,117	$83,117	$83,117	$83,117	$83,117	$83,117	$82,949	$82,949	$82,949	$82,949	$996,731
21	Tennessee		$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$48,337	$580,041
22	Columbia		$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$9,694	$116,328
23	**STORAGE FIXED COSTS - Delivery**														
24	Algonquin		$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$215,436	$2,585,230
25	TETCO		$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$87,625	$1,051,503
26	Tennessee		$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$88,273	$1,059,280
27	Dominion		$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$30,736	$368,828
28	Columbia		$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$15,321	$183,851
29	**Confidential Pipelinne and Peaking Supplies**		$626,839	$546,630	$546,630	$552,786	$460,840	$610,244	$878,579	$610,150	$725,904	$725,904	$725,904	$725,904	$7,736,313
30	**TOTAL FIXED COSTS**	sum[(2):(29)]	$3,643,234	$3,860,783	$4,169,536	$4,258,775	$4,080,805	$4,016,513	$4,152,016	$3,809,981	$4,295,103	$4,295,103	$4,294,429	$4,295,103	$49,171,383

REDACTED

Supply Estimates Actuals for Filing

Projected Gas Costs using 7/06/2017 NYMEX settled

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
31	**VARIABLE SUPPLY COSTS (Includes Injections)**														
32	Tennessee (Includes ANE and Niagara)										$827,156	$919,240	$1,115,433	$1,370,821	$4,232,650
33	TETCO (Includes B&W)										$0	$0	$0	$0	$0
34	M3 Delivered										$0	$0	$44,217	$390,038	$434,254
35	Maumee										$0	$0	$0	$0	$0
36	Broadrun Col										$0	$0	$0	$0	$0
37	Columbia Eagle and Downingtown										$40,861	$87,321	$58,264	$33,067	$219,513
38	TETCO M2										$1,028,808	$1,053,624	$742,225	$1,796,414	$4,621,071
39	Dominion to TETCO FTS										$0	$0	$0	$0	$0
40	Transco Leidy										$4,491	$4,754	$4,754	$70,898	$84,898
41	DistriGas FCS										$0	$0	$517,186	$515,453	$1,032,638
42	Hubline										$0	$0	$0	$0	$0
43	Total Pipeline Commodity Charges*	sum[(32):(42)]	$3,584,595	$12,874,611	$14,824,070	$10,345,460	$11,425,889	$4,959,655	$3,426,776	$2,978,401	$1,901,316	$2,064,939	$2,482,078	$4,176,690	$75,044,480
44	Hedging Settlements and Amortization		$1,401,803	$799,897	($1,704,181)	$143,044	$1,518,471	($226,730)	($249,285)	($230,885)	$231,278	$150,179	$72,729	$102,642	$2,008,963
45	Hedging Contracts - Commission & Other Fees		$161,244	$703,912	$863,419	$767,448	$703,178	$38,086	$65,969	$89,934	$0	$0	$0	$0	$3,393,191
46	Hedging Contracts - Net Carry of Collateral		$5,873	$1,126	$1,212	$2,298	$1,410	$136	$41	$726	$0	$0	$0	$0	$12,823
47	Refunds		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
48	Less: Costs of Injections		$0	$0	$0	$0	$0	$0	$0	$0	($826,203)	($1,032,725)	($1,334,530)	($1,195,912)	($4,389,370)
49	**TOTAL VARIABLE SUPPLY COSTS**	sum[(43):(48)]	$5,153,515	$14,379,547	$13,984,520	$11,258,251	$13,648,948	$4,771,146	$3,243,501	$2,838,176	$1,306,391	$1,182,394	$1,220,278	$3,083,420	$76,070,087
50	Underground Storage		$771,467	$1,189,881	$1,482,766	$1,557,396	$1,560,812	$366,734	$104,774	$65,745	$0	$0	$0	$0	$7,099,573
51	LNG Withdrawals and Trucking		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
52	Storage Delivery Costs		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
53	**TOTAL VARIABLE STORAGE COSTS**	sum[(50):(52)]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
54	**TOTAL VARIABLE COSTS**	(49) + (53)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
55	**TOTAL SUPPLY COSTS**	(30) + (54)	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	$134,269,454

