

**Centra Gas Manitoba Inc.  
2019/20 General Rate Application  
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Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Actual Gas Costs for 2014/15 Gas Year

Schedule 8.5.0

	Gas Year Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast	
<b>1 Fixed Costs</b>				
2 TCPL				1e
3 [REDACTED]				1a
4 ANR				1e
5 GLGT				1e
6 Swan Valley & RM of Piney service territories				1e
7				
8 <b>Total Fixed Costs</b>	<b>\$62,555,677</b>	<b>\$62,382,467</b>	<b>\$173,210</b>	
9				
<b>10 Variable Transportation Costs</b>				
11 TCPL	\$30,778	\$22,549	\$8,228	
12 ANR	\$301,501	\$301,501	\$0	
13 GLGT	\$262,210	\$262,210	\$0	
14 Storage Gas - Transportation & Delivery Cost				1e
15 Supplemental Gas Delivered Service Imputed Transportation Cost				1a
16 Compressor Fuel Cost				1a
17 Miscellaneous Transportation Cost	\$76,029	\$76,004	\$26	
18 Primary Gas Delivered Service Imputed Transportation Cost				1a
19				
20 <b>Total Variable Transport Costs</b>	<b>\$5,144,744</b>	<b>\$5,164,305</b>	<b>(\$19,560)</b>	
21				
<b>22 Supply Costs</b>				
23 Primary				1a
24 Supplemental				1a
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles				1a
26				
27 <b>Total Supply Costs</b>	<b>\$170,990,566</b>	<b>\$173,130,602</b>	<b>(\$2,140,037)</b>	
28				
<b>29 Other</b>				
30 Minell	\$198,444	\$198,444	\$0	
31 Capacity Management	(\$3,135,644)	(\$3,727,190)	\$591,546	
32 Load Balancing Charges	\$220,912	\$257,089	(\$36,177)	
33				
34 <b>Total Other</b>	<b>(\$2,716,288)</b>	<b>(\$3,271,658)</b>	<b>\$555,369</b>	
35				
36 <b>Total Gas Cost Inflows</b>	<b>\$235,974,699</b>	<b>\$237,405,717</b>	<b>(\$1,431,018)</b>	
37				
<b>38 Purchased Volumes Excluding Primary WTS Supply (GJ)</b>				
39 Primary Gas				1d
40 Supplemental Gas				1d
41 Supplemental Gas - Alternate Supply Service				1d
42 <b>Total Volumes Excluding Primary WTS Supply (GJ)</b>				1d
43				
44 <b>Total Effective Heating Degree Days</b>				1d
45				

Centra Gas Manitoba Inc.  
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 Purchase Variance Account - Primary Gas Account  
 2014/15 Gas Year Actual

Schedule 8.5.1

	Oct-14	Actual Nov-14	Actual Dec-14	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Total	
1 <b>Inflows</b>															
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 <b>Total Inflows</b>															1e
9 Less: UFG Component to Distribution PGVA		(\$310,379)	(\$346,151)	(\$319,923)	(\$268,078)	(\$146,031)	(\$129,869)	(\$97,729)	(\$77,051)	(\$61,341)	(\$73,399)	(\$73,117)	(\$126,130)	(\$2,029,207)	
10 Less: UFG True-up Transferred from Distribution PGVA		\$0	\$0	\$0	\$0	\$0	\$0	\$568,715	\$0	\$0	\$0	\$0	\$0	\$568,715	
11 Less: FRPGS Cost of Gas		(\$40,023)	(\$56,707)	(\$46,717)	(\$43,761)	(\$25,707)	(\$21,966)	(\$9,285)	(\$3,728)	(\$1,758)	(\$1,268)	(\$3,361)	(\$8,810)	(\$263,091)	
12 <b>Net After UFG Transfer</b>															1a
13															
14 <b>Outflows</b>															
15 WACOG Outflows															1e
16 Primary Gas PGVA Rider Amortization															1e
17 <b>Total Outflows</b>															1e
18															
19 Carrying Costs															1e
20															
21 <b>Net Balance</b>															1a
22															
23 <b>GJ</b>															
24 Primary Gas Direct to Load															1d
25 Primary Gas from Storage															1d
26 Primary Gas Delivered Service															1d
27 <b>Total</b>															1d
28															
29 <b>Monthly Unit Costs- \$/GJ</b>															<b>Volume Weighted Average</b>
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 <b>Monthly Index Prices- \$/GJ</b>															<b>Arithmetic Average</b>
37 Aeoo Index Price		\$3.59	\$3.94	\$3.19	\$2.60	\$2.59	\$2.54	\$2.42	\$2.63	\$2.45	\$2.71	\$2.79	\$2.70	\$2.85	
38 Empress Index Price		\$3.67	\$4.20	\$3.60	\$2.93	\$2.83	\$2.67	\$2.60	\$2.82	\$2.65	\$2.90	\$2.98	\$2.88	\$3.06	

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Supplemental Gas  
 2014/15 Gas Year Actual

Schedule 8.5.2 (a)

	Actual Nov-14	Actual Dec-14	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Total	
1 <b>Inflows</b>														
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 <b>Total Inflows</b>														1e
8 Less: UFG Component to Distribution PGVA	(\$32,360)	(\$51,895)	(\$64,816)	(\$84,822)	(\$103,747)	(\$10,035)	(\$3,130)	(\$254)	\$0	(\$9b)	(\$444)	(\$3,110)	(\$384,703)	
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$93,459	\$0	\$0	\$0	\$0	\$93,459	
10 <b>Net Inflow After UFG Transfer</b>														1e
11														
12 <b>Outflows</b>														
13 WACOG Outflows														1a
14 WACOG on Alternate Supply Service														1a
15 <b>Total Outflows</b>														1e
16														
17 Carrying Costs														1a
18														
19 <b>Net Balance</b>														
20														
21 <b>Gj</b>														
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 <b>Total</b>														1d
27														
28														
29 <b>Monthly Unit Costs- \$/GJ</b>														<b>Volume Weighted Average</b>
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 <b>Monthly Index Prices- \$/GJ</b>														<b>Arithmetic Average</b>
37 Emerson Index Price	\$4.20	\$5.59	\$4.28	\$3.59	\$4.57	\$3.06	\$3.13	\$3.27	\$3.34	\$3.56	\$3.49	\$3.37	\$3.79	
38 Michigan City Gate Index Price	\$4.19	\$5.11	\$3.67	\$3.22	\$3.78	\$3.18	\$3.43	\$3.19	\$3.48	\$3.64	\$3.75	\$3.28	\$3.66	
39 NYMEX Index Price	\$4.04	\$4.71	\$3.84	\$3.40	\$3.48	\$2.98	\$2.97	\$3.33	\$3.43	\$3.62	\$3.35	\$3.18	\$3.53	
40 Chicago/Joliet Index Price	\$4.12	\$5.73	\$4.45	\$3.62	\$4.51	\$2.98	\$2.89	\$3.39	\$3.34	\$3.62	\$3.50	\$3.39	\$3.79	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Supplemental Gas**  
**2014/15 Actual vs. Interim Approved Forecast**

Schedule 8.5.2 (b)  
 March 8, 2019

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <b>Inflows</b>			
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 <b>Total Inflows</b>			1e
8 Less: UFG Component to Distribution PGVA	(\$354,703)	(\$351,492)	(\$3,211)
9 Less: UFG True-up Transferred to Distribution PGVA	\$93,459	\$93,459	\$0
10 <b>Net Inflow After UFG Transfer</b>			1e
11			
12 <b>Outflows</b>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
15 <b>Total Outflows</b>			1e
16			
17 Carrying Costs			1e
18			
19 <b>Net Balance</b>		\$563,931	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

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Variance Account - Transportation  
 2014/15 Gas Year Actual

Schedule 8.5.3 (a)

	Actual Nov-14	Actual Dec-14	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Total
1 <b>Inflows</b>													
2													
3 <b>Fixed Cost</b>													
4 TCPL													
5													
6 ANR													
7 GLGT													
8 Swan Valley & RM of Piney service territories													
9													
10 Total Fixed Costs	\$4,405,522	\$5,153,198	\$6,034,465	\$6,007,464	\$5,142,974	\$5,603,120	\$4,854,019	\$4,856,770	\$4,820,363	\$4,839,445	\$4,857,986	\$5,780,350	\$62,555,677
11													
12 <b>Variable Costs</b>													
13 TCPL	\$5,793	\$2,250	\$504	\$0	\$5,390	\$2,904	\$5,709	\$0	\$975	\$0	\$833	\$6,420	\$30,778
14 ANR	\$58,497	\$47,958	\$67,405	\$75,441	\$34,239	\$17,961	\$0	\$0	\$0	\$0	\$0	\$0	\$301,501
15 GLGT	\$43,013	\$43,909	\$61,983	\$71,398	\$26,212	\$1,818	\$13,876	\$0	\$0	\$0	\$0	\$0	\$282,210
16 Storage Gas - Transportation & Delivery Cost	\$429,178	\$346,578	\$444,371	\$505,661	\$226,329	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,952,117
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													
21 Total Variable Costs	\$638,761	\$534,262	\$738,705	\$870,758	\$395,097	\$284,865	\$32,131	(\$55)	\$975	\$103	\$6,142	\$19,157	\$3,499,000
22													
23 <b>Other</b>													
24 TCPL Balancing Fees	\$7,638	\$7,012	\$4,608	\$3,268	\$3,468	\$66,111	\$82,724	\$6,260	\$2,357	\$7,554	\$2,704	\$27,209	\$220,912
25 Capacity Management													(\$3,135,844)
26 Miscellaneous Transportation													\$76,029
27													
28 Total Inflows	\$4,989,264	\$5,571,361	\$6,501,877	\$6,294,884	\$5,168,542	\$6,039,563	\$4,853,861	\$4,574,040	\$4,478,202	\$4,481,692	\$4,532,545	\$5,730,143	\$63,215,974
29													
30 <b>Outflows</b>													
31 WACOG Outflows	\$6,608,092	\$7,325,720	\$8,324,042	\$8,384,401	\$5,422,065	\$3,252,147	\$2,054,626	\$1,344,961	\$1,063,928	\$1,095,723	\$1,228,881	\$2,705,779	\$48,790,366
32													
33 Carrying Costs	(\$1,264)	(\$4,054)	(\$6,590)	(\$7,396)	(\$9,865)	(\$8,249)	(\$4,754)	(\$472)	\$3,695	\$7,479	\$11,148	\$15,388	(\$4,934)
34													
35 Net Balance	(\$1,620,093)	(\$3,378,506)	(\$5,207,262)	(\$7,284,174)	(\$7,547,563)	(\$4,768,396)	(\$1,973,915)	\$1,254,693	\$4,672,662	\$8,086,110	\$11,380,922	\$14,420,674	

