

Robert J. Humm Senior Counsel

January 20, 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,<sup>1</sup> 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 2 months of actual data and 10 months of projected data, the deferred gas cost balance at the end of October 2017 is an under-recovery of approximately \$0.7 million (see attached Schedule 1, page 1). This calculation is based on the November 1, 2016-starting under-recovery balance of \$0.4 million<sup>2</sup> plus the actual gas costs and gas cost revenue for the period of November 1, 2016 through December 31, 2016 and the projected gas costs and gas cost revenue for the period of January 1, 2017 through October 31, 2017. The projected gas costs are updated to reflect the gas cost changes utilizing a NYMEX strip as of January 4, 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 December 31, 2016 and revised projected gas costs for January 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. The calculation of inventory finance charges is presented on Schedule 5. Schedule 6 presents customer class specific throughput.

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

<sup>&</sup>lt;sup>2</sup> Ending balance for October 2016 as filed on November 18, 2016 in Docket No. 4576.

Luly E. Massaro, Commission Clerk Docket 4647 – GCR Deferred Report January 20, 2017 Page 2 of 2

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

Enclosures

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.

Joanne M. Scanlon

January 20, 2017 Date

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

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#### **Deferred Gas Cost Balances**

	Deterreu Gas Cost Datances														
Line															
No.	Description	Reference		_	_					_			_		
			Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
			Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	2/5
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)	(1)	(m)
2	I. Fixed Cost Deferred														
3	Beginning Under/(Over) Recovery		(\$8,917,829)	(\$8,528,360)	(\$9,401,983)	(\$11,921,176)	(\$14,227,862)	(\$15,952,847)	(\$16,310,367)	(\$15,330,190)	(\$13,369,070)	(\$10,966,636)	(\$8,499,192)	(\$6,092,383)	(\$8,917,829)
4	Supply Fixed Costs (net of cap rel)	Sch. 2, line 30	\$3,643,234	\$3,860,783	\$4,134,536	\$4,155,641	\$4,029,496	\$4,294,433	\$4,295,107	\$4,294,433	\$4,295,107	\$4,295,107	\$4,294,433	\$4,295,107	\$49,887,417
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)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$13,700,000)
8	Working Capital	Sch. 4, line 15	\$20,283	\$21,537	\$23,114	\$23,236	\$22,509	\$24,036	\$24,040	\$24,036	\$24,040	\$24,040	\$24,036	\$24,040	\$278,946
9	Total Supply Fixed Costs	sum[(4):(8)]	\$2,445,750	\$2,664,552	\$2,939,883	\$2,961,109	\$2,834,238	\$3,100,701	\$3,101,379	\$3,100,701	\$3,101,379	\$3,101,379	\$3,100,701	\$3,101,379	\$35,553,154
10	Supply Fixed - Revenue	Sch. 3, line 13	\$2,008,144	\$3,525,810	\$5,443,240	\$5,250,255	\$4,536,811	\$3,435,035	\$2,097,705	\$1,118,957	\$680,873	\$619,480	\$683,406	\$1,214,275	\$30,613,995
11	Monthly Under/(Over) Recovery	(9) - (10)	\$437,605	(\$861,258)	(\$2,503,358)	(\$2,289,146)	(\$1,702,573)	(\$334,334)	\$1,003,674	\$1,981,744	\$2,420,506	\$2,481,899	\$2,417,295	\$1,887,104	\$4,939,159
12	Prelim. Ending Under/(Over) Recover	(3) + (11)	(\$8,480,224)	(\$9,389,619)	(\$11,905,341)	(\$14,210,321)	(\$15,930,435)	(\$16,287,181)	(\$15,306,693)	(\$13,348,445)	(\$10,948,564)	(\$8,484,737)	(\$6,081,897)	(\$4,205,279)	(\$3,978,670)
13	Month's Average Balance	[(3) + (12)] / 2	(\$8,699,027)	(\$8,958,989)	(\$10,653,662)	(\$13,065,748)	(\$15,079,148)	(\$16,120,014)	(\$15,808,530)	(\$14,339,317)	(\$12,158,817)	(\$9,725,686)	(\$7,290,545)	(\$5,148,831)	
14	Interest Rate (BOA Prime minus 200 bps)		1.50%	1.63%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	
15	Interest Applied	[(13) * (14)] / 365 * (1)	(\$10,725)	(\$12,365)	(\$15,835)	(\$17,540)	(\$22,412)	(\$23,186)	(\$23,496)	(\$20,625)	(\$18,072)	(\$14,455)	(\$10,486)	(\$7,653)	(\$196,850)
16	Marketer Reconcilation	Dkt 4647	(\$37,411)												(\$37,411)
17	Fixed Ending Under/(Over) Recovery	(12) + (15) + (16)	(\$8,528,360)	(\$9,401,983)	(\$11,921,176)	(\$14,227,862)	(\$15,952,847)	(\$16,310,367)	(\$15,330,190)	(\$13,369,070)	(\$10,966,636)	(\$8,499,192)	(\$6,092,383)	(\$4,212,932)	(\$4,212,932)
10															
18			\$9,293,216	\$9,929,538	\$16,316,397	\$18,502,886	\$17,942,088	\$15,734,027	\$11,063,647	\$7,921,054	\$6,700,055	\$6,401,470	\$6,113,946	\$5,599,553	\$9,293,216
19 20	Beginning Under/(Over) Recovery		\$9,295,210	\$9,929,558	\$10,510,597	\$18,502,880	\$17,942,088	\$15,754,027	\$11,065,647	\$7,921,054	\$6,700,055	\$6,401,470	\$0,115,940	\$3,399,333	\$9,295,210
20	Variable Supply Costs	Sch. 2, line 76	\$6,640,193	\$16,506,195	\$18,164,527	\$14,863,442	\$11,068,303	\$5,261,760	\$2,705,318	\$1,628,937	\$1,203,705	\$1,018,245	\$971,882	\$2,411,178	\$82,443,685
