

February 20, 2019

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4872 - Gas Cost Recovery (GCR) Filing
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, 2018 through October 31, 2019. Based on 3 months of actual data and 9 months of projected data, the projected deferred gas cost balance at the end of October 2019 is an under-recovery of approximately \$3.8 million (*see* attached Schedule 1, page 1). This calculation is based on the November 1, 2018 starting under-recovery balance of \$27.4 million² plus actual gas costs and gas cost revenue for November 2018 through January 2019, and projected gas costs and gas cost revenue for the period February 1, 2019 through October 31, 2019. The projected gas costs are updated to reflect the NYMEX strip as of February 8, 2019.

Details of this deferred balance report are provided in 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 2018 through January 2019, and projected gas costs for February 2019 through October 2019. Schedule 3 summarizes actual and projected gas cost revenue for November 1, 2018 through October 31, 2019. Schedule 4 shows the calculation of working capital. Schedule 5 presents the calculation of inventory finance charges. Schedule 6 presents customer class specific throughput.

The projected October 2019 deferred balance of \$3.8 million is a decrease of approximately \$0.3 million as compared to the projected deferred balance of \$4.1 million from last month's deferred balance report. The decrease in the projected deferred balance is due to a

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

² This amount represents the ending balance at October 31, 2018, as filed on November 20, 2018 in Docket No. 4719.

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decrease of \$0.9 million in actual gas costs, offset by a decrease of \$0.9 million in actual gas cost revenue for January 2019, and a decrease of \$0.3 million in forecasted gas costs for the period February 2019 through October 2019.

The projected October 2019 deferred balance of \$3.8 million represents a difference of 2.0 percent of National Grid's projected 2018-19 annual GCR revenues. This balance does not reflect an estimated \$1.6 million in incremental gas cost revenue that National Grid anticipates billing in February 2019 as a result of the lag in the customer billing cycle.³ The additional estimated billed revenue in February 2019 would reduce the deferred balance from \$3.8 million to \$2.2 million. The Company has not reflected the anticipated incremental revenue in the deferred balance shown in the deferred balance report pursuant to the Company's agreement with the Division of Public Utilities and Carriers in Docket No. 4719.⁴

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 4872 Service List
Christy Hetherington, Esq.
Al Mancini
John Bell

³ National Grid estimates the billing lag by comparing the actual/projected Unaccounted for Gas (UFG) of 7.3 percent for the period November 2018 through October 2019 with the actual UFG of 6.6 percent for the period November 2017 through October 2018. The Company assumes the difference between the two years' UFG is a result of the deferred balance report not reflecting the higher-than-forecasted January 2019 deliveries to be billed in the period February 2019 through October 2019. The estimated volume of gas deliveries that would eliminate this difference is 232,409 dekatherms, which, when applied to the GCR factor in effect during January 2019 (excluding the uncollectible gross up), results in an estimated incremental revenue of \$1.6 million.

⁴ See National Grid's Reply Comments dated October 23, 2017 in Docket No. 4719, at pages 2-3.

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

February 20, 2019
Date

Docket No. 4872 – National Grid – 2018 Annual Gas Cost Recovery Filing (GCR) - Service List as of 10/3/18