2019/20 General Rate Application  
Purchase Variance Account - Transportation  
2014/15 Actual vs. Interim Approved Forecast

Schedule 8.5.3 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <u>Inflows</u>			
2			
3 <u>Fixed Cost</u>			
4 TCPL			
5			
6 ANR			1e
7 GLGT			1a
8 Swan Valley & RM of Piney service territories			1e
9			1e
10 <b>Total Fixed Costs</b>	<b>\$62,555,677</b>	<b>\$62,382,467</b>	<b>\$173,210</b>
11			
12 <u>Variable Costs</u>			
13 TCPL	\$30,778	\$22,549	\$8,228
14 ANR	\$301,501	\$301,501	\$0
15 GLGT	\$262,210	\$262,210	\$0
16 Storage Gas - Transportation & Delivery Cost	\$1,952,117	\$1,952,117	\$0
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 <b>Total Variable Costs</b>	<b>\$3,499,000</b>	<b>\$3,473,267</b>	<b>\$25,734</b>
22			
23 <u>Other</u>			
24 TCPL Balancing Fees	\$220,912	\$257,089	(\$36,177)
25 Capacity Management	(\$3,135,644)	(\$3,727,190)	\$591,546
26 Miscellaneous Transportation	\$76,029	\$76,004	\$26
27			
28 <b>Total Inflows</b>	<b>\$63,215,974</b>	<b>\$62,461,636</b>	<b>\$754,338</b>
29			
30 <u>Outflows</u>			
31 <b>WACOG Outflows</b>	<b>\$48,790,366</b>	<b>\$49,577,869</b>	<b>(\$787,503)</b>
32			
33 Carrying Costs	(\$4,934)	\$13,059	(\$17,993)
34			
35 <b>Net Balance</b>	<b>\$14,420,674</b>	<b>\$12,896,825</b>	<b>\$1,523,849</b>

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Distribution**  
**2014/15 Gas Year Actual**

Schedule 8.5.4 (a)

	Actual Nov-14	Actual Dec-14	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Total
<b>Inflows</b>													
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	\$342,739	\$398,046	\$384,739	\$352,899	\$249,779	\$139,903	\$100,859	\$77,315	\$61,341	\$73,489	\$73,561	\$129,240	\$2,383,910
3 UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$662,174)	\$0	\$0	\$0	\$0	(\$662,174)
4													
5 <b>Total Inflows</b>	<b>\$359,276</b>	<b>\$414,583</b>	<b>\$401,276</b>	<b>\$369,436</b>	<b>\$266,316</b>	<b>\$156,440</b>	<b>\$117,396</b>	<b>(\$568,321)</b>	<b>\$77,878</b>	<b>\$90,026</b>	<b>\$90,098</b>	<b>\$145,777</b>	<b>\$1,920,180</b>
6													
<b>Outflows</b>													
7 WACOG Outflows	\$304,442	\$327,016	\$362,191	\$361,934	\$247,217	\$153,901	\$103,990	\$73,301	\$63,038	\$62,819	\$69,725	\$133,033	\$2,262,606
8													
9 Carrying Costs	\$43	\$160	\$248	\$219	\$264	\$280	\$307	(\$126)	(\$510)	(\$456)	(\$419)	(\$417)	(\$407)
10													
11													
12 <b>Net Balance</b>	<b>\$54,876</b>	<b>\$142,603</b>	<b>\$181,937</b>	<b>\$189,658</b>	<b>\$209,021</b>	<b>\$211,840</b>	<b>\$225,553</b>	<b>(\$416,195)</b>	<b>(\$401,866)</b>	<b>(\$375,115)</b>	<b>(\$355,161)</b>	<b>(\$342,833)</b>	



**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Gas Year Distribution**  
**2014/15 Actual vs. Interim Approved Forecast**

Schedule 8.5.4 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <b><u>Inflows</u></b>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	\$2,383,910	\$2,413,759	(\$29,849)
4 UFG True-up Impacts Transferred to Primary & Supplemental PGVA's	(\$662,174)	(\$662,174)	\$0
5 <b>Total Inflows</b>	<b>\$1,920,180</b>	<b>\$1,950,030</b>	<b>(\$29,849)</b>
6			
7 <b><u>Outflows</u></b>			
8 WACOG Outflows	\$2,262,606	\$2,302,223	(\$39,617)
10 <b>Total Outflows</b>	<b>\$2,262,606</b>	<b>\$2,302,223</b>	<b>(\$39,617)</b>
11			
12 Carrying Costs	(\$407)	(\$1,231)	\$824
13			
14 <b>Net Balance</b>	<b>(\$342,833)</b>	<b>(\$353,424)</b>	<b>\$10,591</b>

	Actual <u>Nov-14</u>	Actual <u>Dec-14</u>	Actual <u>Jan-15</u>	Actual <u>Feb-15</u>	Actual <u>Mar-15</u>	Actual <u>Apr-15</u>	Actual <u>May-15</u>	Actual <u>Jun-15</u>	Actual <u>Jul-15</u>	Actual <u>Aug-15</u>	Actual <u>Sep-15</u>	Actual <u>Oct-15</u>	<u>Total</u>
1 Heating Value (GJ/10 <sup>3</sup> m <sup>3</sup> )	37.96	37.96	38.24	38.46	38.11	38.11	38.02	38.07	38.05	37.92	38.02	38.41	
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													

	Actual	Pre-Hearing Update <sup>1</sup>	Variance	Variance Explanation
1 October 31, 2014 Prior-Period Supplemental Gas Cost Deferral	\$23,113,874	\$22,628,457	\$485,417	Warmer than normal temperatures from July to October 2015 reduced volumetric consumption and associated deferral amortizations.
2 October 31, 2014 Prior-Period Non-Supplemental Gas Cost Deferral	(\$444,787)	(\$421,041)	(\$23,746)	
3				
4 <b>2014/15 Gas Year Balances</b>				
5 Supplemental PGVA		\$563,931		
6 Transportation PGVA	\$14,420,674	\$12,896,825	\$1,523,849	\$0.8 M lower than forecast July through October 2015 WACOG outflows due to warmer than normal weather, \$0.6 M lower than forecast Capacity Management revenues, \$0.2 M Transportation cost inflow increase mainly attributable to foreign exchange rate conversion (i.e. actual CAD/USD of \$1.32 vs. forecast of \$1.28), which are slightly offset by \$0.1 M of cost reductions relating to lower than forecast TCPL Balancing Fees and Transportation PGVA carrying costs
7 Distribution PGVA	(\$342,833)	(\$353,424)	\$10,591	
8 Heating Value Margin Deferral		\$774,051		
9				
10 <b>Total All Non-Primary Gas Cost Deferral Account Balances as at October 31, 2015</b>		<b>\$36,088,798</b>		
11				
12 Note 1 Pre-Hearing Update includes actual results to June 2015 and outlook results for July through October 2015 based on a July 31, 2015 Futures Market Strip				
13				



Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Actual Gas Costs for 2015/16 Gas Year

Schedule 8.6.0

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast	
1 <b>Fixed Costs</b>				
2 TCPL				1e
3 [REDACTED]				1a
4 ANR				1e
5 GLGT				1e
6 Swan Valley & RM of Piney service territories				1e
7				
8 <b>Total Fixed Costs</b>	<b>\$60,213,369</b>	<b>\$63,183,431</b>	<b>(\$2,970,062)</b>	
9				
10 <b>Variable Transportation Costs</b>				
11 TCPL	\$35,316	\$0	\$35,316	
12 ANR	\$204,178	\$271,026	(\$66,848)	
13 GLGT	\$139,673	\$188,546	(\$48,872)	
14 Storage Gas - Transportation & Delivery Cost				1e
15 Supplemental Gas Delivered Service Imputed Transportation Cost				1a
16 Compressor Fuel Cost				1a
17 Miscellaneous Transportation Cost	\$165,028	\$0	\$165,028	
18 Primary Gas Delivered Service Imputed Transportation Cost				1a
19				
20 <b>Total Variable Transport Costs</b>	<b>\$6,619,096</b>	<b>\$4,238,204</b>	<b>\$2,380,892</b>	
21				
22 <b>Supply Costs</b>				
23 Primary				1a
24 Supplemental				1a
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles				1a
26				
27 <b>Total Supply Costs</b>	<b>\$103,163,621</b>	<b>\$148,422,484</b>	<b>(\$45,258,863)</b>	
28				
29 <b>Other</b>				
30 Minell	\$198,444	\$198,444	\$0	
31 Capacity Management	(\$5,079,410)	(\$5,100,000)	\$20,590	
32 Load Balancing Charges	\$203,043	\$250,000	(\$46,957)	
33				
34 <b>Total Other</b>	<b>(\$4,677,923)</b>	<b>(\$4,651,556)</b>	<b>(\$26,367)</b>	
35				
36 <b>Total Gas Cost Inflows</b>	<b>\$165,318,163</b>	<b>\$211,192,563</b>	<b>(\$45,874,400)</b>	
37				
38 <b>Purchased Volumes Excluding Primary WTS Supply (GJ)</b>				
39 Primary Gas				1d
40 Supplemental Gas				1d
41 Supplemental Gas - Alternate Supply Service				1d
42 <b>Total Volumes Excluding Primary WTS Supply (GJ)</b>				1d
43				
44 <b>Total Effective Heating Degree Days</b>				1d
45				

