

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
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July 24, 2019

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	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast	
1 Fixed Costs				
2 TCPL				1e
3				1a
4 ANR				1e
5 GLGT				1e
6 Swan Valley & RM of Piney service territories				1e
7				
8 Total Fixed Costs	\$59,616,722	\$63,183,431	(\$3,566,708)	
9				
10 Variable Transportation Costs				
11 TCPL	\$88,375	\$0	\$88,375	
12 ANR	\$307,942	\$271,026	\$36,916	
13 GLGT	\$164,286	\$188,546	(\$24,260)	
14 Storage Gas - Transportation & Delivery Cost				1a
15 Supplemental Gas Delivered Service Imputed Transportation Cost				1a
16 Compressor Fuel Cost				1a
17 Miscellaneous Transportation Cost	\$38,461	\$0	\$38,461	
18 Primary Gas Delivered Service Imputed Transportation Cost				1a
19				
20 Total Variable Transport Costs	\$7,997,802	\$4,238,204	\$3,759,599	
21				
22 Supply Costs				
23 Primary				1a
24 Supplemental				1a
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles				1a
26				
27 Total Supply Costs	\$124,166,255	\$148,422,484	(\$24,256,229)	
28				
29 Other				
30 Minell	\$198,444	\$198,444	\$0	
31 Capacity Management	(\$4,614,472)	(\$5,100,000)	\$485,528	
32 Load Balancing Charges	\$199,425	\$250,000	(\$50,576)	
33 GLGT Rate Settlement Refund and Revenue Sharing True-Up	(\$602,779)	\$0	(\$602,779)	
34				
35 Total Other	(\$4,819,383)	(\$4,651,556)	(\$167,827)	
36				
37 Total Gas Cost Inflows	\$186,961,397	\$211,192,563	(\$24,231,166)	
38				
39 Purchased Volumes Excluding Primary WTS Supply (GJ)				
40 Primary Gas				1d
41 Supplemental Gas				1d
42 Supplemental Gas - Alternate Supply Service				1d
43 Total Volumes Excluding Primary WTS Supply (GJ)				1d
44				
45 Total Effective Heating Degree Days				1d
46				

Centra Gas Manitoba Inc.
 2019/20 General Rate Application Pre-hearing Update
 Purchase Variance Account - Primary Gas Account
 2017/18 Gas Year Actual

Schedule 8.8.1
 July 24, 2019

	Oct-17	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Total	
1 Inflows															
2															
3 Primary Gas Direct to Load															1a
4 Primary Gas from Storage															1a
5 Primary Gas Delivered Service															1a
6 Compressor Fuel for Primary Gas															1a
7															
8 Total Inflows															1e
9 Less: UFG Component to Distribution PGVA		(\$176,048)	(\$246,601)	(\$237,299)	(\$204,406)	(\$111,151)	(\$93,764)	(\$40,822)	(\$29,346)	(\$42,331)	(\$29,679)	(\$48,515)	(\$107,316)	(\$1,367,278)	
10 Plus: UFG True-up Transferred from Distribution PGVA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$531,430	\$0	\$0	\$0	\$0	\$531,430	
11 Less: FRPGS Cost of Gas		(\$8,815)	(\$14,897)	(\$15,072)	(\$16,238)	(\$8,503)	(\$6,222)	(\$3,604)	(\$1,304)	(\$1,662)	(\$1,422)	(\$1,877)	(\$4,712)	(\$84,327)	
12 Net After UFG Transfer															1a
13															
14 Outflows															
15 WACOG Outflows															1e
16 Primary Gas PGVA Rider Amortization															1e
17 Total Outflows															1e
18															
19 Carrying Costs															1e
20															
21 Net Balance															1a
22															
23 GJ															
24 Primary Gas Direct to Load															1d
25 Primary Gas from Storage															1d
26 Primary Gas Delivered Service															1d
27 Total															1d
28															
29 Monthly Unit Costs- \$/GJ															<u>Volume Weighted</u>
30 Primary Gas Direct to Load															<u>Average</u>
31 Primary Supply from Storage															1a
32 Primary Gas Delivered Service															1a
33 Primary Gas Average Unit Cost inc. Compressor Fuel															1a
34															
35															
36 Monthly Index Prices- \$/GJ															<u>Arithmetic Average</u>
37 Aeco Index Price		\$2.04	\$2.04	\$1.83	\$1.92	\$1.52	\$1.44	\$0.74	\$0.64	\$0.99	\$1.12	\$1.18	\$1.34	\$1.40	
38 Empress Index Price		\$2.63	\$2.94	\$2.55	\$3.30	\$2.27	\$2.20	\$2.21	\$2.26	\$2.26	\$2.35	\$2.40	\$2.24	\$2.47	

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Total	
1 Inflows														
2 Supplemental Supply Direct to the Load														1a
3 Storage Gas - Supplemental Supply														1a
4 Supplemental Gas Delivered Service														1a
5 Alternate Supply Service														1a
6														
7 Total Inflows														1e
8 Less: UFG Component to Distribution PGVA	(\$23,249)	(\$22,194)	(\$28,675)	(\$54,401)	(\$60,230)	(\$28,029)	(\$1,577)	\$0	\$0	\$0	(\$13,780)	(\$19,336)	(\$251,470)	
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$86,141	\$0	\$0	\$0	\$0	\$86,141	
10 Net Inflow After UFG Transfer														1e
11														
12 Outflows														
13 WACOG Outflows														1a
14 WACOG on Alternate Supply Service														1a
15 Total Outflows														1e
16														
17 Carrying Costs														1a
18														
19 Net Balance														
20														
21 GJ														
22 Supplemental Supply Direct to the Load														1d
23 Storage Gas - Supplemental Supply														1d
24 Supplemental Gas Delivered Service														1d
25 Alternate Supply Service														1d
26 Total														1d
27														
28														
29 Monthly Unit Costs- \$/GJ														<u>Volume Weighted</u>
30 Supplemental Supply Direct to the Load														<u>Average</u>
31 Storage Gas - Supplemental Supply														1a
32 Supplemental Gas Delivered Service														1a
33 Overall Supplemental Gas Average Unit Cost														1a
34 Alternate Supply Service														1a
35														
36 Monthly Index Prices- \$/GJ														<u>Arithmetic Average</u>
37 Emerson Index Price	\$3.07	\$3.62	\$3.40	\$5.05	\$3.09	\$2.91	\$3.06	\$2.88	\$2.90	\$2.91	\$2.88	\$2.89	\$3.22	
38 Michigan City Gate Index Price	\$3.42	\$3.37	\$3.50	\$3.67	\$2.95	\$2.98	\$3.07	\$3.14	\$3.12	\$3.12	\$3.04	\$3.06	\$3.20	
39 NYMEX Index Price	\$3.36	\$3.66	\$3.19	\$4.41	\$3.23	\$3.27	\$3.44	\$3.43	\$3.45	\$3.46	\$3.43	\$3.44	\$3.48	
40 Chicago/Joliet Index Price	\$3.42	\$3.80	\$3.55	\$4.16	\$3.16	\$2.98	\$2.90	\$3.07	\$3.08	\$3.08	\$2.98	\$2.98	\$3.26	