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Deferred Gas Cost Balances

	Description	Reference	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
			Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	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		\$6,650,788	\$5,634,774	\$3,714,630	(\$124,172)	(\$5,210,787)	(\$8,125,352)	(\$12,868,758)	(\$13,710,134)	(\$12,160,316)	(\$9,815,837)	(\$7,315,014)	(\$5,025,306)	\$6,650,788
(4)	Supply Fixed Costs (net of cap rel)	Sch. 2, line (32)	\$4,923,133	\$10,047,853	\$10,511,600	\$10,301,588	\$10,362,056	\$4,781,358	\$4,807,513	\$4,833,429	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$79,963,296
(5)	System Pressure to DAC (Reservation Chge - Crary St.)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(6)	Supply Related LNG O & M	Dkt 4770	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$829,823
(7)	NGPMP Credits		(\$333,333)	(\$333,333)	(\$273,380)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$3,940,047)
(8)	Working Capital	Sch. 4, line (15)	\$37,331	\$76,190	\$79,707	\$78,114	\$78,573	\$36,256	\$36,454	\$36,651	\$36,805	\$36,805	\$36,651	\$36,805	\$606,340
(9)	Total Supply Fixed Costs	Sum[(4):(8)]	\$4,696,283	\$9,859,862	\$10,387,079	\$10,115,521	\$10,176,448	\$4,553,433	\$4,579,786	\$4,605,898	\$4,626,402	\$4,626,402	\$4,605,898	\$4,626,402	\$77,459,412
(10)	Supply Fixed - Revenue	Sch. 3, line (13)	\$5,753,304	\$11,793,274	\$14,231,210	\$15,194,984	\$13,071,220	\$9,266,685	\$5,381,716	\$3,018,923	\$2,249,308	\$2,100,155	\$2,298,466	\$2,653,598	\$87,012,844
(11)	Monthly Under/(Over) Recovery	(9) - (10)	(\$1,057,022)	(\$1,933,412)	(\$3,844,131)	(\$5,079,463)	(\$2,894,772)	(\$4,713,252)	(\$801,930)	\$1,586,975	\$2,377,094	\$2,526,247	\$2,307,432	\$1,972,804	(\$9,553,431)
(12)	Prelim. Ending Under/(Over) Recovery	(3) + (11)	\$5,593,766	\$3,701,361	(\$129,500)	(\$5,203,635)	(\$8,105,560)	(\$12,838,604)	(\$13,670,688)	(\$12,123,159)	(\$9,783,222)	(\$7,289,590)	(\$5,007,582)	(\$3,052,502)	(\$2,902,644)
(13)	Month's Average Balance	[(3) + (12)] ÷ 2	\$6,122,277	\$4,668,068	\$1,792,565	(\$2,663,903)	(\$6,658,173)	(\$10,481,978)	(\$13,269,723)	(\$12,916,646)	(\$10,971,769)	(\$8,552,714)	(\$6,161,298)	(\$4,038,904)	
(14)	Interest Rate (BOA Prime minus 200 bps)		3.25%	3.35%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	
(15)	Interest Applied	[(13) x (14)] ÷ 365 x (1)	\$16,354	\$13,269	\$5,329	(\$7,152)	(\$19,792)	(\$30,154)	(\$39,446)	(\$37,157)	(\$32,615)	(\$25,424)	(\$17,724)	(\$12,006)	(\$186,519)
(16)	Marketer Reconciliation	Dkt 4872	\$24,654	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,654
(17)	FIXED ENDING UNDER/(OVER) RECOVERY	(12) + (15) + (16)	\$5,634,774	\$3,714,630	(\$124,172)	(\$5,210,787)	(\$8,125,352)	(\$12,868,758)	(\$13,710,134)	(\$12,160,316)	(\$9,815,837)	(\$7,315,014)	(\$5,025,306)	(\$3,064,508)	(\$3,064,508)
(18) II. Variable Cost Deferred															
(19)	Beginning Under/(Over) Recovery		\$20,784,017	\$24,523,145	\$23,595,737	\$25,064,563	\$21,750,830	\$17,190,937	\$11,556,611	\$8,451,479	\$7,191,452	\$6,497,519	\$6,018,736	\$5,625,900	\$20,784,017
(20)	Variable Supply Costs	Sch. 2, line (80)	\$12,431,758	\$13,230,810	\$18,730,672	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$90,076,553
(21)	Supply Related System Pressure to DAC		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(22)	Supply Related LNG O & M	Dkt 4770	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$25,187	\$302,244
(23)	Inventory Financing - LNG	Sch. 5, line (22)	\$26,024	\$27,743	\$23,261	\$4,365	\$3,648	\$8,329	\$13,130	\$17,823	\$18,259	\$17,765	\$22,488	\$22,492	\$205,328
(24)	Inventory Financing - UG	Sch. 5, line (12)	\$75,812	\$71,250	\$56,594	\$32,123	\$20,511	\$23,247	\$31,037	\$37,977	\$45,670	\$53,365	\$63,001	\$72,733	\$583,319
(25)	Working Capital	Sch. 4, line (30)	\$94,267	\$100,326	\$142,030	\$113,979	\$84,702	\$40,932	\$23,420	\$14,986	\$11,914	\$12,087	\$14,532	\$29,853	\$683,026
(26)	Total Supply Variable Costs	Sum[(20):(25)]	\$12,653,047	\$13,455,316	\$18,977,744	\$15,207,600	\$11,304,442	\$5,495,710	\$3,181,396	\$2,072,358	\$1,672,181	\$1,702,367	\$2,041,673	\$4,087,177	\$91,850,470
(27)	Supply Variable - Revenue	Sch. 3, line (30)	\$8,992,116	\$14,451,015	\$17,581,135	\$18,583,557	\$15,922,128	\$11,171,326	\$6,316,222	\$3,354,852	\$2,386,429	\$2,199,726	\$2,451,234	\$2,859,967	\$106,305,708
(28)	Monthly Under/(Over) Recovery	(26) - (27)	\$3,660,930	(\$995,699)	\$1,396,609	(\$3,376,497)	(\$4,617,686)	(\$5,675,616)	(\$3,134,826)	(\$1,282,494)	(\$714,248)	(\$497,359)	(\$409,561)	\$1,191,210	(\$14,455,238)
(29)	Prelim. Ending Under/(Over) Recovery	(19) + (28)	\$24,444,948	\$23,527,446	\$24,992,346	\$21,688,066	\$17,133,144	\$11,515,321	\$8,421,785	\$7,168,984	\$6,477,204	\$6,000,160	\$5,609,174	\$6,817,110	\$6,328,780
(30)	Month's Average Balance	[(19) + (29)] ÷ 2	\$22,614,483	\$24,025,296	\$24,294,042	\$23,376,314	\$19,441,987	\$14,353,129	\$9,989,198	\$7,810,232	\$6,834,328	\$6,248,840	\$5,813,955	\$6,221,505	
(31)	Interest Rate (BOA Prime minus 200 bps)		3.25%	3.35%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	
(32)	Interest Applied	[(30) x (31)] ÷ 365 x (1)	\$60,409	\$68,291	\$72,217	\$62,764	\$57,793	\$41,290	\$29,694	\$22,468	\$20,316	\$18,575	\$16,725	\$18,494	\$489,035
(33)	Gas Procurement Incentive/(penalty)		\$17,789	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,789
(34)	VARIABLE ENDING UNDER/(OVER) RECOVERY	(29) + (32) + (33)	\$24,523,145	\$23,595,737	\$25,064,563	\$21,750,830	\$17,190,937	\$11,556,611	\$8,451,479	\$7,191,452	\$6,497,519	\$6,018,736	\$5,625,900	\$6,835,604	\$6,835,604
(35) GCR Deferred Summary															
(36)	Beginning Under/(Over) Recovery	(3) + (19)	\$27,434,805	\$30,157,919	\$27,310,368	\$24,940,391	\$16,540,042	\$9,065,585	(\$1,312,147)	(\$5,258,655)	(\$4,968,864)	(\$3,318,318)	(\$1,296,278)	\$600,593	\$27,434,805
(37)	Gas Costs	Sum[(4):(6),(16),(20):(22)]	\$17,473,884	\$23,373,002	\$29,336,612	\$25,427,333	\$21,626,789	\$10,273,713	\$7,990,473	\$6,904,153	\$6,519,268	\$6,542,080	\$6,844,233	\$8,885,030	\$171,196,570
(38)	Inventory Finance	(23) + (24)	\$101,836	\$98,993	\$79,855	\$36,488	\$24,159	\$31,576	\$44,168	\$55,800	\$63,929	\$71,131	\$85,489	\$95,225	\$788,647
(39)	Working Capital	(8) + (25)	\$131,597	\$176,516	\$221,736	\$192,093	\$163,275	\$77,187	\$59,874	\$51,637	\$48,719	\$48,891	\$51,183	\$66,657	\$1,289,366
(40)	NGPMP Credits	(7)	(\$333,333)	(\$333,333)	(\$273,380)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$3,940,047)
(41)	Total Costs	Sum[(37):(40)]	\$17,373,984	\$23,315,177	\$29,364,823	\$25,322,581	\$21,480,890	\$10,049,143	\$7,761,182	\$6,678,256	\$6,298,582	\$6,328,769	\$6,647,571	\$8,713,579	\$169,334,537
(42)	Revenue	(10) + (27)	\$14,745,421	\$26,244,289	\$31,812,345	\$33,778,541	\$28,993,348	\$20,438,011	\$11,697,938	\$6,373,775	\$4,635,737	\$4,299,881	\$4,749,700	\$5,549,565	\$193,318,551
(43)	Monthly Under/(Over) Recovery	(41) - (42)	\$2,628,563	(\$2,929,111)	(\$2,447,522)	(\$8,455,960)	(\$7,512,458)	(\$10,388,868)	(\$3,936,756)	\$304,481	\$1,662,845	\$2,028,888	\$1,897,871	\$3,164,014	(\$23,984,015)
(44)	Prelim. Ending Under/(Over) Recovery	(36) + (43)	\$30,063,368	\$27,228,808	\$24,862,846	\$16,484,431	\$9,027,584	(\$1,323,283)	(\$5,248,903)	(\$4,954,174)	(\$3,306,019)	(\$1,289,430)	\$601,593	\$3,764,607	
(45)	Month's Average Balance	[(36) + (44)] ÷ 2	\$28,749,086	\$28,693,364	\$26,086,607	\$20,712,411	\$12,783,813	\$3,871,151	(\$3,280,525)	(\$5,106,415)	(\$4,137,441)	(\$2,303,874)	(\$347,343)	\$2,182,600	
(46)	Interest Rate (BOA Prime minus 200 bps)		3.25%	3.35%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	
(47)	Interest Applied	(15) + (32)	\$76,763	\$81,560	\$77,545	\$55,611	\$38,001	\$11,136	(\$9,752)	(\$14,690)	(\$12,299)	(\$6,849)	(\$999)	\$6,488	\$302,516
(48)	Gas Purchase Plan Incentives/(Penalties)	(33)	\$17,789	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,789
(49)	ENDING UNDER/(OVER) RECOVERY W/ INTEREST	(44) + (47) + (48)	\$30,157,919	\$27,310,368	\$24,940,391	\$16,540,042	\$9,065,585	(\$1,312,147)	(\$5,258,655)	(\$4,968,864)	(\$3,318,318)	(\$1,296,278)	\$600,593	\$3,771,095	\$3,771,095

