

July 19, 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 eight months of actual data and four months of projected data, the projected deferred gas cost balance at the end of October 2019 is an over-recovery of approximately \$1.8 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 June 2019, and projected gas costs and gas cost revenue for July 2019 through October 2019. The projected gas costs are updated to reflect the NYMEX strip as of July 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 June 2019, and projected gas costs for July 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 over-recovery of \$1.8 million is an increase of approximately \$0.5 million in the projected deferred over-recovery balance as compared to the projected deferred over-recovery balance of \$1.3 million from last month's deferred balance report. The increase in the projected deferred over-recovery balance is due to an increase of \$0.4 million in actual gas costs, offset by an increase of \$0.7 million in actual gas cost revenue for June 2019, and a decrease of \$0.2 million in forecasted gas costs for the period July 2019 through October 2019.

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.

Luly E. Massaro, Commission Clerk
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The projected October 2019 deferred balance over-recovery of \$1.8 million represents a difference of 1.0 percent of the Company's projected 2018-19 annual GCR revenues, which does not exceed the 5 percent criteria established for evaluating whether the Company's GCR factor should be revised (*see* the Company's tariff, RIPUC NG-GAS No. 101, Section 2, Schedule A, Part 1.2).

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7288.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Jennifer B. Hutchinson", with a long horizontal flourish extending to the right.

Jennifer B. Hutchinson

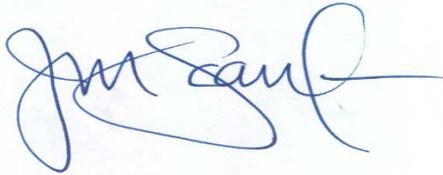
Enclosures

cc: Docket 4872 Service List
Leo Wold, Esq.
Al Mancini
John Bell

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

July 19, 2019
Date

Docket No. 4872 – National Grid – 2018 Annual Gas Cost Recovery Filing (GCR) - Service List as of 1/22/2019