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Gas Variance Account - Supplemental Gas
2017/18 Actual vs. Interim Approved Forecast

Schedule 8.8.2 (b)
July 24, 2019

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <u>Inflows</u>			
2 Supplemental Supply Direct to the Load			1a
3 Storage Gas - Supplemental Supply			1a
4 Supplemental Gas Delivered Service			1a
5 Alternate Supply Service			1a
6			
7 Total Inflows			1e
8 Less: UFG Component to Distribution PGVA	(\$251,470)	(\$229,850)	(\$21,620)
9 Less: UFG True-up Transferred to Distribution PGVA	\$86,141	\$0	\$86,141
10 Net Inflow After UFG Transfer			1e
11			
12 <u>Outflows</u>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
15 Total Outflows			1e
16			
17 Carrying Costs to October 31, 2019			1e
18			
19 Net Balance			1a
20			
21 Supplemental Gas GJ's - System Supply (includes UFG)			1d
22 Alternate Supply Service GJ's			1d
23 Supplemental Gas Average Unit Cost - \$/GJ			1a
24 Alternate Supply Service Average Unit Cost - \$/GJ			1a

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Total
1 Inflows													
2													
3 Fixed Cost													
4 TCPL													
5													
6 ANR													
7 GLGT													
8 Swan Valley & RM of Piney service territories													
9													
10 Total Fixed Costs	\$5,178,290	\$5,133,552	\$5,008,636	\$5,075,946	\$5,087,006	\$4,968,272	\$4,825,115	\$4,849,415	\$4,832,857	\$4,837,024	\$4,824,962	\$4,995,647	\$59,616,722
11													
12 Variable Costs													
13 TCPL	\$1,592	\$820	\$762	\$272	\$9,667	\$11,766	\$24,164	\$4,452	\$5,671	\$6,261	\$12,038	\$10,911	\$88,375
14 ANR	\$58,992	\$86,030	\$95,444	\$51,715	\$15,762	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$307,942
15 GLGT	\$33,782	\$49,155	\$54,108	\$23,801	\$44,860	\$0	(\$41,420)	\$0	\$0	\$0	\$0	\$0	\$164,286
16 Storage Gas - Transportation & Delivery Cost	\$290,528	\$437,682	\$493,811	\$254,134	\$34,795	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,510,950
17 Supplemental Gas Delivered Service Imputed Transportation Cost													
18 Compressor Fuel for Storage and Supplemental Gas													
19 Primary Gas Delivered Service Imputed Transportation Cost													
20 GLGT Rate Settlement Refund and Revenue Sharing True-Up	\$0	\$0	\$0	\$0	(\$37,489)	\$0	\$0	(\$565,290)	\$0	\$0	\$0	\$0	(\$602,779)
21													
22 Total Variable Costs	\$726,417	\$890,011	\$1,696,918	\$1,792,728	\$1,270,834	\$742,551	(\$10,904)	(\$560,838)	\$5,671	\$6,261	\$133,009	(\$527,419)	\$6,165,238
23													
24 Other													
25 Load Balancing Charges	\$12,530	\$4,134	\$3,442	\$1,057	\$39,943	\$54,784	\$14,957	\$2,969	\$2,913	\$3,641	\$23,435	\$35,618	\$199,425
26 Capacity Management													(\$4,614,472)
27 Miscellaneous Transportation													\$38,461
28													
29													
30 Total Inflows	\$5,741,445	\$5,714,160	\$5,864,976	\$6,655,812	\$6,102,911	\$5,535,165	\$4,575,150	\$3,641,318	\$4,115,375	\$4,224,811	\$4,762,235	\$4,472,012	\$61,405,373
31													
32 Outflows													
33 WACOG Outflows	\$7,817,447	\$10,569,057	\$11,057,172	\$10,284,519	\$7,409,374	\$5,460,194	\$2,103,086	\$1,809,933	\$1,377,133	\$1,436,255	\$2,498,748	\$5,264,281	\$67,087,197
34													
35 Carrying Costs	(\$1,575)	(\$7,450)	(\$17,425)	(\$23,271)	(\$29,492)	(\$30,556)	(\$30,240)	(\$26,128)	(\$20,991)	(\$19,758)	(\$12,994)	(\$12,385)	(\$232,265)
36													
37 Net Balance	(\$2,077,577)	(\$6,939,924)	(\$12,149,544)	(\$15,801,522)	(\$17,137,477)	(\$17,093,061)	(\$14,651,236)	(\$12,845,979)	(\$10,128,727)	(\$7,359,929)	(\$5,109,436)	(\$5,914,089)	

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Centra Gas Manitoba Inc.
 2019/20 General Rate Application Pre-hearing Update
 Purchase Variance Account - Transportation
 2017/18 Actual vs. Interim Approved Forecast

Schedule 8.8.3 (b)
 July 24, 2019

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 Inflows			
2			
3 Fixed Cost			
4 TCPL			
5			
6 ANR			
7 GLGT			
8 Swan Valley & RM of Piney service territories			
9			
10 Total Fixed Costs	\$59,616,722	\$63,183,431	(\$3,566,708)
11			
12 Variable Costs			
13 TCPL	\$88,375	\$0	\$88,375
14 ANR	\$307,942	\$271,026	\$36,916
15 GLGT	\$164,286	\$188,546	(\$24,260)
16 Storage Gas - Transportation & Delivery Cost	\$1,510,950	\$1,680,804	(\$169,854)
17 Supplemental Gas Delivered Service Imputed Transportation Cost			
18 Compressor Fuel for Storage and Supplemental Gas			
19 Primary Gas Delivered Service Imputed Transportation Cost			
20 GLGT Rate Settlement Refund and Revenue Sharing True-Up	<u>(\$602,779)</u>	<u>\$0</u>	<u>(\$602,779)</u>
21			
22 Total Variable Costs	\$6,165,238	\$2,648,139	\$3,517,099
23			
24 Other			
25 TCPL Balancing Fees	\$199,425	\$250,000	(\$50,576)
26 Capacity Management	(\$4,614,472)	(\$5,100,000)	\$485,528
27 Miscellaneous Transportation	<u>\$38,461</u>	<u>\$0</u>	<u>\$38,461</u>
28			
29 Total Inflows	\$61,405,373	\$60,981,569	\$423,803
30			
31 Outflows			
32 WACOG Outflows	\$67,087,197	\$60,908,560	\$6,178,637
33			
34 Carrying Costs to October 31, 2019	<u>(\$411,971)</u>	<u>\$0</u>	<u>(\$411,971)</u>
35			
36 Net Balance	(\$6,093,795)	\$73,009	(\$6,166,804)