Supply Estimates Actuals for Filing

	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	Nov-Oct
	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Description</u>	<u>Reference</u>												
(1) SUPPLY FIXED COSTS - Pipeline Delivery													
(2) Algonquin (includes East to West, Hubline, AMA credits, Crary Street)	\$1,696,807	\$1,674,252	\$1,690,450	\$1,442,764	\$1,442,764	\$1,442,764	\$1,442,764	\$1,489,030	\$1,489,030	\$1,489,030	\$1,489,030	\$1,489,030	\$18,277,714
(3) TETCO/Texas Eastern	\$717,174	\$717,275	\$717,276	\$717,176	\$717,176	\$717,176	\$717,176	\$717,176	\$717,176	\$717,176	\$717,176	\$717,176	\$8,606,311
(4) Tennessee	\$894,722	\$896,722	\$894,722	\$974,353	\$974,353	\$974,353	\$974,353	\$974,353	\$974,353	\$974,353	\$974,353	\$974,353	\$11,455,343
(5) Tennessee Dracut /Demand Everett	\$250,728	\$250,727	\$250,727	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$2,292,066
(6) Portland Natural Gas demand	\$279,513	\$214,107	\$250,100	\$225,897	\$250,100	\$242,033	\$250,100	\$242,033	\$250,100	\$250,100	\$242,033	\$250,100	\$2,946,216
(7) Iroquois	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$68,003
(8) Union	\$0	\$0	\$0	\$33,537	\$37,130	\$35,933	\$37,130	\$35,933	\$37,130	\$37,130	\$35,933	\$37,130	\$326,988
(9) Transcanada To East Hereford Demand	\$0	\$0	\$0	\$134,475	\$148,883	\$144,081	\$148,883	\$144,081	\$148,883	\$148,883	\$144,081	\$148,883	\$1,311,135
(10) Transcanada ToWaddington Demand	\$0	\$0	\$0	\$7,580	\$8,392	\$8,121	\$8,392	\$8,121	\$8,392	\$8,392	\$8,121	\$8,392	\$73,901
(11) Dominion	\$2,241	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$2,242	\$26,900
(12) Transcontinental demand	\$3,918	\$5,010	\$5,010	\$4,525	\$5,010	\$4,848	\$5,010	\$4,848	\$5,010	\$5,010	\$4,848	\$5,010	\$58,053
(13) Millenium demand	\$0	\$0	\$158,357	\$158,357	\$175,324	\$169,668	\$181,322	\$175,473	\$181,322	\$181,322	\$175,473	\$181,322	\$1,737,940
(14) Columbia	\$549,829	\$46,869	\$302,929	\$298,350	\$298,350	\$298,350	\$298,350	\$298,350	\$298,350	\$298,350	\$298,350	\$298,350	\$3,584,773
(15) Less Credits from Mkter Releases	(\$747,435)	(\$754,500)	(\$753,985)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$10,112,268)
(16) Supply Fixed - Supplier													
(17) Distrigas FCS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(18) TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(19) STORAGE FIXED COSTS - Facilities													
(20) Texas Eastern	\$85,062	\$84,887	\$84,844	\$95,237	\$95,237	\$95,237	\$95,237	\$95,237	\$95,237	\$95,237	\$95,237	\$95,237	\$1,111,924
(21) Dominion	\$83,089	\$83,089	\$83,089	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$997,063
(22) Tennessee	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$47,277	\$567,325
(23) 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
(24) National Grid LNG Tank Lease Payments	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$163,740	\$1,964,880
(25) STORAGE FIXED COSTS - Delivery													
(26) 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
(27) TETCO	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$87,618	\$1,051,415
(28) Tennessee	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$86,425	\$1,037,096
(29) Dominion	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$30,827	\$369,926
(30) Columbia	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$15,593	\$187,119
(31) Confidential Pipeline and Peaking Supplies	<u>\$445,208</u>	<u>\$6,164,895</u>	<u>\$6,163,561</u>	<u>\$6,163,561</u>	<u>\$6,163,561</u>	<u>\$603,019</u>	<u>\$29,321,914</u>						
(32) TOTAL FIXED COSTS	Sum[(2):(31)]	\$4,923,133	\$10,047,853	\$10,511,600	\$10,301,588	\$10,362,056	\$4,781,358	\$4,807,513	\$4,833,429	\$4,853,778	\$4,833,429	\$4,853,778	\$79,963,296