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<p>File an original & nine (9) copies w/: Luly E. Massaro, Commission Clerk Margaret Hogan, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888</p>	<p>Luly.massaro@puc.ri.gov;</p>	<p>401-780-2107</p>
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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	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		\$6,650,788	\$5,634,774	\$3,714,630	(\$124,172)	(\$5,720,511)	(\$10,178,562)	(\$15,354,534)	(\$16,918,561)	(\$15,686,922)	(\$13,352,926)	(\$10,862,617)	(\$8,583,115)	\$6,650,788
(4)	Supply Fixed Costs (net of cap rel)	Sch. 2, line (32)	\$4,923,133	\$10,047,853	\$10,511,600	\$10,521,157	\$10,514,015	\$4,743,933	\$4,553,884	\$4,848,986	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$80,059,325
(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	\$223,335	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$984,006
(7)	NGPMP Credits		(\$333,333)	(\$333,333)	(\$273,380)	(\$333,333)	(\$1,094,057)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$4,700,770)
(8)	Working Capital	Sch. 4, line (15)	\$37,331	\$76,190	\$79,707	\$79,779	\$79,725	\$35,972	\$34,531	\$36,769	\$36,805	\$36,805	\$36,651	\$36,805	\$607,068
(9)	Total Supply Fixed Costs	Sum[(4):(8)]	\$4,696,283	\$9,859,862	\$10,387,079	\$10,336,755	\$9,723,018	\$4,515,723	\$4,324,233	\$4,621,573	\$4,626,402	\$4,626,402	\$4,605,898	\$4,626,402	\$76,949,630
(10)	Supply Fixed - Revenue	Sch. 3, line (13)	\$5,753,304	\$11,793,274	\$14,231,210	\$15,925,259	\$14,157,473	\$9,655,022	\$5,840,364	\$3,343,103	\$2,249,308	\$2,100,155	\$2,298,466	\$2,653,598	\$90,000,536
(11)	Monthly Under/(Over) Recovery	(9) - (10)	(\$1,057,022)	(\$1,933,412)	(\$3,844,131)	(\$5,588,504)	(\$4,434,455)	(\$5,139,299)	(\$1,516,131)	\$1,278,470	\$2,377,094	\$2,526,247	\$2,307,432	\$1,972,804	(\$13,050,907)
(12)	Prelim. Ending Under/(Over) Recovery	(3) + (11)	\$5,593,766	\$3,701,361	(\$129,500)	(\$5,712,676)	(\$10,154,966)	(\$15,317,861)	(\$16,870,665)	(\$15,640,091)	(\$13,309,828)	(\$10,826,679)	(\$8,555,185)	(\$6,610,311)	(\$6,400,119)
(13)	Month's Average Balance	[(3) + (12)] ÷ 2	\$6,122,277	\$4,668,068	\$1,792,565	(\$2,918,424)	(\$7,937,739)	(\$12,748,211)	(\$16,112,599)	(\$16,279,326)	(\$14,498,375)	(\$12,089,803)	(\$9,708,901)	(\$7,596,713)	
(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	(\$7,836)	(\$23,596)	(\$36,673)	(\$47,896)	(\$46,831)	(\$43,098)	(\$35,938)	(\$27,930)	(\$22,582)	(\$257,428)
(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)	(\$5,720,511)	(\$10,178,562)	(\$15,354,534)	(\$16,918,561)	(\$15,686,922)	(\$13,352,926)	(\$10,862,617)	(\$8,583,115)	(\$6,632,893)	(\$6,632,893)
(18) II. Variable Cost Deferred															
(19)	Beginning Under/(Over) Recovery		\$20,784,017	\$24,523,145	\$23,595,737	\$25,064,563	\$20,582,902	\$15,610,587	\$9,875,091	\$6,657,384	\$5,364,603	\$4,598,570	\$4,074,438	\$3,681,729	\$20,784,017
(20)	Variable Supply Costs	Sch. 2, line (80)	\$12,431,758	\$13,230,810	\$18,730,672	\$14,225,717	\$11,778,191	\$5,203,973	\$3,500,697	\$2,291,416	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$90,183,477
(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	\$24,764	\$26,386	\$25,905	\$26,524	\$26,234	\$18,259	\$17,765	\$22,488	\$22,492	\$287,846
(24)	Inventory Financing - UG	Sch. 5, line (12)	\$75,812	\$71,250	\$56,594	\$44,527	\$38,959	\$41,121	\$46,491	\$51,042	\$45,670	\$53,365	\$63,001	\$72,733	\$660,564
(25)	Working Capital	Sch. 4, line (30)	\$94,267	\$100,326	\$142,030	\$107,870	\$89,311	\$39,460	\$26,545	\$17,375	\$11,413	\$11,788	\$14,575	\$28,878	\$683,837
(26)	Total Supply Variable Costs	Sum[(20):(25)]	\$12,653,047	\$13,455,316	\$18,977,744	\$14,428,064	\$11,958,034	\$5,335,646	\$3,625,444	\$2,411,253	\$1,605,609	\$1,662,722	\$2,047,385	\$3,957,703	\$92,117,968
(27)	Supply Variable - Revenue	Sch. 3, line (30)	\$8,992,116	\$14,451,015	\$17,581,135	\$18,970,922	\$16,984,064	\$11,107,747	\$6,867,686	\$3,721,301	\$2,386,429	\$2,199,726	\$2,451,234	\$2,895,967	\$108,609,343
(28)	Monthly Under/(Over) Recovery	(26) - (27)	\$3,660,930	(\$995,699)	\$1,396,609	(\$4,542,858)	(\$5,026,030)	(\$5,772,102)	(\$3,242,242)	(\$1,310,048)	(\$780,820)	(\$537,004)	(\$403,849)	\$1,061,736	(\$16,491,376)
(29)	Prelim. Ending Under/(Over) Recovery	(19) + (28)	\$24,444,948	\$23,527,446	\$24,992,346	\$20,521,704	\$15,556,873	\$9,838,486	\$6,632,848	\$5,347,336	\$4,583,784	\$4,061,566	\$3,670,589	\$4,743,465	\$4,292,642
(30)	Month's Average Balance	[(19) + (29)] ÷ 2	\$22,614,483	\$24,025,296	\$24,294,042	\$22,793,133	\$18,069,888	\$12,724,537	\$8,253,969	\$6,002,360	\$4,974,194	\$4,330,068	\$3,872,514	\$4,212,597	
(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	\$61,198	\$53,715	\$36,605	\$24,536	\$17,267	\$14,786	\$12,872	\$11,140	\$12,522	\$445,557
(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	\$20,582,902	\$15,610,587	\$9,875,091	\$6,657,384	\$5,364,603	\$4,598,570	\$4,074,438	\$3,681,729	\$4,755,987	\$4,755,987
(35) GCR Deferred Summary															
(36)	Beginning Under/(Over) Recovery	(3) + (19)	\$27,434,805	\$30,157,919	\$27,310,368	\$24,940,391	\$14,862,391	\$5,432,025	(\$5,479,443)	(\$10,261,177)	(\$10,322,319)	(\$8,754,356)	(\$6,788,179)	(\$4,901,386)	\$27,434,805
(37)	Gas Costs	Sum[(4):(6),(16),(20):(22)]	\$17,473,884	\$23,373,002	\$29,336,612	\$24,841,213	\$22,540,728	\$10,042,244	\$8,148,919	\$7,234,741	\$6,453,198	\$6,502,734	\$6,849,902	\$8,756,530	\$171,553,706
(38)	Inventory Finance	(23) + (24)	\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$63,929	\$71,131	\$85,489	\$95,225	\$948,410
(39)	Working Capital	(8) + (25)	\$131,597	\$176,516	\$221,736	\$187,649	\$169,036	\$75,432	\$61,076	\$54,144	\$48,218	\$48,593	\$51,226	\$65,683	\$1,290,905
(40)	NGPMP Credits	(7)	(\$333,333)	(\$333,333)	(\$273,380)	(\$333,333)	(\$1,094,057)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$333,333)	(\$4,700,770)
(41)	Total Costs	Sum[(37):(40)]	\$17,373,984	\$23,315,177	\$29,364,823	\$24,764,818	\$21,681,052	\$9,851,369	\$7,949,677	\$7,032,827	\$6,232,011	\$6,289,124	\$6,653,283	\$8,584,104	\$169,092,252
(42)	Revenue	(10) + (27)	\$14,745,421	\$26,244,289	\$31,812,345	\$34,896,180	\$31,141,537	\$20,762,769	\$12,708,051	\$7,064,404	\$4,635,737	\$4,299,881	\$4,749,700	\$5,549,565	\$198,609,880
(43)	Monthly Under/(Over) Recovery	(41) - (42)	\$2,628,563	(\$2,929,111)	(\$2,447,522)	(\$10,131,362)	(\$9,460,484)	(\$10,911,400)	(\$4,758,373)	(\$31,578)	\$1,596,274	\$1,989,243	\$1,903,583	\$3,034,539	(\$29,517,629)
(44)	Prelim. Ending Under/(Over) Recovery	(36) + (43)	\$30,063,368	\$27,228,808	\$24,862,846	\$14,809,029	\$5,401,907	(\$5,479,375)	(\$10,237,816)	(\$10,292,755)	(\$8,726,044)	(\$6,765,113)	(\$4,884,596)	(\$1,866,846)	
(45)	Month's Average Balance	[(36) + (44)] ÷ 2	\$28,749,086	\$28,693,364	\$26,086,607	\$19,874,710	\$10,132,149	(\$23,675)	(\$7,858,630)	(\$10,276,966)	(\$9,524,181)	(\$7,579,734)	(\$5,836,388)	(\$3,384,116)	
(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	\$53,362	\$30,119	(\$68)	(\$23,361)	(\$29,564)	(\$28,312)	(\$23,067)	(\$16,790)	(\$10,060)	\$188,129
(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	\$14,862,391	\$5,432,025	(\$5,479,443)	(\$10,261,177)	(\$10,322,319)	(\$8,754,356)	(\$6,788,179)	(\$4,901,386)	(\$1,876,906)	(\$1,876,906)