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Centra Gas Manitoba Inc.
 2019/20 General Rate Application Pre-hearing Update
 Purchase Gas Variance Account - Distribution
 2017/18 Gas Year Actual

Schedule 8.8.4 (a)
 July 24, 2019

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Total
Inflows													
1 Minell Pipeline Charges	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$198,444
2 UFG Costs Transferred In From Primary and Supplemental Gas PGVA's	\$199,297	\$268,794	\$265,973	\$258,807	\$171,382	\$121,793	\$42,399	\$29,346	\$42,331	\$29,679	\$62,295	\$126,651	\$1,618,747
3 UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$617,571)	\$0	\$0	\$0	\$0	(\$617,571)
4													
5 Total Inflows	\$215,834	\$285,331	\$282,510	\$275,344	\$187,919	\$138,330	\$58,936	(\$571,689)	\$58,868	\$46,216	\$78,832	\$143,188	\$1,199,620
6													
7 Outflows													
8 WACOG Outflows	\$282,715	\$368,022	\$380,615	\$349,424	\$277,187	\$197,148	\$88,296	\$77,067	\$65,327	\$63,907	\$98,668	\$194,787	\$2,443,164
9													
10 Carrying Costs	(\$52)	(\$180)	(\$361)	(\$473)	(\$659)	(\$787)	(\$924)	(\$1,573)	(\$2,115)	(\$2,634)	(\$2,486)	(\$2,767)	(\$15,011)
11													
12 Net Balance	(\$66,933)	(\$149,804)	(\$248,269)	(\$322,822)	(\$412,749)	(\$472,355)	(\$502,639)	(\$1,152,968)	(\$1,161,541)	(\$1,181,867)	(\$1,204,189)	(\$1,258,555)	

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Gas Variance Account - Distribution
2017/18 Actual vs. Interim Approved Forecast

Schedule 8.8.4 (b)
July 24, 2019

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <u>Inflows</u>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	\$1,618,747	\$2,145,506	(\$526,758)
4 UFG True-up Impacts Transferred to Primary & Supplemental PGVA's	(\$617,571)	\$0	(\$617,571)
5 Total Inflows	\$1,199,620	\$2,343,950	(\$1,144,330)
6			
7 <u>Outflows</u>			
8 WACOG Outflows	\$2,443,164	\$2,360,319	\$82,845
10 Total Outflows	\$2,443,164	\$2,360,319	\$82,845
11			
12 Carrying Costs to October 31, 2019	(\$53,255)	\$0	(\$53,255)
13			
14 Net Balance	(\$1,296,799)	(\$16,369)	(\$1,280,429)

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Variance Account - Heating Value Margin Deferral Account
2017/18 Gas Year Actual

Schedule 8.8.5
July 24, 2019

	<u>Actual Nov-17</u>	<u>Actual Dec-17</u>	<u>Actual Jan-18</u>	<u>Actual Feb-18</u>	<u>Actual Mar-18</u>	<u>Actual Apr-18</u>	<u>Actual May-18</u>	<u>Actual Jun-18</u>	<u>Actual Jul-18</u>	<u>Actual Aug-18</u>	<u>Actual Sep-18</u>	<u>Actual Oct-18</u>	<u>Total</u>
1 Heating Value (GJ/10 ³ m ³)	38.41	38.17	38.31	38.39	38.44	38.30	38.20	38.49	38.36	38.17	38.07	38.35	
2													
3 Heating Value Revenue Deferral													
4 Heating Value Cost Deferral													
5 Heating Value Margin Deferral													
6													
7 Carrying Costs													
8													
9													
10 Net Balance													
11													
12 Net Balance as at October 31, 2018													
13													
14 Carrying Costs - November 1, 2018 to October 31, 2019													
15													
16 Net Balance as at October 31, 2019													

1d

1e

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Outlook Gas Costs for 2018/19 Gas Year
Actuals for November 2018 to March 2019, Outlook for April 2019 to October 2019
Strip Date of April 26, 2019

Schedule 8.10.0
 July 24, 2019

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 Fixed Costs			
2 TCPL			
3			
4 ANR			
5 GLGT			
6 Swan Valley & RM of Piney service territories			
7			
8 Total Fixed Costs	\$58,657,725	\$63,183,431	(\$4,525,706)
9			
10 Variable Transportation Costs			
11 TCPL	\$7,673	\$0	\$7,673
12 ANR			
13 GLGT			
14 Storage Gas - Transportation & Delivery Cost			
15 Supplemental Gas Delivered Service Imputed Transportation Cost			
16 Compressor Fuel Cost			
17 Miscellaneous Transportation Cost	\$41,371	\$0	\$41,371
18 Primary Gas Delivered Service Imputed Transportation Cost			
19			
20 Total Variable Transport Costs	\$4,703,115	\$4,238,204	\$464,911
21			
22 Supply Costs			
23 Primary			
24 Supplemental			
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles			
26			
27 Total Supply Costs	\$153,220,857	\$148,422,484	\$4,798,373
28			
29 Other			
30 Minell	\$198,444	\$198,444	\$0
31 Capacity Management	(\$6,079,046)	(\$5,100,000)	(\$979,046)
32 Load Balancing Charges	\$216,616	\$250,000	(\$33,384)
33			
34 Total Other	(\$5,663,985)	(\$4,651,556)	(\$1,012,429)
35			
36 Total Gas Cost Inflows	\$210,917,711	\$211,192,563	(\$274,851)
37			
38 Purchased Volumes Excluding Primary WTS Supply (GJ)			
39 Primary Gas			
40 Supplemental Gas			
41 Supplemental Gas - Alternate Supply Service			
42 Total Volumes Excluding Primary WTS Supply (GJ)			
43			
44 Total Effective Heating Degree Days Outlook			