REDACTED

Supply Estimates Actuals for Filing

Projected Gas Costs using 7/06/2017 NYMEX settled

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
56	**Storage Costs for FT-2 Calculation**														
57	**Storage Fixed Costs - Facilities**		$390,438	$390,882	$390,692	$390,774	$380,714	$390,841	$390,845	$390,844	$400,105	$400,105	$400,105	$400,105	$4,716,449
58	**Storage Fixed Costs - Deliveries**		$1,246,357	$849,883	$849,883	$849,883	$721,716	$1,346,802	$1,346,678	$1,346,802	$949,927	$949,927	$949,927	$949,927	$12,357,709
59	**sub-total Storage Costs**	sum[(56):(57)]	$1,636,795	$1,240,765	$1,240,574	$1,240,657	$1,102,430	$1,737,642	$1,737,523	$1,737,646	$1,350,032	$1,350,032	$1,350,032	$1,350,032	$17,074,158
60	**LNG Demand to DAC**		($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
61	**Inventory Financing**		$116,073	$100,108	$90,401	$72,458	$53,900	$58,991	$69,592	$83,783	$79,677	$89,820	$106,075	$116,449	$1,037,327
62	**Supply related LNG O&M Costs**		$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$47,965	$575,581
63	**Working Capital Requirement**		$20,283	$21,537	$23,316	$23,830	$22,805	$22,434	$23,215	$21,244	$24,040	$24,040	$24,036	$24,040	$274,819
64	**Total FT-2 Storage Fixed Costs**	sum[(59):(63)]	$1,697,050	$1,286,309	$1,278,191	$1,260,844	$1,103,034	$1,742,967	$1,754,229	$1,766,572	$1,377,648	$1,387,790	$1,404,041	$1,414,419	$17,473,096
65	**System Storage MDQ (Dth)**		183,069	191,153	198,008	196,094	198,576	197,169	195,265	195,725	149,325	149,325	149,325	149,325	2,152,358
66	**FT-2 Storage Cost per MDQ (Dth)**	(64) / (65)	$9.2700	$6.7292	$6.4552	$6.4298	$5.5547	$8.8399	$8.9838	$9.0258	$9.2258	$9.2938	$9.4026	$9.4721	$8.1181
67	Pipeline Variable	(54)	$6,000,730	$15,952,889	$15,778,221	$12,978,509	$15,698,927	$5,198,987	$3,413,781	$2,962,749	$1,385,802	$1,263,054	$1,299,651	$3,164,770	$85,098,071
68	Less Non-firm Gas Costs		($65,801)	($143,846)	($342,994)	($216,056)	($21,936)	($78,559)	($94,417)	($58,839)	$0	$0	$0	$0	($1,022,448)
69	Less Company Use		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
70	Less Manchester St Balancing		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
71	Plus Cashout		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
72	Less Mkter W/drawals/Injections		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
73	Mkter Over-takes/Undertakes		$197,046	$171,885	$569,958	$113,194	$37,261	($105,508)	$15,217	$43,725	$0	$0	$0	$0	$1,042,779
74	Plus Pipeline Srchg/Credit		$504,150	$506,090	$523,851	$523,610	$473,159	$523,707	$508,042	$524,982	$0	$0	$0	$0	$4,087,592
75	Less Mkter FT-2 Daily weather true-up		$4,068	$19,177	($824)	($81,347)	$26,267	$70,662	$20,006	($33,380)	$0	$0	$0	$0	$24,630
76	**TOTAL FIRM COMMODITY COSTS***	sum[(67):(75)]	$6,640,193	$16,506,195	$16,528,212	$13,317,911	$16,213,679	$5,609,288	$3,862,631	$3,439,237	$1,385,802	$1,263,054	$1,299,651	$3,164,770	$89,230,623