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>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Actual</u> (g)	<u>Jun</u> <u>Actual</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) 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	\$1,641,927	\$1,635,945	\$1,631,029	\$1,634,710	\$1,678,815	\$1,489,030	\$1,489,030	\$1,489,030	\$1,489,030	\$19,240,055
(3) TETCO/Texas Eastern	\$717,174	\$717,275	\$717,276	\$724,008	\$724,007	\$724,007	\$724,007	\$1,091,052	\$717,176	\$717,176	\$717,176	\$717,176	\$9,007,513
(4) Tennessee	\$894,722	\$896,722	\$894,722	\$894,723	\$894,723	\$894,723	\$894,723	\$894,723	\$974,353	\$974,353	\$974,353	\$974,353	\$11,057,191
(5) Tennessee Dracut /Demand Everett	\$250,728	\$250,727	\$250,727	\$250,728	\$250,085	\$249,697	\$250,727	\$250,727	\$171,098	\$171,098	\$171,098	\$171,098	\$2,688,540
(6) Portland Natural Gas demand	\$279,513	\$214,107	\$250,100	\$225,897	\$251,804	\$242,033	\$250,100	\$242,033	\$250,100	\$250,100	\$242,033	\$250,100	\$2,947,920
(7) Iroquois	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,785	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$68,121
(8) Union	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,130	\$37,130	\$35,933	\$37,130	\$147,324
(9) Transcanada To East Hereford Demand	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$148,883	\$148,883	\$144,081	\$148,883	\$590,731
(10) Transcanada ToWaddington Demand	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,392	\$8,392	\$8,121	\$8,392	\$33,296
(11) Dominion	\$2,241	\$2,242	\$2,242	\$2,242	\$2,241	(\$28,586)	(\$28,586)	(\$28,586)	\$2,242	\$2,242	\$2,242	\$2,242	(\$65,581)
(12) Transcontinental demand	\$3,918	\$5,010	\$5,010	\$4,525	\$5,010	\$7,326	\$6,281	\$6,078	\$5,010	\$5,010	\$4,848	\$5,010	\$63,033
(13) Millenium demand	\$0	\$0	\$158,357	\$158,357	\$175,323	\$169,668	\$175,324	\$169,668	\$181,322	\$181,322	\$175,473	\$181,322	\$1,726,136
(14) Columbia	\$549,829	\$46,869	\$302,929	\$321,219	\$320,907	\$313,294	\$312,556	\$312,584	\$298,350	\$298,350	\$298,350	\$298,350	\$3,673,584
(15) Less Credits from Mkter Releases	(\$747,435)	(\$754,500)	(\$753,985)	(\$697,080)	(\$740,845)	(\$734,489)	(\$940,887)	(\$1,118,272)	(\$872,928)	(\$872,928)	(\$872,928)	(\$872,928)	(\$9,979,204)
(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	\$85,685	\$85,887	\$85,908	\$85,724	\$160,960	\$95,237	\$95,237	\$95,237	\$95,237	\$1,139,904
(21) Dominion	\$83,089	\$83,089	\$83,089	\$83,091	\$83,091	\$83,091	\$83,091	\$83,091	\$83,088	\$83,088	\$83,088	\$83,088	\$997,075
(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>\$443,837</u>	<u>\$443,837</u>	<u>\$443,837</u>	<u>\$603,019</u>	<u>\$603,019</u>	<u>\$603,019</u>	<u>\$603,019</u>	<u>\$28,844,368</u>
(32) TOTAL FIXED COSTS	Sum[(2):(31)]	\$4,923,133	\$10,047,853	\$10,511,600	\$10,521,157	\$10,514,015	\$4,743,933	\$4,553,884	\$4,848,986	\$4,853,778	\$4,853,778	\$4,833,429	\$80,059,325