Centra Gas Manitoba Inc.
 2019/20 General Rate Application Pre-hearing Update
 Purchase Variance Account - Primary Gas Account
 2018/19 Gas Year Outlook

Schedule 8.10.1
 July 24, 2019

	Oct-18	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Outlook Apr-19	Outlook May-19	Outlook Jun-19	Outlook Jul-19	Outlook Aug-19	Outlook Sep-19	Outlook Oct-19	Total	
1 Inflows															
2															
3 Primary Gas Direct to Load															1a
4 Primary Gas from Storage															1a
5 Primary Gas Delivered Service															1a
6 Compressor Fuel for Primary Gas															1a
7															
8 Total Inflows															1e
9 Less: UFG Component to Distribution PGVA		(\$226,784)	(\$310,522)	(\$297,729)	(\$203,786)	(\$163,379)	(\$129,122)	(\$70,951)	(\$45,883)	(\$36,253)	(\$41,264)	(\$53,840)	(\$127,424)	(\$1,706,938)	
10 Less: UFG True-up Transferred from Distribution PGVA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
11 Less: FRPGS Cost of Gas		(\$9,803)	(\$22,834)	(\$16,509)	(\$18,609)	(\$21,724)	(\$3,587)	(\$1,346)	(\$778)	(\$485)	(\$470)	(\$812)	(\$2,929)	(\$99,885)	
12 Net After UFG Transfer															1a
13															
14 Outflows															
15 WACOG Outflows															1e
16 Primary Gas PGVA Rider Amortization															1e
17 Total Outflows															1e
18															
19 Carrying Costs															1e
20															
21 Net Balance															1a
22															
23 GJ															
24 Primary Gas Direct to Load															1d
25 Primary Gas from Storage															1d
26 Primary Gas Delivered Service															1d
27 Total															1d
28															
29 Monthly Unit Costs- \$/GJ															
30 Primary Gas Direct to Load															1a
31 Primary Supply from Storage															1a
32 Primary Gas Delivered Service															1a
33 Primary Gas Average Unit Cost inc. Compressor Fuel															1a
34															
35															
36 Monthly Index Prices- \$/GJ															
37 Aeco Index Price		\$1.90	\$2.15	\$1.61	\$1.85	\$2.07	\$1.37	\$1.11	\$0.94	\$0.96	\$1.06	\$1.12	\$1.43	<u>Arithmetic Average</u> \$1.46	
38 Empress Index Price		\$3.56	\$5.12	\$4.42	\$3.26	\$2.66	\$2.71	\$2.26	\$2.21	\$2.23	\$2.33	\$2.39	\$2.70	\$2.99	

Centra Gas Manitoba Inc.
 2019/20 General Rate Application Pre-hearing Update
 Purchase Gas Variance Account - Supplemental Gas
 2018/19 Gas Year Outlook

Schedule 8.10.2 (a)
 July 24, 2019

	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Outlook Apr-19	Outlook May-19	Outlook Jun-19	Outlook Jul-19	Outlook Aug-19	Outlook Sep-19	Outlook Oct-19	Total		
1 Inflows															
2 Supplemental Supply Direct to the Load															1a
3 Storage Gas - Supplemental Supply															1a
4 Supplemental Gas Delivered Service															1a
5 Alternate Supply Service															1a
6															
7 Total Inflows															1e
8 Less: UFG Component to Distribution PGVA	(\$38,522)	(\$24,737)	(\$13,244)	(\$85,459)	(\$93,188)	(\$3,850)	(\$19)	\$0	\$0	\$0	\$0	(\$136)	(\$259,155)		
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
10 Net Inflow After UFG Transfer															1e
11															
12 Outflows															
13 WACOG Outflows															1a
14 WACOG on Alternate Supply Service															1a
15 Total Outflows															1e
16															
17 Carrying Costs															1a
18															
19 Net Balance															
20															
21 GJ															
22 Supplemental Supply Direct to the Load															1d
23 Storage Gas - Supplemental Supply															1d
24 Supplemental Gas Delivered Service															1d
25 Alternate Supply Service															1d
26 Total															1d
27															
28															
29 Monthly Unit Costs- \$/GJ															
30 Supplemental Supply Direct to the Load															1a
31 Storage Gas - Supplemental Supply															1a
32 Supplemental Gas Delivered Service															1a
33 Overall Supplemental Gas Average Unit Cost															1a
34 Alternate Supply Service															1a
35															
36 Monthly Index Prices- \$/GJ															
37 Emerson Index Price	\$4.29	\$6.59	\$4.74	\$3.86	\$3.55	\$3.15	\$2.78	\$2.86	\$2.89	\$2.86	\$2.86	\$2.88	\$3.61		
38 Michigan City Gate Index Price	\$3.96	\$5.79	\$3.76	\$3.47	\$3.26	\$3.29	\$3.04	\$3.01	\$3.06	\$3.07	\$2.99	\$3.02	\$3.48		
39 NYMEX Index Price	\$4.02	\$6.10	\$4.54	\$3.68	\$3.62	\$3.46	\$3.27	\$3.29	\$3.35	\$3.37	\$3.36	\$3.40	\$3.79		
40 Chicago/Joliet Index Price	\$4.45	\$6.69	\$4.84	\$3.77	\$3.61	\$3.36	\$3.02	\$2.97	\$3.06	\$3.09	\$2.99	\$3.01	\$3.74		

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Gas Variance Account - Supplemental Gas
2018/19 Outlook vs. Interim Approved Forecast

Schedule 8.10.2 (b)
July 24, 2019

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <u>Inflows</u>			
2 Supplemental Supply Direct to the Load			1a
3 Storage Gas - Supplemental Supply			1a
4 Supplemental Gas Delivered Service			1a
5 Alternate Supply Service			1a
6			
7 Total Inflows			1e
8 Less: UFG Component to Distribution PGVA	(\$259,155)	(\$229,850)	(\$29,305)
9 Less: UFG True-up Transferred to Distribution PGVA	\$0	\$0	\$0
10 Net Inflow After UFG Transfer			1e
11			
12 <u>Outflows</u>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
15 Total Outflows			1e
16			
17 Carrying Costs to October 31, 2019			1e
18			
19 Net Balance			1a
20			
21 Supplemental Gas GJ's - System Supply (includes UFG)			1d
22 Alternate Supply Service GJ's			1d
23 Supplemental Gas Average Unit Cost - \$/GJ			1a
24 Alternate Supply Service Average Unit Cost - \$/GJ			1a