21	Supply Related LNG to DAC	Dkt 4339	\$0,040,193	\$10,500,195 \$0	\$18,104,527 \$0	\$14,803,442 \$0	\$11,008,505	\$5,201,700	\$2,705,518	\$1,028,937	\$1,205,705	\$1,018,243	\$971,882	\$2,411,178 \$0	\$82,445,085
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
23	Inventory Financing - LNC	Sch. 5, line 22	\$27,598	\$24,431	\$12,160	\$7,477	\$6,881	\$12,376	\$17,972	\$23,407	\$25,250	\$26,170	\$31,594	\$32,502	\$247,817
25	Inventory Financing - UC	Sch. 5, line 12	\$88,475	\$75,678	\$47,816	\$34,010	\$21,398	\$29,515	\$37,802	\$46,596	\$54,428	\$63,650	\$74,481	\$83,947	\$657,795
26	Working Capital	Sch. 4, line 30	\$38,271	\$95,133	\$104,691	\$85,665	\$63,792	\$30,326	\$15,592	\$9,388	\$6,938	\$5,869	\$5,601	\$13,897	\$475,164
27	Total Supply Variable Costs	sum[(21):(26)]	\$6,842,261	\$16,749,161	\$18,376,919	\$15,038,320	\$11,208,099	\$5,381,702	\$2,824,408	\$1,756,052	\$1,338,044	\$1,161,658	\$1,131,283	\$2,589,248	\$84,397,155
28	Supply Variable - Revenue	Sch. 3, line 30	\$6,217,781	\$10,380,401	\$16,216,287	\$15,623,564	\$13,441,169	\$10,071,340	\$5,981,099	\$2,987,559	\$1,646,358	\$1,458,476	\$1,654,094	\$3,277,914	\$88,956,043
29	Monthly Under/(Over) Recovery	(27) - (28)	\$624,480	\$6,368,760	\$2,160,632	(\$585,244)	(\$2,233,070)	(\$4,689,638)	(\$3,156,691)	(\$1,231,507)	(\$308,314)	(\$296,818)	(\$522,811)	(\$688,666)	(\$4,558,888)
30	Prelim. Ending Under/(Over) Recover	(21) + (31)	\$9,917,696	\$16,298,298	\$18,477,029	\$17,917,642	\$15,709,019	\$11,044,388	\$7,906,956	\$6,689,547	\$6,391,741	\$6,104,652	\$5,591,135	\$4,910,887	\$4,734,329
31	Month's Average Balance	[(19) + (30)] / 2	\$9,605,456	\$13,113,918	\$17,396,713	\$18,210,264	\$16,825,553	\$13,389,207	\$9,485,301	\$7,305,301	\$6,545,898	\$6,253,061	\$5,852,540	\$5,255,220	
32	Interest Rate (BOA Prime minus 200 bps)		1.50%	1.63%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	
33	Interest Applied	[(31) * (32)] / 365 * (1)	\$11,842	\$18,099	\$25,857	\$24,447	\$25,008	\$19,258	\$14,098	\$10,508	\$9,729	\$9,294	\$8,418	\$7,811	\$184,369
34	Gas Procurement Incentive/(penalty		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Variable Ending Under/(Over) Recovery	(30) + (33) + (34)	\$9,929,538	\$16,316,397	\$18,502,886	\$17,942,088	\$15,734,027	\$11,063,647	\$7,921,054	\$6,700,055	\$6,401,470	\$6,113,946	\$5,599,553	\$4,918,697	\$4,918,697
26	CCD D-f														
36 37	GCR Deferred Summary Beginning Under/(Over) Recovery	(3) + (19)	\$375,387	\$1,401,178	\$6,914,414	\$6,581,711	\$3,714,227	(\$218,821)	(\$5,246,721)	(\$7,409,136)	(\$6,669,016)	(\$4,565,166)	(\$2,385,246)	(\$492,831)	\$375,387
38					\$22,270,687								\$5,237,939		
38 39	Gas Costs	sum[(4):(6),(16),(20):(23)]	\$10,217,640 \$116,073	\$20,338,601 \$100,108	\$22,270,687 \$59,976	\$18,990,707 \$41,487	\$15,069,423 \$28,279	\$9,527,817 \$41,891	\$6,972,048 \$55,774	\$5,894,994 \$70,002	\$5,470,436 \$79,677	\$5,284,976 \$89,820	\$5,257,959 \$106,075	\$6,677,909 \$116,449	\$131,953,176 \$905,612
	Inventory Finance	(24) + (25)													
40	Working Capital	(8) + (26)	\$58,553	\$116,670	\$127,806	\$108,901	\$86,301	\$54,362	\$39,632	\$33,424	\$30,977	\$29,908	\$29,637	\$37,937	\$754,110
41	NGPMP Credits	(7)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$1,141,667)	(\$13,700,000)
42	Total Costs	sum[(38):(41)]	\$9,250,599	\$19,413,713	\$21,316,802	\$17,999,429	\$14,042,337	\$8,482,403	\$5,925,788	\$4,856,753	\$4,439,424	\$4,263,037	\$4,231,984	\$5,690,627	\$119,912,898
43	Revenue	(10) + (28)	\$8,225,926	\$13,906,212	\$21,659,527	\$20,873,819	\$17,977,980	\$13,506,375	\$8,078,804	\$4,106,516	\$2,327,231	\$2,077,956	\$2,337,500	\$4,492,189	\$119,570,037
44	Monthly Under/(Over) Recovery	(42) - (43)	\$1,024,674	\$5,507,501	(\$342,726)	(\$2,874,390)	(\$3,935,643)	(\$5,023,972)	(\$2,153,017)	\$750,237	\$2,112,192	\$2,185,081	\$1,894,484	\$1,198,438	\$342,860
45	Prelim. Ending Under/(Over) Recover	(37) + (44)	\$1,400,061	\$6,908,679	\$6,571,688	\$3,707,320	(\$221,417)	(\$5,242,793)	(\$7,399,737)	(\$6,658,898)	(\$4,556,823)	(\$2,380,085)	(\$490,762)	\$705,607	
46	Month's Average Balance	[(37) + (45)] / 2	\$887,724	\$4,154,929	\$6,743,051	\$5,144,515	\$1,746,405	(\$2,730,807)	(\$6,323,229)	(\$7,034,017)	(\$5,612,920)	(\$3,472,625)	(\$1,438,004)	\$106,388	
47	Interest Rate (BOA Prime minus 200 bps)	(15) (22)	1.50%	1.63%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	(610.100)
48	Interest Applied	(15) + (33)	\$1,118 \$0	\$5,734 \$0	\$10,022 \$0	\$6,906 \$0	\$2,596 \$0	(\$3,928) \$0	(\$9,398) \$0	(\$10,117)	(\$8,342)	(\$5,161)	(\$2,068)	\$158	(\$12,482) \$0
49 50	Gas Purchase Plan Incentives/(Penalties)	(34)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	20
	Ending Under/(Over) Recovery W/ Interest	(45) + (48) + (49)	\$1,401,178	\$6,914,414	\$6,581,711	\$3,714,227	(\$218,821)	(\$5,246,721)	(\$7,409,136)	(\$6,669,016)	(\$4,565,166)	(\$2,385,246)	(\$492,831)	\$705,765	\$705,765
51	Ending Under/(Over) Recovery w/ Interest	(+5) + (40) + (49)	φ <b>1,</b> <del>1</del> 01,178	<i>40,714,414</i>	φ <b>0,201,/11</b>	φ <b>3,114,221</b>	(\$210,021)	(\$3,240,721)	(\$7,409,130)	(\$0,009,010)	(\$4,505,100)	(44,303,440)	(\$472,031)	\$105,105	\$105,105

