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October 15, 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 eleven months of actual data and one month of projected data, the projected deferred gas cost balance at the end of October 2019 is an over-recovery of approximately \$1.1 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 September 2019, and projected gas costs and gas cost revenue for October 2019. The projected gas costs are updated to reflect the NYMEX strip as of October 7, 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 September 2019, and projected gas costs for 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.

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.

The projected October 2019 deferred balance over-recovery of \$1.1 million is a decrease of approximately \$0.2 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 decrease in the projected deferred over-recovery balance is due to an increase of \$0.2 million in actual gas costs, a decrease of approximately \$0.2 million in actual gas cost revenue for September 2019, and a decrease of \$0.2 million in forecasted gas costs for October 2019.

The projected October 2019 deferred balance over-recovery of \$1.1 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) 709-3337.

Sincerely,



Leticia C. Pimentel

Enclosure

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.



Brittny Keophoxay

October 15, 2019

Date

Docket No. 4872 – National Grid – 2018 Annual Gas Cost Recovery Filing (GCR) - Service List as of 8/19/2019

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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	Actual	Actual	Actual	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)	(\$13,431,804)	(\$11,123,421)	(\$8,787,424)	\$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	\$4,764,467	\$4,722,839	\$4,804,663	\$4,853,778	\$79,810,309
(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	\$36,128	\$35,812	\$36,432	\$36,805	\$605,180
(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	\$4,536,414	\$4,494,470	\$4,576,914	\$4,626,402	\$76,698,725
(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	\$2,238,081	\$2,152,244	\$2,214,359	\$2,653,598	\$89,957,290
(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	\$2,298,333	\$2,342,226	\$2,362,556	\$1,972,804	(\$13,258,565)
(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)	(\$13,388,589)	(\$11,089,578)	(\$8,760,866)	(\$6,814,620)	(\$6,607,778)
(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)	(\$14,537,756)	(\$12,260,691)	(\$9,942,144)	(\$7,801,022)	
(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%	3.25%	3.25%	3.25%	
(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)	(\$43,215)	(\$33,843)	(\$26,558)	(\$21,533)	(\$253,029)
(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)	(\$13,431,804)	(\$11,123,421)	(\$8,787,424)	(\$6,836,153)	(\$6,836,153)
(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	\$5,145,112	\$4,992,076	\$4,922,278	\$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	\$1,964,297	\$1,933,479	\$2,080,032	\$3,517,268	\$90,888,308
(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	\$25,872	\$26,074	\$25,921	\$22,492	\$307,200
(24)	Inventory Financing - UG	Sch. 5, line (12)	\$75,812	\$71,250	\$56,594	\$44,527	\$38,959	\$41,121	\$46,491	\$51,042	\$58,392	\$66,079	\$74,543	\$72,733	\$697,541
(25)	Working Capital	Sch. 4, line (30)	\$94,267	\$100,326	\$142,030	\$107,870	\$89,311	\$39,460	\$26,545	\$17,375	\$14,895	\$14,661	\$15,772	\$26,670	\$689,182
(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	\$2,088,642	\$2,065,480	\$2,221,454	\$3,664,350	\$92,884,474
(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	\$2,323,731	\$2,232,487	\$2,304,477	\$2,895,967	\$108,432,649
(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)	(\$235,089)	(\$167,007)	(\$83,023)	\$768,383	(\$15,548,175)
(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	\$5,129,515	\$4,978,105	\$4,909,054	\$5,690,661	\$5,235,842
(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	\$5,247,059	\$5,061,608	\$4,950,565	\$5,306,469	
(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%	3.25%	3.25%	3.25%	
(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	\$15,597	\$13,971	\$13,224	\$14,647	\$451,677
(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	\$5,145,112	\$4,992,076	\$4,922,278	\$5,705,308	\$5,705,308
(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)	(\$8,286,692)	(\$6,131,345)	(\$3,865,146)	\$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	\$6,823,103	\$6,750,656	\$6,979,034	\$8,465,385	\$172,009,521
(38)	Inventory Finance	(23) + (24)	\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$84,264	\$92,153	\$100,463	\$95,225	\$1,004,741
(39)	Working Capital	(8) + (25)	\$131,597	\$176,516	\$221,736	\$187,649	\$169,036	\$75,432	\$61,076	\$54,144	\$51,022	\$50,473	\$52,205	\$63,475	\$1,294,362
(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	\$6,625,056	\$6,559,949	\$6,798,369	\$8,290,752	\$169,607,854
(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	\$4,561,811	\$4,384,731	\$4,518,836	\$5,549,565	\$198,389,940
(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)	\$2,063,244	\$2,175,218	\$2,279,533	\$2,741,187	(\$28,782,086)
(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)	(\$8,259,074)	(\$6,111,474)	(\$3,851,812)	(\$1,123,959)	
(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)	(\$9,290,696)	(\$7,199,083)	(\$4,991,579)	(\$2,494,552)	
(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%	3.25%	3.25%	3.25%	
(47)	Interest Applied	(15) + (32)	\$76,763	\$81,560	\$77,545	\$53,362	\$30,119	(\$68)	(\$23,361)	(\$29,564)	(\$27,618)	(\$19,871)	(\$13,334)	(\$6,886)	\$198,648
(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)	(\$8,286,692)	(\$6,131,345)	(\$3,865,146)	(\$1,130,845)	(\$1,130,845)