Supply Estimates Actuals for Filing

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Forecast</u> (d)	<u>Mar</u> <u>Forecast</u> (e)	<u>Apr</u> <u>Forecast</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	Nov-Oct (m)
<u>Description</u>	<u>Reference</u>													
(33) VARIABLE SUPPLY COSTS (Includes Injections)														
(34) Tennessee (Includes Niagara)					\$2,403,778	\$1,802,875	\$591,055	\$860,851	\$519,834	\$641,018	\$640,485	\$679,051	\$1,043,558	\$9,182,507
(35) TETCO (Includes B&W)					\$189,704	\$74,742	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$264,445
(36) TETCO Leidy					\$46,777	\$17,049	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,826
(37) M3 Delivered or TETCO M3					\$652,549	\$215,515	\$1,506,642	\$465,397	\$73,895	\$77,022	\$77,589	\$1,039,169	\$1,489,274	\$5,597,051
(38) Maumee					\$2,201,518	\$1,938,333	\$471,583	\$37,514	\$0	\$97,130	\$93,412	\$0	\$82,110	\$4,921,600
(39) Columbia Broadrun					\$791,377	\$680,040	\$130,862	\$0	\$0	\$4,025	\$8,077	\$0	\$0	\$1,614,381
(40) Columbia Eagle / Pennsburg					\$585,335	\$148,685	\$10,258	\$153,223	\$87,363	\$0	\$0	\$63,665	\$146,994	\$1,195,523
(41) TETCO M2					\$2,042,999	\$1,962,310	\$1,896,285	\$1,919,209	\$1,660,601	\$1,240,787	\$1,264,187	\$943,483	\$1,875,761	\$14,805,622
(42) Dominion South Point (Dominion to TETCO FTS)					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(43) Transco Leidy					\$105,154	\$63,636	\$5,526	\$4,481	\$5,426	\$5,724	\$5,742	\$5,261	\$5,536	\$206,486
(44) Dawn to Waddington					\$89,715	\$30,702	\$73,550	\$69,675	\$72,095	\$76,127	\$75,939	\$69,307	\$73,934	\$631,044
(45) Dawn to East Hereford					\$703,959	\$262,580	\$301,259	\$55,791	\$0	\$0	\$0	\$0	\$15,997	\$1,339,586
(46) Algonquin - AIM					\$367,602	\$78,217	\$31,118	\$2,967	\$0	\$0	\$0	\$0	\$11,396	\$491,299
(47) Millenium					\$719,832	\$668,556	\$627,733	\$596,007	\$547,289	\$555,257	\$555,461	\$527,819	\$613,350	\$5,411,302
(48) Confidential Pipeline and Peaking Supplies					\$707,205	\$81,979	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$789,184
(49) Total Pipeline Commodity Charges	Sum[(34):(48)]	\$11,562,101	\$15,603,099	\$16,352,169	\$11,607,503	\$8,025,219	\$5,645,871	\$4,165,115	\$2,966,502	\$2,697,090	\$2,720,891	\$3,327,755	\$5,357,910	\$90,031,225
(50) Hedging		(\$493,934)	(\$4,226,993)	(\$1,472,125)	\$375,126	\$952,091	\$85,456	\$33,145	\$4,850	(\$11,332)	(\$8,878)	\$1,357	(\$2,989)	(\$4,764,225)
(51) Refunds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(52) Less: Costs of Injections		\$0	\$0	\$0	\$0	\$0	(\$555,552)	(\$1,179,242)	(\$1,062,861)	(\$1,185,296)	(\$1,188,859)	(\$1,481,172)	(\$1,489,349)	(\$8,142,331)
(53) TOTAL VARIABLE SUPPLY COSTS	Sum[(49):(52)]	\$11,063,355	\$11,336,593	\$14,834,456	\$11,982,629	\$8,977,310	\$5,175,774	\$3,019,019	\$1,908,491	\$1,500,462	\$1,523,154	\$1,847,940	\$3,865,572	\$77,034,756
(54) Underground Storage		\$777,835	\$1,570,638	\$2,645,978	\$1,959,078	\$1,622,856	\$150,386	\$0	\$0	\$0	\$0	\$0	\$0	\$8,726,770
(55) LNG Withdrawals and Trucking		\$360,703	\$131,722	\$862,953	\$974,898	\$477,533	\$66,125	\$69,603	\$67,893	\$70,689	\$70,808	\$68,524	\$71,340	\$3,292,792
(56) Storage Delivery Costs		\$0	\$0	\$0	\$114,801	\$92,696	\$5,731	\$0	\$0	\$0	\$0	\$0	\$0	\$213,228
(57) TOTAL VARIABLE STORAGE COSTS	Sum[(54):(56)]	\$1,138,537	\$1,702,360	\$3,508,932	\$3,048,778	\$2,193,084	\$222,241	\$69,603	\$67,893	\$70,689	\$70,808	\$68,524	\$71,340	\$12,232,790
(58) TOTAL VARIABLE COSTS	(53) + (57)	\$12,201,893	\$13,038,953	\$18,343,387	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$89,267,546
(59) TOTAL SUPPLY COSTS	(32) + (58)	\$17,125,026	\$23,086,806	\$28,854,987	\$25,332,995	\$21,532,451	\$10,179,374	\$7,896,134	\$6,809,814	\$6,424,929	\$6,447,741	\$6,749,894	\$8,790,691	\$169,230,842

Supply Estimates Actuals for Filing

Description	Reference	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
		Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(60) Storage Costs for FT-2 Calculation														
(61) Storage Fixed Costs - Facilities		\$388,862	\$388,688	\$388,645	\$399,036	\$399,036	\$399,036	\$399,036	\$399,036	\$399,036	\$399,036	\$399,036	\$399,036	\$4,757,521
(62) Storage Fixed Costs - Deliveries		<u>\$832,774</u>	<u>\$6,552,498</u>	<u>\$6,552,498</u>	<u>\$6,552,498</u>	<u>\$6,552,498</u>	<u>\$991,956</u>	<u>\$33,986,456</u>						
(63) Sub-Total Storage Costs	Sum[(61):(62)]	\$1,221,636	\$6,941,186	\$6,941,143	\$6,951,534	\$6,951,534	\$1,390,992	\$1,390,992	\$1,390,992	\$1,390,992	\$1,390,992	\$1,390,992	\$1,390,992	\$38,743,977
(64) Tennessee Dracut for Peaking.		\$250,728	\$250,727	\$250,727	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$171,098	\$2,292,066
(65) Inventory Financing		\$101,836	\$98,993	\$79,855	\$36,488	\$24,159	\$31,576	\$44,168	\$55,800	\$63,929	\$71,131	\$85,489	\$95,225	\$788,647
(66) Supply Related LNG O&M Costs		\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$829,823
(67) Working Capital Requirement		<u>\$5,958</u>	<u>\$49,328</u>	<u>\$49,328</u>	<u>\$52,712</u>	<u>\$52,712</u>	<u>\$10,548</u>	<u>\$283,869</u>						
(68) TOTAL FT-2 STORAGE FIXED COSTS	Sum[(63):(67)]	\$1,649,309	\$7,409,386	\$7,390,205	\$7,280,983	\$7,268,655	\$1,673,365	\$1,685,957	\$1,697,589	\$1,705,719	\$1,712,921	\$1,727,279	\$1,737,015	\$42,938,383
(69) System Storage MDQ (Dth)		208,270	239,660	244,556	214,505	214,505	214,505	214,505	214,505	214,505	214,505	214,505	214,505	2,623,030
(70) FT-2 Storage Cost per MDQ (Dth)	(68) ÷ (69)	\$7.9191	\$30.9163	\$30.2189	\$33.9432	\$33.8857	\$7.8011	\$7.8598	\$7.9140	\$7.9519	\$7.9855	\$8.0524	\$8.0978	\$16.3698
(71) Pipeline Variable	(58)	\$12,201,893	\$13,038,953	\$18,343,387	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$89,267,546
(72) Less Non-firm Gas Costs		(\$68,259)	(\$337,805)	(\$500,059)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$906,123)
(73) Less Company Use		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(74) Less Manchester St Balancing		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(75) Plus Cashout		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(76) Less Mkter W/drawals/Injections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(77) Mkter Over-takes/Undertakes		\$102,149	\$433,324	\$692,983	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,228,456
(78) Plus Pipeline Srchg/Credit		\$241,824	\$97,250	\$106,714	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$445,787
(79) Less Mkter FT-2 Daily weather true-up		<u>(\$45,849)</u>	<u>(\$912)</u>	<u>\$87,647</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$40,886</u>
(80) TOTAL FIRM COMMODITY COSTS	Sum[(71):(79)]	\$12,431,758	\$13,230,810	\$18,730,672	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$90,076,553

