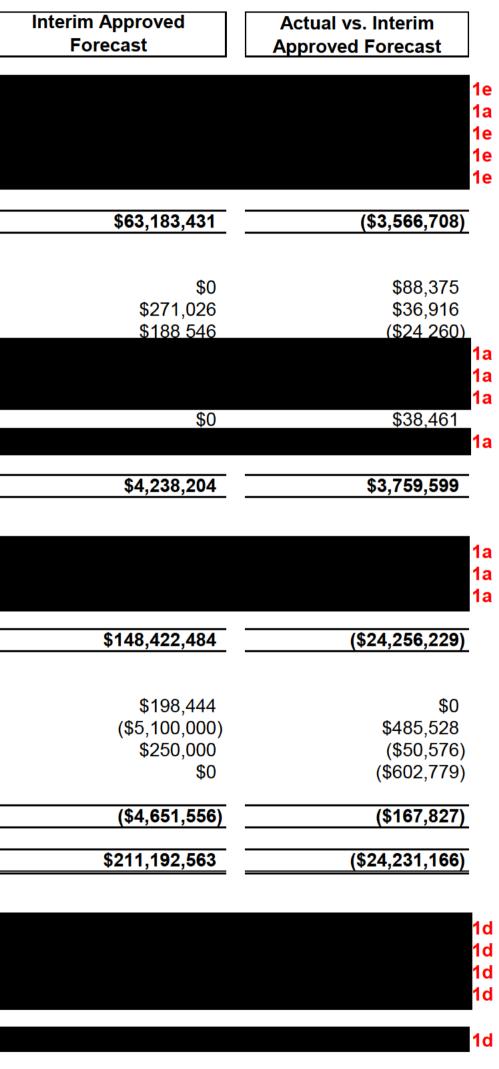
Centra Gas Manitoba Inc. 2019/20 General Rate Application Pre-hearing Update Tab 8 - Schedule Index July 24, 2019

Schedule	JUIY 24, 2019
Number	Schedule Name
8.8.0	2017/18 Gas Cost Summary (Update)
8.8.1	Purchase Gas Variance Account - 2017/18 Gas Year Primary Gas (Update)
8.8.2	Purchase Gas Variance Account - 2017/18 Gas Year Supplemental Gas (Update)
8.8.3	Purchase Gas Variance Account - 2017/18 Gas Year Transportation (Update)
8.8.4	Purchase Gas Variance Account - 2017/18 Gas Year Distribution (Update)
8.8.5	Heating Value Margin Deferral Account - 2017/18 Gas Year (Update)
8.10.0	2018/19 Gas Cost Summary
8.10.1	Purchase Gas Variance Account - 2018/19 Gas Year Primary Gas
8.10.2	Purchase Gas Variance Account - 2018/19 Gas Year Supplemental Gas
8.10.3	Purchase Gas Variance Account - 2018/19 Gas Year Transportation
8.10.4	Purchase Gas Variance Account - 2018/19 Gas Year Distribution
8.10.5	Heating Value Margin Deferral Account - 2018/19 Gas Year
8.10.6	Summary of All Non-Primary Gas Cost Deferral Balances to October 31, 2019
8.11.1	Fixed & Variable Transportation Unit Costs, Unit Supply Prices, Fuel Ratios, UFG & Heating Value
8.11.2	Contract Demand Levels & Forecast Purchase Requirements
8.11.3	Purchase Cost of Gas Supplied to Load - 2019/20 Gas Year Forecast
8.11.4	Difference Between 2019/20 Gas Year Forecasted Non-Primary Gas Costs and Non-Primary Gas Costs
	Recoverable With Existing Base Rates
8.11.5	Comparison of Approved and 2019/20 Test Year Forecast

Centra Gas Manitoba Inc. 2019/20 General Rate Application Pre-hearing Update Actual Gas Costs for 2017/18 Gas Year

	Actual
1 Fixed Costs	
2 TCPL 3	
4 ANR	
5 GLGT	
6 Swan Valley & RM of Piney service territories	
7	
8 Total Fixed Costs	\$59,616,722
9	
10 Variable Transportation Costs	
11 TCPL	\$88,375
12 ANR	\$307,942
13 GLGT	\$164 286
14 Storage Gas - Transportation & Delivery Cost	
15 Supplemental Gas Delivered Service Imputed Transportation Cost	
16 Compressor Fuel Cost	
17 Miscellaneous Transportation Cost	\$38,461
18 Primary Gas Delivered Service Imputed Transportation Cost	
19	
20 Total Variable Transport Costs	\$7,997,802
21	
22 Supply Costs	
23 Primary	
24 Supplemental	
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles	
26	
27 Total Supply Costs	\$124,166,255
28	
29 <u>Other</u>	\$100,111
30 Minell	\$198,444
31 Capacity Management	(\$4,614,472)
32 Load Balancing Charges	\$199,425 (\$602,770)
33 GLGT Rate Settlement Refund and Revenue Sharing True-Up 34	(\$602,779)
35 Total Other	(\$4,819,383)
	(\$4,819,383)
37 Total Gas Cost Inflows	\$186,961,397
38	\$100,001,007
39 Purchased Volumes Excluding Primary WTS Supply (GJ)	
40 Primary Gas	
41 Supplemental Gas	
42 Supplemental Gas - Alternate Supply Service	
43 Total Volumes Excluding Primary WTS Supply (GJ)	
44	
45 Total Effective Heating Degree Days	
46	

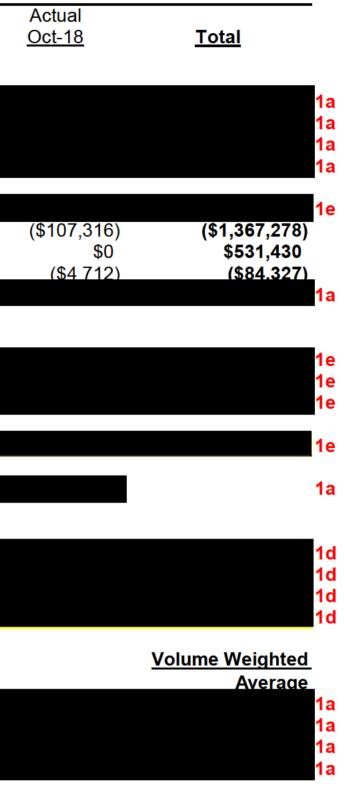
Schedule 8.8.0 July 24, 2019



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

2017/18 Gas Year Actual												
1 <u>Inflows</u>	<u>Oct-17</u>	Actual <u>Nov-17</u>	Actual <u>Dec-17</u>	Actual <u>Jan-18</u>	Actual <u>Feb-18</u>	Actual <u>Mar-18</u>	Actual <u>Apr-18</u>	Actual <u>May-18</u>	Actual <u>Jun-18</u>	Actual <u>Jul-18</u>	Actual <u>Aug-18</u>	Actual <u>Sep-18</u>
 Primary Gas Direct to Load Primary Gas from Storage Primary Gas Delivered Service Compressor Fuel for Primary Gas 												
 Total Inflows Less: UFG Component to Distribution PGVA Plus: UFG True-up Transferred from Distribution PGVA Less: FRPGS Cost of Gas Net After UFG Transfer 		(\$176,048) \$0 (\$8 815)	(\$246,601) \$0 (\$14 897)	(\$237,299) \$0 (\$15 072)	(\$204,406) \$0 (\$16 238)	(\$111,151) \$0 (\$8 503)	(\$93,764) \$0 (\$6 222)	(\$40,822) \$0 (\$3 604)	(\$29,346) \$531,430 (\$1 304)	(\$42,331) \$0 (\$1 662)	(\$29,679) \$0 (\$1 422)	(\$48,515) \$0 (\$1 877)
 3 4 <u>Outflows</u> 5 WACOG Outflows 6 Primary Gas PGVA Rider Amortization 7 Total Outflows 8 9 Carrying Costs 												
1 Net Balance												
 3 <u>GJ</u> 4 Primary Gas Direct to Load 5 Primary Gas from Storage 6 Primary Gas Delivered Service 7 Total 												
 Monthly Unit Costs- \$/GJ Primary Gas Direct to Load Primary Supply from Storage Primary Gas Delivered Service Primary Gas Average Unit Cost inc. Compressor Fuel 												
4 5 6 <u>Monthly Index Prices- \$/GJ</u> 7 Aeco Index Price 8 Empress Index Price		\$2.04 \$2.63	\$2.04 \$2.94	\$1.83 \$2.55	\$1.92 \$3.30	\$1.52 \$2.27	\$1.44 \$2.20	\$0.74 \$2.21	\$0.64 \$2.26	\$0.99 \$2.26	\$1.12 \$2.35	\$1.18 \$2.40

