

November 20, 2018

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4719 - 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, 2017 through October 31, 2018. Based on 12 months of actual data, the deferred gas cost balance at the end of October 2018 is an under-recovery of approximately \$27.4 million (see attached Schedule 1, page 1).² This calculation is based on the November 1, 2017 starting under-recovery balance of \$14.8 million³ plus actual gas costs and gas cost revenue for November 1, 2017 through October 31, 2018.

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 1, 2017 through October 31, 2018. Schedule 3 summarizes actual gas cost revenue for November 1, 2017 through October 31, 2018. 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 actual deferred balance of \$27.4 million as of October 31, 2018 is an increase of approximately \$2.9 million as compared to the projected deferred balance of \$24.6 million

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

² National Grid has revised the actual monthly deferred gas cost for September 2018 to reflect the actual Natural Gas Portfolio Management Plan (NGPMP) credit earned as of September 30, 2018, as reflected in the Company's November 1, 2018 Natural Gas Portfolio Management Plan Quarterly report filed in Docket No. 4038 for the period of July 1, 2018 through September 30, 2018.

³ This amount represents the ending balance at October 31, 2017, as filed on November 20, 2017 in Docket No. 4647.

from last month's deferred balance report. The \$2.9 million increase in the deferral is the result of (1) a \$1.0 million reduction in the actual NGPMP credit for the period of July 1, 2018 through September 30, 2018, and (2) \$2.0 million higher actual October 2018 gas costs than forecasted gas costs in last month's report, offset by (3) \$0.1 million higher actual gas cost revenue than forecasted gas cost revenue in last month's report.

The actual October 2018 deferred balance of \$27.4 million represents a difference of 16.5 percent of National Grid's projected 2017-18 annual GCR revenues, which exceeds the 5 percent criteria established for evaluating whether the Company's GCR factor should be revised (see National Grid's tariff, RIPUC NG-GAS No. 101, Section 2, Schedule A, Part 1.2). However, this balance is a result of the partial recovery of the projected October 2018 deferral balance presented in the Company's January 26, 2018 Interim GCR filing in Docket No. 4719 through GCR factors approved by the Public Utilities Commission (PUC) on February 26, 2018, which became effective March 1, 2018. The Company's 2018-19 GCR factors approved by the PUC in Docket No. 4872 on October 30, 2018, which went into effect on November 1, 2018, reflect the recovery of \$23.4 million of the \$27.4 million deferred balance shown in the accompanying report.

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

Very truly yours,

A handwritten signature in blue ink, appearing to read 'RH', with a long horizontal flourish extending to the right.

Robert J. Humm

Enclosures

cc: Docket 4719 Service List
Leo Wold, Esq.
Al Mancini
John Bell
Bruce Oliver

Certificate of Service

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

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

Joanne M. Scanlon

November 20, 2018
Date

Docket No. 4719 – National Grid – 2017 Annual Gas Cost Recovery Filing (GCR) - Service List as of 2/21/18