GCR Revenue

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Forecast</u> (d)	<u>Mar</u> <u>Forecast</u> (e)	<u>Apr</u> <u>Forecast</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	Nov-Oct (m)
<u>Description</u>	<u>Reference</u>													
(1) I. Fixed Cost Revenue														
(2) (a) Low Load dth	Sch. 6, Sum[(24):(28), (30)]	1,967,849	3,623,285	4,395,055	4,773,326	4,088,946	2,852,669	1,592,600	831,436	585,836	537,645	599,734	714,361	26,562,741
(3) Fixed Cost Factor	(4) ÷ (2)	\$2.7598	\$3.0769	\$3.0864	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728
(4) Low Load Revenue		\$5,430,942	\$11,148,626	\$13,565,005	\$14,667,476	\$12,564,513	\$8,765,683	\$4,893,742	\$2,554,836	\$1,800,158	\$1,652,074	\$1,842,862	\$2,195,088	\$81,081,005
(5) (b) High Load dth	Sch. 6, Sum[(22), (23), (29), (31)]	68,252	94,250	97,195	72,957	63,281	60,627	54,566	43,454	36,505	36,007	39,507	40,859	707,460
(6) Fixed Cost Factor	(7) ÷ (5)	\$2.0215	\$2.1557	\$2.1528	\$2.1496	\$2.1496	\$2.1496	\$2.1496	\$2.1496	2.1496	2.1496	2.1496	2.1496	2.1496
(7) High Load Revenue		\$137,969	\$203,177	\$209,243	\$156,829	\$136,028	\$130,323	\$117,295	\$93,408	\$78,471	\$77,402	\$84,925	\$87,831	\$1,512,900
(8) Sub-total throughput Dth	(2) + (5)	2,036,101	3,717,535	4,492,250	4,846,283	4,152,227	2,913,296	1,647,166	874,890	622,341	573,652	639,241	755,220	27,270,202
(9) FT-2 Storage Revenue from marketers		\$181,030	\$438,529	\$456,099	\$370,679	\$370,679	\$370,679	\$370,679	\$370,679	\$370,679	\$370,679	\$370,679	\$370,679	\$4,411,769
(10) Manchester Steet Volumes (dth)	Monthly Meter Use	1,074	939	276	0	0	0	0	0	0	0	0	0	0
(11) Fixed cost factor (dth)	Inherent in approved GCR	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326	\$3.1326
(12) Manchester Street Revenue	(10) x (11)	\$3,365	\$2,942	\$863	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,170
(13) TOTAL FIXED REVENUE	(4) + (7) + (9) + (12)	\$5,753,304	\$11,793,274	\$14,231,210	\$15,194,984	\$13,071,220	\$9,266,685	\$5,381,716	\$3,018,923	\$2,249,308	\$2,100,155	\$2,298,466	\$2,653,598	\$87,012,844
(14) II. Variable Cost Revenue														
(15) (a) Firm Sales dth	(8)	2,036,101	3,717,535	4,492,250	4,846,283	4,152,227	2,913,296	1,647,166	874,890	622,341	573,652	639,241	755,220	27,270,202
(16) Variable Supply Cost Factor	(17) ÷ (15)	\$4.4243	\$3.8394	\$3.8514	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346
(17) Variable Supply Revenue		\$9,008,290	\$14,272,982	\$17,301,264	\$18,583,557	\$15,922,128	\$11,171,326	\$6,316,222	\$3,354,852	\$2,386,429	\$2,199,726	\$2,451,234	\$2,895,967	\$105,863,977
(18) (b) TSS Sales dth	Sch. 6, line (20)	4645	7989	12544										25178
(19) TSS Surcharge Factor	Company's website	\$0.0000	\$0.2530	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
(20) TSS Surcharge Revenue	(18) x (19)	\$0	\$2,021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,021
(21) (c) Default Sales dth	Sch. 6, line (60)	4,141	13,049	12,180	0	0	0	0	0	-	-	-	-	29,370
(22) Variable Supply Cost Factor	(23) ÷ (21)	\$6.73	\$11.68	\$23.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
(23) Variable Supply Revenue		\$27,868	\$152,391	\$286,217	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$466,476
(24) (d) Peaking Gas Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(25) (e) Deferred Responsibility		(\$48,241)	\$19,950	(\$7,423)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$35,714)
(26) (e) FT-1 Storage and Peaking														
(27) Manchester Steet Volumes (dth)	Monthly Meter Use	1,074	939	276	0	0	0	0	0	0	0	0	0	0
(28) Variable Supply Cost Factor (dth)	Inherent in approved GCR	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093	\$3.9093
(29) Manchester Street Revenue	(27) x (28)	\$4,199	\$3,671	\$1,077	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,947
(30) TOTAL VARIABLE REVENUE	(17)+(20)+(23)+(24)+(25)+(26)+(29)	\$8,992,116	\$14,451,015	\$17,581,135	\$18,583,557	\$15,922,128	\$11,171,326	\$6,316,222	\$3,354,852	\$2,386,429	\$2,199,726	\$2,451,234	\$2,895,967	\$106,305,708
(31) Total GAS COST REVENUE (w/o FT-2)	(13) + (30)	\$14,745,421	\$26,244,289	\$31,812,345	\$33,778,541	\$28,993,348	\$20,438,011	\$11,697,938	\$6,373,775	\$4,635,737	\$4,299,881	\$4,749,700	\$5,549,565	\$193,318,551