Supply Estimates Actuals for Filing

Description	Reference	<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>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>								
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(33) VARIABLE SUPPLY COSTS (Includes Injections)														
(34) Tennessee (Includes Niagara)										\$503,574	\$540,820	\$566,190	\$861,604	\$2,472,188
(35) TETCO (Includes B&W)										\$0	\$0	\$0	\$0	\$0
(36) TETCO Leidy										\$0	\$0	\$0	\$0	\$0
(37) M3 Delivered or TETCO M3										\$62,258	\$66,934	\$879,086	\$1,260,194	\$2,268,471
(38) Maumee										\$80,922	\$82,671	\$0	\$71,319	\$234,913
(39) Columbia Broadrun										\$3,354	\$7,148	\$0	\$0	\$10,502
(40) Columbia Eagle / Pennsburg										\$0	\$0	\$53,940	\$124,568	\$178,508
(41) TETCO M2										\$1,030,703	\$1,103,812	\$796,655	\$1,583,632	\$4,514,803
(42) Dominion South Point (Dominion to TETCO FTS)										\$0	\$0	\$0	\$0	\$0
(43) Transco Leidy										\$4,843	\$4,895	\$4,411	\$4,657	\$18,805
(44) Dawn to Waddington										\$70,177	\$65,260	\$61,367	\$64,070	\$260,873
(45) Dawn to East Hereford										\$0	\$0	\$0	\$13,873	\$13,873
(46) Algonquin - AIM										\$0	\$0	\$0	\$9,635	\$9,635
(47) Millenium										\$441,574	\$475,311	\$440,783	\$506,218	\$1,863,887
(48) Confidential Pipeline and Peaking Supplies										\$0	\$0	\$0	\$0	\$0
(49) Total Pipeline Commodity Charges	Sum[(34):(48)]	\$11,562,101	\$15,603,099	\$16,352,169	\$10,555,794	\$10,006,138	\$4,490,089	\$2,862,848	\$1,718,278	\$2,197,404	\$2,346,851	\$2,802,431	\$4,499,771	\$84,996,974
(50) Hedging		(\$493,934)	(\$4,226,993)	(\$1,472,125)	\$374,586	\$241,118	(\$74,137)	\$225,058	\$124,957	\$202,283	\$162,449	\$298,594	\$489,795	(\$4,148,348)
(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	\$0	\$0	\$0	(\$965,698)	(\$1,025,427)	(\$1,247,352)	(\$1,250,810)	(\$4,489,287)
(53) TOTAL VARIABLE SUPPLY COSTS	Sum[(49):(52)]	\$11,063,355	\$11,336,593	\$14,834,456	\$10,889,863	\$10,214,766	\$4,423,507	\$3,024,543	\$1,799,754	\$1,433,989	\$1,483,873	\$1,853,673	\$3,738,756	\$76,097,129
(54) Underground Storage		\$777,835	\$1,570,638	\$2,645,978	\$2,217,253	\$1,401,131	\$413,072	\$281,470	\$240,870	\$0	\$0	\$0	\$0	\$9,548,247
(55) LNG Withdrawals and Trucking		\$360,703	\$131,722	\$862,953	\$249,826	\$186,423	\$89,568	\$94,154	\$80,144	\$71,091	\$70,743	\$68,461	\$69,657	\$2,335,445
(56) Storage Delivery Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(57) TOTAL VARIABLE STORAGE COSTS	Sum[(54):(56)]	\$1,138,537	\$1,702,360	\$3,508,932	\$2,467,079	\$1,587,555	\$502,640	\$375,624	\$321,014	\$71,091	\$70,743	\$68,461	\$69,657	\$11,883,693
(58) TOTAL VARIABLE COSTS	(53) + (57)	\$12,201,893	\$13,038,953	\$18,343,387	\$13,356,942	\$11,802,321	\$4,926,147	\$3,400,167	\$2,120,768	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$87,980,822
(59) TOTAL SUPPLY COSTS	(32) + (58)	\$17,125,026	\$23,086,806	\$28,854,987	\$23,878,099	\$22,316,336	\$9,670,079	\$7,954,051	\$6,969,754	\$6,358,859	\$6,408,395	\$6,755,563	\$8,662,191	\$168,040,147

Supply Estimates Actuals for Filing

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	
		(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	\$389,486	\$389,689	\$389,710	\$389,526	\$464,762	\$399,036	\$399,036	\$399,036	\$399,036	\$4,785,513
(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>\$991,956</u>	<u>\$991,956</u>	<u>\$991,956</u>	<u>\$991,956</u>	<u>\$991,956</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	\$6,941,984	\$6,942,187	\$1,381,666	\$1,381,482	\$1,456,717	\$1,390,992	\$1,390,992	\$1,390,992	\$1,390,992	\$38,771,969
(64) Tennessee Dracut for Peaking.		\$250,728	\$250,727	\$250,727	\$250,728	\$250,085	\$249,697	\$250,727	\$250,727	\$171,098	\$171,098	\$171,098	\$171,098	\$2,688,540
(65) Inventory Financing		\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$63,929	\$71,131	\$85,489	\$95,225	\$948,410
(66) Supply Related LNG O&M Costs		\$69,152	\$69,152	\$69,152	\$69,152	\$223,335	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$69,152	\$984,006
(67) Working Capital Requirement		<u>\$5,958</u>	<u>\$49,328</u>	<u>\$49,328</u>	<u>\$49,334</u>	<u>\$49,335</u>	<u>\$5,964</u>	<u>\$5,963</u>	<u>\$6,534</u>	<u>\$10,548</u>	<u>\$10,548</u>	<u>\$10,548</u>	<u>\$10,548</u>	<u>\$263,934</u>
(68) TOTAL FT-2 STORAGE FIXED COSTS	Sum[(63):(67)]	\$1,649,309	\$7,409,386	\$7,390,205	\$7,380,488	\$7,530,288	\$1,773,505	\$1,780,340	\$1,860,406	\$1,705,719	\$1,712,921	\$1,727,279	\$1,737,015	\$43,656,859
(69) System Storage MDQ (Dth)		208,270	239,660	244,556	244,754	244,515	243,574	243,814	246,251	214,505	214,505	214,505	214,505	2,773,412
(70) FT-2 Storage Cost per MDQ (Dth)	(68) ÷ (69)	\$7.9191	\$30.9163	\$30.2189	\$30.1547	\$30.7968	\$7.2812	\$7.3021	\$7.5549	\$7.9519	\$7.9855	\$8.0524	\$8.0978	\$15.7412
(71) Pipeline Variable	(58)	\$12,201,893	\$13,038,953	\$18,343,387	\$13,356,942	\$11,802,321	\$4,926,147	\$3,400,167	\$2,120,768	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$87,980,822
(72) Less Non-firm Gas Costs		(\$68,259)	(\$337,805)	(\$500,059)	(\$39,023)	(\$121,613)	(\$103,733)	(\$62,470)	(\$20,233)	\$0	\$0	\$0	\$0	(\$1,253,196)
(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	\$841,872	\$6,299	\$263,270	\$77,801	\$107,175	\$0	\$0	\$0	\$0	\$2,524,874
(78) Plus Pipeline Srchg/Credit		\$241,824	\$97,250	\$106,714	\$102,850	\$93,777	\$102,145	\$98,476	\$109,263	\$0	\$0	\$0	\$0	\$952,299
(79) Less Mkter FT-2 Daily weather true-up		<u>(\$45,849)</u>	<u>(\$912)</u>	<u>\$87,647</u>	<u>(\$36,924)</u>	<u>(\$2,593)</u>	<u>\$16,144</u>	<u>(\$13,278)</u>	<u>(\$25,557)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>(\$21,322)</u>
(80) TOTAL FIRM COMMODITY COSTS	Sum[(71):(79)]	\$12,431,758	\$13,230,810	\$18,730,672	\$14,225,717	\$11,778,191	\$5,203,973	\$3,500,697	\$2,291,416	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$90,183,477