	Oct-15	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Total	
1 <b>Inflows</b>															
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 <b>Total Inflows</b>															1e
9 Less. UFG Component to Distribution PGVA		(\$161,020)	(\$198,216)	(\$233,350)	(\$195,114)	(\$107,723)	(\$71,967)	(\$37,885)	(\$42,511)	(\$54,245)	(\$63,292)	(\$70,878)	(\$135,997)	(\$1,372,168)	
10 Less. UFG True-up Transferred from Distribution PGVA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,039,792	\$0	\$0	\$0	\$0	\$1,039,792	
11 Less. FRPGS Cost of Gas		(\$13,419)	(\$18,034)	(\$19,568)	(\$10,556)	(\$4,608)	(\$3,840)	(\$1,516)	(\$1,728)	(\$1,751)	(\$1,675)	(\$2,756)	(\$5,530)	(\$84,893)	
12 <b>Net After UFG Transfer</b>															1a
13															
14 <b>Outflows</b>															
15 WACOG Outflows															1e
16 Primary Gas PGVA Rider Amortization															1e
17 <b>Total Outflows</b>															1e
18															
19 Carrying Costs															1e
20															
21 <b>Net Balance</b>															1a
22															
23 <b>GJ</b>															
24 Primary Gas Direct to Load															1d
25 Primary Gas from Storage															1d
26 Primary Gas Delivered Service															1d
27 <b>Total</b>															1d
28															
29 <b>Monthly Unit Costs - \$/GJ</b>															<u>Volume Weighted Average</u>
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 <b>Monthly Index Prices - \$/GJ</b>															<u>Arithmetic Average</u>
37 Aeco Index Price		\$2.44	\$2.39	\$2.20	\$2.23	\$1.58	\$1.22	\$1.04	\$1.28	\$1.85	\$2.19	\$2.22	\$2.47	\$1.93	
38 Empress Index Price		\$2.64	\$2.57	\$2.38	\$2.42	\$1.68	\$1.40	\$1.23	\$1.43	\$2.08	\$2.37	\$2.54	\$2.68	\$2.12	

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Supplemental Gas  
 2015/16 Gas Year Actual

Schedule 8.6.2 (a)

	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Total	
1 <b>Inflows</b>														
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 <b>Total Inflows</b>														1a
8 Less: UFG Component to Distribution PGVA	(\$15,270)	(\$19,227)	(\$17,189)	(\$23,602)	(\$13,781)	(\$7,143)	(\$2,193)	\$0	\$0	\$0	\$0	(\$8,348)	(\$106,752)	
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$73,495	\$0	\$0	\$0	\$0	\$73,495	
10 <b>Net Inflow After UFG Transfer</b>														1e
11														
12 <b>Outflows</b>														
13 WACOG Outflows														1a
14 WACOG on Alternate Supply Service														1a
15 <b>Total Outflows</b>														1e
16														
17 Carrying Costs														1a
18														
19 <b>Net Balance</b>														
20														
21 <b>GJ</b>														
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 <b>Total</b>														1d
27														
28														
29 <b>Monthly Unit Costs- \$/GJ</b>														<b>Volume Weighted Average</b>
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 <b>Monthly Index Prices- \$/GJ</b>														<b>Arithmetic Average</b>
37 Emerson Index Price	\$2.94	\$3.31	\$3.52	\$3.00	\$2.23	\$2.26	\$2.27	\$2.15	\$3.31	\$2.99	\$3.33	\$3.44	\$2.90	
38 Michigan City Gate Index Price	\$3.05	\$2.93	\$3.20	\$2.96	\$2.09	\$2.31	\$2.49	\$2.54	\$3.48	\$3.55	\$3.62	\$3.41	\$2.97	
39 NYMEX Index Price	\$2.57	\$2.89	\$3.17	\$2.81	\$2.10	\$2.26	\$2.48	\$2.42	\$3.61	\$3.32	\$3.55	\$3.75	\$2.91	
40 Chicago/Joliet Index Price	\$2.88	\$3.27	\$3.35	\$2.96	\$2.32	\$2.33	\$2.51	\$2.38	\$3.37	\$3.27	\$3.62	\$3.57	\$2.99	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Supplemental Gas**  
**2015/16 Actual vs. Interim Approved Forecast**

**Schedule 8.6.2 (b)**  
**March 8, 2019**

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
<b>1 Inflows</b>			
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			
<b>7 Total Inflows</b>			1e
8 Less: UFG Component to Distribution PGVA	(\$106,752)	(\$229,850)	\$123,098
9 Less: UFG True-up Transferred to Distribution PGVA	\$73,495	\$0	\$73,495
<b>10 Net Inflow After UFG Transfer</b>		<b>\$17,457,312</b>	1e
11			
<b>12 Outflows</b>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
<b>15 Total Outflows</b>			1e
16			
17 Carrying Costs to July 31, 2019			1e
18			
<b>19 Net Balance</b>			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



Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Variance Account - Transportation  
 2015/16 Gas Year Actual

Schedule 8.8.3 (a)

	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Total
1 <u>Inflows</u>													
2													
3 <u>Fixed Cost</u>													
4 TCPL													
5													
6 ANR													
7 GLGT													
8 Swan Valley & RM of Piney service territories													
9													
10 <b>Total Fixed Costs</b>	\$5,128,308	\$5,742,216	\$5,790,524	\$5,718,529	\$4,809,902	\$5,044,594	\$4,554,477	\$4,560,779	\$4,564,288	\$4,573,390	\$4,572,822	\$5,153,739	\$60,213,369
11													
12 <u>Variable Costs</u>													
13 TCPL	\$1,241	\$2,049	\$493	\$2,200	\$4,256	\$3,569	\$11,621	\$2,263	\$131	\$1,506	\$394	\$5,592	\$35,316
14 ANR	\$21,122	\$27,378	\$82,798	\$43,446	\$29,434	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$204,178
15 GLGT	\$13,989	\$18,333	\$55,447	\$31,905	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$139,673
16 Storage Gas - Transportation & Delivery Cost	\$123,332	\$154,010	\$457,816	\$250,124	\$176,665	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,161,947
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													
21 <b>Total Variable Costs</b>	\$184,778	\$778,212	\$1,259,707	\$891,785	\$494,903	\$1,193,213	\$46,918	\$2,263	\$131	\$1,506	\$394	\$426,618	\$5,280,428
22													
23 <u>Other</u>													
24 Load Balancing Charges	\$26,669	\$8,917	\$3,605	\$8,630	\$14,521	\$21,025	\$12,110	\$5,571	\$2,623	\$2,855	\$20,732	\$75,784	\$203,043
25 Capacity Management													
26 Miscellaneous Transportation													
27													
28 <b>Total Inflows</b>	\$5,276,303	\$6,364,625	\$6,851,527	\$6,373,183	\$5,232,334	\$5,867,237	\$3,768,453	\$3,766,259	\$3,682,898	\$4,001,530	\$4,143,093	\$5,455,018	\$60,782,457
29													
30 <u>Outflows</u>													
31 WACOG Outflows	\$5,900,944	\$8,054,172	\$10,002,251	\$8,473,364	\$6,306,453	\$4,917,198	\$2,010,758	\$2,029,079	\$1,301,445	\$1,365,390	\$1,834,302	\$3,976,974	\$55,972,330
32													
33 Carrying Costs	(\$371)	(\$1,849)	(\$4,717)	(\$7,277)	(\$10,067)	(\$10,145)	(\$8,831)	(\$6,360)	(\$3,879)	(\$703)	\$2,514	\$5,100	(\$46,585)
34													
35 <b>Net Balance</b>	(\$625,012)	(\$2,316,408)	(\$5,471,849)	(\$7,579,307)	(\$8,663,493)	(\$7,723,598)	(\$5,974,734)	(\$4,243,914)	(\$1,866,341)	\$769,095	\$3,280,401	\$4,763,542	

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Variance Account - Transportation  
 2015/16 Actual vs. Interim Approved Forecast