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Deferred Gas Cost Balances

Line No.	Description	Reference	Nov Actual	Dec Actual	Jan Actual	Feb Actual	Mar Actual	Apr Actual	May Actual	Jun Actual	Jul Actual	Aug Actual	Sep Actual	Oct Actual	Nov-Oct
			30 (a)	31 (b)	31 (c)	28 (d)	31 (e)	30 (f)	31 (g)	30 (h)	31 (i)	31 (j)	30 (k)	31 (l)	365 (m)
(1)	# of Days in Month														
(2)	I. Fixed Cost Deferred														
(3)	Beginning Under/(Over) Recovery		\$1,106,719	\$2,186,800	\$518,946	(\$581,186)	(\$2,969,802)	(\$2,415,056)	(\$4,673,556)	(\$4,609,247)	(\$1,228,566)	\$434,405	\$2,177,160	\$5,017,420	\$1,106,719
(4)	Supply Fixed Costs (net of cap rel)	Sch. 2, line (31)	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,541,674	\$3,851,320	\$3,926,133	\$3,848,623	\$3,884,767	\$4,069,636	\$55,812,941
(5)	System Pressure to DAC (Reservation Chge - Crary St.)	Dkt 4339	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(6)	Supply Related LNG O & M*	Dkt 4323; Dkt 4770	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$307,501	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$71,771	\$882,728
(7)	NGPMP Credits		(\$908,333)	(\$908,333)	\$2,132,622	(\$908,333)	\$1,284,351	(\$908,333)	(\$908,333)	\$1,110,429	(\$908,333)	(\$908,333)	\$102,206	(\$908,333)	(\$2,637,057)
(8)	Working Capital	Sch. 4, line (15)	\$23,513	\$24,034	\$29,289	\$29,449	\$28,897	\$21,940	\$21,444	\$17,984	\$18,359	\$17,971	\$27,464	\$28,866	\$289,210
(9)	Total Supply Fixed Costs	Sum[(4);(8)]	\$3,242,798	\$3,333,652	\$8,054,225	\$5,045,281	\$7,386,716	\$3,539,403	\$3,439,950	\$4,764,898	\$2,821,323	\$2,743,426	\$3,823,408	\$2,999,140	\$51,194,221
(10)	Supply Fixed - Revenue	Sch. 3, line (13)	\$2,201,823	\$5,004,233	\$9,154,290	\$7,430,496	\$6,826,074	\$5,789,902	\$3,364,813	\$1,377,328	\$1,157,343	\$1,003,994	\$992,096	\$1,381,854	\$45,684,245
(11)	Monthly Under/(Over) Recovery	(9) - (10)	\$1,040,975	(\$1,670,580)	(\$1,100,066)	(\$2,385,215)	\$560,641	(\$2,250,498)	\$75,137	\$3,387,570	\$1,663,981	\$1,739,432	\$2,831,313	\$1,617,286	\$5,509,976
(12)	Prelim. Ending Under/(Over) Recovery	(3) + (11)	\$2,147,693	\$516,220	(\$581,119)	(\$2,966,401)	(\$2,409,161)	(\$4,665,554)	(\$4,598,419)	(\$1,221,676)	\$435,415	\$2,173,837	\$5,008,472	\$6,634,706	\$6,616,695
(13)	Month's Average Balance	[(3) + (12)] ÷ 2	\$1,627,206	\$1,351,510	(\$31,087)	(\$1,773,793)	(\$2,689,482)	(\$3,540,305)	(\$4,635,987)	(\$2,915,462)	(\$396,575)	\$1,304,121	\$3,592,816	\$5,826,063	
(14)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.88%	3.00%	3.00%	3.03%	3.25%	
(15)	Interest Applied	[(13) x (14)] ÷ 365 x (1)	\$3,009	\$2,726	(\$66)	(\$3,402)	(\$5,895)	(\$8,002)	(\$10,828)	(\$6,889)	(\$1,010)	\$3,323	\$8,948	\$16,082	(\$2,005)
(16)	Marketer Reconciliation	Dkt 4719	\$36,098	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,098
(17)	Fixed Ending Under/(Over) Recovery	(12) + (15) + (16)	\$2,186,800	\$518,946	(\$581,186)	(\$2,969,802)	(\$2,415,056)	(\$4,673,556)	(\$4,609,247)	(\$1,228,566)	\$434,405	\$2,177,160	\$5,017,420	\$6,650,788	\$6,650,788
(18)	II. Variable Cost Deferred														
(19)	Beginning Under/(Over) Recovery		\$13,703,849	\$17,500,089	\$29,497,784	\$53,249,553	\$47,657,338	\$45,495,738	\$33,235,112	\$24,690,633	\$22,511,998	\$21,005,899	\$20,250,094	\$19,729,199	\$13,703,849
(20)															
(21)	Variable Supply Costs	Sch. 2, line (77)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$2,665,186	\$2,239,378	\$2,106,295	\$2,244,622	\$2,533,927	\$5,500,076	\$125,106,247
(22)	Supply Related LNG to DAC	Dkt 4339	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(23)	Supply Related LNG O & M*	Dkt 4323; Dkt 4770	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$47,725	\$22,568	\$22,568	\$522,381
(24)	Inventory Financing - LNG	Sch. 5, line (22)	\$32,062	\$21,879	\$11,911	\$11,406	\$11,045	\$13,836	\$19,669	\$20,895	\$22,650	\$24,170	\$24,969	\$26,180	\$240,673
(25)	Inventory Financing - UG	Sch. 5, line (12)	\$80,793	\$69,463	\$47,248	\$40,189	\$35,718	\$40,056	\$47,856	\$56,364	\$61,568	\$64,814	\$71,299	\$77,287	\$692,656
(26)	Working Capital	Sch. 4, line (30)	\$51,554	\$132,114	\$219,749	\$54,919	\$64,814	\$41,144	\$13,357	\$11,222	\$10,556	\$11,249	\$19,214	\$41,706	\$671,597
(27)	Total Supply Variable Costs	Sum[(21);(26)]	\$9,157,042	\$23,193,618	\$44,175,003	\$11,112,598	\$13,092,178	\$8,352,570	\$2,793,793	\$2,375,584	\$2,248,793	\$2,392,581	\$2,671,977	\$5,667,817	\$127,233,553
(28)	Supply Variable - Revenue	Sch. 3, line (30)	\$5,444,194	\$11,243,275	\$20,510,988	\$16,801,480	\$15,355,752	\$20,702,072	\$11,405,840	\$4,609,923	\$3,810,262	\$3,200,878	\$3,242,592	\$4,668,835	\$120,996,093
(29)	Monthly Under/(Over) Recovery	(27) - (28)	\$3,712,848	\$11,950,343	\$23,664,014	(\$5,688,882)	(\$2,263,574)	(\$12,349,502)	(\$8,612,047)	(\$2,234,339)	(\$1,561,469)	(\$808,298)	(\$570,615)	\$998,982	\$6,237,461
(30)	Prelim. Ending Under/(Over) Recovery	(19) + (29)	\$17,416,697	\$29,450,431	\$53,161,798	\$47,560,671	\$45,393,764	\$33,146,236	\$24,623,065	\$22,456,294	\$20,950,529	\$20,197,602	\$19,679,478	\$20,728,181	\$19,941,310
(31)	Month's Average Balance	[(19) + (30)] ÷ 2	\$15,560,273	\$23,475,260	\$41,329,791	\$50,405,112	\$46,525,551	\$39,320,987	\$28,929,089	\$23,573,463	\$21,731,264	\$20,601,751	\$19,964,786	\$20,228,690	
(32)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.88%	3.00%	3.00%	3.03%	3.25%	
(33)	Interest Applied	[(31) x (32)] ÷ 365 x (1)	\$28,776	\$47,352	\$87,755	\$96,667	\$101,974	\$88,876	\$67,567	\$55,704	\$55,370	\$52,492	\$49,721	\$55,837	\$788,092
(34)	Gas Procurement Incentive/(penalty)		\$54,616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$54,616
(35)	Variable Ending Under/(Over) Recovery	(30) + (33) + (34)	\$17,500,089	\$29,497,784	\$53,249,553	\$47,657,338	\$45,495,738	\$33,235,112	\$24,690,633	\$22,511,998	\$21,005,899	\$20,250,094	\$19,729,199	\$20,784,017	\$20,784,017
(36)	GCR Deferred Summary														
(37)	Beginning Under/(Over) Recovery	(3) + (19)	\$14,810,568	\$19,686,889	\$30,016,730	\$52,668,368	\$44,687,536	\$43,080,683	\$28,561,556	\$20,081,386	\$21,283,433	\$21,440,304	\$22,427,254	\$24,746,619	\$14,810,568
(38)	Gas Costs	Sum[(4);(6);(16);(20);(23)]	\$13,156,349	\$27,188,114	\$49,788,409	\$16,930,249	\$19,054,069	\$12,683,331	\$7,039,750	\$5,923,587	\$5,865,317	\$5,926,135	\$6,250,233	\$9,401,251	\$179,206,795
(39)	Inventory Finance	(24) + (25)	\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$67,526	\$77,259	\$84,218	\$88,985	\$96,268	\$103,467	\$933,328
(40)	Working Capital	(8) + (26)	\$75,067	\$156,147	\$249,038	\$84,367	\$93,710	\$63,084	\$34,801	\$29,207	\$28,915	\$29,220	\$46,678	\$70,572	\$960,807
(41)	NGPMP Credits	(7)	(\$908,333)	(\$908,333)	\$2,132,622	(\$908,333)	\$1,284,351	(\$908,333)	(\$908,333)	\$1,110,429	(\$908,333)	(\$908,333)	\$102,206	(\$908,333)	(\$2,637,057)
(42)	Total Costs	Sum[(38);(41)]	\$12,435,937	\$26,527,270	\$52,229,228	\$16,157,879	\$20,478,894	\$11,891,973	\$6,233,743	\$7,140,482	\$5,070,117	\$5,136,006	\$6,495,385	\$8,666,957	\$178,463,872
(43)	Revenue	(10) + (28)	\$7,646,017	\$16,247,508	\$29,665,279	\$24,231,976	\$22,181,827	\$26,491,974	\$14,770,652	\$5,987,251	\$4,967,605	\$4,204,872	\$4,234,688	\$6,050,689	\$166,680,338
(44)	Monthly Under/(Over) Recovery	(42) - (43)	\$4,789,920	\$10,279,762	\$22,563,949	(\$8,074,097)	(\$1,702,933)	(\$14,600,000)	(\$8,536,910)	\$1,153,232	\$102,512	\$931,134	\$2,260,697	\$2,616,268	\$11,783,534
(45)	Prelim. Ending Under/(Over) Recovery	(37) + (44)	\$19,600,488	\$29,966,651	\$52,580,679	\$44,594,271	\$42,984,604	\$28,480,682	\$20,024,647	\$21,234,618	\$21,385,945	\$22,371,439	\$24,687,951	\$27,362,887	
(46)	Month's Average Balance	[(37) + (45)] ÷ 2	\$17,205,528	\$24,826,770	\$41,298,704	\$48,631,319	\$43,836,070	\$35,780,682	\$24,293,102	\$20,658,002	\$21,334,689	\$21,905,871	\$23,557,602	\$26,054,753	
(47)	Interest Rate (BOA Prime minus 200 bps)		2.25%	2.38%	2.50%	2.50%	2.58%	2.75%	2.75%	2.88%	3.00%	3.00%	3.03%	3.25%	
(48)	Interest Applied	(15) + (33)	\$31,785	\$50,079	\$87,689	\$93,266	\$96,079	\$80,874	\$56,739	\$48,815	\$54,360	\$55,815	\$58,668	\$71,918	\$786,087
(49)	Gas Purchase Plan Incentives/(Penalties)	(34)	\$54,616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$54,616
(50)															
(51)	Ending Under/(Over) Recovery W/ Interest	(45) + (48) + (49)	\$19,686,889	\$30,016,730	\$52,668,368	\$44,687,536	\$43,080,683	\$28,561,556	\$20,081,386	\$21,283,433	\$21,440,304	\$22,427,254	\$24,746,619	\$27,434,805	\$27,434,805