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>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov-Oct</u>
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Forecast</u>									
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Description</u>	<u>Reference</u>													
(1) Supply Fixed Costs	Sch. 1, line (4)	\$4,923,133	\$10,047,853	\$10,511,600	\$10,301,588	\$10,362,056	\$4,781,358	\$4,807,513	\$4,833,429	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$79,963,296
(2) Less System Pressure to DAC	Sch. 1, line (5)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(3) Plus: Supply Related LNG O&M Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4) Total Adjustments	(2) + (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(5) Allowable Working Capital Costs	(1) + (4)	\$4,923,133	\$10,047,853	\$10,511,600	\$10,301,588	\$10,362,056	\$4,781,358	\$4,807,513	\$4,833,429	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$79,963,296
(6) Number of Days Lag	Dkt 4770	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(7) Working Capital Requirement	[(5) x (6)] ÷ 365	\$444,026	\$906,234	\$948,060	\$929,119	\$934,572	\$431,239	\$433,598	\$435,936	\$437,771	\$437,771	\$435,936	\$437,771	
(8) Cost of Capital	Dkt 4770	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%
(9) Return on Working Capital Requirement	(7) x (8)	\$31,748	\$64,796	\$67,786	\$66,432	\$66,822	\$30,834	\$31,002	\$31,169	\$31,301	\$31,301	\$31,169	\$31,301	
(10) Cost of Debt (Long Term Debt + Short Term Debt)	Dkt 4770	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%
(11) Interest Expense	(7) x (10)	\$10,745	\$21,931	\$22,943	\$22,485	\$22,617	\$10,436	\$10,493	\$10,550	\$10,594	\$10,594	\$10,550	\$10,594	
(12) Taxable Income	(9) - (11)	\$21,002	\$42,865	\$44,843	\$43,947	\$44,205	\$20,398	\$20,509	\$20,620	\$20,707	\$20,707	\$20,620	\$20,707	
(13) 1 - Combined Tax Rate	Dkt 4770	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
(14) Return and Tax Requirement	(12) ÷ (13)	\$26,585	\$54,259	\$56,764	\$55,630	\$55,956	\$25,820	\$25,961	\$26,101	\$26,211	\$26,211	\$26,101	\$26,211	
(15) Supply Fixed Working Capital Requirement	(11) + (14)	\$37,331	\$76,190	\$79,707	\$78,114	\$78,573	\$36,256	\$36,454	\$36,651	\$36,805	\$36,805	\$36,651	\$36,805	\$606,340
(16) Supply Variable Costs	Sch. 1, line (20)	\$12,431,758	\$13,230,810	\$18,730,672	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$90,076,553
(17) Less: Bal. Related Syst. Pressure Commodity to DAC	Sch. 1, line (21)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(18) Plus: Supply Related LNG O&M Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(19) Total Adjustments	(17) + (18)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(20) Allowable Working Capital Costs	(16) + (19)	\$12,431,758	\$13,230,810	\$18,730,672	\$15,031,406	\$11,170,394	\$5,398,016	\$3,088,621	\$1,976,385	\$1,571,151	\$1,593,963	\$1,916,465	\$3,936,913	\$90,076,553
(21) Number of Days Lag	Dkt 4770	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92	32.92
(22) Working Capital Requirement	[(20) x (21)] ÷ 365	\$1,121,242	\$1,193,310	\$1,689,353	\$1,355,709	\$1,007,478	\$486,857	\$278,568	\$178,254	\$141,705	\$143,762	\$172,849	\$355,077	
(23) Cost of Capital	Dkt 4770	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%
(24) Return on Working Capital Requirement	(22) x (23)	\$80,169	\$85,322	\$120,789	\$96,933	\$72,035	\$34,810	\$19,918	\$12,745	\$10,132	\$10,279	\$12,359	\$25,388	
(25) Cost of Debt (Long Term Debt + Short Term Debt)	Dkt 4770	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%
(26) Interest Expense	(22) x (25)	\$27,134	\$28,878	\$40,882	\$32,808	\$24,381	\$11,782	\$6,741	\$4,314	\$3,429	\$3,479	\$4,183	\$8,593	
(27) Taxable Income	(24) - (26)	\$53,035	\$56,444	\$79,906	\$64,125	\$47,654	\$23,028	\$13,176	\$8,431	\$6,703	\$6,800	\$8,176	\$16,795	
(28) 1 - Combined Tax Rate	Dkt 4770	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
(29) Return and Tax Requirement	(27) ÷ (28)	\$67,133	\$71,448	\$101,147	\$81,171	\$60,321	\$29,150	\$16,679	\$10,673	\$8,484	\$8,608	\$10,349	\$21,260	
(30) Supply Variable Working Capital Requirement	(26) + (29)	\$94,267	\$100,326	\$142,030	\$113,979	\$84,702	\$40,932	\$23,420	\$14,986	\$11,914	\$12,087	\$14,532	\$29,853	\$683,026