Schedule 8.8.1 July 24, 2019



	Arithmetic Average
\$1.34	\$1.40
\$2.24	\$2.47

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

2017/18 Gas Year Actual												
	Actual <u>Nov-17</u>	Actual <u>Dec-17</u>	Actual <u>Jan-18</u>	Actual <u>Feb-18</u>	Actual <u>Mar-18</u>	Actual <u>Apr-18</u>	Actual <u>May-18</u>	Actual <u>Jun-18</u>	Actual <u>Jul-18</u>	Actual <u>Aug-18</u>	Actual <u>Sep-18</u>	Actual <u>Oct-18</u>
Inflows Supplemental Supply Direct to the Load Storage Gas - Supplemental Supply Supplemental Gas Delivered Service Alternate Supply Service			<u>541-10</u>	<u>1 CD-10</u>	<u>mai - 10</u>	<u>Api-10</u>	<u>May-10</u>	<u>301-10</u>	<u>501-10</u>	Augrio		
Total Inflows Less: UFG Component to Distribution PGVA Less: UFG True-up Transferred from Distribution PGVA Net Inflow After UFG Transfer	(\$23,249) \$0	(\$22,194) \$0	(\$28,675) \$0	(\$54,401) \$0	(\$60,230) \$0	(\$28,029) \$0	(\$1,577) \$0	\$0 \$86,141	\$0 \$0	\$0 \$0	(\$13,780) \$0	(\$19
Outflows WACOG Outflows WACOG on Alternate Supply Service Total Outflows												
Carrying Costs Net Balance												
GJ Supplemental Supply Direct to the Load Storage Gas - Supplemental Supply Supplemental Gas Delivered Service Alternate Supply Service												
Total												
Monthly Unit Costs- \$/GJ Supplemental Supply Direct to the Load Storage Gas - Supplemental Supply Supplemental Gas Delivered Service Overall Supplemental Gas Average Unit Cost Alternate Supply Service												
Monthly Index Prices- \$/GJ Emerson Index Price Michigan City Gate Index Price NYMEX Index Price	\$3.07 \$3.42 \$3.36	\$3.62 \$3.37 \$3.66	\$3.40 \$3.50 \$3.19	\$5.05 \$3.67 \$4.41	\$3.09 \$2.95 \$3.23	\$2.91 \$2.98 \$3.27	\$3.06 \$3.07 \$3.44	\$2.88 \$3.14 \$3.43	\$2.90 \$3.12 \$3.45	\$2.91 \$3.12 \$3.46	\$2.88 \$3.04 \$3.43	\$2.89 \$3.06 \$3.44

Schedule 8.8.2 (a) July 24, 2019



		Actual
	Interim	vs. Interim
	Approved	Approved
Actual	Forecast	Forecast

1 Inflows

2 Supplemental Supply Direct to the Load

- 3 Storage Gas Supplemental Supply
- 4 Supplemental Gas Delivered Service
- 5 Alternate Supply Service
- 6

7 Total Inflows

- 8 Less: UFG Component to Distribution PGVA
- 9 Less: UFG True-up Transferred to Distribution PGVA

10 Net Inflow After UFG Transfer

11

12 Outflows

13 WACOG Outflows

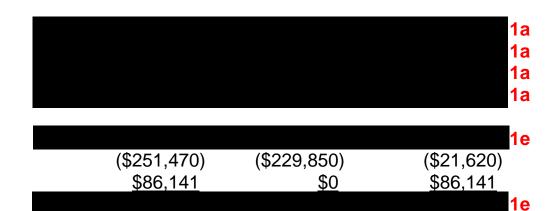
14 WACOG on Alternate Supply Service

15 Total Outflows

- 16
- 17 Carrying Costs to October 31, 2019
- 18

19 Net Balance

- 20
- 21 Supplemental Gas GJ's System Supply (includes UFG)
- 22 Alternate Supply Service GJ's
- 23 Supplemental Gas Average Unit Cost \$/GJ
- 24 Alternate Supply Service Average Unit Cost \$/GJ





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

17/18 Gas Year Actual													
	Actual <u>Nov-17</u>	Actual <u>Dec-17</u>	Actual <u>Jan-18</u>	Actual <u>Feb-18</u>	Actual <u>Mar-18</u>	Actual <u>Apr-18</u>	Actual <u>May-18</u>	Actual <u>Jun-18</u>	Actual <u>Jul-18</u>	Actual <u>Aug-18</u>	Actual <u>Sep-18</u>	Actual <u>Oct-18</u>	<u>Total</u>
flows		<u>Deo 11</u>				<u>//pr 10</u>	May 10			<u>//ug 10</u>	000 10	00010	Total
ed Cost													
t FT													
n Valley & RM of Piney service territories													
al 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
	\$5,175,255	<i>40,100,002</i>	\$5,000,000	<i>\$0,070,040</i>	\$5,007,000	¥4,000,272	ψ 1 ,020,110	\$4 ,0 40 , 410	<i>\\\\\\\\\\\\\</i>	¥4,007,024	ψ 1 ,02 1 ,002	¥4,000,047	<i>400,010,722</i>
able Costs	\$1,592	\$820	\$762	\$272	\$9,667	\$11,766	\$24,164	\$4,452	\$5,671	\$6,261	\$1 2,038	\$10,911	\$88,375
L K	\$58,992	\$86,030	\$702 \$95,444	\$51,715	\$9,007 \$15,762	\$11,700	\$24,104 \$0	\$4,452 \$0	\$3,071	\$0,201	\$12,038 \$0	\$10,911	\$307,942
ст ЭТ	\$33,782	\$49,155	\$54,108	\$23,801	\$44,860	\$0	(\$41,420)	\$0	\$0	\$0	\$0	\$0	\$164,286
age Gas - Transportation & Delivery Cost	\$290,528	\$437,682	\$493,811	\$254,134	\$34,795	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,510,950
Demental Gas Delivered Service Imputed Transportation Cost													
npressor Fuel for Storage and Supplemental Gas													
mary Gas Delivered Service Imputed Transportation Cost													
GT Rate Settlement Refund and Revenue Sharing True-Up	\$0	\$0	\$0	\$0	(\$37,489)	\$0	\$0	(\$565,290)	\$0	\$0	\$0	\$0	(\$602,779)
al 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	<mark>(</mark> \$527,419)	\$6,165,238
ier_													
ad 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
pacity Management													(\$4,614,472)
cellaneous Transportation													\$38,461
al 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
flows													
COG 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
rying Costs	(\$1,575)	<mark>(\$7,450)</mark>	(\$17,425)	(\$23,271)	(\$29,492)	(\$30,556)	(\$30,240)	(\$26,128)	(\$20,991)	(\$19,758)	(\$12,994)	(\$1 2,385)	(\$232,265)
Balance													

Schedule 8.8.3 (a) July 24, 2019

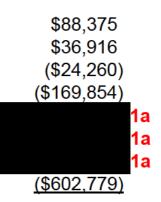
	A sture I	Interim Approved	,
1 Inflows	Actual	Forecast	
2			
3 Fixed Cost			
4 TCPL			
5 6 AND			
6 ANR 7 GLGT			
8 Swan Valley & RM of Piney service territories			
9			
10 Total Fixed Costs	\$59,616,722	\$63,183,431	
11			
12 Variable Costs	* • • • - - -	••	
13 TCPL	\$88,375	\$0 \$074 000	
14 ANR 15 GLGT	\$307,942 \$164,286	\$271,026 \$188,546	
16 Storage Gas - Transportation & Delivery Cost	\$164,286 \$1,510,950	\$1,680,804	
17 Supplemental Gas Delivered Service Imputed Transportation Cost	\$1,010,000	\$1,000,00 1	
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>	
21			
22 Total Variable Costs	\$6,165,238	\$2,648,139	
23 24 Other			
24 <u>Other</u> 25 TCDL Palanaing Face	¢100 425	¢250.000	
25 TCPL Balancing Fees 26 Capacity Management	\$199,425 (\$4,614,472)	\$250,000 (\$5,100,000)	
27 Miscellaneous Transportation	<u>\$38,461</u>	(\$0,100,000) <u>\$0</u>	
28	<u> </u>	<u>+-</u>	
29 Total Inflows	\$61,405,373	\$60,981,569	
30			
31 Outflows			
32 WACOG Outflows	\$67,087,197	\$60,908,560	
33 34 Carrying Casta to Ostabor 31, 2010	(0144 074)	ውው	
34 Carrying Costs to October 31, 2019 35	<u>(\$411,971)</u>	<u>\$0</u>	
36 Net Balance	(\$6,093,795)	\$73,009	
	(\$0,000,100)	<i>wi</i> 0,000	

Schedule 8.8.3 (b) July 24, 2019

> Actual vs. Interim Approved Forecast



(\$3,566,708)



\$3,517,099

(\$50,576) \$485,528 <u>\$38,461</u>

\$423,803

\$6,178,637

<u>(\$411,971)</u>

(\$6,166,804)

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

	Actual <u>Nov-17</u>	Actual <u>Dec-17</u>	Actual <u>Jan-18</u>	Actual <u>Feb-18</u>	Actual <u>Mar-18</u>	Actual <u>Apr-18</u>	Actual <u>May-18</u>	Actual <u>Jun-18</u>	Actual Jul-18	Actual <u>Aug-18</u>	Actual <u>Sep-18</u>	Actual <u>Oct-18</u>	<u>Total</u>
Inflows Minell Pipeline Charges UFG Costs Transferred In From Primary and Supplemental Gas PGVA's UFG True-up Impacts Transferred to Primary & Supplemental Gas PGVA's 	\$16,537 \$199,297 \$0	\$16,537 \$268,794 \$0	\$16,537 \$265,973 \$0	\$16,537 \$258,807 \$0	\$16,537 \$171,382 \$0	\$16,537 \$121,793 \$0	\$16,537 \$42,399 \$0	\$16,537 \$29,346 (\$617,571)	\$16,537 \$42,331 \$0	\$16,537 \$29,679 \$0	\$16,537 \$62,295 \$0	\$16,537 \$126,651 \$0	\$198,444 \$1,618,747 (\$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
7 <u>Outflows</u> 8 WACOG Outflows 9	\$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
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)	