Line (6): in March 2018 the Company included the actual O&M costs associated with the LNG Storage Units at Cumberland LNG facility.

* The company updated the months of September and October as per Docket No. 4770, effective September 1, 2018

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>Actual</u> (l)	Nov-Oct (m)	
<u>Projected Gas Costs using 10/05/2018 NYMEX settled</u>														
<u>Line No.</u>	<u>Description</u>												<u>Reference</u>	
(1)	SUPPLY FIXED COSTS - Pipeline Delivery													
(2)	Algonquin (includes East to West, Hubline, AMA credits, Crary Street)	\$1,619,095	\$1,688,947	\$1,688,831	\$1,684,605	\$1,682,355	\$1,686,724	\$1,686,476	\$1,597,162	\$1,675,059	\$1,684,411	\$1,686,310	\$1,681,291	\$20,061,268
(3)	TETCO/Texas Eastern	\$710,994	\$718,333	\$718,333	\$714,507	\$714,507	\$714,507	\$714,507	\$714,507	\$714,507	\$717,189	\$717,189	\$717,189	\$8,586,269
(4)	Tennessee	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,136,569	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,271	\$1,093,277	\$13,162,556
(5)	Tennessee Dracut for Peaking	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(6)	Iroquois	\$6,070	\$6,146	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$6,070	\$5,264	\$72,112
(7)	Union	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(8)	Transcanada	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(9)	Dominion	\$2,295	\$2,295	\$2,295	\$2,295	\$2,295	(\$28,532)	(\$28,532)	(\$28,532)	(\$34,537)	(\$28,532)	(\$28,532)	(\$28,532)	(\$194,258)
(10)	Transco	\$4,854	\$5,015	\$5,015	\$4,530	\$5,016	\$4,848	\$5,010	\$13,331	(\$3,473)	\$5,010	\$4,848	\$5,010	\$59,013
(11)	National Fuel	\$4,480	\$4,549	\$4,549	\$4,549	\$4,549	\$68	\$0	\$0	\$0	\$0	\$0	\$0	\$22,744
(12)	Columbia	\$307,936	\$307,936	\$295,136	\$298,989	\$269,412	\$288,511	\$288,551	\$241,817	\$290,061	\$290,061	\$290,061	\$297,861	\$3,466,331
(13)	Alberta Northeast	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(14)	Less Credits from Mkter Releases	(\$671,640)	(\$688,879)	(\$687,392)	(\$637,815)	(\$682,610)	(\$749,190)	(\$1,021,216)	(\$1,021,700)	(\$1,076,285)	(\$1,192,115)	(\$1,178,415)	(\$989,932)	(\$10,597,190)
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(15)	Supply Fixed - Supplier													
(16)	Distrigas FCS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(17)	Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(18)	STORAGE FIXED COSTS - Facilities													
(19)	Texas Eastern	\$88,875	\$85,450	\$85,426	\$85,041	\$85,008	\$84,942	\$84,968	\$84,864	\$84,846	\$85,046	\$85,046	\$85,074	\$1,024,587
(20)	Dominion	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$83,088	\$997,060
(21)	Tennessee	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$48,337	\$580,041
(22)	Columbia	\$9,694	\$9,694	\$9,694	\$9,694	(\$24,369)	\$9,694	\$9,694	\$9,694	\$9,694	\$9,694	\$9,694	\$9,694	\$82,265
(23)	STORAGE FIXED COSTS - Delivery													
(24)	Algonquin	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$215,436	\$2,585,230
(25)	TETCO	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$87,605	\$1,051,257
(26)	Tennessee	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$88,286	\$1,059,436
(27)	Dominion	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$30,774	\$369,288
(28)	Columbia	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$16,082	\$192,982
(29)	NG 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
(30)	Confidential Pipeline and Peaking Supplies	<u>\$433,181</u>	<u>\$466,683</u>	<u>\$2,152,572</u>	<u>\$2,139,916</u>	<u>\$2,139,916</u>	<u>\$796,371</u>	<u>\$926,229</u>	<u>\$407,488</u>	<u>\$433,571</u>	<u>\$445,171</u>	<u>\$465,878</u>	<u>\$460,095</u>	<u>\$11,267,069</u>
(31)	TOTAL FIXED COSTS	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,541,674	\$3,851,320	\$3,926,133	\$3,848,623	\$3,884,767	\$4,069,636	\$55,812,941