	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Outlook Apr-19	Outlook May-19	Outlook Jun-19	Outlook Jul-19	Outlook Aug-19	Outlook Sep-19	Outlook Oct-19	Total	
1 Inflows														
2														
3 Fixed Cost														
4 TCPL														
5														1e
6 ANR														1a
7 GLGT														1e
8 Swan Valley & RM of Piney service territories														1e
9														
10 Total Fixed Costs	\$5,520,346	\$5,564,823	\$5,524,939	\$4,909,801	\$4,935,200	\$4,652,238	\$4,650,506	\$4,649,428	\$4,563,938	\$4,563,101	\$4,562,205	\$4,561,200	\$58,657,725	
11														
12 Variable Costs														
13 TCPL	\$898	\$293	\$2,283	\$0	\$4,199	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,673	
14 ANR														1e
15 GLGT														1e
16 Storage Gas - Transportation & Delivery Cost														1a, 1c
17 Supplemental Gas Delivered Service Imputed Transportation Cost														1a
18 Compressor Fuel for Storage and Supplemental Gas														1a
19 Primary Gas Delivered Service Imputed Transportation Cost														1a
20														
21 Total Variable Costs	\$577,180	\$1,114	\$608,128	\$808,570	\$725,396	\$156,055	\$2	\$0	\$0	\$0	\$0	\$218,653	\$3,095,100	
22														
23 Other														
24 Load Balancing Charges	\$5,665	\$6,123	\$6,349	\$1,250	\$6,229	\$55,000	\$50,000	\$5,000	\$4,000	\$4,000	\$18,000	\$55,000	\$216,616	
25 Capacity Management													(\$6,079,046)	1a
26 Miscellaneous Transportation													\$41,371	1a & 1c
27														
28														
29 Total Inflows	\$5,571,980	\$4,807,683	\$5,310,014	\$4,988,926	\$5,051,502	\$4,496,626	\$4,333,842	\$4,287,762	\$4,201,271	\$4,200,434	\$4,213,539	\$4,468,186	\$55,931,766	
30														
31 Outflows														
32 WACOG Outflows	\$8,364,336	\$9,360,938	\$11,611,916	\$10,966,594	\$8,138,104	\$4,595,839	\$2,745,113	\$1,934,030	\$1,493,928	\$1,447,597	\$1,963,428	\$4,290,276	\$66,912,100	
33														
34 Carrying Costs	(\$3,521)	(\$11,907)	(\$23,525)	(\$34,164)	(\$47,977)	(\$61,973)	(\$60,124)	(\$54,948)	(\$48,244)	(\$40,980)	(\$34,316)	(\$31,121)	(\$452,801)	
35														
36 Net Balance	(\$2,795,877)	(\$7,361,039)	(\$13,686,466)	(\$19,698,298)	(\$22,832,877)	(\$22,994,062)	(\$21,465,458)	(\$19,166,675)	(\$16,507,575)	(\$13,795,718)	(\$11,579,924)	(\$11,433,135)		

**Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Variance Account - Transportation
2018/19 Outlook vs. Interim Approved Forecast**

**Schedule 8.10.3 (b)
July 24, 2019**

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <u>Inflows</u>			
2			
3 <u>Fixed Cost</u>			
4 TCPL			1e
5			1a
6 ANR			1e
7 GLGT			1e
8 Swan Valley & RM of Piney service territories			1e
9			
10 Total Fixed Costs	\$58,657,725	\$63,183,431	(\$4,525,706)
11			
12 <u>Variable Costs</u>			
13 TCPL	\$7,673	\$0	\$7,673
14 ANR			1e
15 GLGT			1e
16 Storage Gas - Transportation & Delivery Cost			1a
17 Supplemental Gas Delivered Service Imputed Transportation Cost			1a
18 Compressor Fuel for Storage and Supplemental Gas			1a
19 Primary Gas Delivered Service Imputed Transportation Cost			1a
20			
21 Total Variable Costs	\$3,095,100	\$2,648,139	\$446,961
22			
23 <u>Other</u>			
24 TCPL Balancing Fees	\$216,616	\$250,000	(\$33,384)
25 Capacity Management	(\$6,079,046)	(\$5,100,000)	(\$979,046)
26 Miscellaneous Transportation	<u>\$41,371</u>	<u>\$0</u>	<u>\$41,371</u>
27			
28 Total Inflows	\$55,931,766	\$60,981,569	(\$5,049,803)
29			
30 <u>Outflows</u>			
31 WACOG Outflows	\$66,912,100	\$60,908,560	\$6,003,540
32			
33 Carrying Costs to October 31, 2019	<u>(\$452,801)</u>	<u>\$0</u>	<u>(\$452,801)</u>
34			
35 Net Balance	(\$11,433,135)	\$73,009	(\$11,506,144)

	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Outlook Apr-19	Outlook May-19	Outlook Jun-19	Outlook Jul-19	Outlook Aug-19	Outlook Sep-19	Outlook Oct-19	Total
Inflows													
1 Minell Pipeline Charges	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$198,444
2 UFG Costs Transferred In From Primary and Supplemental Gas PGVA's	\$265,306	\$335,259	\$310,973	\$289,245	\$256,567	\$132,973	\$70,970	\$45,883	\$36,253	\$41,264	\$53,840	\$127,560	\$1,966,092
3 UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4													
5 Total Inflows	\$281,843	\$351,796	\$327,510	\$305,782	\$273,104	\$149,510	\$87,507	\$62,420	\$52,790	\$57,801	\$70,377	\$144,097	\$2,164,536
6													
Outflows													
7 WACOG Outflows	\$299,639	\$323,307	\$419,891	\$374,737	\$289,990	\$169,355	\$107,942	\$80,792	\$67,303	\$64,896	\$80,779	\$160,083	\$2,438,713
8													
9													
10 Carrying Costs	(\$20)	(\$8)	(\$79)	(\$238)	(\$360)	(\$483)	(\$538)	(\$592)	(\$639)	(\$669)	(\$695)	(\$733)	(\$5,054)
11													
12 Net Balance	(\$17,815)	\$10,666	(\$81,794)	(\$150,987)	(\$168,233)	(\$188,561)	(\$209,536)	(\$228,500)	(\$243,650)	(\$251,415)	(\$262,511)	(\$279,230)	

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Gas Variance Account - Distribution
2018/19 Outlook vs. Interim Approved Forecast