Schedule 2 Page 1 of 3

## Supply Estimates Actuals for Filing

		<u>Nov</u> <u>Actual</u> (a)	Dec Actual (b)	Jan Forecast (c)	Feb Forecast (d)	Mar Forecast (e)	Apr Forecast (f)	May Forecast (g)	Jun Forecast (h)	Jul Forecast (i)	<u>Aug</u> <u>Forecast</u> (j)	Sep Forecast (k)	Oct Forecast (1)	Nov-Oct
	Projected Gas Costs using 1/4/2017 NYMEX settled		(0)	(0)	(4)	(0)	(1)	(6)	()	(1)	0/	(11)	(1)	()
Line	Description	Reference												
No.	-													
2	SUPPLY FIXED COSTS - Pipeline Delivery Algonquin (includes East to West, Hubline, AMA credits)	\$866.814	\$1.181.848	\$1,430,299	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$1,453,427	\$16,559,803
3	TETCO/Texas Eastern	\$724,537	\$728,107	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$726,226	\$8,714,901
4	Tennessee	\$1,093,209	\$1,093,190	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$1,093,117	\$13,117,569
5	NETNE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Iroquois	\$6,267	\$6,277	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$6,676	\$79,306
7	Union	\$0	\$0	\$2,440	\$2,204	\$2,440	\$2,362	\$2,440	\$2,362	\$2,440	\$2,440	\$2,362	\$2,440	\$23,931
8	Transcanada	\$0	\$0	\$13,435	\$12,135	\$13,435	\$13,002	\$13,435	\$13,002	\$13,435	\$13,435	\$13,002	\$13,435	\$131,750
9	Dominion	\$2.235	\$2,317	\$2,235	\$2,235	\$2.235	\$2,235	\$2,235	\$2,235	\$2,235	\$2,235	\$2,235	\$2,235	\$26,902
10	Transco	\$4,859	\$5,021	\$5,021	\$4,535	\$5,021	\$4,859	\$5,021	\$4,859	\$5,021	\$5,021	\$4,859	\$5,021	\$59,114
11	National Fuel	\$4.574	\$4,387	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$4,574	\$54,699
12	Columbia	\$293.747	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$293,746	\$3,524,958
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)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$705,450)	(\$8,363,768)
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Supply Fixed - Supplier	¢0.	*0	<b>60</b>	<b>60</b>	**	*0	**	*0	<b>60</b>	<b>60</b>	**	<u> </u>	**
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													
18	Texas Eastern	\$85.718	\$85,828	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$95,385	\$1,125,393
20	Dominion	\$82,949	\$83,284	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$82,949	\$995,727
20	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
21	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
22	Columbia	\$2,07 <del>4</del>	\$9,094	\$7,074	\$9,094	\$7,074	\$9,094	37,074	\$9,094	\$9,094	\$9,094	\$9,094	\$7,074	\$110,528
23	STODACE EIVED COSTS Delivery													
23 24	STORAGE FIXED COSTS - Delivery	¢015.406	6015 400	6015 400	6015 406	¢015.426	6015 406	6015 400	¢015.406	6015 400	6015 400	¢215.426	\$215 42C	\$2,585,230
	Algonquin TETCO	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$215,436 \$87,625	\$2,585,230 \$1,051,503
25 26	Tennessee	\$87,625 \$88,273	\$87,623	\$87,623	\$88,273	\$87,623	\$88,273	\$87,623	\$87,623	\$88,273	\$88,273	\$87,623	\$87,623	\$1,051,505
20	Dominion	\$88,275 \$30,736	\$88,275	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$30,736	\$368,828
27	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
20	Columbia	\$15,521	\$15,521	\$13,321	\$15,521	\$15,521	\$15,521	\$13,321	\$15,521	\$15,521	\$15,521	\$15,521	\$15,521	\$165,651
29	Confidential Pipelinne and Peaking Supplies	\$626,839	\$546,630	\$588,460	\$588,460	\$460,294	\$725,904	\$725,904	\$725,904	\$725,904	\$725,904	\$725,904	\$725,904	\$7,892,013
										******				+ 10 00 <b>-</b> 11-
30	TOTAL FIXED COSTS	sum[(2):(29)] \$3,643,234	\$3,860,783	\$4,134,536	\$4,155,641	\$4,029,496	\$4,294,433	\$4,295,107	\$4,294,433	\$4,295,107	\$4,295,107	\$4,294,433	\$4,295,107	\$49,887,417