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>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>		
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
<u>Projected Gas Costs using 10/05/2018 NYMEX settled</u>															
<u>Line No.</u>	<u>Description</u>														
(32)	VARIABLE SUPPLY COSTS (Includes Injections)														
(33)	Tennessee (Includes ANE and Niagara)													\$0	
(34)	TETCO (Includes B&W)													\$0	
(35)	M3 Delivered													\$0	
(36)	Maumee													\$0	
(37)	Broadrun Col													\$0	
(38)	Columbia Eagle and Downingtown													\$0	
(39)	TETCO M2													\$0	
(40)	Dominion to TETCO FTS													\$0	
(41)	Transco Leidy													\$0	
(42)	DistriGas FCS													\$0	
(43)	Hubline													\$0	
(44)	Total Pipeline Commodity Charges	Sum[(33):(43)]	\$6,267,229	\$19,836,786	\$38,625,240	\$12,269,909	\$10,110,510	\$6,727,768	\$2,152,097	\$2,004,067	\$1,829,893	\$1,780,004	\$2,097,933	\$4,810,879	\$108,512,317
(45)	Hedging Settlements and Amortization		\$1,211,420	\$240,620	\$799,725	(\$2,968,937)	\$1,798,727	\$114,300	\$5,471	\$15,120	(\$88,908)	(\$90,855)	(\$134,605)	(\$98,590)	\$803,488
(46)	Hedging Contracts - Commission & Other Fees		\$6,189	\$51,886	\$79,326	\$73,596	\$73,578	(\$3,187)	(\$1,443)	(\$5,631)	\$30,911	\$39,550	\$72,003	\$33,625	\$450,403
(47)	Hedging Contracts - Net Carry of Collateral		\$1,141	\$1,517	\$492	\$425	\$609	\$255	\$405	\$208	\$323	\$429	\$371	\$506	\$6,680
(48)	Refunds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(49)	Less: Costs of Injections		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>										
(50)	TOTAL VARIABLE SUPPLY COSTS	Sum[(44):(49)]	\$7,485,980	\$20,130,810	\$39,504,783	\$9,374,993	\$11,983,423	\$6,839,136	\$2,156,530	\$2,013,763	\$1,772,220	\$1,729,129	\$2,035,702	\$4,746,420	\$109,772,888
(51)	Underground Storage		\$769,274	\$1,530,092	\$2,318,863	\$1,467,313	\$1,098,962	\$469,387	\$141,440	\$19,511	\$30,455	\$142,381	\$70,451	\$309,281	\$8,367,410
(52)	LNG Withdrawals and Trucking		\$70,178	\$1,215,597	\$1,289,263	\$182,675	\$82,699	\$489,938	\$109,152	\$74,782	\$84,172	\$92,087	\$72,823	\$82,578	\$3,845,945
(53)	Storage Delivery Costs		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>										
(54)	TOTAL VARIABLE STORAGE COSTS	Sum[(51):(53)]	\$839,453	\$2,745,689	\$3,608,126	\$1,649,988	\$1,181,660	\$959,326	\$250,592	\$94,294	\$114,627	\$234,468	\$143,274	\$391,859	\$12,213,355
(55)	TOTAL VARIABLE COSTS	(50) + (54)	\$8,325,433	\$22,876,499	\$43,112,909	\$11,024,981	\$13,165,084	\$7,798,461	\$2,407,122	\$2,108,057	\$1,886,847	\$1,963,597	\$2,178,976	\$5,138,279	\$121,986,243
(56)	TOTAL SUPPLY COSTS	(31) + (55)	\$12,667,886	\$27,309,286	\$49,220,057	\$17,163,981	\$19,193,851	\$12,439,093	\$6,948,796	\$5,959,377	\$5,812,979	\$5,812,220	\$6,063,743	\$9,207,915	\$177,799,184

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>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>	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
<u>Projected Gas Costs using 10/05/2018 NYMEX settled</u>														
<u>Line No.</u>	<u>Description</u>													
(57)	Storage Costs for FT-2 Calculation													
(58)	Storage Fixed Costs - Facilities	\$393,734	\$390,309	\$390,285	\$389,900	\$355,804	\$389,801	\$389,827	\$389,724	\$389,705	\$389,905	\$389,905	\$389,933	\$4,648,834
(59)	Storage Fixed Costs - Deliveries	<u>\$835,058</u>	<u>\$868,336</u>	<u>\$2,529,803</u>	<u>\$2,529,803</u>	<u>\$2,529,803</u>	<u>\$957,522</u>	<u>\$15,995,456</u>						
(60)	sub-total Storage Costs	Sum[(58):(59)]	\$1,228,792	\$1,258,645	\$2,920,088	\$2,919,703	\$2,885,607	\$1,347,323	\$1,347,349	\$1,347,246	\$1,347,228	\$1,347,427	\$1,347,455	\$20,644,290
(61)	Tennessee Dracut for Peaking.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(62)	Inventory Financing	\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$67,526	\$77,259	\$84,218	\$88,985	\$96,268	\$103,467	\$933,328
(63)	Supply related LNG O&M Costs	\$47,965	\$47,965	\$47,965	\$47,965	\$307,501	\$47,965	\$47,965	\$47,965	\$47,965	\$47,965	\$71,771	\$71,771	\$882,728
(64)	Working Capital Requirement	<u>\$3,042</u>	<u>\$3,139</u>	<u>\$12,786</u>	<u>\$12,788</u>	<u>\$12,591</u>	<u>\$3,019</u>	<u>\$3,020</u>	<u>\$3,019</u>	<u>\$3,019</u>	<u>\$3,020</u>	<u>\$4,583</u>	<u>\$4,583</u>	<u>\$68,607</u>
(65)	Total FT-2 Storage Fixed Costs	Sum[(60):(64)]	\$1,392,654	\$1,401,090	\$3,039,998	\$3,032,051	\$3,252,462	\$1,452,199	\$1,465,860	\$1,475,489	\$1,482,429	\$1,487,397	\$1,520,048	\$22,528,954
(66)	System Storage MDQ (Dth)	198,328	206,312	207,316	206,172	204,901	205,567	205,579	206,137	207,296	209,541	209,800	208,142	2,475,092
(67)	FT-2 Storage Cost per MDQ (Dth)	(65) ÷ (66)	\$7.0220	\$6.7911	\$14.6636	\$14.7064	\$15.8733	\$7.0644	\$7.1304	\$7.1578	\$7.1513	\$7.0984	\$7.2452	\$9.1023
(68)	Pipeline Variable	(55)	\$8,325,432	\$22,876,499	\$43,112,909	\$11,024,981	\$13,165,084	\$7,798,461	\$2,407,122	\$2,108,057	\$1,886,847	\$1,963,597	\$2,178,976	\$5,138,279
(69)	Less Non-firm Gas Costs		(\$69,482)	(\$174,134)	(\$239,752)	(\$363,158)	(\$57,060)	(\$95,167)	(\$97,271)	(\$42,064)	(\$31,998)	(\$21,238)	(\$21,683)	\$63,972
(70)	Less Company Use		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(71)	Less Manchester St Balancing		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(72)	Plus Cashout		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(73)	Less Mkter W/drawals/Injections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(74)	Mkter Over-takes/Undertakes		\$176,006	(\$10,908)	\$848,773	(\$171,116)	(\$368,635)	\$167,785	\$182,778	(\$61,186)	\$21,945	\$64,581	\$136,403	\$81,723
(75)	Plus Pipeline Srchg/Credit		\$525,389	\$234,248	\$240,982	\$241,914	\$219,394	\$242,528	\$234,727	\$241,971	\$233,523	\$239,492	\$240,231	\$3,128,832
(76)	Less Mkter FT-2 Daily weather true-up		(\$12,437)	(\$3,267)	(\$114,542)	\$225,738	(\$25,906)	\$96,202	(\$62,170)	(\$7,401)	(\$4,021)	(\$1,810)	\$0	(\$18,332)
(77)	TOTAL FIRM COMMODITY COSTS	Sum[(68):(76)]	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$2,665,186	\$2,239,378	\$2,106,295	\$2,244,622	\$2,533,927	\$125,106,247