REDACTED

GCR Revenue

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
1	**I. Fixed Cost Revenue --**														
2	(a) Low Load dth	Sch. 6, line 24-28, 30	1,568,307	2,901,568	4,237,034	4,126,253	3,771,580	3,287,888	1,422,256	953,931	546,983	434,438	425,917	882,322	24,558,477
3	Fixed Cost Factor	(4) / (2)	$1.1469	$1.1423	$1.1414	$1.1418	$1.1415	$1.1417	$1.1421	$1.1437	$1.1412	$1.1412	$1.1412	$1.1412	
4	Low Load Revenue		$1,798,769	$3,314,554	$4,835,965	$4,711,484	$4,305,354	$3,753,787	$1,624,314	$1,091,018	$624,217	$495,781	$486,057	$1,006,906	$28,048,206
5	(b) High Load dth	Sch. 6, line 22, 23, 29, 31	56,445	67,133	76,865	83,534	77,012	71,988	58,887	53,379	64,812	57,137	50,245	61,288	778,726
6	Fixed Cost Factor	(7) / (5)	$0.8998	$0.9090	$0.8907	$0.9190	$0.9077	$0.9078	$0.9080	$0.9077	0.9074	0.9074	0.9074	0.9074	
7	High Load Revenue		$50,787	$61,025	$68,460	$76,771	$69,906	$65,352	$53,470	$48,450	$58,811	$51,846	$45,593	$55,613	$706,083
8	sub-total throughput Dth	(2) + (5)	1,624,752	2,968,700	4,313,898	4,209,787	3,848,592	3,359,876	1,481,143	1,007,310	611,796	491,575	476,163	943,610	25,337,203
9	FT-2 Storage Revenue from marketers		$157,426	$149,264	$217,213	$281,274	$306,234	$287,545	$196,663	$152,617	$151,756	$151,756	$151,756	$151,756	$2,355,260
10	Manchester Steet Volumes (dth)	Monthly Meter Use	986	822	812	737	718	1,200	1,132	1,250	0	0	0	0	
11	Fixed cost factor (dth)	Inherent in approved GCR	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	$1.1787	
12	Manchester Street Revenue	(10) * (11)	$1,163	$968	$957	$869	$846	$1,414	$1,335	$1,473	$0	$0	$0	$0	$9,024
13	**TOTAL Fixed Revenue**	(4) + (7) + (9) + (12)	**$2,008,144**	**$3,525,810**	**$5,122,594**	**$5,070,397**	**$4,682,340**	**$4,108,098**	**$1,875,782**	**$1,293,559**	**$834,784**	**$699,383**	**$683,406**	**$1,214,275**	**$31,118,573**
14	**II. Variable Cost Revenue --**														
15	(a) Firm Sales dth	(8)	1,624,752	2,968,700	4,313,898	4,209,787	3,848,592	3,359,876	1,481,143	1,007,310	611,796	491,575	476,163	943,610	25,337,203