Schedule 8.10.4 (b)
July 24, 2019

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <u>Inflows</u>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	<u>\$1,966,092</u>	<u>\$2,145,506</u>	<u>(\$179,413)</u>
4 Total Inflows	\$2,164,536	\$2,343,950	(\$179,413)
6			
7 <u>Outflows</u>			
8 WACOG Outflows	<u>\$2,438,713</u>	<u>\$2,360,319</u>	<u>\$78,394</u>
10 Total Outflows	\$2,438,713	\$2,360,319	\$78,394
11			
12 Carrying Costs to October 31, 2019	<u>(\$5,054)</u>	<u>\$0</u>	<u>(\$5,054)</u>
13			
14 Net Balance	(\$279,230)	(\$16,369)	(\$262,861)

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Variance Account - Heating Value Margin Deferral Account
2018/19 Gas Year Outlook

Schedule 8.10.5
July 24, 2019

	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Outlook Apr-19	Outlook May-19	Outlook Jun-19	Outlook Jul-19	Outlook Aug-19	Outlook Sep-19	Outlook Oct-19	Total
1 Heating Value (GJ/10 ³ m ³)	38.20	38.18	38.34	38.22	38.26								
2													
3 Heating Value Revenue Deferral													
4 Heating Value Cost Deferral													
5 Heating Value Margin Deferral													
6													
7 Carrying Costs													
8													
9													
10 Net Balance													

1d

1e

Summary of All Non-Primary Gas Cost Deferral Balances to October 31, 2019	Pre-hearing update based on April 26, 2019 strip	Application based on May 15, 2018 strip	Variance	Variance Explanation	
1 <u>2018/19 Gas Year Outlook Balances</u>					
2 Supplemental Gas PGVA		n/a		Discussion provided in Section 2.1.2 of Pre-hearing Update	1e
3 Transportation PGVA	(\$11,433,135)	n/a	(\$11,433,135)	Discussion provided in Section 2.1.3 of Pre-hearing Update	
4 Distribution PGVA	(\$279,230)	n/a	(\$279,230)	Discussion provided in Section 2.1.4 of Pre-hearing Update	
5 Heating Value Margin Deferral		n/a		Discussion provided in Section 2.1.5 of Pre-hearing Update	1e
6					
7 <u>2017/18 Gas Year Balances</u>					
8 Supplemental Gas PGVA				Two items contribute to the [REDACTED] in the balance [REDACTED]. Firstly, the 2017/18 Gas Year's final actual Supplemental Gas Average Unit Cost of [REDACTED] than the outlook Supplemental Gas Average Unit Cost provided through the initial Application. The [REDACTED] differential multiplied against the total Supplemental Gas volumes (excluding Alternate Supply Service) of [REDACTED] when compared to the initial Application. Secondly, the proposed October 31, 2019 rate rider implementation date is three months later than envisioned in the initial Application, resulting in additional carrying costs of [REDACTED]	1a, 1d, 1e
9 Transportation PGVA	(\$6,093,795)	(\$4,333,471)	(\$1,760,324)	The overall balance owing to customers increased by \$1.8 M. The following are items Owing to Centra / (Owing to Customers): (i) (\$0.6 M) GLGT Rate Settlement Refund and Revenue Sharing True-Up; (ii) [REDACTED] Delivered Service Imputed Transportation cost impacts; (iii) (\$0.4 M) Capacity Management revenues greater than forecast; (iv) (\$0.5 M) WACOG outflows greater than forecast due to colder weather and higher throughput volumes in September and October 2018; (v) (\$0.1 M) of carrying costs; (vi) [REDACTED] ANR and GLGT cost [REDACTED] resulting from CAD\$/USD\$ foreign exchange rates.	1a, 1e
10 Distribution PGVA	(\$1,296,799)	(\$684,690)	(\$612,108)	The UFG true-up booked in June 2018, relating to the prior 12-month period, credits \$0.6 M to customers as the actual UFG percentage of 0.56% was lower than the 0.9% forecast.	
11 Heating Value Margin Deferral				A [REDACTED] is the result of heating values ranging between 38.07 to 38.49 GJ/10 ³ m ³ for the period of May 2018 thru October 2018 as compared to forecast of [REDACTED] GJ/10 ³ m ³ .	1e
12					
13 <u>2016/17 Gas Year Balances</u>					
14 Supplemental Gas PGVA				Carrying cost differences applicable to the period through October 31, 2019.	1e
15 Transportation PGVA	\$4,907,720	\$4,865,813	\$41,908	Carrying cost differences applicable to the period through October 31, 2019.	
16 Distribution PGVA	(\$955,267)	(\$947,110)	(\$8,156)	Carrying cost differences applicable to the period through October 31, 2019.	
17 Heating Value Margin Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
18					
19 <u>2015/16 Gas Year Balances</u>					
20 Supplemental Gas PGVA				Carrying cost differences applicable to the period through October 31, 2019.	1e
21 Transportation PGVA	\$5,101,428	\$5,057,867	\$43,561	Carrying cost differences applicable to the period through October 31, 2019.	
22 Distribution PGVA	(\$1,700,712)	(\$1,686,188)	(\$14,524)	Carrying cost differences applicable to the period through October 31, 2019.	
23 Heating Value Margin Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
24					
25					
26 October 31, 2015 Prior-Period Gas Cost Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
27					
28 Total	(\$21,337,277)	(\$6,437,117)	(\$14,900,160)		