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>Actual</u> (i)	<u>Aug</u> <u>Actual</u> (j)	<u>Sep</u> <u>Actual</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	\$1,686,678	\$1,675,770	\$1,680,071	\$1,489,030	\$19,815,485	
(3) TETCO/Texas Eastern	\$717,174	\$717,275	\$717,276	\$724,008	\$724,007	\$724,007	\$724,007	\$1,091,052	\$1,091,053	\$1,104,185	\$1,104,196	\$717,176	\$10,155,418	
(4) Tennessee	\$894,722	\$896,722	\$894,722	\$894,723	\$894,723	\$894,723	\$894,723	\$894,723	\$894,723	\$894,723	\$895,961	\$974,353	\$10,819,538	
(5) Tennessee Dracut /Demand Everett	\$250,728	\$250,727	\$250,727	\$250,728	\$250,085	\$249,697	\$250,727	\$250,727	\$250,727	\$250,727	\$250,147	\$171,098	\$2,926,847	
(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	\$2,947,919	
(7) Iroquois	\$5,667	\$5,667	\$5,667	\$5,667	\$5,667	\$5,785	\$5,667	\$5,667	\$4,746	\$5,479	\$5,483	\$5,667	\$66,828	
(8) Union	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,130	
(9) Transcanada To East Hereford Demand	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$148,883	
(10) Transcanada ToWaddington Demand	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,392	\$8,392	
(11) Dominion	\$2,241	\$2,242	\$2,242	\$2,242	\$2,241	(\$28,586)	(\$28,586)	(\$28,586)	(\$28,586)	(\$28,586)	(\$28,586)	\$2,242	(\$158,063)	
(12) Transcontinental demand	\$3,918	\$5,010	\$5,010	\$4,525	\$5,010	\$7,326	\$6,281	\$6,078	\$6,281	\$6,281	\$6,078	\$5,010	\$66,807	
(13) Millenium demand	\$0	\$0	\$158,357	\$158,357	\$175,323	\$169,668	\$175,324	\$169,668	\$175,324	\$175,324	\$169,668	\$181,322	\$1,708,334	
(14) Columbia	\$549,829	\$46,869	\$302,929	\$321,219	\$320,907	\$313,294	\$312,556	\$312,584	\$315,699	\$314,183	\$314,183	\$298,350	\$3,722,599	
(15) Less Credits from Mkter Releases	(\$747,435)	(\$754,500)	(\$753,985)	(\$697,080)	(\$740,845)	(\$734,489)	(\$940,887)	(\$1,118,272)	(\$1,223,169)	(\$1,243,931)	(\$1,170,944)	(\$872,928)	(\$10,998,466)	
(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	\$160,955	\$135,048	\$152,836	\$95,237	\$1,303,033	
(21) Dominion	\$83,089	\$83,089	\$83,089	\$83,091	\$83,091	\$83,091	\$83,091	\$83,091	\$79,491	\$83,091	\$83,091	\$83,088	\$993,483	
(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>\$443,837</u>	<u>\$443,837</u>	<u>\$443,837</u>	<u>\$603,019</u>	<u>\$28,366,822</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	\$4,764,467	\$4,722,839	\$4,804,663	\$4,853,778	\$79,810,309