Schedule 8.6.3 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <u>Inflows</u>			
2			
3 <u>Fixed Cost</u>			
4 TCPL			
5			1e
6 ANR			1a
7 GLGT			1e
8 Swan Valley & RM of Piney service territories			1e
9			
10 <b>Total Fixed Costs</b>	\$60,213,369	\$63,183,431	(\$2,970,062)
11			
12 <u>Variable Costs</u>			
13 TCPL	\$35,316	\$0	\$35,316
14 ANR	\$204,178	\$271,026	(\$66,848)
15 GLGT	\$139,673	\$188,546	(\$48,872)
16 Storage Gas - Transportation & Delivery Cost	\$1,161,947	\$1,680,804	(\$518,858)
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 <b>Total Variable Costs</b>	\$5,280,428	\$2,648,139	\$2,632,289
22			
23 <u>Other</u>			
24 TCPL Balancing Fees	\$203,043	\$250,000	(\$46,957)
25 Capacity Management	(\$5,079,410)	(\$5,100,000)	\$20,590
26 Miscellaneous Transportation			1a & 1c
27			
28 <b>Total Inflows</b>	\$60,782,457	\$60,981,569	(\$199,112)
29			
30 <u>Outflows</u>			
31 <b>WACOG Outflows</b>	\$55,972,330	\$60,908,560	(\$4,936,230)
32			
33 Carrying Costs to July 31, 2019	\$247,740	\$0	\$247,740
34			
35 <b>Net Balance</b>	\$5,057,867	\$73,009	\$4,984,858

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Distribution  
 2015/16 Gas Year Actual

Schedule 8.6.4 (a)

	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Total
<b>Inflows</b>													
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	\$176,289	\$217,443	\$250,539	\$218,717	\$121,504	\$79,109	\$40,078	\$42,511	\$54,245	\$63,292	\$70,878	\$144,344	\$1,478,950
3 UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,113,287)	\$0	\$0	\$0	\$0	(\$1,113,287)
4													
5 <b>Total Inflows</b>	<b>\$192,826</b>	<b>\$233,980</b>	<b>\$267,076</b>	<b>\$235,254</b>	<b>\$138,041</b>	<b>\$95,646</b>	<b>\$56,615</b>	<b>(\$1,054,239)</b>	<b>\$70,782</b>	<b>\$79,829</b>	<b>\$87,415</b>	<b>\$160,881</b>	<b>\$564,107</b>
6													
<b>Outflows</b>													
7 WACOG Outflows	\$224,911	\$291,592	\$350,030	\$318,788	\$227,416	\$184,727	\$87,538	\$92,997	\$67,481	\$69,012	\$72,405	\$153,948	\$2,140,844
8													
9													
10 <b>Carrying Costs</b>	<b>(\$19)</b>	<b>(\$77)</b>	<b>(\$159)</b>	<b>(\$240)</b>	<b>(\$374)</b>	<b>(\$475)</b>	<b>(\$573)</b>	<b>(\$1,297)</b>	<b>(\$2,051)</b>	<b>(\$2,062)</b>	<b>(\$1,986)</b>	<b>(\$2,017)</b>	<b>(\$11,330)</b>
11													
12 <b>Net Balance</b>	<b>(\$32,104)</b>	<b>(\$89,793)</b>	<b>(\$172,906)</b>	<b>(\$256,680)</b>	<b>(\$346,429)</b>	<b>(\$435,984)</b>	<b>(\$467,480)</b>	<b>(\$1,616,014)</b>	<b>(\$1,614,764)</b>	<b>(\$1,606,008)</b>	<b>(\$1,592,984)</b>	<b>(\$1,588,068)</b>	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Distribution**  
**2015/16 Actual vs. Interim Approved Forecast**

Schedule 8.6.4 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <b><u>Inflows</u></b>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	\$1,478,950	\$2,145,506	(\$666,556)
4 UFG True-up Impacts Transferred to Primary & Supplemental PGVA's	<u>(\$1,113,287)</u>	<u>\$0</u>	<u>(\$1,113,287)</u>
5 <b>Total Inflows</b>	<b>\$564,107</b>	<b>\$2,343,950</b>	<b>(\$1,779,843)</b>
6			
7 <b><u>Outflows</u></b>			
8 WACOG Outflows	<u>\$2,140,844</u>	<u>\$2,360,319</u>	<u>(\$219,475)</u>
10 <b>Total Outflows</b>	<b>\$2,140,844</b>	<b>\$2,360,319</b>	<b>(\$219,475)</b>
11			
12 Carrying Costs to July 31, 2019	<u>(\$109,450)</u>	<u>\$0</u>	<u>(\$109,450)</u>
13			
14 <b>Net Balance</b>	<b>(\$1,686,188)</b>	<b>(\$16,369)</b>	<b>(\$1,669,819)</b>



Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Actual Gas Costs for 2016/17 Gas Year

Schedule 8.7.0

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast	
<b>1 Fixed Costs</b>				
2 TCPL				1e
3				1a
4 ANR				1e
5 GLGT				1e
6 Swan Valley & RM of Piney service territories				1e
7				
<b>8 Total Fixed Costs</b>	<b>\$61,889,442</b>	<b>\$63,183,431</b>	<b>(\$1,293,989)</b>	
9				
<b>10 Variable Transportation Costs</b>				
11 TCPL	\$59,185	\$0	\$59,185	
12 ANR	\$333,618	\$271,026	\$62,592	
13 GLGT	\$169,100	\$188,546	(\$19,446)	
14 Storage Gas - Transportation & Delivery Cost				1e
15 Supplemental Gas Delivered Service Imputed Transportation Cost				1a
16 Compressor Fuel Cost				1a
17 Miscellaneous Transportation Cost	\$15,561	\$0	\$15,561	1a
18 Primary Gas Delivered Service Imputed Transportation Cost				1a
19				
<b>20 Total Variable Transport Costs</b>	<b>\$7,472,071</b>	<b>\$4,238,204</b>	<b>\$3,233,867</b>	
21				
<b>22 Supply Costs</b>				
23 Primary				1a
24 Supplemental				1a
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles				1a
26				
<b>27 Total Supply Costs</b>	<b>\$125,706,471</b>	<b>\$148,422,484</b>	<b>(\$22,716,013)</b>	
28				
<b>29 Other</b>				
30 Minell	\$198,444	\$198,444	\$0	
31 Capacity Management	(\$4,740,957)	(\$5,100,000)	\$359,043	
32 Load Balancing Charges	\$157,362	\$250,000	(\$92,638)	
33 ANR Settlement Refund	(\$927,321)	\$0	(\$927,321)	
34				
<b>35 Total Other</b>	<b>(\$5,312,471)</b>	<b>(\$4,651,556)</b>	<b>(\$660,915)</b>	
36				
<b>37 Total Gas Cost Inflows</b>	<b>\$189,755,512</b>	<b>\$211,192,563</b>	<b>(\$21,437,050)</b>	
38				
<b>39 Purchased Volumes Excluding Primary WTS Supply (GJ)</b>				
40 Primary Gas				1d
41 Supplemental Gas				1d
42 Supplemental Gas - Alternate Supply Service				1d
<b>43 Total Volumes Excluding Primary WTS Supply (GJ)</b>				1d
44				
<b>45 Total Effective Heating Degree Days</b>				1d
46				

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Variance Account - Primary Gas Account  
 2016/17 Gas Year Actual

Schedule 8.7.1

	Oct-16	Actual Nov-16	Actual Dec-16	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Total	
1 <b>Inflows</b>															
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		(\$168,746)	(\$250,262)	(\$301,078)	(\$224,143)	(\$201,318)	(\$138,180)	(\$98,852)	(\$59,424)	(\$44,238)	(\$52,085)	(\$49,309)	(\$91,578)	(\$1,679,191)	1e
10 Less: UFG True-up Transferred from Distribution PGVA		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$828,354	\$0	\$0	\$0	\$0	\$628,354	
11 Less: FRPGS Cost of Gas		(\$5,483)	(\$9,077)	(\$12,332)	(\$10,099)	(\$11,061)	(\$11,485)	(\$7,624)	(\$5,329)	(\$2,872)	(\$2,857)	(\$2,394)	(\$4,141)	(\$84,963)	
12 Net After UFG Transfer															1a
13															
14 <b>Outflows</b>															
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 <b>GJ</b>															
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															Volume Weighted
30 Primary Gas Direct to Load															Average
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 <b>Monthly Index Prices- \$/GJ</b>															Arithmetic Average
37 Aeoo Index Price		\$2.84	\$2.70	\$3.33	\$2.70	\$2.33	\$2.46	\$2.62	\$2.81	\$2.30	\$2.03	\$1.46	\$1.49	\$2.42	
38 Empress Index Price		\$2.99	\$2.62	\$3.54	\$2.85	\$2.46	\$2.62	\$2.78	\$2.93	\$2.55	\$2.33	\$2.02	\$2.17	\$2.67	

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Supplemental Gas  
 2016/17 Gas Year Actual

Schedule 8.7.2 (a)