<u>Unit Rates for Fixed Transportation</u>		Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	
1	TCPL Firm Transport Empress to MDA	CDN\$/GJ/Month	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	\$14.1815	
2	Abandonment Charge		\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	\$1.4043	
3	TCPL Firm Transport Empress to SSDA	CDN\$/GJ/Month	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	\$10.5321	
4	Abandonment Charge		\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	\$0.9831	
5	TCPL Firm Transport Emerson to MDA	CDN\$/GJ/Month	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	
6	Abandonment Charge		\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	
7	TCPL STS	CDN\$/GJ/Month	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	\$4.1936	
8	Abandonment Charge		\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	\$0.2516	
9	TCPL Firm Service Empress to CTHI (RM of Piney)	CDN\$/GJ/Month	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	\$15.8155	
10	Abandonment Charge		\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	\$1.5929	
11														
12														
13														
14														
15	Nova Gas Transmission Limited	CDN\$/GJ/Month	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	
16	Abandonment Charge		\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	
17														
18	Many Islands (Former Swan Valley Gas)	CDN\$/GJ/Month	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	\$9.9971	
19														
20	TransGas (Former Swan Valley Gas)	CDN\$/GJ/Month	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	\$6.0078	
21														
22	CTHI Firm Service (RM of Piney)	CDN\$/10 ³ m ³ /Month	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	\$498.0033	
23	Abandonment Charge	CDN\$/10 ³ m ³ /Month	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	\$75.0400	
24														
25	ANR Seasonal Storage Capacity Reservation	CDN\$/GJ/Month	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294	
26	ANR Seasonal Storage Deliverability	CDN\$/GJ/Month	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	
27	ANR Annual Storage Capacity Reservation	CDN\$/GJ/Month	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321	
28	ANR Annual Storage Deliverability	CDN\$/GJ/Month	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715	
29	ANR Joliet to Storage Winter	CDN\$/GJ/Month	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	
30	ANR Storage to Deward	CDN\$/GJ/Month	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746	
31														
32	GLGT Deward to Emerson	CDN\$/GJ/Month	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093	
33														
34														
35														
36														
37														
38														
39														
40														
41														
42	<u>Unit Rates for Variable Transportation</u>													
43														
44	TCPL STS Forward Haul Delivery Pressure	CDN\$/GJ	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	
45														
46	ANR Storage Withdrawal	CDN\$/GJ	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155	
47	ANR Storage Trans From Crystal Falls	CDN\$/GJ	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	
48														
49	GLGT Withdrawal	CDN\$/GJ	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134	
50														
51														
52														
53														
54														
55														
56														
57														
58														
59														
60	<u>Commodity Unit Supply Prices</u>													
61	Primary Gas Direct to Load	CDN\$/GJ												
62	Primary Supply from Storage	CDN\$/GJ												
63	Primary Gas Delivered Service	CDN\$/GJ												
64	Primary Gas Average Unit Cost incl. Compressor Fuel	CDN\$/GJ												
65														
66														
67	Aeco Index Price	CDN\$/GJ	\$1.78	\$2.02	\$2.13	\$2.09	\$1.74	\$1.21	\$1.11	\$1.16	\$1.19	\$1.20	\$1.19	\$1.33
68	Empress Index Price	CDN\$/GJ	\$2.66	\$2.90	\$3.01	\$2.97	\$2.62	\$2.36	\$2.26	\$2.31	\$2.34	\$2.35	\$2.34	\$2.48
														<u>Arithmetic Average</u>
														\$1.51
														\$2.55

1a
1a

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Volume Weighted

1a
1a
1a
1a

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Fixed and Variable Transportation Unit Costs, Unit Supply Prices, Fuel Ratios, UFG and Heating Value
2019/20 Gas Year Forecast
Supply prices for 2019/20 Gas Year per forward strip as of: April 26, 2019

Schedule 8.11.1
 July 24, 2019

														<u>Volume Weighted</u>	
														<u>Average</u>	
69															
70															
71	Supplemental Gas Direct to Load	CDN\$/GJ													1a
72	Storage Gas - Supplemental Supply	CDN\$/GJ													1a
73	Overall Supplemental Gas Average Unit Cost	CDN\$/GJ													1a
74															
75															
76	Emerson Index Price	CDN\$/GJ	\$3.43	\$3.62	\$3.72	\$3.65	\$3.51	\$2.58	\$2.53	\$2.57	\$2.61	\$2.62	\$2.61	\$2.63	<u>Arithmetic Average</u>
77	Michigan City Gate Index Price	CDN\$/GJ	\$3.17	\$3.37	\$3.42	\$3.38	\$3.32	\$2.95	\$2.87	\$2.78	\$2.89	\$2.91	\$2.83	\$2.89	\$3.01
78	NYMEX Index Price	CDN\$/GJ	\$3.39	\$3.58	\$3.68	\$3.62	\$3.47	\$3.09	\$3.05	\$3.09	\$3.13	\$3.14	\$3.12	\$3.15	\$3.29
79	Chicago Index Price	CDN\$/GJ	\$3.20	\$3.66	\$3.94	\$3.88	\$3.29	\$2.90	\$2.78	\$2.74	\$2.90	\$2.91	\$2.86	\$2.87	\$3.16
80															
81	Storage Gas - Transportation Costs	CDN\$/GJ													1a
82															
83	Exchange Rates														
84															
85	CAD/USD Exchange Rate	CAD\$/USD\$	\$1.30	\$1.30	\$1.30	\$1.30	\$1.30	\$1.28	\$1.28	\$1.28	\$1.28	\$1.28	\$1.28	\$1.28	
86															
87	Fuel Ratios - %														
88															
89	TCPL Empress to Manitoba	%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	1.24%	
90	TCPL Empress to Sask	%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	
91	TCPL Empress to Emerson	%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	
92	TCPL Emerson to Manitoba	%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	
93															
94	ANR Crystal Falls to and from Storage	%	0.63%	0.63%	0.63%	0.63%	0.63%								
95	ANR Joliet to Crystal Falls	%	0.63%	0.63%	0.63%	0.63%	0.63%								
96	ANR Storage Injection	%	0.00%	0.00%	0.00%	0.00%	0.00%								
97															
98															
99															
100															1a
101															1a
102															1a
103															1a
104															1a
105															
106	UFG & System Forecast Heating Value														
107															
108	Unaccounted For Gas Percentage (UFG)	%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	
109	Heating Value	10 ³ m ³ /GJ													1d

Supply prices for 2019/20 Gas Year per forward strip as of:

April 26, 2019

		Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Total	
1	Fixed Transportation Costs (Including Abandonment Surcharges)														
2	TransCanada Pipelines Limited	CAD													1e
3															1a
4	ANR	CAD													1e
5	GLGT	CAD													1e
6	Swan Valley & RM of Piney service territories	CAD													1e
7															1a, 1e
8															1a, 1e
9															
10	Total Fixed Transportation Costs	CAD												\$59,521,829	1e
11															
12	Variable Transportation Costs														
13	Load Balancing Charges	CAD	\$16,000	\$9,000	\$9,000	\$8,000	\$17,000	\$55,000	\$50,000	\$5,000	\$4,000	\$4,000	\$18,000	\$55,000	\$250,000
14	Compressor Fuel for Primary Gas	CAD													1a
15	Compressor Fuel for Storage and Supplemental Gas	CAD													1a, 1c
16	Storage Gas - Transportation & Delivery Cost	CAD													1e
17	ANR	CAD													1e
18	GLGT	CAD													1e
19	Primary Gas Delivered Service	CAD													1a
20															1a, 1e
21															1a, 1e
22															1a, 1c
23	Total Variable Transportation Costs	CAD												\$3,651,566	1e
24															
25	Supply Costs														
26															
27	Primary Supply Direct to System Supply Load	CAD													1a
28	Primary Gas Delivered Service	CAD													1a
29	Storage Gas - Primary Supply for System	CAD													1a
30	Storage Gas - Supplemental Supply	CAD													1a
31	Supplemental Gas Direct to Load	CAD													1a
32															
33	Total Supply Costs	CAD												\$125,988,721	1e
34															
35	Other Costs														
36															
37	Minell Charges	CAD	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$198,444
38	Capacity Management Forecast	CAD	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$366,667)	(\$4,400,000)
39															
40	Total Other Costs	CAD	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$350,130)	(\$4,201,556)
41															
42	Total Cost of Gas	CAD												\$184,960,559	1e