16	Variable Supply Cost Factor	(17) / (15)	$3.8616	$3.4773	$3.4727	$3.4766	$3.4748	$3.4752	$3.4760	$3.4811	$3.4738	$3.4738	$3.4738	$3.4738	
17	Variable Supply Revenue		$6,274,073	$10,323,084	$14,980,899	$14,635,608	$13,373,070	$11,676,208	$5,148,411	$3,506,520	$2,125,256	$1,707,635	$1,654,094	$3,277,914	$88,682,773
18	(b) TSS Sales dth	Sch. 6, line 20	3,116	6,555	4,658	14,712	17,411	19,307	7,830	68					73,657
19	TSS Surcharge Factor	Company's website	$0.0000	$0.0000	$0.3880	$0.0000	$0.0000	$0.0240	$0.0870	$0.1210	$0.0000	$0.0000	$0.0000	$0.0000	
20	TSS Surcharge Revenue	(18) * (19)	$0	$0	$1,807	$0	$0	$463	$681	$8					$2,960
21	(c) Default Sales dth	Sch. 6, line 60	1,315	5,384	7,861	7,933	6,877	8,043	8,305	4,092	-	-	-	-	49,810
22	Variable Supply Cost Factor	(23) / (21)	$5.35	$9.23	$9.50	$26.96	$1.09	$0.57	$9.58	($5.03)	$0.00	$0.00	$0.00	$0.00	
23	Variable Supply Revenue		$7,042	$49,685	$74,646	$213,868	$7,515	$4,571	$79,559	($20,577)	$0	$0	$0	$0	$416,309
24	(d) Peaking Gas Revenue		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
25	(e) Deferred Responsibility		($66,873)	$4,684	$5,339	$1,084	$6,902	$2,895	$20,176	$2,962	$0	$0	$0	$0	($22,831)
26	(e) FT-1 Storage and Peaking														
27	Manchester Steet Volumes (dth)	Monthly Meter Use	986	822	812	737	718	1,200	1,132	1,250	0	0	0	0	
28	Variable Supply Cost Factor (dth)	Inherent in approved GCR	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	$3.5879	
29	Manchester Street Revenue	(27) * (28)	$3,539	$2,948	$2,912	$2,644	$2,575	$4,305	$4,063	$4,485	$0	$0	$0	$0	$27,470
30	**TOTAL Variable Revenue**	(17)+(20)+(23)+(24)+(25)+(26)+(29)	**$6,217,781**	**$10,380,401**	**$15,065,602**	**$14,853,204**	**$13,390,062**	**$11,688,443**	**$5,252,890**	**$3,493,398**	**$2,125,256**	**$1,707,635**	**$1,654,094**	**$3,277,914**	**$89,106,682**
31	**Total Gas Cost Revenue (w/o FT-2)**	(13) + (30)	**$8,225,926**	**$13,906,212**	**$20,188,196**	**$19,923,602**	**$18,072,402**	**$15,796,541**	**$7,128,672**	**$4,786,957**	**$2,960,040**	**$2,407,018**	**$2,337,500**	**$4,492,189**	**$120,225,255**