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>											
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(33) VARIABLE SUPPLY COSTS (Includes Injections)														
(34) Tennessee (Includes Niagara)													\$803,340	\$803,340
(35) TETCO (Includes B&W)													\$0	\$0
(36) TETCO Leidy													\$0	\$0
(37) M3 Delivered or TETCO M3													\$922,800	\$922,800
(38) Maumee													\$60,944	\$60,944
(39) Columbia Broadrun													\$0	\$0
(40) Columbia Eagle / Pennsburg													\$91,539	\$91,539
(41) TETCO M2													\$1,145,850	\$1,145,850
(42) Dominion South Point (Dominion to TETCO FTS)													\$0	\$0
(43) Transco Leidy													\$3,532	\$3,532
(44) Dawn to Waddington													\$64,540	\$64,540
(45) Dawn to East Hereford													\$12,486	\$12,486
(46) Algonquin - AIM													\$7,041	\$7,041
(47) Millenium													\$361,929	\$361,929
(48) Confidential Pipeline and Peaking Supplies													\$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	\$1,524,244	\$1,450,834	\$1,418,057	\$3,474,001	\$81,017,652
(50) Hedging		(\$493,934)	(\$4,226,993)	(\$1,472,125)	\$374,586	\$241,118	(\$74,137)	\$225,058	\$124,957	\$365,278	\$523,987	(\$743,315)	\$939,890	(\$2,728,999)
(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	\$0	\$0	\$0	(\$965,675)	(\$965,675)
(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	\$1,730,202	\$1,747,076	\$1,831,843	\$3,448,216	\$76,344,175
(54) Underground Storage		\$777,835	\$1,570,638	\$2,645,978	\$2,217,253	\$1,401,131	\$413,072	\$281,470	\$240,870	\$44,792	\$38,194	\$51,568	\$0	\$9,682,802
(55) LNG Withdrawals and Trucking		\$360,703	\$131,722	\$862,953	\$249,826	\$186,423	\$89,568	\$94,154	\$80,144	\$80,686	\$78,831	\$68,998	\$69,052	\$2,353,059
(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	\$125,478	\$117,025	\$120,567	\$69,052	\$12,035,861
(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	\$1,855,680	\$1,864,101	\$1,952,410	\$3,517,268	\$88,380,036
(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	\$6,620,147	\$6,586,940	\$6,757,073	\$8,371,046	\$168,190,345

Supply Estimates Actuals for Filing

Description	Reference	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</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)
(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	\$461,157	\$438,850	\$456,638	\$399,036	\$4,945,049
(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	\$1,453,113	\$1,430,806	\$1,448,594	\$1,390,992	\$38,931,506
(64) Tennessee Dracut for Peaking.		\$250,728	\$250,727	\$250,727	\$250,728	\$250,085	\$249,697	\$250,727	\$250,727	\$250,727	\$250,727	\$250,147	\$171,098	\$2,926,847
(65) Inventory Financing		\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$84,264	\$92,153	\$100,463	\$95,225	\$1,004,741
(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>\$6,506</u>	<u>\$6,337</u>	<u>\$6,472</u>	<u>\$10,548</u>	<u>\$251,607</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	\$1,863,762	\$1,849,176	\$1,874,828	\$1,737,015	\$44,098,706
(69) System Storage MDQ (Dth)		208,270	239,660	244,556	244,754	244,515	243,574	243,814	246,251	246,851	246,014	247,476	214,505	2,870,238
(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	\$7.5501	\$7.5166	\$7.5758	\$8.0978	\$15.3641
(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	\$1,855,680	\$1,864,101	\$1,952,410	\$3,517,268	\$88,380,036
(72) Less Non-firm Gas Costs		(\$68,259)	(\$337,805)	(\$500,059)	(\$39,023)	(\$121,613)	(\$103,733)	(\$62,470)	(\$20,233)	\$19,106	(\$13,057)	(\$15,046)	\$0	(\$1,262,192)
(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	(\$14,850)	(\$27,130)	\$30,915	\$0	\$2,513,808
(78) Plus Pipeline Srchg/Credit		\$241,824	\$97,250	\$106,714	\$102,850	\$93,777	\$102,145	\$98,476	\$109,263	\$106,917	\$109,565	\$115,127	\$0	\$1,283,908
(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>(\$2,557)</u>	<u>\$0</u>	<u>(\$3,373)</u>	<u>\$0</u>	<u>(\$27,252)</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	\$1,964,297	\$1,933,479	\$2,080,032	\$3,517,268	\$90,888,308