## Supply Estimates Actuals for Filing

Line <u>No.</u> 31	Projected Gas Costs using 1/4/2017 NYMEX settled Description VARIABLE SUPPLY COSTS (Includes Injections)	Reference	<u>Nov</u> <u>Actual</u> (a)	Dec Actual (b)	<u>Jan</u> <u>Forecast</u> (c)	<u>Feb</u> <u>Forecast</u> (d)	<u>Mar</u> <u>Forecast</u> (e)	Apr Forecast (f)	<u>May</u> <u>Forecast</u> (g)	Jun Forecast (h)	Jul <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	Sep Forecast (k)	<u>Oct</u> <u>Forecast</u> (1)	Nov-Oct (m)
31 32 33 34 35 36 37 38 39 40 41 42	VARIABLE SUPPLY COSTS (Includes Injections) Tennessee (Includes ANE and Niagara) TETCO (Includes B&W) M3 Delivered Maumee Broadrun Col Columbia Eagle and Downingtown TETCO M2 Dominion to TETCO FTS Transco Leidy DistriGas FCS Hubline				\$3,744,470 \$241,582 \$874,006 \$3,453,979 \$1,189,538 \$805,164 \$2,866,940 \$62,423 \$133,876 \$2,125,373 \$0	\$3,105,155 \$180,418 \$629,885 \$2,553,316 \$797,391 \$534,327 \$2,116,382 \$46,435 \$100,033 \$1,492,553 \$0	\$2,082,855 \$183,930 \$249,115 \$2,438,777 \$789,740 \$150,182 \$2,143,954 \$47,283 \$102,920 \$102,920 \$102,920 \$0	\$1,727,366 \$0 \$1,500,800 \$79,634 \$62,899 \$144,197 \$1,889,004 \$0 \$28,379 \$956,520 \$0	\$767,209 \$0 \$1,515,507 \$0 \$93,341 \$613,751 \$0 \$5,107 \$883,213 \$0 \$0	\$1,073,707 \$0 \$62,088 \$0 \$92,836 \$694,150 \$0 \$4,761 \$803,301 \$0	\$903,609 \$0 \$0 \$46,228 \$1,123,513 \$0 \$4,820 \$0 \$0 \$0 \$0 \$0 \$0	\$970,738 \$0 \$0 \$88,921 \$1,039,799 \$0 \$4,618 \$0 \$0 \$0 \$0	\$1,021,271 \$0 \$38,916 \$0 \$51,341 \$629,804 \$0 \$4,088 \$455,186 \$0	\$1,211,670 \$0 \$341,140 \$0 \$28,956 \$1,506,709 \$0 \$60,171 \$450,832 \$0	\$16,608,049 \$605,930 \$5,211,456 \$8,525,706 \$2,839,567 \$2,035,493 \$14,624,006 \$156,141 \$448,773 \$7,579,377 \$0
43 44 45 46 47 48	Total Pipeline Commodity Charges* Hedging Settlements and Amortization Hedging Contracts - Commission & Other Fees Hedging Contracts - Net Carry of Collateral Refunds Less: Costs of Injections	sum[(32):(42)]	\$3,584,595 \$1,401,803 \$161,244 \$5,873 \$0 \$0	\$12,874,611 \$799,897 \$703,912 \$1,126 \$0 \$0	\$15,497,350 (\$1,704,181) \$722,796 \$0 \$0 \$0	\$11,555,895 \$311,087 \$662,075 \$0 \$0 \$0	\$8,601,154 \$177,006 \$604,773 \$0 \$0 \$0	\$6,388,799 (\$164,053) \$7,905 \$0 \$0 (\$1,051,696)	\$3,878,128 (\$234,735) \$0 \$0 \$0 (\$1,014,054)	\$2,730,842 (\$124,518) \$0 \$0 \$0 (\$1,053,297)	\$2,078,170 (\$51,208) \$0 \$0 \$0 (\$903,054)	\$2,104,076 (\$114,692) \$0 \$0 \$0 (\$1,052,298)	\$2,200,606 (\$125,367) \$0 \$0 \$0 (\$1,183,192)	\$3,599,478 (\$240,445) \$0 \$0 (\$1,030,639)	\$75,093,704 (\$69,406) \$2,862,704 \$6,999 \$0 (\$7,288,229)
49 50 51 52	TOTAL VARIABLE SUPPLY COSTS Underground Storage LNG Withdrawals and Trucking Storage Delivery Costs	sum[(43):(48)]	\$5,153,515 \$771,467 \$75,749 \$0	\$14,379,547 \$1,189,881 \$383,462 \$0	\$14,515,965 \$1,800,112 \$1,727,115 \$121,336	\$12,529,057 \$1,653,902 \$574,503 \$105,980	\$9,382,933 \$1,511,655 \$73,195 \$100,521	\$5,180,956 \$11,963 \$67,566 \$1,276	\$2,629,339 \$0 \$75,979 \$0	\$1,553,028 \$0 \$75,909 \$0	\$1,123,908 \$0 \$79,797 \$0	\$937,086 \$0 \$81,158 \$0	\$892,047 \$0 \$79,835 \$0	\$2,328,393 \$0 \$82,784 \$0	\$70,605,773 \$6,938,979 \$3,377,051 \$329,112
53 54 55	TOTAL VARIABLE STORAGE COSTS TOTAL VARIABLE COSTS TOTAL SUPPLY COSTS	sum[(50):(52)] (49) + (53) (30) + (54)	\$847,215 \$6,000,730 \$9,643,964	\$1,573,343 \$15,952,889 \$19,813,672	\$3,648,562 \$18,164,527 \$22,299,063	\$2,334,385 \$14,863,442 \$19,019,083	\$1,685,371 \$11,068,303 \$15,097,800	\$80,805 \$5,261,760 \$9,556,193	\$75,979 \$2,705,318 \$7,000,425	\$75,909 \$1,628,937 \$5,923,370	\$79,797 \$1,203,705 \$5,498,812	\$81,158 \$1,018,245 \$5,313,352	\$79,835 \$971,882 \$5,266,315	\$82,784 \$2,411,178 \$6,706,285	\$10,645,143 \$81,250,916 \$131,138,333

Schedule 2 Page 3 of 3

## Supply Estimates Actuals for Filing

			<u>Nov</u> Actual	Dec Actual	Jan Forecast	Feb Forecast	<u>Mar</u> Forecast	Apr Forecast	May Forecast	Jun Forecast	Jul Forecast	Aug Forecast	Sep Forecast	Oct Forecast	Nov-Oct
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)
• ·	Projected Gas Costs using 1/4/2017 NYMEX settled	D. (													
Line	Description	Reference													
<u>No.</u>															
56	Storage Costs for FT-2 Calculation														
57	Storage Fixed Costs - Facilities		\$390,438	\$390,882	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$400,105	\$4,782,369
58	Storage Fixed Costs - Deliveries		\$1,246,357	\$849,883	\$812,483	\$812,483	\$684,316	\$949,927	\$949,927	\$949,927	\$949,927	\$949,927	\$949,927	\$949,927	\$11,055,008
59	sub-total Storage Costs	sum[(56):(57)]	\$1,636,795	\$1,240,765	\$1,212,588	\$1,212,588	\$1,084,421	\$1,350,032	\$1,350,032	\$1,350,032	\$1,350,032	\$1,350,032	\$1,350,032	\$1,350,032	\$15,837,377
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	\$59,976	\$41,487	\$28,279	\$41,891	\$55,774	\$70,002	\$79,677	\$89,820	\$106,075	\$116,449	\$905,612
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	\$23,114	\$23,236	\$22,509	\$24,036	\$24,040	\$24,036	\$24,040	\$24,040	\$24,036	\$24,040	\$278,946
64	Total FT-2 Storage Fixed Costs	sum[(59):(63)]	\$1,697,050	\$1,286,309	\$1,219,577	\$1,201,210	\$1,059,108	\$1,339,858	\$1,353,745	\$1,367,969	\$1,377,648	\$1,387,791	\$1,404,041	\$1,414,419	\$16,108,726
65	System Storage MDQ (Dth)		183,069	191,153	149,325	149,325	149,325	149,325	149,325	149,325	149,325	149,325	149,325	149,325	1,867,472
66	FT-2 Storage Cost per MDQ (Dth)	(64) / (65)	\$9.2700	\$6.7292	\$8.1673	\$8.0443	\$7.0926	\$8.9728	\$9.0658	\$9.1610	\$9.2258	\$9.2938	\$9.4026	\$9.4721	\$8.6260
67	Pipeline Variable	(54)	\$6,000,730	\$15,952,889	\$18,164,527	\$14,863,442	\$11,068,303	\$5,261,760	\$2,705,318	\$1,628,937	\$1,203,705	\$1,018,245	\$971,882	\$2,411,178	\$81,250,916
68	Less Non-firm Gas Costs		(\$65,801)	(\$143,846)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$209,648)
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$368,931
74	Plus Pipeline Srchg/Credit		\$504,150	\$506,090	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,010,241
75	Less Mkter FT-2 Daily weather true-up		\$4,068	\$19,177	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,245
76	TOTAL FIRM COMMODITY COSTS*	sum[(67):(75)]	\$6,640,193	\$16,506,195	\$18,164,527	\$14,863,442	\$11,068,303	\$5,261,760	\$2,705,318	\$1,628,937	\$1,203,705	\$1,018,245	\$971,882	\$2,411,178	\$82,443,685