Lines 12 and 29: Pursuant to the Division of Public Utilities and Carriers' approval in Docket No. D-15-04 of the Company's transportation contract for gas delivered to Manchester St. Station, beginning in July 2015, the Company is crediting imputed revenue to offset the gas costs associated with heater gas used at Manchester St. Station

REDACTED

WORKING CAPITAL

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
1	**Supply Fixed Costs**	Sch. 1, line 4	$3,643,234	$3,860,783	$4,169,536	$4,258,775	$4,080,805	$4,016,513	$4,152,016	$3,809,981	$4,295,103	$4,295,103	$4,294,429	$4,295,103	$49,171,383
2	Less: LNG Demand to DAC	Sch. 1, line 5	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
3	Plus: Supply Related LNG O&M Costs	Dkt 4323	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Total Adjustments	(2) + (3)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($124,066)	($1,488,790)
5	Allowable Working Capital Costs	(1) + (4)	$3,519,169	$3,736,717	$4,045,470	$4,134,709	$3,956,740	$3,892,447	$4,027,950	$3,685,915	$4,171,038	$4,171,038	$4,170,364	$4,171,038	$47,682,593
6	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
7	Working Capital Requirement	[(5) * (6)] / 365	$207,390	$220,210	$238,406	$243,665	$233,177	$229,388	$237,373	$217,217	$245,806	$245,806	$245,766	$245,806	
8	Cost of Capital	Dkt 4339	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
9	Return on Working Capital Requirement	(7) * (8)	$15,057	$15,987	$17,308	$17,690	$16,929	$16,654	$17,233	$15,770	$17,845	$17,845	$17,843	$17,845	
10	Weighted Cost of Debt	Dkt 4339	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
11	Interest Expense	(7) * (10)	$5,351	$5,681	$6,151	$6,287	$6,016	$5,918	$6,124	$5,604	$6,342	$6,342	$6,341	$6,342	
12	Taxable Income	(9) - (11)	$9,706	$10,306	$11,157	$11,404	$10,913	$10,735	$11,109	$10,166	$11,504	$11,504	$11,502	$11,504	
13	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
14	Return and Tax Requirement	(12) / (13)	$14,932	$15,855	$17,165	$17,544	$16,789	$16,516	$17,091	$15,640	$17,698	$17,698	$17,695	$17,698	
15	**Supply Fixed Working Capital Requirement**	(11) + (14)	$20,283	$21,537	$23,316	$23,830	$22,805	$22,434	$23,215	$21,244	$24,040	$24,040	$24,036	$24,040	$274,819
16	**Supply Variable Costs**	Sch. 1, line 21	$6,640,193	$16,506,195	$16,528,212	$13,317,911	$16,213,679	$5,609,288	$3,862,631	$3,439,237	$1,385,802	$1,263,054	$1,299,651	$3,164,770	$89,230,623
17	Less: Balancing Related LNG Commodity (to DAC)	Sch. 1, line 22	$0	($165,005)	($1,334)	($1,334)	($243,849)	$0	$0	$0	$0	$0	$0	$0	($411,522)
18	Plus: Supply Related LNG O&M Costs	Dkt 4323	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
19	Total Adjustments	(17) + (18)	$0	($165,005)	($1,334)	($1,334)	($243,849)	$0	$0	$0	$0	$0	$0	$0	($411,522)
20	Allowable Working Capital Costs	(16) + (19)	$6,640,193	$16,341,190	$16,526,878	$13,316,577	$15,969,830	$5,609,288	$3,862,631	$3,439,237	$1,385,802	$1,263,054	$1,299,651	$3,164,770	$88,819,101
21	Number of Days Lag	Dkt 4323	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	
22	Working Capital Requirement	[(20) * (21)] / 365	$391,317	$963,011	$973,954	$784,766	$941,126	$330,564	$227,631	$202,679	$81,667	$74,434	$76,590	$186,505	
23	Cost of Capital	Dkt 4339	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
24	Return on Working Capital Requirement	(22) * (23)	$28,410	$69,915	$70,709	$56,974	$68,326	$23,999	$16,526	$14,715	$5,929	$5,404	$5,560	$13,540	
25	Weighted Cost of Debt	Dkt 4339	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
26	Interest Expense	(22) * (25)	$10,096	$24,846	$25,128	$20,247	$24,281	$8,529	$5,873	$5,229	$2,107	$1,920	$1,976	$4,812	
27	Taxable Income	(24) - (26)	$18,314	$45,069	$45,581	$36,727	$44,045	$15,470	$10,653	$9,485	$3,822	$3,483	$3,584	$8,728	
28	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
29	Return and Tax Requirement	(27) / (28)	$28,175	$69,337	$70,125	$56,503	$67,761	$23,801	$16,389	$14,593	$5,880	$5,359	$5,515	$13,428	
30	**Supply Variable Working Capital Requirement**	(26) + (29)	$38,271	$94,182	$95,253	$76,750	$92,042	$32,329	$22,262	$19,822	$7,987	$7,280	$7,491	$18,240	$511,909