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>Actual</u> (i)	<u>Aug</u> <u>Actual</u> (j)	<u>Sep</u> <u>Actual</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	527,899	537,103	557,070	714,361	26,933,320
(3) Fixed Cost Factor	(4) ÷ (2)	\$2.7598	\$3.0769	\$3.0864	\$3.0730	\$3.0729	\$3.0737	\$3.0737	\$3.0719	\$3.2772	\$3.0753	\$3.0725	\$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	\$1,730,051	\$1,651,776	\$1,711,595	\$2,195,088	\$82,333,421
(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	42,456	39,484	40,018	40,859	810,405
(6) Fixed Cost Factor	(7) ÷ (5)	\$2.0215	\$2.1557	\$2.1528	\$2.1496	\$2.1991	\$2.1496	\$2.1496	\$2.1494	2.1502	2.1503	2.1495	2.1496	
(7) High Load Revenue		\$137,969	\$203,177	\$209,243	\$223,034	\$210,285	\$159,923	\$135,298	\$109,998	\$91,290	\$84,901	\$86,017	\$87,831	\$1,738,965
(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	570,355	576,588	597,088	755,220	27,743,725
(9) FT-2 Storage Revenue from marketers		\$181,030	\$438,529	\$456,099	\$834,523	\$667,640	\$844,065	\$413,085	\$412,181	\$413,224	\$411,784	\$414,232	\$370,679	\$5,857,072
(10) Manchester Steet Volumes (dth)	Monthly Meter Use	1,074	939	276	93	390	1,079	1,028	875	1,122	1,207	803	0	8,885
(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	
(12) Manchester Street Revenue	(10) x (11)	\$3,365	\$2,942	\$863	\$291	\$1,220	\$3,379	\$3,221	\$2,741	\$3,515	\$3,782	\$2,514	\$0	\$27,833
(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	\$2,238,081	\$2,152,244	\$2,214,359	\$2,653,598	\$89,957,290
(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	570,355	576,588	597,088	755,220	27,743,725
(16) Variable Supply Cost Factor	(17) ÷ (15)	\$4.4243	\$3.8394	\$3.8514	\$3.8348	\$3.8366	\$3.8357	\$3.8357	\$3.8335	\$4.0708	\$3.8376	\$3.8342	\$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	\$2,321,810	\$2,212,733	\$2,289,372	\$2,895,967	\$107,830,160
(18) (b) TSS Sales dth	Sch. 6, line (20)	4,645	7,989	12,544	18,021	22,110	14,314	9,263	805	734	832	1,027	0	92,285
(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	
(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	(368)	1,617	1,417	-	57,448
(22) Variable Supply Cost Factor	(23) ÷ (21)	\$6.73	\$11.68	\$23.50	\$10.64	\$7.62	\$3.17	\$6.91	\$6.91	\$6.90	\$6.91	\$6.91	\$0.00	
(23) Variable Supply Revenue		\$27,868	\$152,391	\$286,217	\$101,016	\$35,265	\$25,900	\$18,627	\$2,928	(\$2,540)	\$11,169	\$9,785	\$0	\$668,627
(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	\$75	\$3,866	\$2,182	\$0	(\$102,891)
(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	1,122	1,207	803	0	8,885
(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	
(29) Manchester Street Revenue	(27) x (28)	\$4,199	\$3,671	\$1,077	\$364	\$1,523	\$4,217	\$4,020	\$3,420	\$4,386	\$4,719	\$3,138	\$0	\$34,733
(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	\$2,323,731	\$2,232,487	\$2,304,477	\$2,895,967	\$108,432,649
(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	\$4,561,811	\$4,384,731	\$4,518,836	\$5,549,565	\$198,389,940