#### **GCR Revenue**

			<u>Nov</u> <u>Actual</u> (a)	Dec Actual (b)	Jan Forecast (c)	Feb Forecast (d)	<u>Mar</u> Forecast (e)	Apr Forecast (f)	<u>May</u> Forecast (g)	Jun Forecast (h)	Jul Forecast (i)	<u>Aug</u> Forecast (j)	<u>Sep</u> Forecast (k)	Oct Forecast (1)	Nov-Oct
	Description	Reference										<i>.</i>			
Line <u>No</u> 1	<u>-</u>														
2		Sch. 6, line 24-28, 30	1,568,307	2,901,568	4,514,912	4,351,706	3,738,466	2,790,929	1,640,767	799,031	423,728	371,050	425,917	882,322	24,408,703
3 4	Fixed Cost Factor	(4) / (2)	\$1.1469	\$1.1423	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$1.1412	\$27.0 <i>4</i> 7.512
4	Low Load Revenue		\$1,798,769	\$3,314,554	\$5,152,418	\$4,966,167	\$4,266,337	\$3,185,008	\$1,872,443	\$911,854	\$483,558	\$423,442	\$486,057	\$1,006,906	\$27,867,513
5	(b) High Load dth	Sch. 6, line 22, 23, 29, 31	56,445	67,133	153,257	145,837	130,833	108,300	81,007	60,995	50,208	48,800	50,245	61,288	1,014,349
6	Fixed Cost Factor	(7) / (5)	\$0.8998	\$0.9090	\$0.9074	\$0.9074	\$0.9074	\$0.9074	\$0.9074	\$0.9074	0.9074	0.9074	0.9074	0.9074	
7	High Load Revenue		\$50,787	\$61,025	\$139,066	\$132,332	\$118,718	\$98,271	\$73,506	\$55,347	\$45,559	\$44,282	\$45,593	\$55,613	\$920,098
8	sub-total throughput Dth	(2) + (5)	1,624,752	2,968,700	4,668,170	4,497,543	3,869,298	2,899,229	1,721,774	860,026	473,936	419,850	476,163	943,610	25,423,051
9	FT-2 Storage Revenue from marketers		\$157,426	\$149,264	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$151,756	\$1,824,252
10	Manchester Steet Volumes (dth)	Monthly Meter Use	986	822	0	0	0	0	0	0	0	0	0	0	
11		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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,131
13	TOTAL Fixed Revenue	(4) + (7) + (9) + (12)	\$2,008,144	\$3,525,810	\$5,443,240	\$5,250,255	\$4,536,811	\$3,435,035	\$2,097,705	\$1,118,957	\$680,873	\$619,480	\$683,406	\$1,214,275	\$30,613,995
14	II. Variable Cost Revenue														
15	(a) Firm Sales dth	(8)	1,624,752	2,968,700	4,668,170	4,497,543	3,869,298	2,899,229	1,721,774	860,026	473,936	419,850	476,163	943,610	25,423,051
16	Variable Supply Cost Factor	(17)/(15)	\$3.8616	\$3.4773	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	\$3.4738	
17	Variable Supply Revenue		\$6,274,073	\$10,323,084	\$16,216,287	\$15,623,564	\$13,441,169	\$10,071,340	\$5,981,099	\$2,987,559	\$1,646,358	\$1,458,476	\$1,654,094	\$3,277,914	\$88,955,018
18	(b) TSS Sales dth	Sch. 6. line 20	3.116	6.555											9.670
19		Company's website	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	2,070
20	e	(18) * (19)	\$0	\$0						,					\$0
				5 20 4	0		0	0	0	0					6 600
21 22		Sch. 6, line 60 (23) / (21)	1,315 \$5.35	5,384 \$9.23	0 \$0.00	0 \$0.00	0 \$0.00	0 \$0.00	0 \$0.00	0 \$0.00	- \$0.00	- \$0.00	- \$0.00	\$0.00	6,699
22		(23)7(21)	\$7,042	\$49,685	\$0.00 \$0	\$0.00	\$0.00 \$0	\$0.00	\$0.00 \$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$56,727
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$62,189)
26	(e) FT-1 Storage and Peaking														
27		Monthly Meter Use	986	822	0	0	0	0	0	0	0	0	0	0	
28	11.5	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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,487
30	TOTAL Variable Revenue	(17)+(20)+(23)+(24)+(25)+(26)+(29)	\$6,217,781	\$10,380,401	\$16,216,287	\$15,623,564	\$13,441,169	\$10,071,340	\$5,981,099	\$2,987,559	\$1,646,358	\$1,458,476	\$1,654,094	\$3,277,914	\$88,956,043
31	Total Gas Cost Revenue (w/o FT-2)	(13) + (30)	\$8,225,926	\$13,906,212	\$21,659,527	\$20,873,819	\$17,977,980	\$13,506,375	\$8,078,804	\$4,106,516	\$2,327,231	\$2,077,956	\$2,337,500	\$4,492,189	\$119,570,037