INVENTORY FINANCE

Line No.	Description	Reference	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
1	**Storage Inventory Balance**		$7,822,815	$6,955,021	$6,926,335	$5,655,452	$4,553,020	$5,144,493	$6,323,169	$7,661,446	$6,678,263	$7,809,786	$9,138,715	$10,300,233	
2	Monthly Storage Deferral/Amortization		$3,032,959	$2,330,590	$1,468,592	$702,371	$1	($37,322)	($102,505)	($191,557)	$0	$0	$0	$0	
3	**Subtotal**	(1) + (2)	**$10,855,774**	**$9,285,611**	**$8,394,927**	**$6,357,824**	**$4,553,021**	**$5,107,172**	**$6,220,665**	**$7,469,889**	**$6,678,263**	**$7,809,786**	**$9,138,715**	**$10,300,233**	
4	Cost of Capital	Dkt 4323	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
5	Return on Working Capital Requirement	(3) * (4)	$788,129	$674,135	$609,472	$461,578	$330,549	$370,781	$451,620	$542,314	$484,842	$566,990	$663,471	$747,797	$6,691,678
6	Weighted Cost of Debt	Dkt 4323	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
7	Interest Charges Financed	(3) * (6)	$280,079	$239,569	$216,589	$164,032	$117,468	$131,765	$160,493	$192,723	$172,299	$201,492	$235,779	$265,746	$2,378,034
8	Taxable Income	(5) - (7)	$508,050	$434,567	$392,883	$297,546	$213,081	$239,016	$291,127	$349,591	$312,543	$365,498	$427,692	$482,051	
9	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
10	Return and Tax Requirement	(8) / (9)	$781,616	$668,564	$604,435	$457,763	$327,818	$367,716	$447,888	$537,832	$480,835	$562,305	$657,987	$741,617	$6,636,375
11	Working Capital Requirement	(7) + (10)	$1,061,695	$908,133	$821,024	$621,795	$445,285	$499,481	$608,381	$730,555	$653,134	$763,797	$893,766	$1,007,363	$9,014,410
12	Monthly Average	(11) / 12	$88,475	$75,678	$68,419	$51,816	$37,107	$41,623	$50,698	$60,880	$54,428	$63,650	$74,481	$83,947	$751,201
13	**LNG Inventory Balance**		$3,386,262	$2,997,625	$2,697,248	$2,532,709	$2,060,523	$2,131,044	$2,318,192	$2,810,245	$3,098,114	$3,211,057	$3,876,581	$3,987,966	
14	Cost of Capital	Dkt 4323	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	
15	Return on Working Capital Requirement	(13) * (14)	$245,843	$217,628	$195,820	$183,875	$149,594	$154,714	$168,301	$204,024	$224,923	$233,123	$281,440	$289,526	$2,548,809
16	Weighted Cost of Debt	Dkt 4323	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	
17	Interest Charges Financed	(13) * (16)	$87,366	$77,339	$69,589	$65,344	$53,161	$54,981	$59,809	$72,504	$79,931	$82,845	$100,016	$102,890	$905,775
18	Taxable Income	(15) - (17)	$158,477	$140,289	$126,231	$118,531	$96,432	$99,733	$108,491	$131,519	$144,992	$150,277	$181,424	$186,637	
19	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
20	Return and Tax Requirement	(18) / (19)	$243,811	$215,829	$194,202	$182,355	$148,358	$153,435	$166,910	$202,338	$223,064	$231,196	$279,114	$287,134	$2,527,745
21	Working Capital Requirement	(17) + (20)	$331,176	$293,168	$263,791	$247,699	$201,519	$208,416	$226,719	$274,842	$302,996	$314,041	$379,130	$390,023	$3,433,520
22	Monthly Average	(21) / 12	$27,598	$24,431	$21,983	$20,642	$16,793	$17,368	$18,893	$22,903	$25,250	$26,170	$31,594	$32,502	$286,127
23	TOTAL GCR Inventory Financing Costs	(12) + (22)	**$116,073**	**$100,108**	**$90,401**	**$72,458**	**$53,900**	**$58,991**	**$69,592**	**$83,783**	**$79,677**	**$89,820**	**$106,075**	**$116,449**	**$1,037,327**

REDACTED

Actual Dth Usage for Filing

THROUGHPUT (Dth)