GCR Revenue

Line No.	Description	Reference	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov-Oct
			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
(1)	I. Fixed Cost Revenue														
(2)	(a) Low Load dth	Sch. 6, Sum[(24):(28), (30)]	1,478,464	3,055,015	5,627,880	4,518,711	3,523,240	3,506,098	1,884,106	735,512	598,017	495,692	462,195	733,926	26,618,856
(3)	Fixed Cost Factor	(4) ÷ (2)	\$1.3460	\$1.5512	\$1.5518	\$1.5521	\$1.8382	\$1.5395	\$1.5517	\$1.5573	\$1.5619	\$1.5609	\$1.6257	\$1.5584	
(4)	Low Load Revenue		\$1,989,994.18	\$4,738,829	\$8,733,379	\$7,013,475	\$6,476,372	\$5,397,759	\$2,923,557	\$1,145,389	\$934,061	\$773,704	\$751,381	\$1,143,766	\$42,021,666
(5)	(b) High Load dth	Sch. 6, Sum[(22), (23), (29), (31)]	54,755	67,995	92,898	85,624	72,461	73,508	60,427	47,238	38,449	43,286	49,952	49,143	735,736
(6)	Fixed Cost Factor	(7) ÷ (5)	\$1.0189	\$1.1333	\$1.1341	\$1.1383	\$1.3754	\$1.1401	\$1.1256	\$1.1326	1.1366	1.1333	1.1425	1.1338	
(7)	High Load Revenue		\$55,792	\$77,058	\$105,354	\$97,469	\$99,665	\$83,810	\$68,020	\$53,504	\$43,701	\$49,057	\$57,068	\$55,718	\$846,216
(8)	sub-total throughput Dth	(2) + (5)	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,944,533	782,750	636,465	538,978	512,147	783,069	27,354,592
(9)	FT-2 Storage Revenue from marketers		\$154,547	\$187,123	\$314,755	\$318,628	\$249,245	\$306,325	\$370,929	\$176,817	\$177,698	\$179,587	\$182,168	\$180,904	\$2,798,725
(10)	Manchester Steet Volumes (dth)	Monthly Meter Use	930	763	501	576	495	1,253	1,440	1,010	1,175	1,027	935	927	
(11)	Fixed cost factor (dth)	Inherent in approved GCR	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.6027	\$1.5819	\$1.5819	
(12)	Manchester Street Revenue	(10) x (11)	\$1,490	\$1,222	\$802	\$924	\$793	\$2,008	\$2,307	\$1,618	\$1,882	\$1,645	\$1,479	\$1,466	\$17,638
(13)	TOTAL Fixed Revenue	(4) + (7) + (9) + (12)	\$2,201,823	\$5,004,233	\$9,154,290	\$7,430,496	\$6,826,074	\$5,789,902	\$3,364,813	\$1,377,328	\$1,157,343	\$1,003,994	\$992,096	\$1,381,854	\$45,684,245
(14)	II. Variable Cost Revenue														
(15)	(a) Firm Sales dth	(8)	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,944,533	782,750	636,465	538,978	512,147	783,069	27,354,592
(16)	Variable Supply Cost Factor	(17) ÷ (15)	\$3.5211	\$3.5698	\$3.5713	\$3.5703	\$4.2324	\$5.7770	\$5.8197	\$5.8402	\$5.8579	\$5.8523	\$6.0757	\$5.8446	
(17)	Variable Supply Revenue		\$5,398,547	\$11,148,618	\$20,430,812	\$16,438,937	\$15,218,596	\$20,679,478	\$11,316,629	\$4,571,452	\$3,728,359	\$3,154,276	\$3,111,649	\$4,576,724	\$119,774,076
(18)	(b) TSS Sales dth	Sch. 6, line (20)	2,513	12,138	24,197	27,895	22,935	20,288	14,962	31	234	527	11	3,264	128,993
(19)	TSS Surcharge Factor	Company's website	\$0.0000	\$0.0000	\$0.0000	\$0.3170	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
(20)	TSS Surcharge Revenue	(18) x (19)	\$0	\$0	\$0	\$8,843	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,843	
(21)	(c) Default Sales dth	Sch. 6, line (60)	4,332	9,934	11,836	12,359	9,199	10,571	8,376	1,824	1,291	1,141	5,842	4,501	81,205
(22)	Variable Supply Cost Factor	(23) ÷ (21)	\$6.75	\$8.23	\$5.95	\$27.45	\$14.52	(\$1.03)	\$5.44	(\$19.11)	\$4.33	\$6.40	\$13.48	\$5.05	
(23)	Variable Supply Revenue		\$29,250	\$81,788	\$70,376	\$339,267	\$133,568	(\$10,899)	\$45,559	(\$34,852)	\$5,587	\$7,307	\$78,745	\$22,734	\$768,429
(24)	(d) Peaking Gas Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(25)	(e) Deferred Responsibility		\$12,967	\$10,056	\$7,953	\$12,308	\$1,190	\$25,960	\$34,997	\$67,253	\$69,254	\$33,122	\$46,650	\$63,877	\$385,589
(26)	(e) FT-1 Storage and Peaking														
(27)	Manchester Steet Volumes (dth)	Monthly Meter Use	930	763	501	576	495	1,253	1,440	1,010	1,175	1,027	935	927	
(28)	Variable Supply Cost Factor (dth)	Inherent in approved GCR	\$3.6884	\$3.6884	\$3.6884	\$3.6884	\$4.8503	\$6.0123	\$6.0123	\$6.0123	\$6.0123	\$6.0123	\$5.9344	\$5.9344	
(29)	Manchester Street Revenue	(27) x (28)	\$3,430	\$2,812	\$1,847	\$2,126	\$2,399	\$7,533	\$8,656	\$6,071	\$7,061	\$6,173	\$5,548	\$5,501	\$59,157
(30)	TOTAL Variable Revenue	(17)+(20)+(23)+(24)+(25)+(26)+(29)	\$5,444,194	\$11,243,275	\$20,510,988	\$16,801,480	\$15,355,752	\$20,702,072	\$11,405,840	\$4,609,923	\$3,810,262	\$3,200,878	\$3,242,592	\$4,668,835	\$120,996,093
(31)	Total Gas Cost Revenue (w/o FT-2)	(13) + (30)	\$7,646,017	\$16,247,508	\$29,665,279	\$24,231,976	\$22,181,827	\$26,491,974	\$14,770,652	\$5,987,251	\$4,967,605	\$4,204,872	\$4,234,688	\$6,050,689	\$166,680,338