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>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Actual</u> (g)	<u>Jun</u> <u>Actual</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	4,838,129	4,321,115	2,813,404	1,720,635	917,416	585,836	537,645	599,734	714,361	27,034,463
(3) Fixed Cost Factor	(4) ÷ (2)	\$2.7598	\$3.0769	\$3.0864	\$3.0730	\$3.0729	\$3.0737	\$3.0737	\$3.0719	\$3.0728	\$3.0728	\$3.0728	\$3.0728	\$3.0728
(4) Low Load Revenue		\$5,430,942	\$11,148,626	\$13,565,005	\$14,867,411	\$13,278,328	\$8,647,655	\$5,288,761	\$2,818,183	\$1,800,158	\$1,652,074	\$1,842,862	\$2,195,088	\$82,535,093
(5) (b) High Load dth	Sch. 6, Sum[(22), (23), (29), (31)]	68,252	94,250	97,195	103,754	95,622	74,397	62,942	51,176	36,505	36,007	39,507	40,859	800,466
(6) Fixed Cost Factor	(7) ÷ (5)	\$2.0215	\$2.1557	\$2.1528	\$2.1496	\$2.1991	\$2.1496	\$2.1496	\$2.1494	2.1496	2.1496	2.1496	2.1496	2.1496
(7) High Load Revenue		\$137,969	\$203,177	\$209,243	\$223,034	\$210,285	\$159,923	\$135,298	\$109,998	\$78,471	\$77,402	\$84,925	\$87,831	\$1,717,554
(8) Sub-total throughput Dth	(2) + (5)	2,036,101	3,717,535	4,492,250	4,941,883	4,416,737	2,887,801	1,783,577	968,591	622,341	573,652	639,241	755,220	27,834,929
(9) FT-2 Storage Revenue from marketers		\$181,030	\$438,529	\$456,099	\$834,523	\$667,640	\$844,065	\$413,085	\$412,181	\$370,679	\$370,679	\$370,679	\$370,679	\$5,729,868
(10) Manchester Steet Volumes (dth)	Monthly Meter Use	1,074	939	276	93	390	1,079	1,028	875	0	0	0	0	5,753
(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	\$291	\$1,220	\$3,379	\$3,221	\$2,741	\$0	\$0	\$0	\$0	\$18,022
(13) TOTAL FIXED REVENUE	(4) + (7) + (9) + (12)	\$5,753,304	\$11,793,274	\$14,231,210	\$15,925,259	\$14,157,473	\$9,655,022	\$5,840,364	\$3,343,103	\$2,249,308	\$2,100,155	\$2,298,466	\$2,653,598	\$90,000,536
(14) II. Variable Cost Revenue														
(15) (a) Firm Sales dth	(8)	2,036,101	3,717,535	4,492,250	4,941,883	4,416,737	2,887,801	1,783,577	968,591	622,341	573,652	639,241	755,220	27,834,929
(16) Variable Supply Cost Factor	(17) ÷ (15)	\$4.4243	\$3.8394	\$3.8514	\$3.8348	\$3.8366	\$3.8357	\$3.8357	\$3.8335	\$3.8346	\$3.8346	\$3.8346	\$3.8346	\$3.8346
(17) Variable Supply Revenue		\$9,008,290	\$14,272,982	\$17,301,264	\$18,951,160	\$16,945,374	\$11,076,839	\$6,841,288	\$3,713,081	\$2,386,429	\$2,199,726	\$2,451,234	\$2,895,967	\$108,043,634
(18) (b) TSS Sales dth	Sch. 6, line (20)	4,645	7,989	12,544	18,021	22,110	14,314	9,263	805	\$0.0000	\$0.0000	\$0.0000	\$0.0000	89,692
(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	9,490	4,628	8,174	2,697	424	-	-	-	-	54,782
(22) Variable Supply Cost Factor	(23) ÷ (21)	\$6.73	\$11.68	\$23.50	\$10.64	\$7.62	\$3.17	\$6.91	\$6.91	\$0.00	\$0.00	\$0.00	\$0.00	\$650,212
(23) Variable Supply Revenue		\$27,868	\$152,391	\$286,217	\$101,016	\$35,265	\$25,900	\$18,627	\$2,928	\$0	\$0	\$0	\$0	\$650,212
(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)	(\$81,618)	\$1,903	\$792	\$3,752	\$1,873	\$0	\$0	\$0	\$0	(\$109,013)
(26) (e) FT-1 Storage and Peaking														
(27) Manchester Steet Volumes (dth)	Monthly Meter Use	1,074	939	276	93	390	1,079	1,028	875	0	0	0	0	5,753
(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	\$364	\$1,523	\$4,217	\$4,020	\$3,420	\$0	\$0	\$0	\$0	\$22,490
(30) TOTAL VARIABLE REVENUE	(17)+(20)+(23)+(24)+(25)+(26)+(29)	\$8,992,116	\$14,451,015	\$17,581,135	\$18,970,922	\$16,984,064	\$11,107,747	\$6,867,686	\$3,721,301	\$2,386,429	\$2,199,726	\$2,451,234	\$2,895,967	\$108,609,343
(31) Total GAS COST REVENUE (w/o FT-2)	(13) + (30)	\$14,745,421	\$26,244,289	\$31,812,345	\$34,896,180	\$31,141,537	\$20,762,769	\$12,708,051	\$7,064,404	\$4,635,737	\$4,299,881	\$4,749,700	\$5,549,565	\$198,609,880