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>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	\$10,521,157	\$10,514,015	\$4,743,933	\$4,553,884	\$4,848,986	\$4,764,467	\$4,722,839	\$4,804,663	\$4,853,778	\$79,810,309
(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	\$4,764,467	\$4,722,839	\$4,804,663	\$4,853,778	\$79,810,309
(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	\$429,716	\$425,961	\$433,341	\$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	\$30,725	\$30,456	\$30,984	\$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	\$10,399	\$10,308	\$10,487	\$10,594	
(12) Taxable Income	(9) - (11)	\$21,002	\$42,865	\$44,843	\$44,884	\$44,854	\$20,238	\$19,427	\$20,686	\$20,326	\$20,148	\$20,497	\$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	\$25,729	\$25,504	\$25,946	\$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	\$36,128	\$35,812	\$36,432	\$36,805	\$605,180
(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	\$1,964,297	\$1,933,479	\$2,080,032	\$3,517,268	\$90,888,308
(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	\$1,964,297	\$1,933,479	\$2,080,032	\$3,517,268	\$90,888,308
(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	\$177,163	\$174,384	\$187,602	\$317,229	
(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	\$12,667	\$12,468	\$13,414	\$22,682	
(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	\$4,287	\$4,220	\$4,540	\$7,677	
(27) Taxable Income	(24) - (26)	\$53,035	\$56,444	\$79,906	\$60,688	\$50,247	\$22,201	\$14,934	\$9,775	\$8,380	\$8,248	\$8,874	\$15,005	
(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	\$10,607	\$10,441	\$11,232	\$18,994	
(30) Supply Variable Working Capital Requirement	(26) + (29)	\$94,267	\$100,326	\$142,030	\$107,870	\$89,311	\$39,460	\$26,545	\$17,375	\$14,895	\$14,661	\$15,772	\$26,670	\$689,182

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>Actual</u> (i)	<u>Aug</u> <u>Actual</u> (j)	<u>Sep</u> <u>Actual</u> (k)	<u>Oct</u> <u>Forecast</u> (l)	<u>Nov-Oct</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	\$8,072,699	\$8,940,942	\$9,818,145	\$10,381,303	
(2) Monthly Storage Deferral/Amortization		(\$160,013)	(\$120,422)	(\$74,233)	(\$32,992)	\$1	(\$7,294)	\$56,425	\$101,196	\$261,726	\$490,675	\$821,522	\$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	\$8,334,424	\$9,431,618	\$10,639,668	\$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	\$595,911	\$674,361	\$760,736	\$742,263	\$7,118,665
(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	\$201,693	\$228,245	\$257,480	\$251,228	\$2,409,394
(8) Taxable Income	(5) - (7)	\$511,822	\$481,024	\$382,079	\$300,609	\$263,023	\$277,617	\$313,875	\$344,595	\$394,218	\$446,116	\$503,256	\$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 and Tax Requirement	(8) ÷ (9)	\$647,876	\$608,891	\$483,644	\$380,518	\$332,941	\$351,414	\$397,311	\$436,196	\$499,010	\$564,703	\$637,033	\$621,564	\$5,961,102
(11) Working Capital Requirement	(7) + (10)	\$909,739	\$854,997	\$679,126	\$534,318	\$467,511	\$493,451	\$557,898	\$612,500	\$700,704	\$792,948	\$894,513	\$872,792	\$8,370,496
(12) Monthly Average	(11) ÷ 12	\$75,812	\$71,250	\$56,594	\$44,527	\$38,959	\$41,121	\$46,491	\$51,042	\$58,392	\$66,079	\$74,543	\$72,733	\$697,541
(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	\$3,692,730	\$3,721,633	\$3,699,696	\$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	\$264,030	\$266,097	\$264,528	\$229,542	\$3,135,087
(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	\$89,364	\$90,064	\$89,533	\$77,691	\$1,061,106
(18) Taxable Income	(15) - (17)	\$175,694	\$187,302	\$157,043	\$167,186	\$178,139	\$174,889	\$179,071	\$177,111	\$174,666	\$176,033	\$174,996	\$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	\$221,096	\$222,827	\$221,513	\$192,216	\$2,625,292
(21) Working Capital Requirement	(17) + (20)	\$312,288	\$332,920	\$279,136	\$297,164	\$316,634	\$310,857	\$318,290	\$314,806	\$310,460	\$312,890	\$311,046	\$269,907	\$3,686,398
(22) Monthly Average	(21) ÷ 12	\$26,024	\$27,743	\$23,261	\$24,764	\$26,386	\$25,905	\$26,524	\$26,234	\$25,872	\$26,074	\$25,921	\$22,492	\$307,200
(23) TOTAL GCR Inventory Financing Costs	(12) + (22)	\$101,836	\$98,993	\$79,855	\$69,290	\$65,345	\$67,026	\$73,016	\$77,276	\$84,264	\$92,153	\$100,463	\$95,225	\$1,004,741