	Actual Nov-16	Actual Dec-16	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Total	
1 <b>Inflows</b>														
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 <b>Total Inflows</b>														1e
8 Less: UFG Component to Distribution PGVA	(\$6,708)	(\$21,332)	(\$10,826)	(\$743)	(\$1,345)	(\$5,392)	(\$4,234)	\$0	\$0	\$0	(\$702)	(\$11,183)	(\$62,465)	
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,644	\$0	\$0	\$0	\$0	\$19,644	
10 <b>Net Inflow After UFG Transfer</b>														1e
11														
12 <b>Outflows</b>														
13 WACOG Outflows														1a
14 WACOG on Alternate Supply Service														1a
15 <b>Total Outflows</b>														1e
16														
17 Carrying Costs														1a
18														
19 <b>Net Balance</b>														
20														
21 <b>GJ</b>														
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 <b>Total</b>														1d
27														
28														
29 <b>Monthly Unit Costs - \$/GJ</b>														
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 <b>Monthly Index Prices - \$/GJ</b>														
37 Emerson Index Price	\$3.40	\$4.03	\$4.90	\$3.97	\$2.93	\$3.64	\$3.55	\$3.61	\$3.18	\$3.11	\$3.04	\$3.00	<u>Arithmetic Average</u>	\$3.53
38 Michigan City Gate Index Price	\$3.31	\$4.21	\$4.56	\$3.83	\$3.27	\$4.06	\$3.91	\$3.52	\$3.45	\$3.40	\$3.33	\$3.34		\$3.68
39 NYMEX Index Price	\$3.52	\$4.11	\$4.85	\$4.26	\$3.32	\$4.11	\$4.02	\$3.98	\$3.63	\$3.53	\$3.50	\$3.63		\$3.87
40 Chicago/Joliet Index Price	\$3.62	\$4.32	\$4.99	\$4.32	\$3.38	\$3.73	\$3.86	\$3.93	\$3.51	\$3.44	\$3.39	\$3.52		\$3.83



**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Supplemental Gas**  
**2016/17 Actual vs. Interim Approved Forecast**

Schedule 8.7.2 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
<b>1 Inflows</b>			
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			
<b>7 Total Inflows</b>			1e
8 Less: UFG Component to Distribution PGVA	(\$62,465)	(\$229,850)	\$167,384
9 Less: UFG True-up Transferred to Distribution PGVA	\$19,644	\$0	\$19,644
<b>10 Net Inflow After UFG Transfer</b>			1e
11			
<b>12 Outflows</b>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
<b>15 Total Outflows</b>			1e
16			
17 Carrying Costs to July 31, 2019			1e
18			
<b>19 Net Balance</b>			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

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Variance Account - Transportation**  
**2016/17 Gas Year Actual**

Schedule 8.7.3 (a)

	Actual Nov-16	Actual Dec-16	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Total
1 <u>Inflows</u>													
2													
3 <u>Fixed Cost</u>													
4 TCPL													
5 Firm transport from counterparties													
6 ANR													
7 GLGT													
8 Swan Valley & RM of Piney service territories													
9													
10 <b>Total Fixed Costs</b>	\$5,172,957	\$5,680,383	\$5,691,526	\$5,719,962	\$5,215,381	\$4,995,735	\$4,977,713	\$4,920,362	\$4,866,409	\$4,872,002	\$4,865,861	\$4,911,150	\$61,889,442
11													
12 <u>Variable Costs</u>													
13 TCPL	\$1,275	\$525	\$1,156	\$537	\$1,874	\$27,058	\$12,490	\$134	\$1,196	\$98	\$4,550	\$8,291	\$59,185
14 ANR	\$10,498	\$73,865	\$81,798	\$79,578	\$87,879	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$333,618
15 GLGT	\$6,284	\$44,214	\$46,772	\$46,625	\$25,204	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$169,100
16 Storage Gas - Transportation & Delivery Cost	\$73,643	\$432,725	\$487,135	\$361,039	\$435,830	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,790,373
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													
21 <b>Total Variable Costs</b>	\$160,173	\$1,585,402	\$1,454,816	\$1,052,697	\$627,557	\$1,139,471	\$30,213	\$134	\$1,196	\$98	\$4,077	\$424,321	\$6,479,955
22													
23 <u>Other</u>													
24 Load Balancing Charges	\$5,450	\$3,516	\$1,414	\$1,003	\$4,149	\$42,302	\$23,332	\$9,672	\$2,130	\$3,648	\$1,808	\$58,939	\$157,362
25 Capacity Management													(\$4,740,957)
26 Miscellaneous Transportation													\$15,561
27 ANR Settlement Refund	\$0	(\$927,321)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$927,321)
28													
29 <b>Total Inflows</b>	\$5,230,934	\$6,158,375	\$6,805,831	\$6,513,826	\$5,406,207	\$6,105,982	\$4,711,799	\$4,364,245	\$4,190,747	\$3,943,309	\$4,215,159	\$5,227,627	\$62,874,042
30													
31 <u>Outflows</u>													
32 WACOG Outflows	\$5,030,634	\$9,949,776	\$9,964,719	\$8,116,551	\$7,931,914	\$4,313,386	\$2,331,507	\$1,872,874	\$1,401,878	\$1,460,968	\$1,816,872	\$3,982,014	\$58,163,092
33													
34 Carrying Costs	\$122	(\$2,128)	(\$6,391)	(\$8,516)	(\$12,309)	(\$12,678)	(\$10,162)	(\$7,150)	(\$4,242)	(\$359)	\$3,546	\$6,599	(\$53,668)
35													
36 <b>Net Balance</b>	\$200,422	(\$3,593,107)	(\$6,758,386)	(\$8,369,627)	(\$10,907,643)	(\$9,127,724)	(\$6,757,594)	(\$4,273,373)	(\$1,488,746)	\$1,003,237	\$3,405,070	\$4,657,282	

Centra Gas Manitoba Inc.  
2019/20 General Rate Application  
Purchase Variance Account - Transportation  
2016/17 Actual vs. Interim Approved Forecast

Schedule 8.7.3 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <u>Inflows</u>			
2			
3 <u>Fixed Cost</u>			
4 TCPL			
5			1e
6 ANR			1a
7 GLGT			1e
8 Swan Valley & RM of Piney service territories			1e
9			
10 <b>Total Fixed Costs</b>	<b>\$61,889,442</b>	<b>\$63,183,431</b>	<b>(\$1,293,989)</b>
11			
12 <u>Variable Costs</u>			
13 TCPL	\$59,185	\$0	\$59,185
14 ANR	\$333,618	\$271,026	\$62,592
15 GLGT	\$169,100	\$188,546	(\$19,446)
16 Storage Gas - Transportation & Delivery Cost	\$1,790,373	\$1,680,804	\$109,569
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 <b>Total Variable Costs</b>	<b>\$6,479,955</b>	<b>\$2,648,139</b>	<b>\$3,831,816</b>
22			
23 <u>Other</u>			
24 TCPL Balancing Fees	\$157,362	\$250,000	(\$92,638)
25 Capacity Management	(\$4,740,957)	(\$5,100,000)	\$359,043
26 Miscellaneous Transportation	\$15,561	\$0	\$15,561
27 ANR Settlement Refund	(\$927,321)	\$0	(\$927,321)
28			
29 <b>Total Inflows</b>	<b>\$62,874,042</b>	<b>\$60,981,569</b>	<b>\$1,892,473</b>
30			
31 <u>Outflows</u>			
32 <b>WACOG Outflows</b>	<b>\$58,163,092</b>	<b>\$60,908,560</b>	<b>(\$2,745,468)</b>
33			
34 Carrying Costs to July 31, 2019	\$154,863	\$0	\$154,863
35			
36 <b>Net Balance</b>	<b>\$4,865,813</b>	<b>\$73,009</b>	<b>\$4,792,804</b>

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Distribution**  
**2016/17 Gas Year Actual**

Schedule 8.7.4 (a)

	Actual Nov-16	Actual Dec-16	Actual Jan-17	Actual Feb-17	Actual Mar-17	Actual Apr-17	Actual May-17	Actual Jun-17	Actual Jul-17	Actual Aug-17	Actual Sep-17	Actual Oct-17	Total
<b>Inflows</b>													
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	\$175,454	\$271,594	\$311,904	\$224,886	\$202,663	\$143,573	\$103,086	\$59,424	\$44,238	\$52,065	\$50,011	\$102,759	\$1,741,656
3 UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$647,998)	\$0	\$0	\$0	\$0	(\$647,998)
4													
5 <b>Total Inflows</b>	<b>\$191,991</b>	<b>\$288,131</b>	<b>\$328,441</b>	<b>\$241,423</b>	<b>\$219,200</b>	<b>\$160,110</b>	<b>\$119,623</b>	<b>(\$572,037)</b>	<b>\$60,775</b>	<b>\$68,602</b>	<b>\$66,548</b>	<b>\$119,296</b>	<b>\$1,292,103</b>
6													
<b>Outflows</b>													
7													
8 WACOG Outflows	\$191,177	\$348,566	\$347,847	\$310,037	\$281,355	\$163,720	\$96,527	\$76,857	\$67,334	\$65,336	\$78,304	\$152,358	\$2,179,417
9													
10 <b>Carrying Costs</b>	<b>\$0</b>	<b>(\$37)</b>	<b>(\$86)</b>	<b>(\$128)</b>	<b>(\$229)</b>	<b>(\$269)</b>	<b>(\$259)</b>	<b>(\$669)</b>	<b>(\$1,244)</b>	<b>(\$1,251)</b>	<b>(\$1,377)</b>	<b>(\$1,439)</b>	<b>(\$6,968)</b>
11													
12 <b>Net Balance</b>	<b>\$814</b>	<b>(\$59,658)</b>	<b>(\$79,150)</b>	<b>(\$147,891)</b>	<b>(\$210,276)</b>	<b>(\$214,155)</b>	<b>(\$191,318)</b>	<b>(\$840,881)</b>	<b>(\$848,684)</b>	<b>(\$846,569)</b>	<b>(\$869,801)</b>	<b>(\$894,302)</b>	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Distribution**  
**2016/17 Actual vs. Interim Approved Forecast**

Schedule 8.7.4 (b)