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Purchase Cost of Gas Supplied to Load
2019/20 Gas Year Forecast
Supply prices for 2019/20 Gas Year per forward strip as of:

Schedule 8.11.3 (b)
July 24, 2019

April 26, 2019

		<u>Total</u>	
1	<u>Fixed Transportation Costs (Including Abandonment Surcharges)</u>		
2	TransCanada Pipelines Limited	CAD	[REDACTED] 1e
3	[REDACTED]		[REDACTED] 1a
4	ANR	CAD	[REDACTED] 1e
5	GLGT	CAD	[REDACTED] 1e
6	Swan Valley & RM of Piney service territories	CAD	[REDACTED] 1e
7	[REDACTED]		[REDACTED] 1a, 1e
8	[REDACTED]		[REDACTED] 1a, 1e
9			
10	Total Fixed Transportation Costs	CAD	\$59,521,829
11			
12	<u>Variable Transportation Costs</u>		
13	Load Balancing Charges	CAD	\$250,000
14	Compressor Fuel for Primary Gas	CAD	[REDACTED] 1a
15	Compressor Fuel for Storage and Supplemental Gas	CAD	[REDACTED] 1a
16	Storage Gas - Transportation & Delivery Cost	CAD	[REDACTED] 1a
17	ANR	CAD	[REDACTED] 1e
18	GLGT	CAD	[REDACTED] 1e
19	Primary Gas Delivered Service	CAD	[REDACTED] 1a
20	[REDACTED]		[REDACTED] 1a, 1e
21	[REDACTED]		[REDACTED] 1a, 1e
22	[REDACTED]		[REDACTED] 1a
23	Total Variable Transportation Costs	CAD	\$3,651,566
24			
25	<u>Supply Costs</u>		
26			
27	Primary Supply Direct to System Supply Load	CAD	[REDACTED] 1a
28	Primary Gas Delivered Service	CAD	[REDACTED] 1a
29	Storage Gas - Primary Supply for System	CAD	[REDACTED] 1a
30	Storage Gas - Supplemental Supply	CAD	[REDACTED] 1a
31	Supplemental Gas Direct to Load	CAD	[REDACTED] 1a
32			
33	Total Supply Costs	CAD	\$125,988,721
34			
35	<u>Other Costs</u>		
36			
37	Minell Charges	CAD	\$198,444
38	Capacity Management Forecast	CAD	(\$4,400,000)
39			
40	Total Other Costs	CAD	(\$4,201,556)
41			
42	Total Cost of Gas	CAD	<u>\$184,960,559</u>

Centra Gas Manitoba Inc.
2019/20 General Rate Application Pre-hearing Update
Difference Between Forecasted Non-Primary Gas Costs
and Non-Primary Gas Costs Recoverable With Existing Base Rates
Supply prices for 2019/20 Gas Year per forward strip as of:

Schedule 8.11.4
July 24, 2019

April 26, 2019

	(1) Recoverable at Existing Base Rates	(2) Forecast for 2019/20	(3) Difference
1 Primary Gas ¹			
2 Supplemental Gas			
3 Transportation			
4 Distribution			
5			
6			
7 Totals	\$201,613,754	\$184,960,559	(\$16,653,195)
8			
9			
10 Non-Primary Gas Cost Totals	\$80,610,420	\$71,063,443	(\$9,546,977)
11			

1a
1a
1e
1e

12 Note 1: Primary Gas cost recoverable at existing base rates is calculated using the approved May 1, 2019 Primary Gas billed rate.

	19/20 Test Year Forecast	Interim Approved Forecast	19-20 Test Year Forecast vs. Interim Approved Forecast
1 Fixed Costs			
2 TCPL			1e
3			1a
4 ANR			1e
5 GLGT			1e
6 Swan Valley & RM of Piney service territories			1e
7			1a, 1e
8			1a, 1e
9			
10 Total Fixed Costs	\$59,521,829	\$63,183,431	(\$3,661,602)
11			
12 Variable Transportation Costs			
13 TCPL	\$0	\$0	\$0
14 ANR			1e
15 GLGT			1e
16 Storage Gas - Transportation & Delivery Cost			1a
17 Supplemental Gas Delivered Service Imputed Transportation Cost			1a
18 Compressor Fuel Cost	\$1,403,868	\$2,097,828	(\$693,960)
19 Miscellaneous Transportation Cost	\$0	\$0	\$0
20 Primary Gas Delivered Service Imputed Transportation Cost			1a
21			1a, 1e
22			1a, 1e
23			1a
24 Total Variable Transport Costs	\$3,401,566	\$4,238,204	(\$836,638)
25			
26 Supply Costs			
27 Primary			1a
28 Supplemental			1a
29 Supplemental Gas - Alternate Service for Curtailed Interruptibles			1a
30			
31 Total Supply Costs	\$125,988,720	\$148,422,484	(\$22,433,764)
32			
33 Other			
34 Minell	\$198,444	\$198,444	\$0
35 Capacity Management	(\$4,400,000)	(\$5,100,000)	\$700,000
36 Load Balancing Charges	\$250,000	\$250,000	\$0
37			
38 Total Other	(\$3,951,556)	(\$4,651,556)	\$700,000
39			
40 Total Gas Cost Inflows	\$184,960,559	\$211,192,563	(\$26,232,003)
41			
42 Purchased Volumes Excluding Primary WTS Supply (GJ)			
43 Primary Gas			1d
44 Supplemental Gas			1d
45 Supplemental Gas - Alternate Supply Service			1d
46			
47 Total Volumes Excluding Primary WTS Supply (GJ)			1d