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>Actual</u> (i)	<u>Aug</u> <u>Actual</u> (j)	<u>Sep</u> <u>Actual</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	16,446	13,922	14,254	16,077	381,221
(3) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	681	469	508	0	15,331
(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	375,358	355,224	368,582	532,719	18,699,738
(5) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	41,262	39,839	41,864	0	1,666,784
(6) Small C&I	155,155	324,135	401,172	469,574	406,681	239,545	133,765	65,323	39,949	42,004	39,496	52,987	2,369,784
(7) Medium C&I	238,873	446,128	523,894	568,178	521,885	364,912	236,012	138,807	92,219	90,658	97,602	110,966	3,430,133
(8) Large LLF	42,808	85,435	109,786	123,101	112,566	77,149	38,697	15,714	(22,213)	8,268	8,217	16,841	616,369
(9) Large HLF	24,988	35,430	32,075	36,915	35,527	28,275	24,804	20,577	16,706	15,659	17,026	16,190	304,171
(10) Extra Large LLF	3,443	10,432	11,894	12,332	11,857	8,809	4,369	2,205	590	279	284	847	67,339
(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>8,624</u>	<u>9,435</u>	<u>8,230</u>	<u>8,592</u>	<u>100,568</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	569,621	575,755	596,061	755,220	27,651,440
(13) TSS													
(14) Small	87	653	1,467	2,927	2,826	1,296	511	180	139	123	0	0	10,208
(15) Medium	3,405	5,698	7,429	12,211	16,374	10,781	6,711	523	414	600	934	0	65,080
(16) Large LLF	792	678	1,824	1,120	1,126	917	943	102	180	109	93	0	7,883
(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	734	832	1,027	0	92,285
(21) Sales & TSS THROUGHPUT													
(22) Residential Non-Heating	28,624	44,208	51,962	56,127	48,978	38,587	29,538	22,499	16,446	13,922	14,254	16,077	381,221
(23) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	681	469	508	0	15,331
(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	375,358	355,224	368,582	532,719	18,699,738
(25) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	41,262	39,839	41,864	0	1,666,784
(26) Small C&I	155,242	324,788	402,639	472,501	409,507	240,840	134,276	65,503	40,088	42,126	39,496	52,987	2,379,992
(27) Medium C&I	242,277	451,826	531,323	580,388	538,259	375,693	242,723	139,330	92,634	91,258	98,535	110,966	3,495,213
(28) Large LLF	43,600	86,113	111,610	124,222	113,693	78,066	39,640	15,815	(22,033)	8,377	16,841	6,245	624,253
(29) Large HLF	25,350	36,391	33,899	38,678	37,311	29,596	25,903	20,577	16,706	15,659	17,026	16,190	313,285
(30) Extra Large LLF	3,443	10,432	11,894	12,332	11,857	8,809	4,369	2,205	590	279	284	847	67,339
(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>8,624</u>	<u>9,435</u>	<u>8,230</u>	<u>8,592</u>	<u>100,568</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	570,355	576,588	597,088	755,220	27,743,725
(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	9,039	17,908	23,548	32,778	585,950
(36) FT-1 Large LLF	54,058	98,982	138,472	175,314	125,222	107,684	13,866	9,590	(5,738)	11,205	16,881	53,109	798,646