Line No.	Rate Class	Nov Actual (a)	Dec Actual (b)	Jan Actual (c)	Feb Actual (d)	Mar Actual (e)	Apr Actual (f)	May Actual (g)	Jun Actual (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	Nov-Oct (m)
1	**SALES**													
2	Residential Non-Heating	27,860	38,287	50,638	50,625	47,073	44,256	29,336	24,258	33,084	28,507	25,656	35,674	**435,255**
3	Residential Non-Heating Low Income	708	1,220	1,697	1,646	1,406	1,429	1,005	683	0	0	0	0	**9,794**
4	Residential Heating	1,105,743	2,028,011	2,935,054	2,884,975	2,623,389	2,276,588	986,291	656,511	430,658	338,787	335,174	684,134	**17,285,314**
5	Residential Heating Low Income	99,712	178,044	250,781	238,178	213,710	194,021	100,127	67,120	0	0	0	0	**1,341,692**
6	Small C&I	116,386	260,153	412,737	405,424	368,672	313,479	104,811	66,481	36	29	28	39,202	**2,087,438**
7	Medium C&I	202,328	353,053	502,001	473,805	444,548	395,382	189,716	140,530	105,552	87,997	82,250	135,881	**3,113,042**
8	Large LLF	38,117	70,274	111,810	100,523	94,633	80,576	30,177	20,339	10,284	7,386	8,101	21,542	**593,763**
9	Large HLF	17,053	21,083	26,215	26,803	24,099	20,948	19,724	17,792	17,014	15,277	13,191	14,260	**233,459**
10	Extra Large LLF	3,267	6,464	12,229	9,417	10,069	10,129	4,291	2,883	454	239	364	1,563	**61,367**
11	Extra Large HLF	10,464	5,556	6,078	3,679	3,582	3,762	7,836	10,647	14,715	13,353	11,398	11,354	**102,423**
12	**Total Sales**	1,621,637	2,962,145	4,309,240	4,195,075	3,831,181	3,340,569	1,473,313	1,007,242	611,796	491,575	476,163	943,610	**25,263,546**
13	**TSS**													
14	Small	1	820	1,643	1,720	1,352	1,660	341	93	0	0	0	0	**7,630**
15	Medium	1,651	2,542	5,657	6,588	6,566	8,327	4,570	75	0	0	0	0	**35,976**
16	Large LLF	1,104	2,207	5,122	5,623	8,641	7,726	1,932	(99)	0	0	0	0	**32,255**
17	Large HLF	360	986	(7,763)	781	852	1,594	987	0	0	0	0	0	**(2,204)**
18	Extra Large LLF	0	0	0	0	0	0	0	0	0	0	0	0	**0**
19	Extra Large HLF	0	0	0	0	0	0	0	0	0	0	0	0	**0**
20	**Total TSS**	3,116	6,555	4,658	14,712	17,411	19,307	7,830	68	0	0	0	0	**73,657**
21	**Sales & TSS THROUGHPUT**													
22	Residential Non-Heating	27,860	38,287	50,638	50,625	47,073	44,256	29,336	24,258	33,084	28,507	25,656	35,674	**435,255**
23	Residential Non-Heating Low Income	708	1,220	1,697	1,646	1,406	1,429	1,005	683	0	0	0	0	**9,794**
24	Residential Heating	1,105,743	2,028,011	2,935,054	2,884,975	2,623,389	2,276,588	986,291	656,511	430,658	338,787	335,174	684,134	**17,285,314**
25	Residential Heating Low Income	99,712	178,044	250,781	238,178	213,710	194,021	100,127	67,120	0	0	0	0	**1,341,692**
26	Small C&I	116,387	260,972	414,380	407,145	370,024	315,140	105,153	66,574	36	29	28	39,202	**2,095,069**
27	Medium C&I	203,978	355,596	507,658	480,393	451,114	403,709	194,286	140,604	105,552	87,997	82,250	135,881	**3,149,017**
28	Large LLF	39,221	72,481	116,932	106,146	103,274	88,301	32,109	20,239	10,284	7,386	8,101	21,542	**626,018**
29	Large HLF	17,413	22,069	18,451	27,584	24,951	22,542	20,711	17,792	17,014	15,277	13,191	14,260	**231,255**
30	Extra Large LLF	3,267	6,464	12,229	9,417	10,069	10,129	4,291	2,883	454	239	364	1,563	**61,367**
31	Extra Large HLF	10,464	5,556	6,078	3,679	3,582	3,762	7,836	10,647	14,715	13,353	11,398	11,354	**102,423**
32	**Total Sales & TSS Throughput**	1,624,752	2,968,700	4,313,898	4,209,787	3,848,592	3,359,876	1,481,143	1,007,310	611,796	491,575	476,163	943,610	**25,337,203**