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

Line No.	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>												
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
(1)	Supply Fixed Costs	Sch. 1, line (4)	\$4,342,453	\$4,432,787	\$6,107,148	\$6,139,000	\$6,028,767	\$4,640,632	\$4,541,674	\$3,851,320	\$3,926,133	\$3,848,623	\$3,884,767	\$4,069,636	\$55,812,941
(2)	Less: LNG Demand to DAC	Sch. 1, line (5)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(3)	Plus: Supply Related LNG O&M Costs	Dkt 4323	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(4)	Total Adjustments	(2) + (3)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$262,800)	(\$3,153,600)
(5)	Allowable Working Capital Costs	(1) + (4)	\$4,079,653	\$4,169,987	\$5,844,348	\$5,876,200	\$5,765,967	\$4,377,832	\$4,278,874	\$3,588,520	\$3,663,333	\$3,585,823	\$3,621,967	\$3,806,836	\$52,659,341
(6)	Number of Days Lag*	Dkt 4323; Dkt 4770	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	32.92	32.92	
(7)	Working Capital Requirement	[(5) x (6)] ÷ 365	\$240,420	\$245,744	\$344,416	\$346,293	\$339,797	\$257,992	\$252,161	\$211,477	\$215,886	\$211,318	\$326,672	\$343,345	
(8)	Cost of Capital*	Dkt 4339 / Dkt 4770	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.15%	7.15%	
(9)	Return on Working Capital Requirement	(7) x (8)	\$17,454	\$17,841	\$25,005	\$25,141	\$24,669	\$18,730	\$18,307	\$15,353	\$15,673	\$15,342	\$23,357	\$24,549	
(10)	Weighted Cost of Debt*	Dkt 4323; Dkt 4770	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.42%	2.42%	
(11)	Interest Expense	(7) x (10)	\$6,203	\$6,340	\$8,886	\$8,934	\$8,767	\$6,656	\$6,506	\$5,456	\$5,570	\$5,452	\$7,905	\$8,309	
(12)	Taxable Income	(9) - (11)	\$11,252	\$11,501	\$16,119	\$16,207	\$15,903	\$12,074	\$11,801	\$9,897	\$10,103	\$9,890	\$15,452	\$16,240	
(13)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	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)	\$17,310	\$17,694	\$20,403	\$20,515	\$20,130	\$15,284	\$14,938	\$12,528	\$12,789	\$12,519	\$19,559	\$20,557	
(15)	Supply Fixed Working Capital Requirement	(11) + (14)	\$23,513	\$24,034	\$29,289	\$29,449	\$28,897	\$21,940	\$21,444	\$17,984	\$18,359	\$17,971	\$27,464	\$28,866	\$289,210
(16)	Supply Variable Costs	Sch. 1, line (21)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$2,665,186	\$2,239,378	\$2,106,295	\$2,244,622	\$2,533,927	\$5,500,076	\$125,106,247
(17)	Less: Balancing Related LNG Commodity (to DAC)	Sch. 1, line (22)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(18)	Plus: Supply Related LNG O&M Costs	Dkt 4323	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(19)	Total Adjustments	(17) + (18)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(20)	Allowable Working Capital Costs	(16) + (19)	\$8,944,909	\$22,922,438	\$43,848,371	\$10,958,359	\$12,932,876	\$8,209,810	\$2,665,186	\$2,239,378	\$2,106,295	\$2,244,622	\$2,533,927	\$5,500,076	\$125,106,247
(21)	Number of Days Lag*	Dkt 4323; Dkt 4770	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	21.51	32.92	32.92	
(22)	Working Capital Requirement	[(20) x (21)] ÷ 365	\$527,137	\$1,350,854	\$2,584,051	\$645,793	\$762,154	\$483,816	\$157,063	\$131,970	\$124,127	\$132,279	\$228,539	\$496,062	
(23)	Cost of Capital*	Dkt 4323; Dkt 4770	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.15%	7.15%	
(24)	Return on Working Capital Requirement	(22) x (23)	\$38,270	\$98,072	\$187,602	\$46,885	\$55,332	\$35,125	\$11,403	\$9,581	\$9,012	\$9,603	\$16,341	\$35,468	
(25)	Weighted Cost of Debt*	Dkt 4323; Dkt 4770	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.42%	2.42%	
(26)	Interest Expense	(22) x (25)	\$13,600	\$34,852	\$66,669	\$16,661	\$19,664	\$12,482	\$4,052	\$3,405	\$3,202	\$3,413	\$5,531	\$12,005	
(27)	Taxable Income	(24) - (26)	\$24,670	\$63,220	\$120,934	\$30,223	\$35,669	\$22,643	\$7,351	\$6,176	\$5,809	\$6,191	\$10,810	\$23,464	
(28)	1 - Combined Tax Rate	Dkt 4323; Dkt 4770	0.65	0.65	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)	\$37,954	\$97,261	\$153,080	\$38,257	\$45,150	\$28,662	\$9,305	\$7,818	\$7,353	\$7,836	\$13,683	\$29,701	
(30)	Supply Variable Working Capital Requirement	(26) + (29)	\$51,554	\$132,114	\$219,749	\$54,919	\$64,814	\$41,144	\$13,357	\$11,223	\$10,556	\$11,249	\$19,214	\$41,706	\$671,597