(37) FT-1 Large HLF	39,348	42,147	50,025	63,686	49,247	43,657	26,457	29,815	34,614	42,664	21,686	33,106	476,450
(38) FT-1 Extra Large LLF	85,429	156,894	206,744	260,878	198,172	170,300	18,203	37,663	(17,533)	16,377	20,516	80,402	1,234,044
(39) FT-1 Extra Large HLF	476,792	495,313	572,912	626,515	482,449	534,117	404,390	414,590	405,585	409,233	414,417	455,137	5,691,450
(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>(368)</u>	<u>1,617</u>	<u>1,417</u>	<u>0</u>	<u>57,448</u>
(41) TOTAL FT-1 TRANSPORTATION	702,322	871,946	1,075,127	1,244,582	939,355	935,187	485,217	512,654	425,598	499,004	498,464	654,532	8,843,989
(42) FT-2 TRANSPORTATION													
(42) FT-2 Small	10,714	22,111	27,462	30,579	27,409	18,072	10,965	5,779	3,518	3,292	3,551	6,015	169,466
(43) FT-2 Medium	145,470	250,911	293,954	318,123	287,000	204,180	142,688	83,752	53,571	50,285	54,556	59,600	1,944,089
(44) FT-2 Large LLF	110,634	202,760	227,877	254,917	230,433	144,138	93,697	40,495	18,319	18,682	16,859	30,886	1,389,698
(45) FT-2 Large HLF	45,823	61,380	67,288	72,351	67,250	53,588	47,684	37,070	33,455	29,032	36,534	26,702	578,155
(46) FT-2 Extra Large LLF	2,108	4,630	4,957	5,413	5,780	2,781	1,692	383	111	67	167	504	28,593
(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>44,504</u>	<u>36,322</u>	<u>36,902</u>	<u>42,707</u>	<u>519,310</u>
(48) TOTAL FT-2 TRANSPORTATION	358,317	589,897	670,545	727,890	668,612	462,311	343,779	201,822	153,479	137,680	148,568	166,413	4,629,311
(49) Total THROUGHPUT													
(50) Residential Non-Heating	28,624	44,208	51,962	56,127	48,978	38,587	29,538	22,499	16,446	13,922	14,254	16,077	381,221
(51) Residential Non-Heating Low Income	914	1,605	2,013	2,342	2,560	1,858	1,407	976	681	469	508	0	15,331
(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	375,358	355,224	368,582	532,719	18,699,738
(53) Residential Heating Low Income	122,425	224,680	259,884	295,562	274,215	184,696	116,482	65,878	41,262	39,839	41,864	0	1,666,784
(54) Small C&I	165,956	346,898	430,101	503,080	436,916	258,912	145,241	71,282	43,606	45,418	43,046	59,002	2,549,458
(55) Medium C&I	430,301	768,298	920,070	1,007,210	904,897	651,128	405,015	243,655	155,243	159,451	176,639	203,345	6,025,252
(56) Large LLF	208,291	387,855	477,959	554,453	469,348	329,888	147,203	65,900	(9,452)	38,265	42,049	100,837	2,812,597
(57) Large HLF	110,521	139,917	151,212	174,715	153,807	126,840	100,044	87,462	84,775	87,355	75,245	75,997	1,367,890
(58) Extra Large LLF	90,980	171,955	223,594	278,624	215,809	181,890	24,264	40,251	(16,832)	16,722	20,966	81,753	1,329,976
(59) Extra Large HLF	533,724	555,466	631,242	679,629	539,961	578,024	457,537	456,056	458,713	454,990	459,549	506,436	6,311,328
(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>(368)</u>	<u>1,617</u>	<u>1,417</u>	<u>0</u>	<u>57,448</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	1,149,432	1,213,272	1,244,120	1,576,166	41,217,024