33	**FT-1 TRANSPORTATION**													
	FT-1 Small	0	0	0	0	0	0	0	0	0	0	0	0	**0**
34	FT-1 Medium	15,039	57,778	91,539	92,513	76,349	87,997	45,854	33,455	25,574	24,628	25,725	34,041	**610,491**
35	FT-1 Large LLF	30,674	85,561	138,218	139,766	118,745	139,253	64,270	39,180	16,732	14,706	16,896	33,323	**837,324**
36	FT-1 Large HLF	3,130	34,229	46,585	45,978	41,018	46,755	30,869	28,414	30,446	30,181	30,467	32,613	**400,685**
37	FT-1 Extra Large LLF	49,729	116,405	178,743	179,983	159,841	186,388	98,443	62,497	25,453	22,988	25,654	45,642	**1,151,766**
38	FT-1 Extra Large HLF	26,686	491,114	557,480	552,086	489,501	569,383	456,839	434,173	467,404	465,913	467,525	479,610	**5,457,713**
39	Default	1,315	5,384	7,861	7,933	6,877	8,043	8,305	4,092	0	0	0	0	**49,810**
40	**Total FT-1 Transportation**	126,573	790,470	1,020,427	1,018,260	892,330	1,037,818	704,581	601,811	565,609	558,416	566,267	625,227	**8,507,789**
41	**FT-2 TRANSPORTATION**													
42	FT-2 Small	5,763	12,400	19,816	18,921	18,027	14,840	5,565	4,962	2,464	2,218	2,484	4,476	**111,934**
43	FT-2 Medium	113,132	196,524	277,630	266,892	257,186	228,063	111,699	79,934	50,797	47,414	51,410	80,659	**1,761,339**
44	FT-2 Large LLF	90,345	164,245	224,090	204,116	189,418	154,331	66,850	31,676	13,358	10,469	13,659	37,191	**1,199,748**
45	FT-2 Large HLF	36,219	43,989	56,893	59,620	56,196	46,493	33,574	32,303	25,785	25,411	25,815	29,270	**471,566**
46	FT-2 Extra Large LLF	1,374	4,987	7,574	6,675	5,895	6,478	2,108	1,453	1,191	1,040	1,203	2,428	**42,406**
47	FT-2 Extra Large HLF	42,225	46,991	50,604	47,994	55,613	50,379	37,837	40,363	50,129	49,851	50,151	52,406	**574,541**
48	**Total FT-2 Transportation**	289,058	469,135	636,607	604,218	582,335	500,584	257,632	190,691	143,722	136,402	144,723	206,430	**4,161,535**
49	**Total THROUGHPUT**													
50	Residential Non-Heating	27,860	38,287	50,638	50,625	47,073	44,256	29,336	24,258	33,084	28,507	25,656	35,674	**435,255**
51	Residential Non-Heating Low Income	708	1,220	1,697	1,646	1,406	1,429	1,005	683	0	0	0	0	**9,794**
52	Residential Heating	1,105,743	2,028,011	2,935,054	2,884,975	2,623,389	2,276,588	986,291	656,511	430,658	338,787	335,174	684,134	**17,285,314**
53	Residential Heating Low Income	99,712	178,044	250,781	238,178	213,710	194,021	100,127	67,120	0	0	0	0	**1,341,692**
54	Small C&I	122,150	273,372	434,196	426,066	388,051	329,980	110,717	71,536	2,499	2,247	2,511	43,678	**2,207,003**
55	Medium C&I	332,149	609,897	876,827	839,797	784,649	719,769	351,839	253,994	181,923	160,039	159,385	250,580	**5,520,848**
56	Large LLF	160,240	322,287	479,241	450,028	411,438	381,885	163,229	91,095	40,373	32,561	38,657	92,056	**2,663,090**
57	Large HLF	56,763	100,288	121,930	133,181	122,164	115,789	85,154	78,509	73,244	70,869	69,473	76,143	**1,103,507**
58	Extra Large LLF	54,369	127,856	198,546	196,075	175,805	202,996	104,842	66,833	27,098	24,266	27,220	49,633	**1,255,539**
59	Extra Large HLF	79,375	543,661	614,162	603,758	548,696	623,524	502,512	485,182	532,247	529,116	529,074	543,369	**6,134,676**
60	Default	1,315	5,384	7,861	7,933	6,877	8,043	8,305	4,092	0	0	0	0	**49,810**
61	**Total Throughput**	2,040,383	4,228,306	5,970,932	5,832,264	5,323,257	4,898,277	2,443,356	1,799,812	1,321,127	1,186,393	1,187,152	1,775,267	**38,006,527**