Schedule 8.8.4 (a) July 24, 2019

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

	Actual <u>Nov-17</u>	Actual Dec-17	Actual <u>Jan-18</u>	Actual <u>Feb-18</u>	Actual <u>Mar-18</u>	Actual <u>Apr-18</u>	Actual <u>May-18</u>	Actual Jun-18	Actual Jul-18	Actual <u>Aug-18</u>	Actual <u>Sep-18</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
 Heating Value Revenue Deferral Heating Value Cost Deferral Heating Value Margin Deferral Carrying Costs Net Balance 											
10 Net Balance 11 12 Net Balance as at October 31, 2018											
 Carrying Costs - November 1, 2018 to October 31, 2019 Net Balance as at October 31, 2019 											





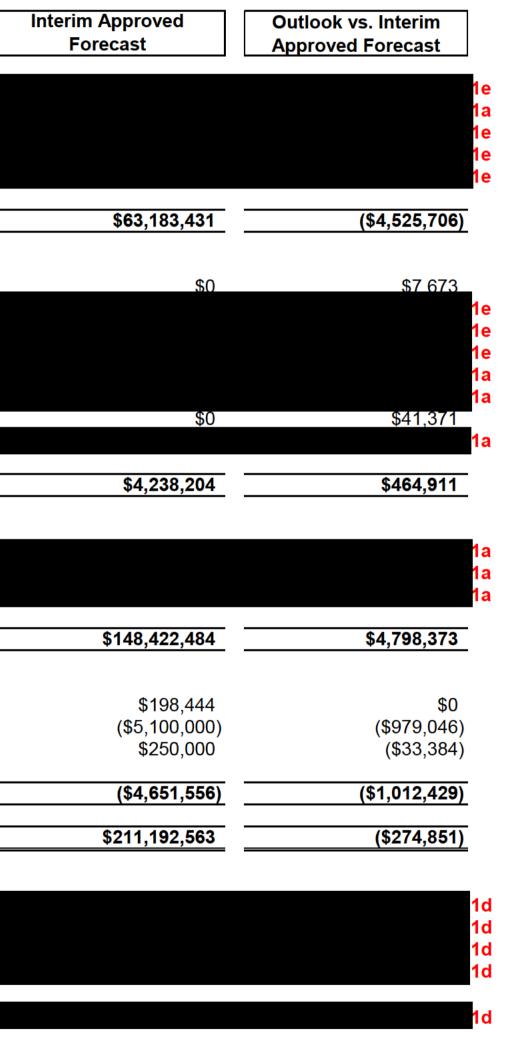
<u>Total</u>



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

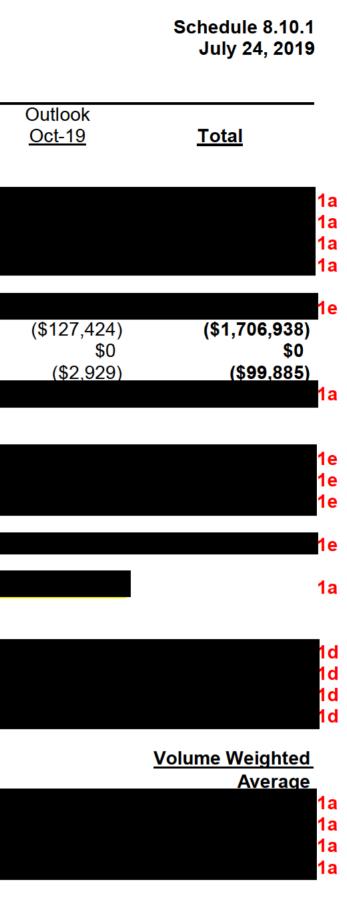
	Outlook
1 Fixed Costs	Outlook
2 TCPL	
3	
4 ANR	
5 GLGT	
6 Swan Valley & RM of Piney service territories	
7	
8 Total Fixed Costs	\$58,657,725
9	
10 Variable Transportation Costs	
11 TCPL	\$7 673
12 ANR	
13 GLGT	
14 Storage Gas - Transportation & Delivery Cost	
15 Supplemental Gas Delivered Service Imputed Transportation Cost	
16 Compressor Fuel Cost	
17 Miscellaneous Transportation Cost	\$41,371
18 Primary Gas Delivered Service Imputed Transportation Cost	
19	
20 Total Variable Transport Costs	\$4,703,115
21	
22 Supply Costs	
23 Primary	
24 Supplemental	
25 Supplemental Gas - Alternate Service for Curtailed Interruptibles	
26	
27 Total Supply Costs	\$153,220,857
28	
29 <u>Other</u>	
30 Minell	\$198,444
31 Capacity Management	(\$6,079,046)
32 Load Balancing Charges	\$216,616
33	
34 Total Other	(\$5,663,985)
35	
36 Total Gas Cost Inflows	\$210,917,711
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	

Schedule 8.10.0 July 24, 2019



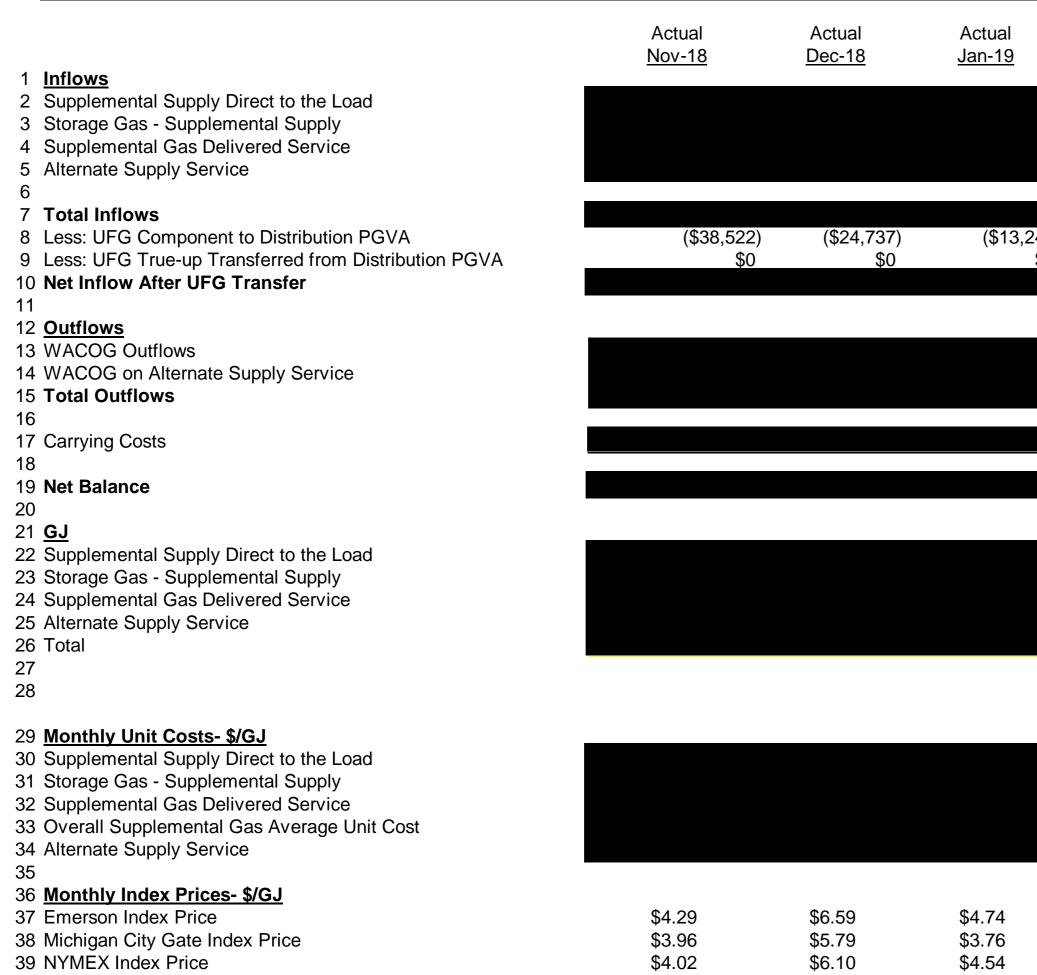
Centra Gas Manitoba Inc. 2019/20 General Rate Application Pre-hearing Update Purchase Variance Account - Primary Gas Account 2018/19 Gas Year Outlook