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

#### WORKING CAPITAL

		<u>Nov</u> <u>Actual</u> (a)	Dec Actual (b)	Jan Forecast (c)	Feb Forecast (d)	<u>Mar</u> Forecast (e)	Apr Forecast (f)	<u>Mav</u> <u>Forecast</u> (g)	Jun Forecast (h)	Jul Forecast (i)	Aug Forecast (j)	Sep Forecast (k)	Oct Forecast (l)	<u>Nov-Oct</u> (m)
Description	Reference													
Line <u>No.</u> 1 Supply Fixed Costs	Sch. 1. line 4	\$3,643,234	\$3,860,783	\$4,134,536	\$4,155,641	\$4,029,496	\$4.294.433	\$4.295.107	\$4.294.433	\$4,295,107	\$4.295.107	\$4.294.433	\$4.295.107	\$49.887.417
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)
<ul> <li>Plus: Supply Related LNG O&amp;M Costs</li> <li>Total Adjustments</li> </ul>	Dkt 4323 (2) + (3)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$124,066)	\$0 (\$1,488,790)
5 Allowable Working Capital Costs	(2) + (3) (1) + (4)	\$3,519,169	\$3,736,717	\$4,010,470	\$4,031,575	\$3,905,430	\$4,170,367	\$4,171,041	\$4,170,367	\$4,171,041	\$4,171,041	\$4,170,367	\$4,171,041	\$48,398,627
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	\$236,343	\$237,587	\$230,153	\$245,766	\$245,806	\$245,766	\$245,806	\$245,806	\$245,766	\$245,806	
8 Cost of Capital 9 Return on Working Capital Requirement	Dkt 4339 (7) * (8)	7.26% \$15,057	7.26% \$15,987	7.26% \$17,159	7.26% \$17,249	7.26% \$16,709	7.26% \$17,843	7.26% \$17,845	7.26% \$17,843	7.26% \$17,845	7.26% \$17,845	7.26% \$17,843	7.26% \$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	\$6,098	\$6,130	\$5,938	\$6,341	\$6,342	\$6,341	\$6,342	\$6,342	\$6,341	\$6,342	
12 Taxable Income	(9) - (11)	\$9,706	\$10,306	\$11,061	\$11,119	\$10,771	\$11,502	\$11,504	\$11,502	\$11,504	\$11,504	\$11,502	\$11,504	
<ol> <li>13 1 - Combined Tax Rate</li> <li>14 Return and Tax Requirement</li> </ol>	Dkt 4323 (12) / (13)	0.65 \$14,932	0.65 \$15,855	0.65 \$17,017	0.65 \$17,106	0.65 \$16,571	0.65 \$17,695	0.65 \$17,698	0.65 \$17,695	0.65 \$17,698	0.65 \$17,698	0.65 \$17,695	0.65 \$17,698	
14 Return and Tax Requirement	(12)7(13)	\$14,952	\$15,655	\$17,017	\$17,100	\$10,571	\$17,095	\$17,098	\$17,095	\$17,098	\$17,098	\$17,095	\$17,098	
15 Supply Fixed Working Capital Requirement	(11) + (14)	\$ <u>20,283</u>	\$ <u>21,537</u>	\$ <u>23,114</u>	\$ <u>23,236</u>	\$22,509	\$ <u>24,036</u>	\$ <u>24,040</u>	\$24,036	\$24,040	\$24,040	\$24,036	\$24,040	\$ <u>278,946</u>
16 Supply Variable Costs	Sch. 1, line 21	\$6,640,193	\$16,506,195	\$18,164,527	\$14,863,442	\$11,068,303	\$5,261,760	\$2,705,318	\$1,628,937	\$1,203,705	\$1,018,245	\$971,882	\$2,411,178	\$82,443,685
17 Less: Balancing Related LNG Commodity (to DAC)	Sch. 1, line 22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<ol> <li>Plus: Supply Related LNG O&amp;M Costs</li> <li>Total Adjustments</li> </ol>	Dkt 4323 (17) + (18)	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 <u>\$0</u>	\$0 \$0	\$0 <u>\$0</u>	\$0 <u>\$0</u>
20 Allowable Working Capital Costs	(17) + (18) (16) + (19)	\$6,640,193	\$16,506,195	\$18,164,527	\$14,863,442	\$11,068,303	\$5,261,760	\$2,705,318	\$1,628,937	\$1,203,705	\$1,018,245	\$971,882	\$2,411,178	\$82,443,685
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	\$972,735	\$1,070,463	\$875,925	\$652,272	\$310,083	\$159,428	\$95,996	\$70,936	\$60,007	\$57,274	\$142,094	
<ul><li>23 Cost of Capital</li><li>24 Return on Working Capital Requirement</li></ul>	Dkt 4339 (22) * (23)	7.26% \$28,410	7.26% \$70,621	7.26% \$77,716	7.26% \$63,592	7.26% \$47,355	7.26% \$22,512	7.26% \$11,575	7.26% \$6,969	7.26% \$5,150	7.26% \$4,356	7.26% \$4,158	7.26% \$10,316	
24 Return on working Capital Requirement	(22) (23)	\$28,410	\$70,021	\$77,710	\$05,592	347,555	\$22,312	\$11,373	\$0,909	\$5,150	\$4,550	\$4,130	\$10,510	
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	\$25,097	\$27,618	\$22,599	\$16,829	\$8,000	\$4,113	\$2,477	\$1,830	\$1,548	\$1,478	\$3,666	
27 Taxable Income	(24) - (26)	\$18,314	\$45,524	\$50,098	\$40,993	\$30,526	\$14,512	\$7,461	\$4,493	\$3,320	\$2,808	\$2,680	\$6,650	
<ul><li>28 1 - Combined Tax Rate</li><li>29 Return and Tax Requirement</li></ul>	Dkt 4323 (27) / (28)	0.65 \$28,175	0.65 \$70,037	0.65 \$77,073	0.65 \$63,067	0.65 \$46,964	0.65 \$22,326	0.65 \$11,479	0.65 \$6,912	0.65 \$5,107	0.65 \$4,320	0.65 \$4,124	0.65 \$10,231	
30 Supply Variable Working Capital Requirement	(26) + (29)	\$38,271	\$ <u>95,133</u>	\$ <u>104,691</u>	\$ <u>85,665</u>	\$63,792	\$30,326	\$ <u>15,592</u>	\$9,388	\$6,938	\$ <u>5,869</u>	\$5,601	\$ <u>13,897</u>	\$475,164