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

Description	Reference	<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>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>	<u>Forecast</u>								
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(1) Supply Fixed Costs	Sch. 1, line (4)	\$4,923,133	\$10,047,853	\$10,511,600	\$10,521,157	\$10,514,015	\$4,743,933	\$4,553,884	\$4,848,986	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$80,059,325
(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	\$10,521,157	\$10,514,015	\$4,743,933	\$4,553,884	\$4,848,986	\$4,853,778	\$4,853,778	\$4,833,429	\$4,853,778	\$80,059,325
(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	\$948,922	\$948,278	\$427,864	\$410,723	\$437,339	\$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	\$67,848	\$67,802	\$30,592	\$29,367	\$31,270	\$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	\$22,964	\$22,948	\$10,354	\$9,939	\$10,584	\$10,594	\$10,594	\$10,550	\$10,594	
(12) Taxable Income	(9) - (11)	\$21,002	\$42,865	\$44,843	\$44,884	\$44,854	\$20,238	\$19,427	\$20,686	\$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	\$56,815	\$56,777	\$25,618	\$24,591	\$26,185	\$26,211	\$26,211	\$26,101	\$26,211	
(15) Supply Fixed Working Capital Requirement	(11) + (14)	\$37,331	\$76,190	\$79,707	\$79,779	\$79,725	\$35,972	\$34,531	\$36,769	\$36,805	\$36,805	\$36,651	\$36,805	\$607,068
(16) Supply Variable Costs	Sch. 1, line (20)	\$12,431,758	\$13,230,810	\$18,730,672	\$14,225,717	\$11,778,191	\$5,203,973	\$3,500,697	\$2,291,416	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$90,183,477
(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	\$14,225,717	\$11,778,191	\$5,203,973	\$3,500,697	\$2,291,416	\$1,505,081	\$1,554,616	\$1,922,134	\$3,808,412	\$90,183,477
(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	\$1,283,043	\$1,062,296	\$469,356	\$315,734	\$206,667	\$135,746	\$140,214	\$173,361	\$343,488	
(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	\$91,738	\$75,954	\$33,559	\$22,575	\$14,777	\$9,706	\$10,025	\$12,395	\$24,559	
(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	\$31,050	\$25,708	\$11,358	\$7,641	\$5,001	\$3,285	\$3,393	\$4,195	\$8,312	
(27) Taxable Income	(24) - (26)	\$53,035	\$56,444	\$79,906	\$60,688	\$50,247	\$22,201	\$14,934	\$9,775	\$6,421	\$6,632	\$8,200	\$16,247	
(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	\$76,820	\$63,603	\$28,102	\$18,904	\$12,374	\$8,128	\$8,395	\$10,380	\$20,566	
(30) Supply Variable Working Capital Requirement	(26) + (29)	\$94,267	\$100,326	\$142,030	\$107,870	\$89,311	\$39,460	\$26,545	\$17,375	\$11,413	\$11,788	\$14,575	\$28,878	\$683,837