2018/19 Gas Year Outlook												
<u>Inflows</u>	<u>Oct-18</u>	Actual <u>Nov-18</u>	Actual <u>Dec-18</u>	Actual <u>Jan-19</u>	Actual <u>Feb-19</u>	Actual <u>Mar-19</u>	Outlook <u>Apr-19</u>	Outlook <u>May-19</u>	Outlook <u>Jun-19</u>	Outlook <u>Jul-19</u>	Outlook <u>Aug-19</u>	Outlook <u>Sep-19</u>
Primary Gas Direct to Load Primary Gas from Storage Primary Gas Delivered Service Compressor Fuel for Primary Gas												
Total Inflows Less: UFG Component to Distribution PGVA Less: UFG True-up Transferred from Distribution PGVA Less: FRPGS Cost of Gas Net After UFG Transfer		(\$226,784) \$0 (\$9,803)	(\$310,522) \$0 (\$22,834)	(\$297,729) \$0 (\$16,509)	(\$203,786) \$0 (\$18,609)	(\$163,379) \$0 (\$21,724)	(\$129, <mark>1</mark> 22) \$0 (\$3,587)	(\$70,951) \$0 (\$1,346)	(\$45,883) \$0 (\$778)	(\$36,253) \$0 (\$485)	(\$41,264) \$0 (\$470)	(\$53,840) \$0 (\$812)
 Outflows WACOG Outflows Primary Gas PGVA Rider Amortization Total Outflows 												
) Carrying Costs) Net Balance												
 GJ Primary Gas Direct to Load Primary Gas from Storage Primary Gas Delivered Service Total 												
 Monthly Unit Costs- \$/GJ Primary Gas Direct to Load Primary Supply from Storage Primary Gas Delivered Service Primary Gas Average Unit Cost inc. Compressor Fuel 												
 Monthly Index Prices- \$/GJ Aeco Index Price Empress Index Price 		\$1.90 \$3.56	\$2.15 \$5.12	\$1.61 \$4.42	\$1.85 \$3.26	\$2.07 \$2.66	\$1.37 \$2.71	\$1.11 \$2.26	\$0.94 \$2.21	\$0.96 \$2.23	\$1.06 \$2.33	\$1.12 \$2.39



	Arithmetic Average
\$1.43	\$1.46
\$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



\$4.45

\$4.84

\$6.69

40 Chicago/Joliet Index Price

	Actual <u>Feb-19</u>	Actual <u>Mar-19</u>	Outlook <u>Apr-19</u>	Outlook <u>May-19</u>	Outlook Jun-19	Outlook <u>Jul-19</u>	Outlook <u>Aug-19</u>	Outlook <u>Sep-19</u>	Outlo <u>Oct-1</u>
044)				(\$4.0)	¢0	¢0	¢0	¢0	
,244) \$0	(\$85,459) \$0	(\$93,188) \$0	(\$3,850) \$0	(\$19) \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
	\$3.86	\$3.55	\$3.15	\$2.78	\$2.86	\$2.89	\$2.86	\$2.86	\$2.88
	\$3.47 \$3.68 \$3.77	\$3.26 \$3.62 \$3.61	\$3.29 \$3.46 \$3.36	\$3.04 \$3.27 \$3.02	\$3.01 \$3.29 \$2.97	\$3.06 \$3.35 \$3.06	\$3.07 \$3.37 \$3.09	\$2.99 \$3.36 \$2.99	\$3.02 \$3.40 \$3.07

Schedule 8.10.2 (a) July 24, 2019



le

		Outlook
	Interim	vs. Interim
	Approved	Approved
Outlook	Forecast	Forecast

1 Inflows

- 2 Supplemental Supply Direct to the Load
- 3 Storage Gas Supplemental Supply
- 4 Supplemental Gas Delivered Service
- 5 Alternate Supply Service
- 6

7 Total Inflows

- 8 Less: UFG Component to Distribution PGVA
- 9 Less: UFG True-up Transferred to Distribution PGVA

10 Net Inflow After UFG Transfer

11

12 Outflows

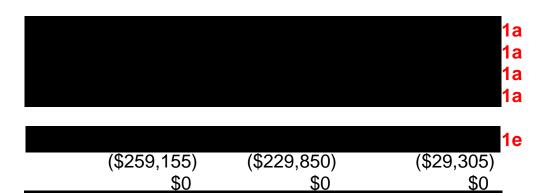
- 13 WACOG Outflows
- 14 WACOG on Alternate Supply Service

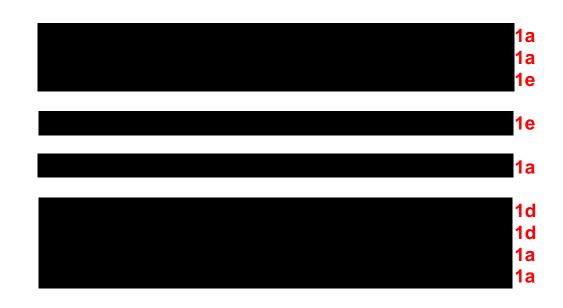
15 Total Outflows

- 16
- 17 Carrying Costs to October 31, 2019
- 18

19 Net Balance

- 20
- 21 Supplemental Gas GJ's System Supply (includes UFG)
- 22 Alternate Supply Service GJ's
- 23 Supplemental Gas Average Unit Cost \$/GJ
- 24 Alternate Supply Service Average Unit Cost \$/GJ





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

	Actual	Actual	Actual	Actual	Actual	Outlook	Outlook	Outlook	Outlook	Outlook	Outlook	Outlook	T - 4 - 1
flows	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Mar-19</u>	<u>Apr-19</u>	<u>May-19</u>	<u>Jun-19</u>	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>	<u>Oct-19</u>	<u>Total</u>
i <mark>xed Cost</mark> CPL													10
													1a
NR _GT													1e 1e
an Valley & RM of Piney service territories													10
otal 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
<u>riable Costs</u> PL	\$898	\$293	\$2.283	02	\$4.199	02	\$ 0	0\$	02	02	0.2	02	\$7.673
R		9290	\$2.205	4 0	94.199	30	4 0	4 0	4 0	4 0	4 0	40	1
GT rage Gas - Transportation & Delivery Cost													1
pplemental Gas Delivered Service Imputed Transportation Cost													1
mpressor Fuel for Storage and Supplemental Gas mary Gas Delivered Service Imputed Transportation Cost													1
mary Gas Delivered Gervice implified Transportation Cost													
al Variable Costs	\$577,180	\$1,114	\$608,128	\$808,570	\$725,396	\$156,055	\$2	\$0	\$0	\$0	\$0	\$218,653	\$3,095,100
<u>ner</u>													
ad Balancing Charges	\$5,665	\$6,123	\$6,349	\$1,250	\$6,229	\$55,000	\$50,000	\$5,000	\$4, <mark>0</mark> 00	\$4,000	\$18,000	\$55,000	\$216,616
pacity Management cellaneous Transportation													(\$6,079,046) 1 \$41,371 1
•													
al 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
	+=,===;===	• ., ,	+-,,	<i>•••••••••••••••••••••••••••••••••••••</i>	<i></i>	<i>•••</i> ,•••,•=•	+ 1,000,000	• .,,=	• -,,	• -,,	• -,,	÷ ,, ,	<i>••••</i> ,•••,•••
<u>tflows</u> COG 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, 96 3,428	\$4,290,276	\$66,912,100
	\$0,004,000	\$9,000,000	\$11,011,010	\$10,000,004			<i>\\\</i> 2,7 <i>\</i> 40,110	\$1,004,000	ψ1,400,020	ФТ, 4 47, 00 7	\$1,000,420	ψ 1 ,200,270	
rrying 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)
t 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 /33 135)	

Schedule 8.10.3 (a) July 24, 2019

	2016/19 Outlook vs. Interim Approved Forecast			,
				Outlook
		Outlook	Interim Approved	vs. Interim Approved
4	Inflowe	Outlook	Forecast	Forecast
2	Inflows			
3	Fixed Cost			
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	Variable Costs			
13	TCPL	\$7,673	\$0	\$7,673
14	ANR			1e
15	GLGT			1e
16	Storage Gas - Transportation & Delivery Cost			1 a
17	Supplemental Gas Delivered Service Imputed Transportation Cost			1 a
18	Compressor Fuel for Storage and Supplemental Gas			1 a
19	Primary Gas Delivered Service Imputed Transportation Cost			1 a
20				
21	Total Variable Costs	\$3,095,100	\$2,648,139	\$446,961
22				
23	Other			
24	TCPL Balancing Fees	\$216,616	\$250,000	(\$33,384)
	Capacity Management	(\$6,079,046)	(\$5,100,000)	(\$979,046)
20 27	Miscellaneous Transportation	<u>\$41,371</u>	<u>\$0</u>	<u>\$41,371</u>
27	Total Inflows	\$55,931,766	\$60,981,569	(\$5,049,803)
20		<i>\\</i> 00,001,700	400 ,301,003	(\$0,040,000)
	Outflows			
	WACOG Outflows	\$66,912,100	\$60,908,560	\$6,003,540
32		<i>,,</i> ,	+ 30,000,000	+ -,,
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)

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

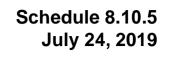
Inflows	Actual <u>Nov-18</u>	Actual Dec-18	Actual <u>Jan-19</u>	Actual <u>Feb-19</u>	Actual <u>Mar-19</u>	Outlook <u>Apr-19</u>	Outlook <u>May-19</u>	Outlook <u>Jun-19</u>	Outlook <u>Jul-19</u>	Outlook <u>Aug-19</u>	Outlook <u>Sep-19</u>	Outlook <u>Oct-19</u>	<u>Total</u>
1 Minell Pipeline Charges	\$16,537	\$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 6	\$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
 7 <u>Outflows</u> 8 WACOG Outflows 9 	\$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
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)	