* The company updated the months of September and October as per Docket No. 4770, effective September 1, 2018

INVENTORY FINANCE

		<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>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>	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Line	<u>Description</u>	<u>Reference</u>												
<u>No.</u>														
(1)	Storage Inventory Balance		\$9,637,833	\$8,298,259	\$6,520,983	\$5,598,019	\$5,040,144	\$5,648,954	\$6,748,103	\$7,942,915	\$8,707,995	\$9,205,400	\$10,308,042	\$11,196,336
(2)	Monthly Storage Deferral/Amortization		<u>\$275,404</u>	<u>\$224,820</u>	<u>\$146,134</u>	<u>\$73,068</u>	<u>\$1</u>	<u>\$3,293</u>	<u>\$4,862</u>	<u>\$10,626</u>	<u>(\$20,236)</u>	<u>(\$59,495)</u>	<u>(\$131,407)</u>	<u>(\$164,962)</u>
(3)	Subtotal	(1) + (2)	\$9,913,237	\$8,523,079	\$6,667,117	\$5,671,087	\$5,040,146	\$5,652,247	\$6,752,965	\$7,953,541	\$8,687,760	\$9,145,905	\$10,176,636	\$11,031,374
(4)	Cost of Capital*	Dkt 4323; Dkt 4770	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.15%	7.15%	
(5)	Return on Working Capital Requirement	(3) x (4)	\$719,701	\$618,776	\$484,033	\$411,721	\$365,915	\$410,353	\$490,265	\$577,427	\$630,731	\$663,993	\$727,629	\$788,743
(6)	Weighted Cost of Debt*	Dkt 4323; Dkt 4770	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.42%	2.42%	
(7)	Interest Charges Financed	(3) x (6)	\$255,762	\$219,895	\$172,012	\$146,314	\$130,036	\$145,828	\$174,226	\$205,201	\$224,144	\$235,964	\$246,275	\$266,959
(8)	Taxable Income	(5) - (7)	\$463,939	\$398,880	\$312,021	\$265,407	\$235,879	\$264,525	\$316,039	\$372,226	\$406,587	\$428,028	\$481,355	\$521,784
(9)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	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)	\$713,753	\$613,662	\$394,963	\$335,958	\$298,581	\$334,842	\$400,049	\$471,172	\$514,667	\$541,808	\$609,310	\$660,486
(11)	Working Capital Requirement	(7) + (10)	\$969,515	\$833,557	\$566,975	\$482,272	\$428,617	\$480,670	\$574,276	\$676,373	\$738,811	\$777,772	\$855,585	\$927,445
(12)	Monthly Average	(11) ÷ 12	\$80,793	\$69,463	\$47,248	\$40,189	\$35,718	\$40,056	\$47,856	\$56,364	\$61,568	\$64,814	\$71,299	\$77,287
(13)	LNG Inventory Balance		\$3,933,984	\$2,684,514	\$1,680,685	\$1,609,519	\$1,558,618	\$1,952,417	\$2,775,547	\$2,948,436	\$3,196,141	\$3,410,636	\$3,563,891	\$3,736,746
(14)	Cost of Capital*	Dkt 4323; Dkt 4770	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.26%	7.15%	7.15%	
(15)	Return on Working Capital Requirement	(13) x (14)	\$285,607	\$194,896	\$122,018	\$116,851	\$113,156	\$141,745	\$201,505	\$214,056	\$232,040	\$247,612	\$254,818	\$267,177
(16)	Weighted Cost of Debt*	Dkt 4323; Dkt 4770	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.58%	2.42%	2.42%	
(17)	Interest Charges Financed	(13) x (16)	\$101,497	\$69,260	\$43,362	\$41,526	\$40,212	\$50,372	\$71,609	\$76,070	\$82,460	\$87,994	\$86,246	\$90,429
(18)	Taxable Income	(15) - (17)	\$184,110	\$125,635	\$78,656	\$75,325	\$72,943	\$91,373	\$129,896	\$137,987	\$149,579	\$159,618	\$168,572	\$176,748
(19)	1 - Combined Tax Rate	Dkt 4323	0.65	0.65	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)	\$283,247	\$193,285	\$99,565	\$95,349	\$92,333	\$115,662	\$164,425	\$174,667	\$189,341	\$202,048	\$213,382	\$223,732
(21)	Working Capital Requirement	(17) + (20)	\$384,744	\$262,546	\$142,926	\$136,874	\$132,546	\$166,034	\$236,034	\$250,736	\$271,801	\$290,042	\$299,628	\$314,161
(22)	Monthly Average	(21) ÷ 12	\$32,062	\$21,879	\$11,911	\$11,406	\$11,045	\$13,836	\$19,669	\$20,895	\$22,650	\$24,170	\$24,969	\$26,180
(23)	TOTAL GCR Inventory Financing Costs	(12) + (22)	\$112,855	\$91,342	\$59,158	\$51,596	\$46,764	\$53,892	\$67,526	\$77,259	\$84,218	\$88,985	\$96,268	\$103,467

* The company updated the months of September and October as per Docket No. 4770, effective September 1, 2018