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>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Actual</u> (g)	<u>Jun</u> <u>Actual</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	\$6,388,367	\$5,560,743	\$5,876,579	\$6,579,416	\$7,184,108	\$6,518,610	\$7,616,975	\$8,992,301	\$10,381,303	
(2) Monthly Storage Deferral/Amortization		(\$160,013)	(\$120,422)	(\$74,233)	(\$32,992)	\$1	(\$7,294)	\$56,425	\$101,196	\$0	\$0	\$0	\$0	
(3) Subtotal	(1) + (2)	\$10,820,767	\$10,169,645	\$8,077,770	\$6,355,375	\$5,560,744	\$5,869,285	\$6,635,842	\$7,285,305	\$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	\$454,409	\$397,593	\$419,654	\$474,463	\$520,899	\$466,081	\$544,614	\$642,950	\$742,263	\$6,741,300
(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	\$153,800	\$134,570	\$142,037	\$160,587	\$176,304	\$157,750	\$184,331	\$217,614	\$251,228	\$2,281,671
(8) Taxable Income	(5) - (7)	\$511,822	\$481,024	\$382,079	\$300,609	\$263,023	\$277,617	\$313,875	\$344,595	\$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	\$380,518	\$332,941	\$351,414	\$397,311	\$436,196	\$390,291	\$456,054	\$538,400	\$621,564	\$5,645,101
(11) Working Capital Requirement	(7) + (10)	\$909,739	\$854,997	\$679,126	\$534,318	\$467,511	\$493,451	\$557,898	\$612,500	\$548,042	\$640,385	\$756,014	\$872,792	\$7,926,772
(12) Monthly Average	(11) ÷ 12	\$75,812	\$71,250	\$56,594	\$44,527	\$38,959	\$41,121	\$46,491	\$51,042	\$45,670	\$53,365	\$63,001	\$72,733	\$660,564
(13) LNG Inventory Balance		\$3,714,465	\$3,959,875	\$3,320,144	\$3,534,582	\$3,766,155	\$3,697,445	\$3,785,860	\$3,744,415	\$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	\$252,723	\$269,280	\$264,367	\$270,689	\$267,726	\$186,340	\$181,303	\$229,496	\$229,542	\$2,937,570
(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	\$85,537	\$91,141	\$89,478	\$91,618	\$90,615	\$63,069	\$61,364	\$77,676	\$77,691	\$994,254
(18) Taxable Income	(15) - (17)	\$175,694	\$187,302	\$157,043	\$167,186	\$178,139	\$174,889	\$179,071	\$177,111	\$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	\$211,628	\$225,493	\$221,379	\$226,672	\$224,191	\$156,039	\$151,821	\$192,178	\$192,216	\$2,459,893
(21) Working Capital Requirement	(17) + (20)	\$312,288	\$332,920	\$279,136	\$297,164	\$316,634	\$310,857	\$318,290	\$314,806	\$219,108	\$213,185	\$269,853	\$269,907	\$3,454,148
(22) Monthly Average	(21) ÷ 12	\$26,024	\$27,743	\$23,261	\$24,764	\$26,386	\$25,905	\$26,524	\$26,234	\$18,259	\$17,765	\$22,488	\$22,492	\$287,846
(23) TOTAL GCR Inventory Financing Costs	(12) + (22)	\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$63,929	\$71,131	\$85,489	\$95,225	\$948,410