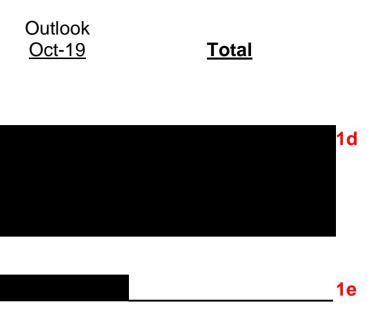
Schedule 8.10.4 (a) July 24, 2019

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

2018/19 Gas Year Outlook											
	Actual <u>Nov-18</u>	Actual <u>Dec-18</u>	Actual <u>Jan-19</u>	Actual <u>Feb-19</u>	Actual <u>Mar-19</u>	Outlook <u>Apr-19</u>	Outlook <u>May-19</u>	Outlook <u>Jun-19</u>	Outlook <u>Jul-19</u>	Outlook <u>Aug-19</u>	Outlook <u>Sep-19</u>
Heating Value (GJ/10 ³ m ³)	38.20	38.18	38.34	38.22	38.26						
Heating Value Revenue Deferral Heating Value Cost Deferral Heating Value Margin Deferral											
Carrying Costs											
Net Balance											





CENTRA GAS MANITOBA INC 2019/20 General Rate Application Pre-hearing Update	Pre-hearing update based on April 26, 2019	Application based on May 15, 2018		Schedule 8.10. July 24, 201	
Summary of All Non-Primary Gas Cost Deferral Balances to October 31, 2019	strin	strip	Variance	Variance Explanation	_
2018/19 Gas Year Outlook Balances					
Supplemental Gas PGVA		n/a		Discussion provided in Section 2.1.2 of Pre-hearing Update	1e
Transportation PGVA	(\$11,433,135)	n/a	(\$11,433,135)	Discussion provided in Section 2.1.3 of Pre-hearing Update	
Distribution PGVA	(\$279.230)	n/a	(\$279.230)	Discussion provided in Section 2.1.4 of Pre-hearing Update	
Heating Value Margin Deferral		n/a		Discussion provided in Section 2.1.5 of Pre-hearing Update	1e
2017/18 Gas Year Balances Supplemental Gas PGVA				Two items contribute to the Sector of Sector in the balance Sector of Sector Firstly, the 2017/18 Gas Year's final actual Supplemental Gas Average Unit Cost of Sector than the outlook Supplemental Gas Average Unit Cost provided through the initial Application. The Sector of differential multiplied against the total Supplemental Gas	9
				volumes (excluding Alternate Supply Service) of 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	1a, [,]
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) 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) ANR and GLGT cost cost resulting from CAD\$/USD\$ foreign exchange rates.	1a,
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.	0
Heating Value Margin Deferral				A sis 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 GJ/10 ³ m ³ .	1e
2016/17 Gas Year Balances					
Supplemental Gas PGVA				Carrying cost differences applicable to the period through October 31, 2019.	1e
Transportation PGVA	\$4,907,720	\$4,865,813	\$41,908	Carrying cost differences applicable to the period through October 31, 2019.	
Distribution PGVA	(\$955 267)	(\$947 110)	(\$8 156)	Carrying cost differences applicable to the period through October 31, 2019.	
Heating Value Margin Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
2015/16 Gas Year Balances					
Supplemental Gas PGVA				Carrying cost differences applicable to the period through October 31, 2019.	1e
Transportation PGVA	\$5,101,428	\$5,057,867	\$43,561	Carrying cost differences applicable to the period through October 31, 2019.	
Distribution PGVA	(\$1.700.712)	(\$1.686.188)	(\$14.524)	Carrying cost differences applicable to the period through October 31, 2019.	
Heating Value Margin Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
October 31, 2015 Prior-Period Gas Cost Deferral				Carrying cost differences applicable to the period through October 31, 2019.	1e
Total	<u>(\$21,337,277)</u>	<u>(\$6,437,117)</u>	<u>(\$14,900,160)</u>		

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

	Unit Rates for Fixed Transportation		<u>Nov-19</u>	<u>Dec-19</u>	Jan-20	<u>Feb-20</u>	<u>Mar-20</u>	Apr-20	<u>May-20</u>	<u>Jun-20</u>	<u>Jul-20</u>	<u>Aug-20</u>	<u>Sep-20</u>
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 TCPL Firm Transport Empress to SSDA	CDN\$/GJ/Month	\$1.4043 \$10.5321										
4 5	Abandonment Charge TCPL Firm Transport Emerson to MDA	CDN\$/GJ/Month	\$0.9831 \$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
8	TCPL STS Abandonment Charge	CDN\$/GJ/Month	\$4.1936 \$0.2516										
9 10	TCPL Firm Service Empress to CTHI (RM of Piney) Abandonment Charge	CDN\$/GJ/Month	\$15.8155 \$1.5929										
11 12													
13													
	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 17			\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21
18 19	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
	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
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 24	5	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
	ANR Seasonal Storage Capacity Reservation ANR Seasonal Storage Deliverability	CDN\$/GJ/Month CDN\$/GJ/Month	\$0.0294 \$1.9715	\$0.0294 \$1.9715	\$0.0294 \$1.9715	\$0.0294 \$1.9715	\$0.0294 \$1.9715						
27	ANR Annual Storage Capacity Reservation	CDN\$/GJ/Month	\$0.0321	\$0.0321	\$0.0321	\$0.0321	\$0.0321						
	ANR Annual Storage Deliverability ANR Joliet to Storage Winter	CDN\$/GJ/Month CDN\$/GJ/Month	\$1.9715 \$0.3746	\$1.9715 \$0.3746	\$1.9715 \$0.3746	\$1.9715 \$0.3746	\$1.9715 \$0.3746						
30	ANR Storage to Deward	CDN\$/GJ/Month	\$0.3746	\$0.3746	\$0.3746	\$0.3746	\$0.3746						
31 32 33	GLGT Deward to Emerson	CDN\$/GJ/Month	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093						
34 35 36 37 38													
39 40													
41	Unit Rates for Variable Transportation												
	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
	ANR Storage Withdrawal	CDN\$/GJ	\$0.0155	\$0.0155	\$0.0155	\$0.0155	\$0.0155						
48		CDN\$/GJ	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134						
50		CDN\$/GJ	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134						
51 52 53													
54													
55 56													
57 58													
59													
60	Commodity Unit Supply Prices												
	Primary Gas Direct to Load	CDN\$/GJ											
	Primary Supply from Storage Primary Gas Delivered Service	CDN\$/GJ CDN\$/GJ											
64	Primary Gas Average Unit Cost incl. Compressor Fuel	CDN\$/GJ											
65 66													
	Aeco Index Price Empress Index Price	CDN\$/GJ CDN\$/GJ	\$1.78 \$2.66	\$2.02 \$2.90	\$2.13 \$3.01	\$2.09 \$2.97	\$1.74 \$2.62	\$1.21 \$2.36	\$1.11 \$2.26	\$1.16 \$2.31	\$1.19 \$2.34	\$1.20 \$2.35	\$1.19 \$2.34

	Unit Rates for Fixed Transportation		<u>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>	Feb-20	<u>Mar-20</u>	<u>Apr-20</u>	<u>May-20</u>	<u>Jun-20</u>	<u>Jul-20</u>	<u>Aug-20</u>	<u>Sep-20</u>
1 2	TCPL Firm Transport Empress to MDA Abandonment Charge	CDN\$/GJ/Month	\$14.1815 \$1.4043										
3	TCPL Firm Transport Empress to SSDA Abandonment Charge	CDN\$/GJ/Month	\$10.5321 \$0.9831										
4 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 7	Abandonment Charge TCPL STS	CDN\$/GJ/Month	\$0.2516 \$4.1936										
8	Abandonment Charge TCPL Firm Service Empress to CTHI (RM of Piney)	CDN\$/GJ/Month	\$0.2516 \$15.8155										
10	Abandonment Charge	CDN4/C3/Monar	\$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 16	5 Nova Gas Transmission Limited 6 Abandonment Charge	CDN\$/GJ/Month	\$5.50 \$0.21										
17		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		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		CDN\$/10 ³ m ³ /Month	\$498.0033										
23	0	CDN\$/10 ³ m ³ /Month	\$498.0033 \$75.0400										
24 25	ANR Seasonal Storage Capacity Reservation	CDN\$/GJ/Month	\$0.0294	\$0.0294	\$0.0294	\$0.0294	\$0.0294						
26	 ANR Seasonal Storage Deliverability ANR Annual Storage Capacity Reservation 	CDN\$/GJ/Month CDN\$/GJ/Month	\$1.9715 \$0.0321	\$1.9715 \$0.0321	\$1.9715 \$0.0321	\$1.9715 \$0.0321	\$1.9715 \$0.0321						
28	3 ANR Annual Storage Deliverability	CDN\$/GJ/Month	\$1.9715	\$1.9715	\$1.9715	\$1.9715	\$1.9715						
	 ANR Joliet to Storage Winter ANR Storage to Deward 	CDN\$/GJ/Month CDN\$/GJ/Month	\$0.3746 \$0.3746	\$0.3746 \$0.3746	\$0.3746 \$0.3746	\$0.3746 \$0.3746	\$0.3746 \$0.3746						
31		CDN\$/GJ/Month	\$2.8093	\$2.8093	\$2.8093	\$2.8093	\$2.8093						
32 33 34	3	CDN\$/GJ/Mohan	φ2.0093	φ2.0093	φ2.0093	φ2.0093	φ2.0093						
35 36 37 38 39 40													
	2 Unit Rates for Variable Transportation												
43 44 45	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
46	6 ANR Storage Withdrawal 7 ANR Storage Trans From Crystal Falls	CDN\$/GJ CDN\$/GJ	\$0.0155 \$0.0134	\$0.0155 \$0.0134	\$0.0155 \$0.0134	\$0.0155 \$0.0134	\$0.0155 \$0.0134						
	GLGT Withdrawal	CDN\$/GJ	\$0.0134	\$0.0134	\$0.0134	\$0.0134	\$0.0134						
50 51													
52 53 54 55 56 57 58													
59													
60	Commodity Unit Supply Prices												
62 63 64 65		CDN\$/GJ CDN\$/GJ CDN\$/GJ CDN\$/GJ											
	7 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
68	3 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