INVENTORY FINANCE

		<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Forecast</u> (d)	<u>Mar</u> <u>Forecast</u> (e)	<u>Apr</u> <u>Forecast</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	<u>Nov-Oct</u> <u>Forecast</u> (m)
<u>Description</u>	<u>Reference</u>													
(1) Storage Inventory Balance		\$10,980,779	\$10,290,067	\$8,152,003	\$4,585,003	\$2,927,575	\$3,318,030	\$4,430,023	\$5,420,550	\$6,518,610	\$7,616,975	\$8,992,301	\$10,381,303	
(2) Monthly Storage Deferral/Amortization		<u>(\$160,013)</u>	<u>(\$120,422)</u>	<u>(\$74,233)</u>	<u>\$0</u>									
(3) Subtotal	(1) + (2)	\$10,820,767	\$10,169,645	\$8,077,770	\$4,585,003	\$2,927,575	\$3,318,030	\$4,430,023	\$5,420,550	\$6,518,610	\$7,616,975	\$8,992,301	\$10,381,303	
(4) Cost of Capital	Dkt 4770	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	
(5) Return on Working Capital Requirement	(3) x (4)	\$773,685	\$727,130	\$577,561	\$327,828	\$209,322	\$237,239	\$316,747	\$387,569	\$466,081	\$544,614	\$642,950	\$742,263	\$5,952,987
(6) Weighted Cost of Debt	Dkt 4770	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	
(7) Interest Charges Financed	(3) x (6)	\$261,863	\$246,105	\$195,482	\$110,957	\$70,847	\$80,296	\$107,207	\$131,177	\$157,750	\$184,331	\$217,614	\$251,228	\$2,014,857
(8) Taxable Income	(5) - (7)	\$511,822	\$481,024	\$382,079	\$216,871	\$138,474	\$156,943	\$209,540	\$256,392	\$308,330	\$360,283	\$425,336	\$491,036	
(9) 1 - Combined Tax Rate	Dkt 4770	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(10) Return on Tax Requirement	(8) ÷ (9)	\$647,876	\$608,891	\$483,644	\$274,520	\$175,284	\$198,662	\$265,241	\$324,547	\$390,291	\$456,054	\$538,400	\$621,564	\$4,984,974
(11) Working Capital Requirement	(7) + (10)	\$909,739	\$854,997	\$679,126	\$385,477	\$246,131	\$278,958	\$372,447	\$455,724	\$548,042	\$640,385	\$756,014	\$872,792	\$6,999,831
(12) Monthly Average	(11) ÷ 12	\$75,812	\$71,250	\$56,594	\$32,123	\$20,511	\$23,247	\$31,037	\$37,977	\$45,670	\$53,365	\$63,001	\$72,733	\$583,319
(13) LNG Inventory Balance		\$3,714,465	\$3,959,875	\$3,320,144	\$622,973	\$520,678	\$1,188,848	\$1,874,123	\$2,543,857	\$2,606,148	\$2,535,702	\$3,209,732	\$3,210,372	
(14) Cost of Capital	Dkt 4770	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	7.15%	
(15) Return on Working Capital Requirement	(13) x (14)	\$265,584	\$283,131	\$237,390	\$44,543	\$37,228	\$85,003	\$134,000	\$181,886	\$186,340	\$181,303	\$229,496	\$229,542	\$2,095,445
(16) Weighted Cost of Debt	Dkt 4770	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	
(17) Interest Charges Financed	(13) x (16)	\$89,890	\$95,829	\$80,347	\$15,076	\$12,600	\$28,770	\$45,354	\$61,561	\$63,069	\$61,364	\$77,676	\$77,691	\$709,227
(18) Taxable Income	(15) - (17)	\$175,694	\$187,302	\$157,043	\$29,467	\$24,628	\$56,233	\$88,646	\$120,324	\$123,271	\$119,939	\$151,820	\$151,851	
(19) 1 - Combined Tax Rate	Dkt 4770	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	
(20) Return and Tax Requirement	(18) ÷ (19)	\$222,398	\$237,091	\$198,788	\$37,300	\$31,175	\$71,180	\$112,210	\$152,309	\$156,039	\$151,821	\$192,178	\$192,216	\$1,754,705
(21) Working Capital Requirement	(17) + (20)	\$312,288	\$332,920	\$279,136	\$52,375	\$43,775	\$99,951	\$157,564	\$213,871	\$219,108	\$213,185	\$269,853	\$269,907	\$2,463,933
(22) Monthly Average	(21) ÷ 12	\$26,024	\$27,743	\$23,261	\$4,365	\$3,648	\$8,329	\$13,130	\$17,823	\$18,259	\$17,765	\$22,488	\$22,492	\$205,328
(23) TOTAL GCR Inventory Financing Costs	(12) + (22)	\$101,836	\$98,993	\$79,855	\$36,488	\$24,159	\$31,576	\$44,168	\$55,800	\$63,929	\$71,131	\$85,489	\$95,225	\$788,647