	Actual	Interim Approved Forecast	Actual vs. Interim Approved Forecast
1 <b>Inflows</b>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	\$1,741,656	\$2,145,506	(\$403,849)
4 UFG True-up Impacts Transferred to Primary & Supplemental PGVA's	(\$647,998)	\$0	(\$647,998)
5 <b>Total Inflows</b>	<b>\$1,292,103</b>	<b>\$2,343,950</b>	<b>(\$1,051,847)</b>
6			
7 <b>Outflows</b>			
8 WACOG Outflows	\$2,179,417	\$2,360,319	(\$180,902)
10 <b>Total Outflows</b>	<b>\$2,179,417</b>	<b>\$2,360,319</b>	<b>(\$180,902)</b>
11			
12 Carrying Costs to July 31, 2019	(\$59,796)	\$0	(\$59,796)
13			
14 <b>Net Balance</b>	<b>(\$947,110)</b>	<b>(\$16,369)</b>	<b>(\$930,741)</b>



Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Outlook Gas Costs for 2017/18 Gas Year  
 Actuals for November 2017 to April 2018, Outlook for May 2018 to October 2018  
 Strip Date of May 15, 2018

Schedule 8.8.0

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast	
1 <b>Fixed Costs</b>				
2 TCPL				1e
3				1a
4 ANR				1e
5 GLGT				1e
6 Swan Valley & RM of Piney service territories				1e
7				
8 <b>Total Fixed Costs</b>	<b>\$59,433,643</b>	<b>\$63,183,431</b>	<b>(\$3,749,787)</b>	
9				
10 <b>Variable Transportation Costs</b>				
11 TCPL	\$24,878	\$0	\$24,878	
12 ANR	\$307,942	\$271,026	\$36,916	
13 GLGT	\$164,099	\$188,546	(\$24,447)	
14 Storage Gas - Transportation & Delivery Cost				1e
15 Supplemental Gas Delivered Service Imputed Transportation Cost				1a
16 Compressor Fuel Cost				1a
17 Miscellaneous Transportation Cost	\$41,595	\$0	\$41,595	
18 Primary Gas Delivered Service Imputed Transportation Cost				1a
19				
20 <b>Total Variable Transport Costs</b>	<b>\$8,325,435</b>	<b>\$4,238,204</b>	<b>\$4,087,231</b>	
21				
22 <b>Supply Costs</b>				
23 Primary				1a
24 Supplemental				1a
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles				1a
26				
27 <b>Total Supply Costs</b>	<b>\$121,059,880</b>	<b>\$148,422,484</b>	<b>(\$27,362,604)</b>	
28				
29 <b>Other</b>				
30 Minell	\$198,444	\$198,444	\$0	
31 Capacity Management	(\$4,260,056)	(\$5,100,000)	\$839,944	
32 Load Balancing Charges	\$251,891	\$250,000	\$1,891	
33				
34 <b>Total Other</b>	<b>(\$3,809,721)</b>	<b>(\$4,651,556)</b>	<b>\$841,835</b>	
35				
36 <b>Total Gas Cost Inflows</b>	<b>\$185,009,237</b>	<b>\$211,192,563</b>	<b>(\$26,183,326)</b>	
37				
38 <b>Purchased Volumes Excluding Primary WTS Supply (GJ)</b>				
39 Primary Gas				1d
40 Supplemental Gas				1d
41 Supplemental Gas - Alternate Supply Service				1d
42 <b>Total Volumes Excluding Primary WTS Supply (GJ)</b>				1d
43				
44 <b>Total Effective Heating Degree Days</b>				1d
45				

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Variance Account - Primary Gas Account  
 2017/18 Gas Year Outlook

Schedule 8.8.1

	<u>Oct-17</u>	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Outlook May-18	Outlook Jun-18	Outlook Jul-18	Outlook Aug-18	Outlook Sep-18	Outlook Oct-18	Total	
1 <u>Inflows</u>															
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 <u>Total Inflows</u>															1e
9 Less: UFG Component to Distribution PGVA		(\$176,048)	(\$246,601)	(\$237,299)	(\$204,406)	(\$111,151)	(\$93,764)	(\$43,715)	(\$29,882)	(\$35,335)	(\$39,350)	(\$40,337)	(\$87,213)	(\$1,345,100)	
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		(\$9,815)	(\$14,897)	(\$15,072)	(\$16,238)	(\$8,503)	(\$6,222)	(\$941)	(\$523)	(\$471)	(\$433)	(\$597)	(\$2,111)	(\$74,922)	
12 <u>Net After UFG Transfer</u>															1a
13															
14 <u>Outflows</u>															
15 WACOG Outflows															1e
16 Primary Gas PGVA Rider Amortization															1e
17 <u>Total Outflows</u>															1e
18															
19 Carrying Costs															1e
20															
21 <u>Net Balance</u>															1a
22															
23 <u>GJ</u>															
24 Primary Gas Direct to Load															1d
25 Primary Gas from Storage															1d
26 Primary Gas Delivered Service															1d
27 Total															1d
28															
29 <u>Monthly Unit Costs - \$/GJ</u>															<u>Volume Weighted Average</u>
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 <u>Monthly Index Prices - \$/GJ</u>															<u>Arithmetic Average</u>
37 Aeoo 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	



Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Supplemental Gas  
 2017/18 Gas Year Outlook

Schedule 8.8.2 (a)

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Outlook May-18	Outlook Jun-18	Outlook Jul-18	Outlook Aug-18	Outlook Sep-18	Outlook Oct-18	Total	
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 <b>Total Inflows</b>														1e
8 Less: UFG Component to Distribution PGVA	(\$23,249)	(\$22,194)	(\$28,675)	(\$54,401)	(\$50,230)	(\$28,029)	(\$1,061)	\$0	\$0	\$0	\$0	(\$101)	(\$217,939)	
9 Less: UFG True-up Transferred from Distribution PGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
10 <b>Net Inflow After UFG Transfer</b>														1e
11														
12 <u>Outflows</u>														
13 WACOG Outflows														1a
14 WACOG on Alternate Supply Service														1a
15 <b>Total Outflows</b>														1e
16														
17 Carrying Costs														1a
18														
19 <b>Net Balance</b>														
20														
21 <u>GJ</u>														
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 <b>Total</b>														1d
27														
28														
29 <u>Monthly Unit Costs- \$/GJ</u>														Volume Weighted Average
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 <u>Monthly Index Prices- \$/GJ</u>														Arithmetic Average
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**  
**Purchase Gas Variance Account - Supplemental Gas**  
**2017/18 Outlook vs. Interim Approved Forecast**

Schedule 8.8.2 (b)

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <b>Inflows</b>			
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 <b>Total Inflows</b>			1e
8 Less: UFG Component to Distribution PGVA	(\$217,939)	(\$229,850)	\$11,911
9 Less: UFG True-up Transferred to Distribution PGVA	\$0	\$0	\$0
10 <b>Net Inflow After UFG Transfer</b>			1e
11			
12 <b>Outflows</b>			
13 WACOG Outflows			1a
14 WACOG on Alternate Supply Service			1a
15 <b>Total Outflows</b>			1e
16			
17 Carrying Costs to July 31, 2019			1e
18			
19 <b>Net Balance</b>			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	Outlook May-18	Outlook Jun-18	Outlook Jul-18	Outlook Aug-18	Outlook Sep-18	Outlook Oct-18	Total
1 <u>Inflows</u>													
2													
3 <u>Fixed Cost</u>													
4 TCPL													
5													
6 ANR													
7 GLGT													
8 Swan Valley & RM of Piney service territories													
9													
10 <b>Total Fixed Costs</b>	\$5,178,290	\$5,133,552	\$5,008,636	\$5,075,946	\$5,087,006	\$4,968,272	\$4,817,238	\$4,804,654	\$4,803,759	\$4,803,141	\$4,802,415	\$4,950,734	\$59,433,643
11													
12 <u>Variable Costs</u>													
13 TCPL	\$1,592	\$820	\$762	\$272	\$9,667	\$11,766	\$0	\$0	\$0	\$0	\$0	\$0	\$24,878
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	\$3,253	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$184,099
16 Storage Gas - Transportation & Delivery Cost	\$290,528	\$437,682	\$493,811	\$254,134	\$34,785	\$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													
21 <b>Total Variable Costs</b>	\$726,417	\$890,011	\$1,696,918	\$1,792,728	\$1,266,716	\$742,551	\$159	\$0	\$0	\$0	\$0	\$10,887	\$7,126,386
22													
23 <u>Other</u>													
24 Load Balancing Charges	\$12,530	\$4,134	\$3,442	\$1,057	\$39,943	\$54,784	\$50,000	\$5,000	\$4,000	\$4,000	\$18,000	\$55,000	\$251,891
25 Capacity Management													(\$4,280,058)
26 Miscellaneous Transportation													\$41,595
27													
28													
29 <b>Total Inflows</b>	\$5,741,445	\$5,714,180	\$5,864,976	\$6,655,812	\$6,102,911	\$5,535,185	\$4,509,064	\$4,451,321	\$4,449,426	\$4,448,808	\$4,462,082	\$4,858,288	\$62,593,459
30													
31 <u>Outflows</u>													
32 WACOG Outflows	\$7,817,447	\$10,569,057	\$11,057,172	\$10,284,519	\$7,409,374	\$5,460,194	\$2,756,092	\$1,979,931	\$1,492,729	\$1,469,850	\$1,965,840	\$4,338,609	\$66,600,814
33													
34 Carrying Costs	(\$1,575)	(\$7,450)	(\$17,425)	(\$23,271)	(\$29,492)	(\$30,556)	(\$33,785)	(\$29,455)	(\$23,862)	(\$17,728)	(\$12,062)	(\$9,154)	(\$235,814)
35													
36 <b>Net Balance</b>	(\$2,077,577)	(\$6,939,924)	(\$12,149,544)	(\$15,801,522)	(\$17,137,477)	(\$17,093,081)	(\$15,373,874)	(\$12,931,940)	(\$8,999,104)	(\$7,037,874)	(\$4,553,894)	(\$4,243,170)	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Variance Account - Transportation**  
**2017/18 Outlook vs. Interim Approved Forecast**