52	
53	
54	
55	
56	
57	
58	
50	

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	\$
68 Empress Index Price	CDN\$/GJ	\$2

Schedule 8.11.1 July 24, 2019

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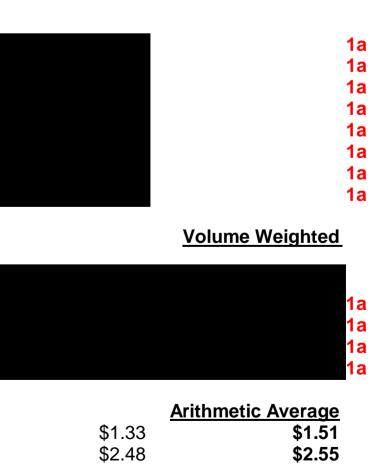
<u>Oct-20</u>

\$14.1815 \$1.4043 \$10.5321 \$0.9831 \$4.1936 \$0.2516 \$4.1936 \$0.2516 \$15.8155 \$1.5929

\$5.50 \$0.21
\$9.9971
\$6.0078
\$498.0033 \$75.0400



\$0.0220

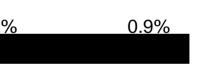


\$1.33 \$2.48

Supply prices for 2019/20 Gas Year per forward strip as of:	April 26, 2019													
														Volume Weighted
														Average
Supplemental Gas Direct to Load Storage Gas - Supplemental Supply Overall Supplemental Gas Average Unit Cost	CDN\$/GJ CDN\$/GJ CDN\$/GJ													1; 1; 1;
														Arithmetic Average
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	\$3.01
Alichigan 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	\$3.07
NYMEX Index Price		\$3.39 \$2.20	\$3.58	\$3.68	\$3.62	\$3.47 \$3.20	\$3.09 \$3.00	\$3.05 \$2.78	\$3.09 \$2.74	\$3.13 \$3.00	\$3.14 \$2.01	\$3.12	\$3.15	\$3.29 \$3.46
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
Storage Gas - Transportation Costs	CDN\$/GJ													1;
Exchange Rates														
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	
Fuel Ratios - %														
CPL 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%	
CPL 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%	
CPL 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%	
CPL 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%	
ANR Crystal Falls to and from Storage	%	0.63%	0.63%	0.63%	0.63%	0.63%								
ANR Joliet to Crystal Falls	%	0.63%	0.63%	0.63%	0.63%	0.63%								
ANR Storage Injection	%	0.00%	0.00%	0.00%	0.00%	0.00%								
														1:
														1:
														1:
														1:

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%
109 Heating Value	10 ³ m ³ /GJ											





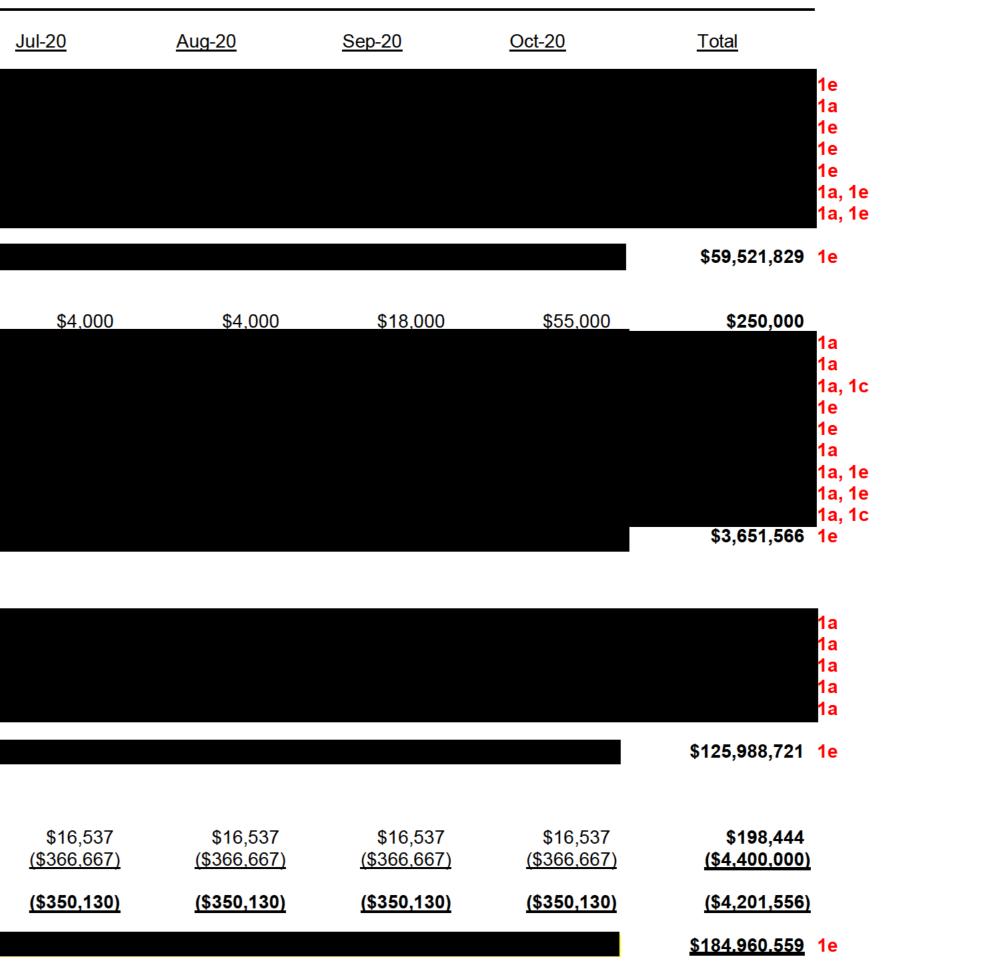
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Centra Gas Manitoba Inc. 2019/20 General Rate Application Pre-hearing Update Contract Demand Levels & Forecast Purchase Requirements 2019/20 Gas Year Forecast Supply prices for 2019/20 Gas Year per forward strip as of:	April 26, 2019													Schedule 8.11.2 July 24, 2019
Contract Demand Levels - GJ/day		<u>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>	Feb-20	<u>Mar-20</u>	<u>Apr-20</u>	<u>May-20</u>	<u>Jun-20</u>	<u>Jul-20</u>	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	
 1 TCPL Firm Transport Empress to MDA 2 TCPL Firm Transport Empress to SSDA 3 TCPL Firm Transport Emerson to MDA 4 TCPL Storage Transportation Service 5 TCPL Firm Service Empress to CTHI (RM of Piney) 	GJ / day GJ / day GJ / day GJ / day GJ / day	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	3,200 69,750 54,000 90	1a
7 8 Primary Gas Delivered Service	GJ / day													1a 1a
9 10 Nova Gas Transmission Limited 11	GJ / day													1a
 12 TransGas (Former Swan Valley Gas) 13 Many Islands (Former Swan Valley Gas) 14 	GJ / day GJ / day													1a 1a
15 CTHI Firm Service (RM of Piney) 16	10 ³ m ³ / day	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
 17 ANR Seasonal Storage Capacity Reservation 18 ANR Seasonal Storage Deliverability 19 ANR Annual Storage Capacity Reservation 20 ANR Annual Storage Deliverability 21 ANR Joliet to Storage Winter 22 ANR Storage to Deward 23 24 GLGT Deward to Emerson 	Max. Capacity GJ/day Max. Capacity GJ/day GJ/day GJ/day	9,100,000 94,322 7,400,000 123,442 42,202 215,614 236,716	9,100,000 94,322 7,400,000 123,442 42,202 215,614 236,716	9,100,000 94,322 7,400,000 123,442 42,202 215,614 236,716	9,100,000 94,322 7,400,000 123,442 42,202 215,614 236,716	9,100,000 94,322 7,400,000 123,442 42,202 215,614 236,716								
25 26 27 28 29 30 31 32 33 34 35 Purchase Requirement to Manitoba Load														1a 1a 1a 1a 1a 1a 1a 1a
36 37		<u>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>	Feb-20	<u>Mar-20</u>	<u>Apr-20</u>	<u>May-20</u>	<u>Jun-20</u>	<u>Jul-20</u>	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Total</u>
 38 39 Primary Supply to MDA, SSDA & SVG 	GJ													1d
 40 41 Primary Gas Storage Withdrawal to System Load 42 	GJ													1d
 43 TCPL Primary WTS Firm Service (direct to load) 44 	GJ													1d
45 WTS Primary Storage Gas Loan 46	GJ													1d
47 Supplemental Gas Storage Withdrawal48	GJ													1d
49 Supplemental Gas Direct to Load50	GJ													1d
51 Total Purchase Requirements to the Load	GJ													1d