Actual Dth Usage for Filing

	<u>Nov</u> <u>Actual</u> (a)	<u>Dec</u> <u>Actual</u> (b)	<u>Jan</u> <u>Actual</u> (c)	<u>Feb</u> <u>Forecast</u> (d)	<u>Mar</u> <u>Forecast</u> (e)	<u>Apr</u> <u>Forecast</u> (f)	<u>May</u> <u>Forecast</u> (g)	<u>Jun</u> <u>Forecast</u> (h)	<u>Jul</u> <u>Forecast</u> (i)	<u>Aug</u> <u>Forecast</u> (j)	<u>Sep</u> <u>Forecast</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	<u>Nov-Oct</u> (m)
<u>THROUGHPUT (Dth)</u>													
Rate Class													
(1) SALES													
(2) Residential Non-Heating	28,624	44,208	51,962	40,666	38,648	37,807	26,709	21,502	16,823	16,284	17,571	16,077	356,879
(3) Residential Non-Heating Low Income	914	1,605	2,013	0	0	0	0	0	0	0	0	0	4,531
(4) Residential Heating	1,400,863	2,525,446	3,077,706	3,653,832	3,123,499	2,122,108	1,225,830	619,954	435,361	397,039	439,559	532,719	19,553,916
(5) Residential Heating Low Income	122,425	224,680	259,884	0	0	0	0	0	0	0	0	0	606,988
(6) Small C&I	155,155	324,135	401,172	454,861	389,113	258,015	116,773	65,276	40,925	36,380	48,446	52,987	2,343,238
(7) Medium C&I	238,873	446,128	523,894	526,512	452,808	383,665	197,339	125,789	98,066	94,334	97,543	110,966	3,295,917
(8) Large LLF	42,808	85,435	109,786	130,436	117,009	85,027	49,006	18,991	11,143	9,807	13,893	16,841	690,183
(9) Large HLF	24,988	35,430	32,075	27,637	23,504	22,820	19,033	15,521	13,976	13,402	16,077	16,190	260,655
(10) Extra Large LLF	3,443	10,432	11,894	7,685	6,516	3,854	3,652	1,426	342	84	293	847	50,468
(11) Extra Large HLF	<u>13,364</u>	<u>12,047</u>	<u>9,321</u>	<u>4,654</u>	<u>1,128</u>	<u>0</u>	<u>8,824</u>	<u>6,431</u>	<u>5,706</u>	<u>6,321</u>	<u>5,860</u>	<u>8,592</u>	<u>82,248</u>
(12) Total SALES	2,031,456	3,709,546	4,479,706	4,846,283	4,152,227	2,913,296	1,647,166	874,890	622,341	573,652	639,241	755,220	27,245,024
(13) TSS													
(14) Small	87	653	1,467	0	0	0	0	0	0	0	0	0	2,207
(15) Medium	3,405	5,698	7,429	0	0	0	0	0	0	0	0	0	16,531
(16) Large LLF	792	678	1,824	0	0	0	0	0	0	0	0	0	3,293
(17) Large HLF	362	960	1,825	0	0	0	0	0	0	0	0	0	3,147
(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	4,645	7,989	12,544	0	0	0	0	0	0	0	0	0	25,178
(21) Sales & TSS THROUGHPUT													
(22) Residential Non-Heating	28,624	44,208	51,962	40,666	38,648	37,807	26,709	21,502	16,823	16,284	17,571	16,077	356,879
(23) Residential Non-Heating Low Income	914	1,605	2,013	0	0	0	0	0	0	0	0	0	4,531
(24) Residential Heating	1,400,863	2,525,446	3,077,706	3,653,832	3,123,499	2,122,108	1,225,830	619,954	435,361	397,039	439,559	532,719	19,553,916
(25) Residential Heating Low Income	122,425	224,680	259,884	0	0	0	0	0	0	0	0	0	606,988
(26) Small C&I	155,242	324,788	402,639	454,861	389,113	258,015	116,773	65,276	40,925	36,380	48,446	52,987	2,345,445
(27) Medium C&I	242,277	451,826	531,323	526,512	452,808	383,665	197,339	125,789	98,066	94,334	97,543	110,966	3,312,449
(28) Large LLF	43,600	86,113	111,610	130,436	117,009	85,027	49,006	18,991	11,143	9,807	13,893	16,841	693,476
(29) Large HLF	25,350	36,391	33,899	27,637	23,504	22,820	19,033	15,521	13,976	13,402	16,077	16,190	263,801
(30) Extra Large LLF	3,443	10,432	11,894	7,685	6,516	3,854	3,652	1,426	342	84	293	847	50,468
(31) Extra Large HLF	<u>13,364</u>	<u>12,047</u>	<u>9,321</u>	<u>4,654</u>	<u>1,128</u>	<u>0</u>	<u>8,824</u>	<u>6,431</u>	<u>5,706</u>	<u>6,321</u>	<u>5,860</u>	<u>8,592</u>	<u>82,248</u>
(32) Total SALES & TSS THROUGHPUT	2,036,101	3,717,535	4,492,250	4,846,283	4,152,227	2,913,296	1,647,166	874,890	622,341	573,652	639,241	755,220	27,270,202
(33) FT-1 TRANSPORTATION													
(34) FT-1 Small	0	0	0	0	0	0	0	0	0	0	0	0	0
(35) FT-1 Medium	42,554	65,561	94,793	68,655	82,743	41,258	34,102	21,221	22,298	22,119	23,744	32,778	551,827
(36) FT-1 Large LLF	54,058	98,982	138,472	138,949	121,199	67,709	36,562	19,465	16,523	16,280	20,867	53,109	782,175
(37) FT-1 Large HLF	39,348	42,147	50,025	40,546	47,927	30,786	30,410	27,111	25,811	31,496	30,977	33,106	429,690
(38) FT-1 Extra Large LLF	85,429	156,894	206,744	179,326	154,557	94,461	61,364	26,669	21,513	20,840	28,967	80,402	1,117,166
(39) FT-1 Extra Large HLF	476,792	495,313	572,912	477,751	535,536	422,175	416,491	429,855	456,962	474,045	407,355	455,137	5,620,325
(40) Default	<u>4,141</u>	<u>13,049</u>	<u>12,180</u>	<u>0</u>	<u>29,370</u>								
(41) TOTAL FT-1 TRANSPORTATION	702,322	871,946	1,075,127	905,227	941,962	656,390	578,929	524,321	543,107	564,780	511,910	654,532	8,530,553
(42) FT-2 TRANSPORTATION													
(42) FT-2 Small	10,714	22,111	27,462	27,397	23,943	17,207	11,753	5,273	2,876	2,532	2,898	6,015	160,180
(43) FT-2 Medium	145,470	250,911	293,954	300,935	260,253	219,454	121,260	74,618	53,255	50,906	52,613	59,600	1,883,228
(44) FT-2 Large LLF	110,634	202,760	227,877	213,312	188,529	121,561	78,713	31,469	17,934	15,911	22,875	30,886	1,262,460
(45) FT-2 Large HLF	45,823	61,380	67,288	58,159	52,913	48,035	37,265	32,074	24,950	27,069	27,767	26,702	509,423
(46) FT-2 Extra Large LLF	2,108	4,630	4,957	3,124	2,586	1,767	1,440	381	198	74	102	504	21,871
(47) FT-2 Extra Large HLF	<u>43,568</u>	<u>48,106</u>	<u>49,008</u>	<u>46,769</u>	<u>62,019</u>	<u>53,644</u>	<u>50,197</u>	<u>49,684</u>	<u>36,755</u>	<u>43,099</u>	<u>38,115</u>	<u>42,707</u>	<u>563,670</u>
(48) TOTAL FT-2 TRANSPORTATION	358,317	589,897	670,545	649,696	590,242	461,667	300,628	193,498	135,967	139,590	144,370	166,413	4,400,832
(49) Total THROUGHPUT													
(50) Residential Non-Heating	28,624	44,208	51,962	40,666	38,648	37,807	26,709	21,502	16,823	16,284	17,571	16,077	356,879
(51) Residential Non-Heating Low Income	914	1,605	2,013	0	0	0	0	0	0	0	0	0	4,531
(52) Residential Heating	1,400,863	2,525,446	3,077,706	3,653,832	3,123,499	2,122,108	1,225,830	619,954	435,361	397,039	439,559	532,719	19,553,916
(53) Residential Heating Low Income	122,425	224,680	259,884	0	0	0	0	0	0	0	0	0	606,988
(54) Small C&I	165,956	346,898	430,101	482,258	413,056	275,222	128,526	70,548	43,801	38,912	51,344	59,002	2,505,625
(55) Medium C&I	430,301	768,298	920,070	896,102	795,805	644,377	352,701	221,628	173,618	167,358	173,900	203,345	5,747,503
(56) Large LLF	208,291	387,855	477,959	482,697	426,737	274,298	164,280	69,925	45,599	41,998	57,635	100,837	2,738,111
(57) Large HLF	110,521	139,917	151,212	126,342	124,344	101,641	86,709	74,706	64,738	71,967	74,820	75,997	1,202,915
(58) Extra Large LLF	90,980	171,955	223,594	190,135	163,660	100,082	66,456	28,476	22,053	20,999	29,362	81,753	1,189,505
(59) Extra Large HLF	533,724	555,466	631,242	529,174	598,683	475,819	475,511	485,970	499,423	523,465	451,331	506,436	6,266,243
(60) Default	<u>4,141</u>	<u>13,049</u>	<u>12,180</u>	<u>0</u>	<u>29,370</u>								
(61) TOTAL THROUGHPUT	3,096,740	5,179,377	6,237,922	6,401,206	5,684,431	4,031,353	2,526,723	1,592,708	1,301,416	1,278,022	1,295,522	1,576,166	40,201,586