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>Actual</u> (d)	<u>Mar</u> <u>Actual</u> (e)	<u>Apr</u> <u>Actual</u> (f)	<u>May</u> <u>Actual</u> (g)	<u>Jun</u> <u>Actual</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)
THROUGHPUT (Dth)													
Rate Class													
(1) SALES													
(2) Residential Non-Heating	28,624	44,208	51,962	56,127	48,978	38,587	29,538	22,499	16,823	16,284	17,571	16,077	387,277
(3) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	0	0	0	0	13,674
(4) Residential Heating	1,400,863	2,525,446	3,077,706	3,353,125	2,973,585	1,925,301	1,183,145	628,685	435,361	397,039	439,559	532,719	18,872,533
(5) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	0	0	0	0	1,543,819
(6) Small C&I	155,155	324,135	401,172	469,574	406,681	239,545	133,765	65,323	40,925	36,380	48,446	52,987	2,374,087
(7) Medium C&I	238,873	446,128	523,894	568,178	521,885	364,912	236,012	138,807	98,066	94,334	97,543	110,966	3,439,597
(8) Large LLF	42,808	85,435	109,786	123,101	112,566	77,149	38,697	15,714	9,807	11,143	13,893	16,841	656,941
(9) Large HLF	24,988	35,430	32,075	36,915	35,527	28,275	24,804	20,577	13,976	13,402	16,077	16,190	298,236
(10) Extra Large LLF	3,443	10,432	11,894	12,332	11,857	8,809	4,369	2,205	342	84	293	847	66,907
(11) Extra Large HLF	<u>13,364</u>	<u>12,047</u>	<u>9,321</u>	<u>6,607</u>	<u>6,774</u>	<u>4,356</u>	<u>6,094</u>	<u>7,124</u>	<u>5,706</u>	<u>6,321</u>	<u>5,860</u>	<u>8,592</u>	<u>92,166</u>
(12) Total SALES	2,031,456	3,709,546	4,479,706	4,923,862	4,394,626	2,873,487	1,774,313	967,786	622,341	573,652	639,241	755,220	27,745,237
(13) TSS													
(14) Small	87	653	1,467	2,927	2,826	1,296	511	180	0	0	0	0	9,947
(15) Medium	3,405	5,698	7,429	12,211	16,374	10,781	6,711	523	0	0	0	0	63,132
(16) Large LLF	792	678	1,824	1,120	1,126	917	943	102	0	0	0	0	7,500
(17) Large HLF	362	960	1,825	1,763	1,784	1,321	1,099	0	0	0	0	0	9,113
(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	18,021	22,110	14,314	9,263	805	0	0	0	0	89,692
(21) Sales & TSS THROUGHPUT													
(22) Residential Non-Heating	28,624	44,208	51,962	56,127	48,978	38,587	29,538	22,499	16,823	16,284	17,571	16,077	387,277
(23) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	0	0	0	0	13,674
(24) Residential Heating	1,400,863	2,525,446	3,077,706	3,353,125	2,973,585	1,925,301	1,183,145	628,685	435,361	397,039	439,559	532,719	18,872,533
(25) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	0	0	0	0	1,543,819
(26) Small C&I	155,242	324,788	402,639	472,501	409,507	240,840	134,276	65,503	40,925	36,380	48,446	52,987	2,384,034
(27) Medium C&I	242,277	451,826	531,323	580,388	538,259	375,693	242,723	139,330	98,066	94,334	97,543	110,966	3,502,729
(28) Large LLF	43,600	86,113	111,610	124,222	113,693	78,066	39,640	15,815	9,807	11,143	13,893	16,841	664,442
(29) Large HLF	25,350	36,391	33,899	38,678	37,311	29,596	25,903	20,577	13,976	13,402	16,077	16,190	307,349
(30) Extra Large LLF	3,443	10,432	11,894	12,332	11,857	8,809	4,369	2,205	342	84	293	847	66,907
(31) Extra Large HLF	<u>13,364</u>	<u>12,047</u>	<u>9,321</u>	<u>6,607</u>	<u>6,774</u>	<u>4,356</u>	<u>6,094</u>	<u>7,124</u>	<u>5,706</u>	<u>6,321</u>	<u>5,860</u>	<u>8,592</u>	<u>92,166</u>
(32) Total SALES & TSS THROUGHPUT	2,036,101	3,717,535	4,492,250	4,941,883	4,416,737	2,887,801	1,783,577	968,591	622,341	573,652	639,241	755,220	27,834,929
(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	108,699	79,637	71,255	19,604	20,573	22,298	22,119	23,744	32,778	603,616
(36) FT-1 Large LLF	54,058	98,982	138,472	175,314	125,222	107,684	13,866	9,590	16,523	16,280	20,867	53,109	829,968
(37) FT-1 Large HLF	39,348	42,147	50,025	63,686	49,247	43,657	26,457	29,815	25,811	31,496	30,977	33,106	465,771
(38) FT-1 Extra Large LLF	85,429	156,894	206,744	260,878	198,172	170,300	18,203	37,663	21,513	20,840	28,967	80,402	1,286,005
(39) FT-1 Extra Large HLF	476,792	495,313	572,912	626,515	482,449	534,117	404,390	414,590	456,962	474,045	407,355	455,137	5,800,578
(40) Default	<u>4,141</u>	<u>13,049</u>	<u>12,180</u>	<u>4,628</u>	<u>9,490</u>	<u>8,174</u>	<u>2,697</u>	<u>424</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>54,782</u>
(41) TOTAL FT-1 TRANSPORTATION	702,322	871,946	1,075,127	1,244,582	939,355	935,187	485,217	512,654	543,107	564,780	511,910	654,532	9,040,719
(42) FT-2 TRANSPORTATION													
(42) FT-2 Small	10,714	22,111	27,462	30,579	27,409	18,072	10,965	5,779	2,876	2,532	2,898	6,015	167,412
(43) FT-2 Medium	145,470	250,911	293,954	318,123	287,000	204,180	142,688	83,752	53,255	50,906	52,613	59,600	1,942,451
(44) FT-2 Large LLF	110,634	202,760	227,877	254,917	230,433	144,138	93,697	40,495	17,934	15,911	22,875	30,886	1,392,558
(45) FT-2 Large HLF	45,823	61,380	67,288	72,351	67,250	53,588	47,684	37,070	24,950	27,069	27,767	26,702	558,921
(46) FT-2 Extra Large LLF	2,108	4,630	4,957	5,413	5,780	2,781	1,692	383	198	74	102	504	28,621
(47) FT-2 Extra Large HLF	<u>43,568</u>	<u>48,106</u>	<u>49,008</u>	<u>46,506</u>	<u>50,739</u>	<u>39,551</u>	<u>47,053</u>	<u>34,343</u>	<u>36,755</u>	<u>43,099</u>	<u>38,115</u>	<u>42,707</u>	<u>519,550</u>
(48) TOTAL FT-2 TRANSPORTATION	358,317	589,897	670,545	727,890	668,612	462,311	343,779	201,822	135,967	139,590	144,370	166,413	4,609,512
(49) Total THROUGHPUT													
(50) Residential Non-Heating	28,624	44,208	51,962	56,127	48,978	38,587	29,538	22,499	16,823	16,284	17,571	16,077	387,277
(51) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	0	0	0	0	13,674
(52) Residential Heating	1,400,863	2,525,446	3,077,706	3,353,125	2,973,585	1,925,301	1,183,145	628,685	435,361	397,039	439,559	532,719	18,872,533
(53) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	0	0	0	0	1,543,819
(54) Small C&I	165,956	346,898	430,101	503,080	436,916	258,912	145,241	71,282	43,801	38,912	51,344	59,002	2,551,445
(55) Medium C&I	430,301	768,298	920,070	1,007,210	904,897	651,128	405,015	243,655	173,618	167,358	173,900	203,345	6,048,795
(56) Large LLF	208,291	387,855	477,959	554,453	469,348	329,888	147,203	65,900	45,599	41,998	57,635	100,837	2,886,967
(57) Large HLF	110,521	139,917	151,212	174,715	153,807	126,840	100,044	87,462	64,738	71,967	74,820	75,997	1,332,041
(58) Extra Large LLF	90,980	171,955	223,594	278,624	215,809	181,890	24,264	20,521	22,053	20,999	29,362	81,753	1,381,533
(59) Extra Large HLF	533,724	555,466	631,242	679,629	539,961	578,024	457,537	456,056	499,423	523,465	451,331	506,436	6,412,294
(60) Default	<u>4,141</u>	<u>13,049</u>	<u>12,180</u>	<u>4,628</u>	<u>9,490</u>	<u>8,174</u>	<u>2,697</u>	<u>424</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>54,782</u>
(61) TOTAL THROUGHPUT	3,096,740	5,179,377	6,237,922	6,914,355	6,024,703	4,285,298	2,612,572	1,683,067	1,301,416	1,278,022	1,295,522	1,576,166	41,485,161