Schedule 8.8.3 (b)

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <u>Inflows</u>			
2			
3 <u>Fixed Cost</u>			
4 TCPL			
5			
6 ANR			
7 GLGT			
8 Swan Valley & RM of Piney service territories			
9			
10 <b>Total Fixed Costs</b>	<b>\$59,433,643</b>	<b>\$63,183,431</b>	<b>(\$3,749,787)</b>
11			
12 <u>Variable Costs</u>			
13 TCPL	\$24,878	\$0	\$24,878
14 ANR	\$307,942	\$271,026	\$36,916
15 GLGT	\$164,099	\$188,546	(\$24,447)
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			
21 <b>Total Variable Costs</b>	<b>\$7,126,386</b>	<b>\$2,648,139</b>	<b>\$4,478,247</b>
22			
23 <u>Other</u>			
24 TCPL Balancing Fees	\$251,891	\$250,000	\$1,891
25 Capacity Management	(\$4,260,056)	(\$5,100,000)	\$839,944
26 Miscellaneous Transportation	\$41,595	\$0	\$41,595
27			
28 <b>Total Inflows</b>	<b>\$62,593,459</b>	<b>\$60,981,569</b>	<b>\$1,611,889</b>
29			
30 <u>Outflows</u>			
31 <b>WACOG Outflows</b>	<b>\$66,600,814</b>	<b>\$60,908,560</b>	<b>\$5,692,254</b>
32			
33 Carrying Costs to July 31, 2019	(\$326,115)	\$0	(\$326,115)
34			
35 <b>Net Balance</b>	<b>(\$4,333,471)</b>	<b>\$73,009</b>	<b>(\$4,406,480)</b>

1e  
 1a  
 1e  
 1e  
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 1a  
 1a  
 1a

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Purchase Gas Variance Account - Distribution  
 2017/18 Gas Year Outlook

Schedule 8.8.4 (a)

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Outlook May-18	Outlook Jun-18	Outlook Jul-18	Outlook Aug-18	Outlook Sep-18	Outlook Oct-18	Total
<b>Inflows</b>													
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	\$44,776	\$29,862	\$35,335	\$39,350	\$40,337	\$87,313	\$1,563,039
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 <b>Total Inflows</b>	<b>\$215,834</b>	<b>\$285,331</b>	<b>\$282,510</b>	<b>\$275,344</b>	<b>\$187,919</b>	<b>\$138,330</b>	<b>\$61,313</b>	<b>\$46,419</b>	<b>\$51,872</b>	<b>\$55,887</b>	<b>\$56,874</b>	<b>\$103,850</b>	<b>\$1,761,483</b>
6													
7 <b>Outflows</b>													
8 WACOG Outflows	\$282,715	\$368,022	\$380,615	\$349,424	\$277,187	\$197,148	\$107,897	\$82,427	\$67,215	\$67,995	\$81,038	\$160,590	\$2,422,274
9													
10 <b>Carrying Costs</b>	<b>(\$52)</b>	<b>(\$180)</b>	<b>(\$361)</b>	<b>(\$473)</b>	<b>(\$659)</b>	<b>(\$787)</b>	<b>(\$1,033)</b>	<b>(\$1,121)</b>	<b>(\$1,177)</b>	<b>(\$1,208)</b>	<b>(\$1,248)</b>	<b>(\$1,335)</b>	<b>(\$9,632)</b>
11													
12 <b>Net Balance</b>	<b>(\$66,933)</b>	<b>(\$149,804)</b>	<b>(\$248,269)</b>	<b>(\$322,822)</b>	<b>(\$412,749)</b>	<b>(\$472,355)</b>	<b>(\$519,972)</b>	<b>(\$557,100)</b>	<b>(\$573,620)</b>	<b>(\$586,936)</b>	<b>(\$612,348)</b>	<b>(\$670,423)</b>	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Gas Variance Account - Distribution**  
**2017/18 Outlook vs. Interim Approved Forecast**

Schedule 8.8.4 (b)

	Outlook	Interim Approved Forecast	Outlook vs. Interim Approved Forecast
1 <b><u>Inflows</u></b>			
2 Minell Pipeline Charges	\$198,444	\$198,444	\$0
3 UFG Costs Transferred From Primary & Supplemental PGVA's	\$1,563,039	\$2,145,506	(\$582,466)
4 UFG True-up Impacts Transferred to Primary & Supplemental PGVA's	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
5 <b>Total Inflows</b>	<b>\$1,761,483</b>	<b>\$2,343,950</b>	<b>(\$582,466)</b>
6			
7 <b><u>Outflows</u></b>			
8 WACOG Outflows	<u>\$2,422,274</u>	<u>\$2,360,319</u>	<u>\$61,955</u>
10 <b>Total Outflows</b>	<b>\$2,422,274</b>	<b>\$2,360,319</b>	<b>\$61,955</b>
11			
12 Carrying Costs to July 31, 2019	<u>(\$23,900)</u>	<u>\$0</u>	<u>(\$23,900)</u>
13			
14 <b>Net Balance</b>	<b>(\$684,690)</b>	<b>(\$16,369)</b>	<b>(\$668,321)</b>

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Variance Account - Heating Value Margin Deferral Account**  
**2017/18 Gas Year Outlook**

Schedule 8.8.5

	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Outlook May-18	Outlook Jun-18	Outlook Jul-18	Outlook Aug-18	Outlook Sep-18	Outlook Oct-18	Total
1 Heating Value (GJ/10 <sup>3</sup> m <sup>3</sup> )	38.41	38.17	38.31	38.39	38.44	38.30	0.00	0.00	0.00	0.00	0.00	0.00	
2 Heating Value Revenue Deferral													1d
4 Heating Value Cost Deferral													
5 Heating Value Margin Deferral													
6													
7 Carrying Costs													
8													
9													
10 <b>Net Balance</b>													
11													
12 <b>Net Balance as at October 31, 2018</b>													1e
13													
14 Carrying Costs - November 1, 2018 to July 31, 2019													
15													
16 <b>Net Balance as at July 31, 2019</b>													

**CENTRA GAS MANITOBA INC**  
**2019/20 General Rate Application**  
**Summary of All Non-Primary Gas Cost Deferral Balances to July 31, 2019**

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Schedule 8.8.6

1	<u>2017/18 Gas Year Balances</u>		
2	Supplemental Gas PGVA		1e
3	Transportation PGVA	(\$4,333,471)	
4	Distribution PGVA	(\$684,690)	
5	Heating Value Margin Deferral		1e
6			
7	<u>2016/17 Gas Year Balances</u>		
8	Supplemental Gas PGVA		1e
9	Transportation PGVA	\$4,865,813	
10	Distribution PGVA	(\$947,110)	
11	Heating Value Margin Deferral		1e
12			
13	<u>2015/16 Gas Year Balances</u>		
14	Supplemental Gas PGVA		1e
15	Transportation PGVA	\$5,057,867	
16	Distribution PGVA	(\$1,686,188)	1e
17	Heating Value Margin Deferral		
18			
19			
20	October 31, 2015 Prior-Period Gas Cost Deferral		1e
21			
22	<b>Total</b>	<b>(\$6,437,117)</b>	





Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Contract Demand Levels & Forecast Purchase Requirements  
 2018/19 Gas Year Forecast  
 Supply prices for 2018/19 Gas Year per forward strip as of: May 15, 2018

Schedule 8.9.2

Contract Demand Levels - GJ/day		Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19
1	TCPL Firm Transport Empress to MDA	GJ / day	161,000	161,000	161,000	161,000	161,000	160,000	160,000	160,000	160,000	160,000	160,000
2	TCPL Firm Transport Empress to SSDA	GJ / day	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
3	TCPL Firm Transport Emerson to MDA	GJ / day	69,750	69,750	69,750	69,750	69,750	69,750	69,750	69,750	69,750	69,750	69,750
4	TCPL Storage Transportation Service	GJ / day	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000
5	TCPL Firm Service Empress to CTHI (RM of Pney)	GJ / day	90	90	90	90	90	90	90	90	90	90	90
6													
7													
8	Primary Gas Delivered Service	GJ / day											
9													
10	Nova Gas Transmission Limited	GJ / day											
11													
12	TransGas (Former Swan Valley Gas)	GJ / day	523	523	523	523	523	523	523	523	523	523	523
13	Many Islands (Former Swan Valley Gas)	GJ / day	523	523	523	523	523	523	523	523	523	523	523
14													
15	CTHI Firm Service ( RM of Pney)	10 <sup>3</sup> m <sup>3</sup> / day	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
16													
17	ANR Seasonal Storage Capacity Reservabon	Max Capacity	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000	9,100,000
18	ANR Seasonal Storage Deliverability	GJ / day	94,322	94,322	94,322	94,322	94,322	94,322	94,322	94,322	94,322	94,322	94,322
19	ANR Annual Storage Capacity Reservabon	Max Capacity	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000	7,400,000
20	ANR Annual Storage Deliverability	GJ / day	123,442	123,442	123,442	123,442	123,442	123,442	123,442	123,442	123,442	123,442	123,442
21	ANR Joliet to Storage Summer	GJ / day					7,385	7,385	7,385	7,385	7,385	7,385	7,385
22	ANR Joliet to Storage Winter	GJ / day	42,202	42,202	42,202	42,202							
23	ANR Crystal Falls to Storage	GJ / day					52,964	52,964	52,964	52,964	52,964	52,964	52,964
24	ANR Storage to Deward	GJ / day	215,614	215,614	215,614	215,614							
25													
26	GLGT Emerson to Crystal Falls	GJ / day					53,280	53,280	53,280	53,280	53,280	53,280	53,280
27	GLGT Deward to Emerson	GJ / day	236,716	236,716	236,716	236,716							
28													
29													
30	Purchase Requirement to Manitoba Load												

		Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Total
34	Primary Supply to MDA, SSDA & SVG	GJ												
35														
36	Primary Gas Storage Withdrawal to System Load	GJ												
37														
38	TCPL Primary WTS Firm Service (direct to load)	GJ												
39														
40	WTS Primary Storage Gas Loan	GJ												
41														
42	Supplemental Gas Storage Withdrawal	GJ												
43														
44	Supplemental Gas Direct to Load	GJ												
45														
46	Total Purchase Requirements to the Load	GJ												

1a  
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1d

		Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Total	
1	<b>Fixed Transportation Costs (Including Abandonment Surcharges)</b>														
2	TransCanada Pipelines Limited	CAD													
3															
4	ANR	CAD													
5	GLGT	CAD													
6	Swan Valley & RM of Piney service territories	CAD													
7															
8	<b>Total Fixed Transportation Costs</b>	CAD												\$69,788,842 1e	
9															
10	<b>Variable Transportation Costs</b>														
11	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	\$258,000 1e
12	Compressor Fuel for Primary Gas	CAD													
13	Compressor Fuel for Storage and Supplemental Gas	CAD													
14	Storage Gas - Transportation & Delivery Cost	CAD	\$119,409	\$285,820	\$409,866	\$292,238	\$184,502	\$0	\$0	\$0	\$0	\$0	\$0	\$1,271,838 1e	
15	ANR	CAD	\$30,183	\$72,246	\$103,551	\$73,869	\$41,581	\$0	\$0	\$0	\$0	\$0	\$0	\$321,430 1e	
16	GLGT	CAD	\$13,973	\$33,378	\$47,789	\$34,074	\$19,180	\$0	\$0	\$0	\$0	\$0	\$0	\$148,283 1e	
17	Primary Gas Delivered Service	CAD													
18															
19	<b>Total Variable Transportation Costs</b>	CAD												\$3,168,779 1e	
20															
21	<b>Supply Costs</b>														
22															
23	Primary Supply Direct to System Supply Load	CAD													
24	Storage Gas - Primary Supply for System	CAD													
25	Storage Gas - Supplemental Supply	CAD													
26	Supplemental Gas Direct to Load	CAD													
27															
28	<b>Total Supply Costs</b>	CAD												\$112,519,570 1e	
29															
30	<b>Other Costs</b>														
31															
32	Minefill Charges	CAD	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$188,444 1e	
33	Capacity Management Forecast	CAD	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$369,667)	(\$4,489,999) 1e	
34															
35	<b>Total Other Costs</b>	CAD	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$353,130)	(\$4,281,555) 1e	
36															
37	<b>Total Cost of Gas</b>	CAD												\$177,244,826 1e	

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Purchase Cost of Gas Supplied to Load**  
**2018/19 Gas Year Forecast**

Schedule 8.9.3 (b)

Supply prices for 2018/19 Gas Year per forward strip as of:

May 15, 2018

		<u>Total</u>	
1	<b><u>Fixed Transportation Costs (Including Abandonment Surcharges)</u></b>		
2	TransCanada Pipelines Limited	CAD	[REDACTED] 1e
3	[REDACTED]	CAD	[REDACTED] 1a
4	ANR	CAD	[REDACTED] 1e
5	GLGT	CAD	[REDACTED] 1e
6	Swan Valley & RM of Piney service territories	CAD	[REDACTED] 1e
7			
8	<b>Total Fixed Transportation Costs</b>	CAD	<b>\$65,788,042</b>
9			
10	<b><u>Variable Transportation Costs</u></b>		
11	Load Balancing Charges	CAD	\$250,000
12	Compressor Fuel for Primary Gas	CAD	[REDACTED] 1a
13	Compressor Fuel for Storage and Supplemental Gas	CAD	[REDACTED] 1a
14	Storage Gas - Transportation & Delivery Cost	CAD	
15	ANR	CAD	\$321,430
16	GLGT	CAD	\$148,268
17	Primary Gas Delivered Service	CAD	[REDACTED] 1a
18			
19	<b>Total Variable Transportation Costs</b>	CAD	<b>\$3,158,779</b>
20			
21	<b><u>Supply Costs</u></b>		
22			
23	Primary Supply Direct to System Supply Load	CAD	[REDACTED] 1a
24	Storage Gas - Primary Supply for System	CAD	[REDACTED] 1a
25	Storage Gas - Supplemental Supply	CAD	[REDACTED] 1a
26	Supplemental Gas Direct to Load	CAD	[REDACTED] 1a
27			
28	<b>Total Supply Costs</b>	CAD	<b>\$112,519,570</b>
29			
30	<b><u>Other Costs</u></b>		
31			
32	Minell Charges	CAD	\$198,444
33	Capacity Management Forecast	CAD	<u>(\$4,400,000)</u>
34			
35	<b>Total Other Costs</b>	CAD	<b><u>(\$4,201,556)</u></b>
36			
37	<b>Total Cost of Gas</b>	CAD	<b><u>\$177,264,835</u></b>

**Centra Gas Manitoba Inc.**  
**2019/20 General Rate Application**  
**Difference Between Forecasted Non-Primary Gas Costs**  
**and Non-Primary Gas Costs Recoverable With Existing Base Rates**  
**Supply prices for 2018/19 Gas Year per forward strip as of:**

Schedule 8.9.4

May 15, 2018

	(1) Recoverable at Existing Base Rates	(2) Forecast for 2018/19	(3) Difference
1 Primary Gas <sup>1</sup>			
2 Supplemental Gas			
3 Transportation	\$64,353,452	\$63,564,088	(\$789,364)
4 Distribution	\$2,342,413	\$1,676,527	(\$665,886)
5			
6			
7 <b>Totals</b>	<b>\$178,250,616</b>	<b>\$177,264,835</b>	<b>(\$985,781)</b>
8			
9			
10 <b>Non-Primary Gas Cost Totals</b>	<b>\$83,117,063</b>	<b>\$79,328,781</b>	<b>(\$3,788,282)</b>

1a  
1a

12 Note 1: Primary Gas cost recoverable at existing base rates is calculated using the approved May 1, 2018 Primary Gas billed rate.

Centra Gas Manitoba Inc.  
 2019/20 General Rate Application  
 Approved and 2018/19 Test Year Forecast  
 Strip Date of May 15, 2018

Schedule 8.9.5

	18/19 Test Year Forecast	Interim Approved Forecast	18-19 Test Year Forecast vs. Interim Approved Forecast
<b>1 Fixed Costs</b>			
2 TCPL			
3			
4 ANR			
5 GLGT			
6 Swan Valley & RM of Piney service territories			
7			
<b>8 Total Fixed Costs</b>	<b>\$65,788,042</b>	<b>\$63,183,431</b>	<b>\$2,604,612</b>
9			
<b>10 Variable Transportation Costs</b>			
11 TCPL	\$0	\$0	\$0
12 ANR	\$321,430	\$271,026	\$50,404
13 GLGT	\$148,268	\$188,546	(\$40,278)
14 Storage Gas - Transportation & Delivery Cost			
15 Supplemental Gas Delivered Service Imputed Transportation Cost			
16 Compressor Fuel Cost	\$1,167,445	\$2,097,828	(\$930,383)
17 Miscellaneous Transportation Cost	\$0	\$0	\$0
18 Primary Gas Delivered Service Imputed Transportation Cost			
19			
<b>20 Total Variable Transport Costs</b>	<b>\$2,908,779</b>	<b>\$4,238,204</b>	<b>(\$1,329,425)</b>
21			
<b>22 Supply Costs</b>			
23 Primary			
24 Supplemental			
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles			
26			
<b>27 Total Supply Costs</b>	<b>\$112,519,570</b>	<b>\$148,422,484</b>	<b>(\$35,902,914)</b>
28			
<b>29 Other</b>			
30 Minell	\$198,444	\$198,444	\$0
31 Capacity Management	(\$4,400,000)	(\$5,100,000)	\$700,000
32 Load Balancing Charges	\$250,000	\$250,000	\$0
33			
<b>34 Total Other</b>	<b>(\$3,951,556)</b>	<b>(\$4,651,556)</b>	<b>\$700,000</b>
35			
<b>36 Total Gas Cost Inflows</b>	<b>\$177,264,835</b>	<b>\$211,192,563</b>	<b>(\$33,927,728)</b>
37			
<b>38 Purchased Volumes Excluding Primary WTS Supply (GJ)</b>			
39 Primary Gas			
40 Supplemental Gas			
41 Supplemental Gas - Alternate Supply Service			
42 Total Volumes Excluding Primary WTS Supply (GJ)			