## INVENTORY FINANCE

			<u>Nov</u> Actual	Dec Actual	Jan Forecast	<u>Feb</u> Forecast	<u>Mar</u> Forecast	Apr Forecast	May Forecast	Jun Forecast	Jul Forecast	Aug Forecast	Sep Forecast	Oct Forecast	Nov-Oct
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)
Line	Description	Reference													
No.	<u> </u>														
1	Storage Inventory Balance		\$7,822,815	\$6,955,021	\$5,867,029	\$4,172,991	\$2,625,570	\$3,621,498	\$4,638,275	\$5,717,263	\$6,678,263	\$7,809,786	\$9,138,715	\$10,300,233	
2	Monthly Storage Deferral/Amortization Subtotal	(1) + (2)	\$3,032,959 <b>\$10,855,774</b>	\$2,330,590 \$9,285,611	\$0 \$5,867,029	\$0 <b>\$4,172,991</b>	\$0 \$2,625,570	\$0 \$3.621.498	\$0 <b>\$4,638,275</b>	\$0 \$5,717,263	\$0 <b>\$6,678,263</b>	\$0 \$7,809,786	\$0 <b>\$9,138,715</b>	\$0 <b>\$10.300.233</b>	
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	\$425,946	\$302,959	\$190,616	\$262,921	\$336,739	\$415,073	\$484,842	\$566,990	\$663,471	\$747,797	\$5,859,619
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	\$151,369	\$107,663	\$67,740	\$93,435	\$119,667	\$147,505	\$172,299	\$201,492	\$235,779	\$265,746	\$2,082,344
8	Taxable Income	(5) - (7)	\$508.050	\$434,567	\$274.577	\$195,296	\$122.877	\$169.486	\$217.071	\$267,568	\$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	\$422,426	\$300,455	\$189,041	\$260,748	\$333,956	\$411,643	\$480,835	\$562,305	\$657,987	\$741,617	\$5,811,192
11	Working Capital Requirement	(7) + (10)	\$1,061,695	\$908,133	\$573,795	\$408,118	\$256,781	\$354,182	\$453,623	\$559,148	\$653,134	\$763,797	\$893,766	\$1,007,363	\$7,893,536
12	Monthly Average	(11) / 12	\$88,475	\$75,678	\$47,816	\$34,010	\$21,398	\$29,515	\$37,802	\$46,596	\$54,428	\$63,650	\$74,481	\$83,947	\$657,795
13	LNG Inventory Balance		\$3,386,262	\$2,997,625	\$1,491,978	\$917,475	\$844,280	\$1,518,512	\$2,205,170	\$2,871,965	\$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	\$108,318	\$66,609	\$61,295	\$110,244	\$160,095	\$208,505	\$224,923	\$233,123	\$281,440	\$289,526	\$2,207,547
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	\$38,493	\$23,671	\$21,782	\$39,178	\$56,893	\$74,097	\$79,931	\$82,845	\$100,016	\$102,890	\$784,500
18	Taxable Income	(15) - (17)	\$158,477	\$140,289	\$69,825	\$42,938	\$39,512	\$71,066	\$103,202	\$134,408	\$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	\$107,422	\$66,058	\$60,788	\$109,333	\$158,772	\$206,781	\$223,064	\$231,196	\$279,114	\$287,134	\$2,189,303
21	Working Capital Requirement	(17) + (20)	\$331,176	\$293,168	\$145,915	\$89,729	\$82,571	\$148,510	\$215,666	\$280,878	\$302,996	\$314,041	\$379,130	\$390,023	\$2,973,803
22	Monthly Average	(21) / 12	\$27,598	\$24,431	\$12,160	\$7,477	\$6,881	\$12,376	\$17,972	\$23,407	\$25,250	\$26,170	\$31,594	\$32,502	\$247,817
23	TOTAL GCR Inventory Financing Costs	(12) + (22)	\$116,073	\$100.108	\$59,976	\$41,487	\$28,279	\$41,891	\$55,774	\$70,002	\$79,677	\$89,820	\$106,075	\$116,449	\$905,612
23	TO THE OCK INVENTION Financing Costs	(12) (22)	<i>φ</i> 11 <b>3,</b> 07 <i>3</i>	<i>φ</i> 100,100	φ.55,570	φ-1,-07	φ20,279	φ41,071	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	φ <i>1</i> 0,002	φ/ 3,0//	φ05,020	φ <b>100,0</b> 75	<i>φ</i> 113,449	φ303,012