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>Actual</u> (l)	<u>Nov-Oct</u> (m)
THROUGHPUT (Dth)													
Line No.	Rate Class												
(1) SALES													
(2) Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	30,778	20,876	17,267	14,401	16,043	17,997	368,427
(3) Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	992	550	458	358	406	497	9,660
(4) Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,306,376	501,624	399,062	327,622	275,453	496,524	18,440,742
(5) Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	117,403	50,413	40,182	33,300	38,800	48,836	1,505,084
(6) Small C&I	111,854	277,727	585,108	440,831	334,818	319,554	154,805	52,206	43,437	41,661	38,485	46,372	2,446,857
(7) Medium C&I	195,033	383,557	650,534	533,358	424,687	414,692	234,444	118,691	99,018	84,532	101,217	125,311	3,365,073
(8) Large LLF	32,729	77,403	145,182	120,731	101,572	99,605	52,679	10,910	15,118	7,487	9,085	13,217	685,718
(9) Large HLF	19,260	22,406	29,939	26,984	24,449	27,181	21,738	20,612	15,327	15,442	18,551	21,143	263,034
(10) Extra Large LLF	1,662	7,001	9,784	6,318	10,337	11,137	5,738	1,636	966	564	(856)	628	54,917
(11) Extra Large HLF	9,191	7,841	5,969	3,560	3,292	3,705	4,618	5,200	5,396	13,084	14,952	9,280	86,089
(12) Total Sales	1,530,707	3,110,872	5,696,582	4,576,441	3,572,766	3,559,318	1,929,572	782,719	636,232	538,451	512,136	779,805	27,225,599
(13) TSS													
(14) Small	26	327	1,270	1,577	928	895	409	5	0	31	0	63	5,530
(15) Medium	1,986	6,054	11,692	11,398	12,266	11,034	8,187	27	234	496	11	2,975	66,359
(16) Large LLF	501	5,293	10,605	10,619	8,970	8,523	4,065	0	0	0	0	0	48,576
(17) Large HLF	0	464	629	4,300	771	(164)	2,302	0	0	0	0	226	8,528
(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	2,513	12,138	24,197	27,895	22,935	20,288	14,962	31	234	527	11	3,264	128,993
(21) Sales & TSS THROUGHPUT													
(22) Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	30,778	20,876	17,267	14,401	16,043	17,997	368,427
(23) Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	992	550	458	358	406	497	9,660
(24) Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,306,376	501,624	399,062	327,622	275,453	496,524	18,440,742
(25) Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	117,403	50,413	40,182	33,300	38,800	48,836	1,505,084
(26) Small C&I	111,880	278,053	586,379	442,408	335,746	320,449	155,214	52,211	43,437	41,692	38,485	46,435	2,452,388
(27) Medium C&I	197,019	389,610	662,226	544,756	436,953	425,727	242,631	118,718	99,252	85,028	101,228	128,286	3,431,432
(28) Large LLF	33,230	82,697	155,787	131,351	110,543	108,127	56,744	10,910	15,118	7,487	9,085	13,217	734,294
(29) Large HLF	19,260	22,871	30,568	31,285	25,220	27,017	24,039	20,612	15,327	15,442	18,551	21,369	271,561
(30) Extra Large LLF	1,662	7,001	9,784	6,318	10,337	11,137	5,738	1,636	966	564	(856)	628	54,917
(31) Extra Large HLF	9,191	7,841	5,969	3,560	3,292	3,705	4,618	5,200	5,396	13,084	14,952	9,280	86,089
(32) Total Sales & TSS Throughput	1,533,220	3,123,009	5,720,779	4,604,335	3,595,701	3,579,606	1,944,533	782,750	636,465	538,978	512,147	783,069	27,354,592
(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	30,639	60,057	94,202	106,674	70,928	79,406	56,114	28,324	22,817	20,955	20,870	22,623	613,607
(36) FT-1 Large LLF	34,759	97,785	156,615	188,114	117,763	131,498	92,626	28,406	18,764	32,310	(2,444)	16,294	1,912,488
(37) FT-1 Large HLF	32,023	38,641	51,303	58,673	41,269	46,793	38,856	32,470	28,689	28,219	31,424	33,671	462,030
(38) FT-1 Extra Large LLF	48,732	127,674	194,739	224,079	151,917	171,030	126,757	46,116	25,013	21,466	22,009	26,872	1,186,404
(39) FT-1 Extra Large HLF	433,197	494,103	573,189	623,062	499,034	544,355	492,894	435,486	425,787	433,065	404,357	432,611	5,791,138
(40) Default	4,332	9,934	11,836	12,359	9,199	10,571	8,376	1,824	1,291	1,141	5,842	4,501	81,205
(41) Total FT-1 Transportation	583,682	828,194	1,081,884	1,212,960	890,109	983,653	815,622	572,624	522,361	537,155	482,057	536,572	9,046,873
(42) FT-2 TRANSPORTATION													
(43) FT-2 Small	6,121	14,942	30,920	23,834	18,268	17,792	9,661	3,132	1,963	2,288	1,681	3,337	133,939
(44) FT-2 Medium	115,362	220,831	362,383	302,105	252,568	225,062	142,061	67,418	55,558	46,178	49,653	65,449	1,904,628
(45) FT-2 Large LLF	60,802	159,214	267,279	214,763	179,315	174,043	107,417	33,875	20,295	10,994	19,235	33,853	1,281,083
(46) FT-2 Large HLF	36,322	47,803	63,254	59,154	50,624	53,196	39,633	30,068	27,451	25,349	28,130	32,987	493,971
(47) FT-2 Extra Large LLF	126	2,476	4,034	3,026	2,441	2,597	1,203	0	0	0	97	416	16,415
(48) FT-2 Extra Large HLF	47,318	52,276	60,012	46,226	43,247	46,933	39,757	42,217	31,497	27,478	30,745	36,826	504,532
(49) Total FT-2 Transportation	266,050	497,542	787,882	649,107	546,463	519,623	339,732	176,710	136,764	112,286	129,541	172,867	4,334,567
(49) Total THROUGHPUT													
(50) Residential Non-Heating	25,799	36,375	54,883	49,588	42,810	41,610	30,778	20,876	17,267	14,401	16,043	17,997	368,427
(51) Residential Non-Heating Low Income	506	908	1,479	1,192	1,139	1,176	992	550	458	358	406	497	9,660
(52) Residential Heating	1,049,547	2,123,640	3,918,609	3,156,062	2,437,110	2,449,113	1,306,376	501,624	399,062	327,622	275,453	496,524	18,440,742
(53) Residential Heating Low Income	85,126	174,014	295,095	237,817	192,552	191,545	117,403	50,413	40,182	33,300	38,800	48,836	1,505,084
(54) Small C&I	118,001	292,995	617,299	466,242	354,014	338,241	164,875	55,343	45,400	43,980	40,166	49,772	2,586,326
(55) Medium C&I	343,020	670,498	1,118,811	953,535	760,448	730,194	440,806	214,459	177,627	152,161	171,751	216,357	5,949,667
(56) Large LLF	128,791	339,695	579,680	534,227	407,621	413,668	256,787	73,190	54,177	50,790	54,177	63,364	2,927,865
(57) Large HLF	87,605	109,315	145,125	149,112	117,113	127,007	102,528	83,150	71,467	69,010	78,105	88,026	1,227,562
(58) Extra Large LLF	50,519	137,151	208,557	233,422	164,695	184,765	133,699	47,753	25,980	22,030	21,249	27,916	1,257,736
(59) Extra Large HLF	489,706	544,220	639,171	672,847	545,573	594,993	537,669	482,903	462,680	473,627	450,053	478,717	6,381,759
(60) Default	4,332	9,934	11,836	12,359	9,199	10,571	8,376	1,824	1,291	1,141	5,842	4,501	81,205
(61) Total Throughput	2,382,952	4,448,745	7,590,544	6,466,403	5,032,272	5,082,882	3,099,887	1,532,085	1,295,590	1,188,420	1,123,745	1,492,508	40,736,032