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:	Ap	oril 26, 2019								
	!		5 40		E 1 00					
1 Fixed Transportation Costs (Including Abandonment Surcharges)		<u>Nov-19</u>	<u>Dec-19</u>	Jan-20	Feb-20	<u>Mar-20</u>	<u>Apr-20</u>	<u>May-20</u>	<u>Jun-20</u>	<u> </u>
2 TransCanada Pipelines Limited	CAD									
3										
4 ANR 5 GLGT	CAD CAD									
6 Swan Valley & RM of Piney service territories	CAD									
7										
9										
10 Total Fixed Transportation Costs	CAD									
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	
14 Compressor Fuel for Primary Gas	CAD				÷ = ; = = =		+ ,			
15 Compressor Fuel for Storage and Supplemental Gas	CAD									
16 Storage Gas - Transportation & Delivery Cost	CAD									
17 ANR	CAD									
18 GLGT 19 Primary Gas Delivered Service	CAD CAD									
20	OAD									
21										
22										
23 Total Variable Transportation Costs	CAD									
24 25 <u>Supply Costs</u>										
26										
27 Primary Supply Direct to System Supply Load	CAD									
28 Primary Gas Delivered Service	CAD									
29 Storage Gas - Primary Supply for System	CAD									
30 Storage Gas - Supplemental Supply31 Supplemental Gas Direct to Load	CAD CAD									
32	CAD									
33 Total Supply Costs	CAD									
34										
35 <u>Other Costs</u> 36										
37 Minell Charges	CAD	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	\$16,537	
38 Capacity Management Forecast	CAD	<u>(\$366,667)</u>								
39										
40 Total Other Costs 41	CAD	<u>(\$350,130)</u>								
41 42 Total Cost of Gas	CAD									

Schedule 8.11.3 (a) July 24, 2019



Cent	ra Gas Manitoba Inc.		Schedule 8.
	20 General Rate Application Pre-hearing Update		July 2
	hase Cost of Gas Supplied to Load		,
	20 Gas Year Forecast		
Supp	ly prices for 2019/20 Gas Year per forward strip as of:		April 26, 2019
1	Eixed Transportation Costs (Including Abandonment Surabarges)		<u>Total</u>
2	Fixed Transportation Costs (Including Abandonment Surcharges)	CAD	
2	TransCanada Pipelines Limited	CAD	
4	ANR	CAD	
5	GLGT	CAD	
6	Swan Valley & RM of Piney service territories	CAD	
7			
8			
9			
10	Total Fixed Transportation Costs	CAD	\$59,5
11			
12	Variable Transportation Costs		
13	Load Balancing Charges	CAD	\$2
14	1 2	CAD	
15	6 11	CAD	
16	Storage Gas - Transportation & Delivery Cost ANR	CAD CAD	
	GLGT	CAD	
19	Primary Gas Delivered Service	CAD	
20		0,10	
21			
22			
23	Total Variable Transportation Costs	CAD	\$3,6
24			
25	Supply Costs		
26			
27	Primary Supply Direct to System Supply Load	CAD	
28	Primary Gas Delivered Service	CAD	
29	Storage Gas - Primary Supply for System	CAD	
30 31	Storage Gas - Supplemental Supply Supplemental Gas Direct to Load	CAD CAD	
32	Supplemental Gas Direct to Load	CAD	
33	Total Supply Costs	CAD	\$125,98
34		0/12	¢120,0
35	Other Costs		
36			
37	Minell Charges	CAD	\$1
38	Capacity Management Forecast	CAD	<u>(\$4,4</u>)
39			
40			(***

40

41

Total Other Costs

42 Total Cost of Gas

8.11.3 (b) 24, 2019



,**521,829**





,**9**88,721

5198,444 ,<u>400,000)</u>

<u>(\$4,201,556)</u>

CAD

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:

April 26,	2019
(1)	(2)

		(1)	(2)
		Recoverable	
		at Existing	Forecast
		Base Rates	for 2019/20
	4		
1	Primary Gas ¹		
2	Supplemental Gas		
3	Transportation		
4	Distribution		
5			
6			
7	Totals	\$201,613,754	\$184,960,559
8			
9			
10	Non-Primary Gas Cost Totals	\$80,610,420	\$71,063,443
11		<i>+,,</i>	<i> </i>
	Note 1: Primary Gas cost recoverable at existing base rates is calculated using	the approved May 1, 2	2019 Primary Gas I

Schedule 8.11.4 July 24, 2019

(3)

Difference



(\$16,653,195)

(\$9,546,977)

billed rate.

Centra Gas Manitoba Inc. 2019/20 General Rate Application Pre-hearing Update Approved and 2019/20 Test Year Forecast Strip Date of April 26, 2019