#### Actual Dth Usage for Filing

Actual D	oth Usage for Flling													
		Nov	Dec	Jan	Feb	Mar	<u>Apr</u>	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
		Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(1)	(m)
T :	THROUGHPUT (Dth)													
Line <u>No.</u>	Rate Class													
INO.	Kate Class													
1	SALES													
2	Residential Non-Heating	27,860	38,287	117,623	112,206	98,591	78,155	53,411	35,271	25,629	24,348	25,656	35,674	672,712
3	Residential Non-Heating Low Income	708	1,220	0	0	0	0,155	0	0	0	0	25,050	0	1,928
4	Residential Heating	1,105,743	2,028,011	3,373,630	3,252,058	2,798,847	2,097,234	1,245,874	622,889	333,615	289,355	335,174	684,134	18,166,565
5	Residential Heating Low Income	99,712	178,044	0	0	2,790,017	2,007,201	0	022,009	0	200,000	0	0	277,755
6	Small C&I	116,386	260,153	461,761	447,372	375,474	263,850	128,588	29,824	28	25	28	39,202	2,122,690
7	Medium C&I	202,328	353,053	544,595	522,834	453,810	348,373	219,911	125,684	81,767	75,158	82,250	135,881	3,145,644
8	Large LLF	38,117	70,274	124,063	119,020	101,449	74,903	42,642	18,952	7,967	6,309	8,101	21,542	633,339
9	Large HLF	17,053	21,083	23,832	22,569	21,134	18,966	16,331	14,397	13,180	13,048	13,191	14,260	209,044
10	Extra Large LLF	3,267	6,464	10,863	10,421	8,887	6,569	3,751	1,682	352	204	364	1,563	54,386
11	Extra Large HLF	10,464	5,556	11,802	11,062	11,109	11,179	11,264	11,327	11,399	11,404	11,398	11,354	129,319
12	Total Sales	1,621,637	2,962,145	4,668,170	4,497,543	3,869,298	2,899,229	1,721,774	860,026	473,936	419,850	476,163	943,610	25,413,381
13	TSS													
14	Small	1	820	0	0	0	0	0	0	0	0	0	0	820
15	Medium	1,651	2,542	0	0	0	0	0	0	0	0	0	0	4,193
16	Large LLF	1,104	2,207	0	0	0	0	0	0	0	0	0	0	3,311
17	Large HLF	360	986	0	0	0	0	0	0	0	0	0	0	1,346
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	0	0	0	0	0	0	0	0	0	0	9,670
21	Sales & TSS THROUGHPUT													
22	Residential Non-Heating	27,860	38,287	117,623	112,206	98,591	78,155	53,411	35,271	25,629	24,348	25,656	35,674	672,712
23	Residential Non-Heating Low Income	708	1,220	0	0	0	0	0	0	0	0	0	0	1,928
24	Residential Heating	1,105,743	2,028,011	3,373,630	3,252,058	2,798,847	2,097,234	1,245,874	622,889	333,615	289,355	335,174	684,134	18,166,565
25	Residential Heating Low Income	99,712	178,044	0	0	0	0	0	0	0	0	0	0	277,755
26	Small C&I	116,387	260,972	461,761	447,372	375,474	263,850	128,588	29,824	28	25	28	39,202	2,123,510
27	Medium C&I	203,978	355,596	544,595	522,834	453,810	348,373	219,911	125,684	81,767	75,158	82,250	135,881	3,149,837
28	Large LLF	39,221	72,481	124,063	119,020	101,449	74,903	42,642	18,952	7,967	6,309	8,101	21,542	636,650
29	Large HLF	17,413	22,069	23,832	22,569	21,134	18,966	16,331	14,397	13,180	13,048	13,191	14,260	210,390
30	Extra Large LLF	3,267	6,464	10,863	10,421	8,887	6,569	3,751	1,682	352	204	364	1,563	54,386
31	Extra Large HLF	10,464	5,556	11,802	11,062	11,109	11,179	11,264	11,327	11,399	11,404	11,398	11,354	129,319
32	Total Sales & TSS Throughput	1,624,752	2,968,700	4,668,170	4,497,543	3,869,298	2,899,229	1,721,774	860,026	473,936	419,850	476,163	943,610	25,423,051
33	FT-1 TRANSPORTATION													
55	FT-1 Small	0	0	0	0	0	0	0	0	0	0	0	0	0
34	FT-1 Medium	15,039	57,778	94,640	96,069	84,991	68,439	48,047	33,161	25,574	24,628	25,725	34,041	608,131
35	FT-1 Large LLF	30,674	85,561	151,423	154,729	132,058	99,364	59,631	30,454	16,732	14,706	16,896	33,323	825,550
36	FT-1 Large HLF	3,130	34,229	48,640	49,078	46,191	41,828	36,527	32,634	30,446	30,181	30,467	32,613	415,964
37	FT-1 Extra Large LLF	49,729	116,405	186,894	190,864	164,705	125,185	77,156	41,887	25,453	22,988	25,654	45,642	1,072,561
38	FT-1 Extra Large HLF	26,686	491,114	553,499	555,891	540,132	516,324	487,391	466,144	467,404	465,913	467,525	479,610	5,517,631
39	Default	1,315	5,384	0	0	0	0	0	0	0	0	0	0	6,699
40	Total FT-1 Transportation	126,573	790,470	1,035,096	1,046,631	968,076	851,141	708,752	604,279	565,609	558,416	566,267	625,227	8,446,537
41	FT-2 TRANSPORTATION													
42	FT-2 Small	5,763	12,400	18,388	18,779	16,201	12,307	7,573	4,097	2,464	2,218	2,484	4,476	107,149
43	FT-2 Medium	113,132	196,524	285,181	292,000	254,775	197,657	127,585	75,879	50,797	47,414	51,410	80,659	1,773,014
44	FT-2 Large LLF	90,345	164,245	198,514	203,066	173,940	128,404	73,063	32,586	13,358	10,469	13,659	37,191	1,138,841
45	FT-2 Large HLF	36,219	43,989	48,630	49,956	46,074	40,209	33,082	28,263	25,785	25,411	25,815	29,270	432,703
46	FT-2 Extra Large LLF	1,374	4,987	11,064	11,308	9,701	7,273	4,323	2,157	1,191	1,040	1,203	2,428	58,049
47	FT-2 Extra Large HLF	42,225	46,991	63,044	63,481	60,600	56,246	50,956	47,071	50,129	49,851	50,151	52,406	633,149
48	Total FT-2 Transportation	289,058	469,135	624,822	638,591	561,291	442,097	296,582	190,054	143,722	136,402	144,723	206,430	4,142,905
49	Total THROUGHPUT													
50	Residential Non-Heating	27,860	38,287	117,623	112,206	98,591	78,155	53,411	35,271	25,629	24,348	25,656	35,674	672,712
51	Residential Non-Heating Low Income	708	1,220	0	0	0	0	0	0	0	0	0	0	1,928
52	Residential Heating	1,105,743	2,028,011	3,373,630	3,252,058	2,798,847	2,097,234	1,245,874	622,889	333,615	289,355	335,174	684,134	18,166,565
53	Residential Heating Low Income	99,712	178,044	0	0	0	0	0	0	0	0	0	0	277,755
54 55	Small C&I Medium C&I	122,150	273,372	480,149	466,152	391,675	276,157	136,161	33,921	2,491	2,243	2,511	43,678	2,230,659
55 56	Large LLF	332,149 160,240	609,897 322,287	924,417 474,000	910,903 476 816	793,576 407,446	614,469 302,671	395,543 175,337	234,724 81,992	158,138 38,056	147,199 31,484	159,385 38,657	250,580 92,056	5,530,982 2,601,041
56 57	Large LLF Large HLF	56,763	322,287 100,288	474,000	476,816 121,603	407,446	302,671 101,004	175,337 85,940	81,992 75,294	38,056 69,410	51,484 68,640	38,657 69,473	92,056 76,143	2,601,041 1,059,058
57	Large HLF Extra Large LLF	56,763 54,369	100,288	208,821	212,593	113,399	139,027	85,940 85,231	75,294 45,726	69,410 26,996	68,640 24,231	69,473 27,220	49,633	1,059,058
58 59	Extra Large HLF	79,375	543,661	628,345	630,434	611,840	583,749	549,611	43,726 524,542	28,996 528,931	527,168	529,074	49,655 543,369	6,280,099
59 60	Default	1,315	5,384	028,545	030,434	011,840	585,749	549,611	524,542 0	528,951	527,168	529,074	545,569 0	6,699
61	Total Throughput	2,040,383	4,228,306	6,328,087	6,182,765	5,398,665	4,192,466	2,727,108	1,654,359	1,183,267	1,114,668	1,187,152	1,775,267	38,012,493
51	imougaput	2,010,000	.,220,500	0,020,007	0,102,705	2,270,000	.,1,2,700	2,727,100	1,007,007	1,105,207	.,,,000	1,107,102	1,775,207	00,012,770

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