1 Fixed Costs TCPL 3 ANR 5 GL GT Swan Valley & RM of Piney service territories 7 5 9 Total Fixed Costs 10 Total Fixed Costs \$59,521,829 12 Variable Transportation Costs \$0 13 TCPL \$0 14 ANR \$0 15 GL GT \$0 16 Storage Gas - Transportation & Delivery Cost \$1,403,868 17 Supplemental Gas Delivered Service Imputed Transportation Cost \$1,403,868 19 Miscelianeous Transportation Cost \$0 20 Primary Gas Delivered Service Imputed Transportation Cost \$1,403,868 20 Primary Gas Delivered Service Imputed Transportation Cost \$1,403,868 21 Total Variable Transport Costs \$3,401,566 22 Supplemental \$3,401,566 23 Supplemental \$1,403,868 24 Total Variable Transport Costs \$1,403,868 25 Supplemental \$1,403,868 26 Supplemental \$1,403,868 27 Primary \$1,403,868 30 Diter \$1,403,868 31 Total Supply Costs \$1,25,988,722 31 Total Supply Costs \$		19/20 Test Year Forecast
3 ANR 4 ANR 5 GLGT 5 Swan Valley & RM of Piney service territories 7 Swan Valley & RM of Piney service territories 8 Store 10 Total Fixed Costs 11 Storaportation Costs 12 Yariable Transportation Costs 13 TCPL 14 ANR 15 GLGT 16 Storage Cas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 14 Storage Cas - Transportation Cost 15 GLGT 16 Storage Cas - Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 Supply Costs 22 Supplemental 23 Other 30 Other 31 Total Supply Costs 32 Stalphienerial Gas - Alternate Service for Curtailed Interruptibles 30 Other 31 Total Supply Costs 32		
4 ANR 5 GLGT 5 Swan Valley & RM of Piney service territories 7 9 9 10 Total Fixed Costs 11 2 <u>Variable Transportation Costs</u> 11 2 <u>Variable Transportation Costs</u> 13 TCPL 14 ANR 15 GLGT 16 Storage Cas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 Ortal Supplemental Gas Delivered Service Imputed Transportation Cost 22 Ortal Variable Transport Costs 23 Ortal Variable Transport Costs 24 Total Variable Transport Costs 25 Supply Costs 27 Primary 28 Supplemental Gas - Alternate Service for Curtailed Interruptibles 30 Orther 31 Total Supply Costs 31 Total Supply Costs 32 Orther 34 Minell 35 Loca Balancing Charges 37 Total Gas Cost Inflows 41 Ortal Gas Cost Inflows 41 Cotal Gas - Alternate Supply Supply (GJ) 43 Primary Gas 41 Supplemental Gas - Alternate Supply Service 46 Cost Supplemental Gas - Alternate Supply Service 40 Ortal Gas - Alternate Supply Service		
5 GLGT 6 Swan Valley & RM of Piney service territories 6 Swan Valley & RM of Piney service territories 5 70 Total Fixed Costs \$59,521,829 11 2 Variable Transportation Costs \$0 13 TCPL \$0 14 ANR \$0 15 GLGT \$0 16 Storage Gas - Transportation & Delivery Cost \$1,403,868 19 Miscellaneous Transportation Cost \$1,403,868 19 Miscellaneous Transportation Cost \$1,403,868 10 Primary Gas Delivered Service Imputed Transportation Cost \$1,403,868 21 \$0 22 \$1 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 \$100 Primary 28 Supplemental Gas - Alternate Service for Curtailed Interruptibles \$125,988,720 30 Other \$138,444 50 Capacity Management \$138,444 50 Capacity Management \$250,000 31 Total Gas Cost Inflows \$184,960,559 41 21 \$184,960,559 42 21 \$184,960,559 31 Total Gas Cost Inflows		
6 Swan Valley & RM of Piney service territories 7 9 9 10 Total Fixed Costs 13 ToCPL 14 ANR 15 GLGT 15 Supplemental Gas Delivered Service Imputed Transportation Cost 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 23 Total Variable Transport Costs 25 Supply Costs 27 Primary 28 Supplemental Gas - Alternate Service for Curtailed Interruptibles 29 Supplemental Gas - Alternate Supply (GJ) 28 Total Other 29 Costs 29 Total Other 29 Costs 20 Costs 20 Costs 20 Costs 20 Costs 21 Total Supply Costs 23 Cost Inflows 24 Total Other 25 Cost Inflows 25		
7 \$59,521,829 10 Total Fixed Costs 11 2 Variable Transportation Costs 13 TCPL 14 \$0 15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 10 Total Variable Transportation Cost 10 Primary Gas Delivered Service Imputed Transportation Cost 11 Supplemental Gas - Alternate Service for Curtailed Interruptibles 12 5 14 Total Supply Costs 15 \$125,988,720 16 Supplemental 17 Supplemental 18 Supplemental 19 Supplemental 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles 20 Supplemental Gas 30		
9 10 Total Fixed Costs 12 Variable Transportation Costs 13 TCPL 14 ANR 15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas - Network Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 24 Total Variable Transport Costs 25 26 Supply Costs 27 Primary 28 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 20 Deter 30 Other 31 Total Supply Costs 30 Other 31 Minell 31 Total Supply Costs 32 Other 32 Other 33 Other 34 Minell 35 Capacity Management 36 Capacity Management 37 Fortal Gas Cost Inflows 38 Total Other 40 Total Gas Cost Inflows 41 Supplemental Gas 43 Supplemental Gas 44 Supplemental Gas 45 Supplemental Gas 46 Supplemental Gas 47 Primary Gas 48 Supplemental Gas 40 Total Gas - Alternate Supply Service 40 Supplemental Gas 40 Supplemental Gas	7	
9 10 Total Fixed Costs 12 Variable Transportation Costs 13 TCPL 14 ANR 15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas - Network Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 24 Total Variable Transport Costs 25 26 Supply Costs 27 Primary 28 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 20 Deter 30 Other 31 Total Supply Costs 30 Other 31 Minell 31 Total Supply Costs 32 Other 32 Other 33 Other 34 Minell 35 Capacity Management 36 Capacity Management 37 Fortal Gas Cost Inflows 38 Total Other 40 Total Gas Cost Inflows 41 Supplemental Gas 43 Supplemental Gas 44 Supplemental Gas 45 Supplemental Gas 46 Supplemental Gas 47 Primary Gas 48 Supplemental Gas 40 Total Gas - Alternate Supply Service 40 Supplemental Gas 40 Supplemental Gas	8	
10 Total Fixed Costs \$59,521,829 11 11 \$0 13 TCPL \$0 14 ANR \$0 15 GLGT \$0 16 Storage Gas - Transportation & Delivery Cost \$1 17 Supplemental Gas Delivered Service Imputed Transportation Cost \$0 20 Primary Gas Delivered Service Imputed Transportation Cost \$0 21 20 \$0 \$0 22 21 \$0 \$0 23 24 Total Variable Transport Costs \$3,401,566 24 Total Variable Transport Costs \$3,401,566 \$1 25 25 \$3 \$2 24 Total Variable Transport Costs \$3,401,566 \$2 26 Supply Costs \$125,988,720 \$3 30 Other \$198,444 \$198,444 \$198,444 31 Total Supply Costs \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,444 \$198,960,959 \$250,000 \$250,0		
11 Variable Transportation Costs 13 TCPL 14 ANR 15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 \$1,403,868 22 \$0 24 Total Variable Transport Costs 25 \$3,401,566 26 \$3,401,566 27 Primary 28 Supplemental 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles 0 \$11 20 \$125,988,720 21 \$125,988,720 22 \$125,988,720 23 \$11 24 Total Supply Costs 30 \$115,498,444 31 Total Supply Costs 30 \$125,988,720 32 \$125,988,720 33 \$125,988,720 34 </td <td>10 Total Fixed Costs</td> <td>\$59,521,829</td>	10 Total Fixed Costs	\$59,521,829
13 TCPL \$0 14 ANR \$1 14 ANR \$1 15 GLGT \$1 16 Storage Gas - Transportation & Delivery Cost \$1,403,868 17 Supplemental Gas Delivered Service Imputed Transportation Cost \$1,403,868 19 Miscellaneous Transportation Cost \$1,403,868 19 Miscellaneous Transportation Cost \$1,403,868 20 Primary Gas Delivered Service Imputed Transportation Cost \$1 21 22 23 24 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 \$1,403,868 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles \$1,403,868 30 \$10 \$125,988,720 31 Total Supply Costs \$125,988,720 \$125,988,720 32 33 Other \$198,444 35 Capacity Management \$198,444 \$198,444 \$250,000 37 Total Gas Cost Inflows \$184,960,559 \$184,960,559 39 \$10 total Gas Cost Inflows \$184,960,559 \$14 41 2 Purinary Gas \$184,960,559 \$14<		
14 ANR 15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 22 23 24 Total Variable Transport Costs 25 26 27 Primary 28 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 29 Supplemental 20 Total Supply Costs 30 31 Total Supply Costs 31 Total Supply Costs 32 33 Other 34 Minell 34 Minell 35 Load Balancing Charges 36 37 38 40 Total Gas Cost Inflows 41 42 43 44 52 32 34 44 52 35 36 </td <td>12 Variable Transportation Costs</td> <td></td>	12 Variable Transportation Costs	
15 GLGT 16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 19 Miscellaneous Transportation Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 22 23 24 Total Variable Transport Costs 25 26 27 Primary 28 Supplemental Gas - Alternate Service for Curtailed Interruptibles 30 30 31 Total Supply Costs 32 33 Other 34 Minell 5 Capacity Management 36 Coapacity Management 37 Otal Gas Cost Inflows 38 Total Gas Cost Inflows 39 41 29 30 31 32 33 34 34 35 36 37 38 39 30 30 31 31 31 <	13 TCPL	\$0
16 Storage Gas - Transportation & Delivery Cost 17 Supplemental Gas Delivered Service Imputed Transportation Cost 18 Compressor Fuel Cost 20 Primary Gas Delivered Service Imputed Transportation Cost 21 22 23 24 Total Variable Transport Costs 25 26 Supply Costs 27 Primary 28 Supplemental 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles 30 30 31 Total Supply Costs 32 33 34 Minell 35 Supply Costs 30 31 Total Supply Costs 32 34 Minell 35 Other 38 Other 38 Total Other 39 40 Total Gas Cost Inflows 41 42 43 44 45 46		
17 Supplemental Gas Delivered Service Imputed Transportation Cost \$1,403,868 18 Compressor Fuel Cost \$0 20 Primary Gas Delivered Service Imputed Transportation Cost \$0 21 \$0 22 \$1 23 \$3,401,566 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 \$3,401,566 27 Primary \$3,401,566 28 Supplemental Gas - Alternate Service for Curtailed Interruptibles \$125,988,720 30 \$125,988,720 \$125,988,720 31 Total Supply Costs \$198,444 30 Other \$198,444 \$198,444 34 Minell \$198,444 \$198,444 35 Capacity Management \$198,444 \$198,444 36 Capacity Management \$198,444 \$198,444 36 Capacity Management \$198,444 \$198,444 36 Capacity Management \$198,444 \$198,444 37 Ottal Gas Cost Inflows \$184,960,559 \$250,000 37 \$10 Other \$184,960,559 \$39 40 Total Gas Cost Inflows \$184,960,559 \$314		
18 Compressor Fuel Cost \$1,403,668 19 Miscellaneous Transportation Cost \$0 20 Primary Gas Delivered Service Imputed Transportation Cost \$0 21 22 22 23 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 \$1,403,868 27 Primary 28 Supply Costs \$3,401,566 29 \$170,000 20 \$170,000 21 \$100 22 \$125,988,720 30 \$125,988,720 32 \$125,988,720 33 \$1125,988,720 34 \$1198,444 35 Capacity Management 34 \$1198,444 35 Capacity Management 36 \$125,988,720 37 \$130,000 36 \$144,400,000 37 \$198,444 36 \$250,000 37 \$100,000 38 \$100,000 39 \$100,000 39 \$100,000 <t< td=""><td></td><td></td></t<>		
19 Miscellaneous Transportation Cost \$0 20 Primary Gas Delivered Service Imputed Transportation Cost \$1 21 \$1 22 \$3 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 \$3,401,566 27 Primary \$3 28 Supplemental \$1 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles \$125,988,720 30 \$125,988,720 32 \$125,988,720 33 Other 34 Minell 35 \$125,988,720 32 \$125,988,720 34 \$198,444 35 \$125,988,720 36 \$125,988,720 37 \$16 38 \$184,400,000) 39 \$250,000 37 \$1 39 \$13 40 Total Gas Cost Inflows 41 \$184,960,559 41 \$184,960,559 42 Purchased Volumes Excluding Primary WTS Supply (GJ) 43 Primary Gas <		¢1 102 000
20 Primary Gas Delivered Service Imputed Transportation Cost 21 22 23 24 24 Total Variable Transport Costs \$3,401,566 25 \$3,401,566 26 Supply Costs 27 Primary 28 Supplemental 29 Supplemental Gas - Alternate Service for Curtailed Interruptibles 30 1 31 Total Supply Costs 32 \$125,988,720 34 Minell 35 Capacity Management 41 \$198,444 45 Capacity Management 40 Total Gas Cost Inflows 37 \$100 Her 38 Total Gas Cost Inflows 39 \$184,960,559 39 \$184,960,559 31 Primary Gas 34 Supplemental Gas 35 Supplemental Gas 44 Supplemental Gas 45 Supplemental Gas 45 Supplemental Gas	•	
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Schedule 8.11.5 July 24, 2019

