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November 20, 2019

British Columbia Utilities Commission  
Suite 410, 900 Howe Street  
Vancouver, BC  
V6Z 2N3

Attention: Mr. Patrick Wruck, Commission Secretary and Manager, Regulatory Support

Dear Mr. Wruck:

**Re: FortisBC Energy Inc. (FEI or the Company) – Fort Nelson Service Area (Fort Nelson)**

**Gas Cost Reconciliation Account (GCRA), Commodity Cost Recovery Charge, Storage and Transport Charges, and the Revenue Stabilization Adjustment Mechanism (RSAM) Deferral Account and Rate Rider 5**

**2019 Fourth Quarter Gas Cost Report**

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The attached materials provide the FEI 2019 Fourth Quarter Gas Cost Report for Fort Nelson (the Fourth Quarter Report) as required under the British Columbia Utilities Commission (BCUC) guidelines. Further, in accordance with the FEI Application for 2019 and 2020 Revenue Requirements and Rates for the Fort Nelson Service Area, dated September 4, 2018, the Company provides the review of the RSAM deferral account and Rate Rider 5.

### **GCRA and Commodity Cost Recovery Charge**

Based on the five-day average of the November 5, 6, 7, 8, and 12, 2019 forward prices (five-day average forward prices ending November 12, 2019), the December 31, 2019 GCRA deferral balance is projected to be approximately \$169.6 thousand surplus after tax (Tab 1, Page 2, Column 14, Line 34). Further, based on the five-day average forward prices ending November 12, 2019, the gas purchase cost assumptions, and the forecast gas cost recoveries at present rates for the 12-month period ending December 31, 2020, and accounting for the projected December 31, 2019 deferral balance, the GCRA ratio is calculated to be 84.3% (Tab 1, Page 1, Column 4, Line 9), which falls outside the 95% to 105% deadband. The tested rate increase that would produce a 100% commodity recovery-to-cost ratio is calculated to be \$0.196/GJ (Tab 1, Page 1, Column 5, Line 27), which falls within the \$0.50/GJ minimum rate change threshold. The results of the two-criteria rate adjustment mechanism indicate that at this time no change is required to the commodity cost recovery charge.

The schedules at Tab 1, Pages 2 to 4 provide details of the recorded and forecast (based on the five-day average forward prices ending November 12, 2019) monthly GCRA balances, including the commodity and midstream related costs and recoveries for 2019 to September 2021.

### **Storage and Transport Charges**

The schedule at Tab 1, Page 8 provides the load factor adjusted allocation of the Fort Nelson transportation costs for all sales rate classes. The Company requests approval to set the Storage and Transport Charges for the sales rate classes to the revised amounts shown in Line 19 effective January 1, 2020. The Storage and Transport Charge for Rate Schedule 1 residential customers is proposed to increase by \$0.006/GJ, from \$0.044/GJ to \$0.050/GJ, effective January 1, 2020.

Provided at Tab 2, Pages 2 and 3 are the forecast monthly GCRA deferral balances based on the proposed Storage and Transport Charges, effective January 1, 2020.

Provided in Tab 3 is the detail of the forecast cost of gas for Fort Nelson. The Company requests the information contained in Tab 3 be treated as CONFIDENTIAL.

### **RSAM Deferral Account and Rate Rider 5**

The schedule at Tab 4, Page 1 shows the projected RSAM after tax balance, including interest, at December 31, 2019 of approximately \$125.6 thousand (Tab 4, Page 1, Line 2). Accordingly, the after tax amount to be amortized in 2020 is \$62.8 thousand. As shown on the schedule, this equates to \$86.0 thousand on a pre-tax basis (Tab 4, Page 1, Line 5).

Pursuant to the FEI Application for 2019 and 2020 Revenue Requirements and Rates for the Fort Nelson Service Area, Page 20, lines 3 to 15, the 2020 RSAM Rate Rider 5 is to be calculated based only on RS 1, RS 2, and RS 3 volumes (RS 5 currently does not have any customers). The RS 5 and RS 25 RSAM Rate Rider 5 will be held at the 2019 rate of \$0.199 per GJ for 2020 and will then be removed entirely from the RSAM Rate Rider determination in 2021. Therefore, to calculate the Fort Nelson RSAM Rate Rider for RS 1, RS 2, and RS 3 FEI has removed the forecasted RS 25 recoveries of the RSAM balance from the total amount to be recovered from RS 1, RS 2, and RS 3.

The 2020 forecast volumes for RS 25 total 41.3 TJ, multiplying this amount by the RS 25 approved RSAM Rate Rider 5 amount of \$0.199 per GJ results in a forecast recovery of \$8.2 thousand<sup>1</sup>. The aforementioned \$86 thousand is reduced by the \$8.2 thousand forecast to be recovered from RS 25 customers in Fort Nelson resulting in an amount of \$77.8 thousand<sup>2</sup> to be recovered from RS 1, RS 2, and RS 3 during 2020. The remaining amount of \$77.8 thousand divided by the 2020 forecast volume for RS 1, RS 2, and RS 3 of 440.4 TJ results

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<sup>1</sup> Tab 4, Page 1, Line 6.

<sup>2</sup> Tab 4, Page 1, Line 7

in an RSAM Rate Rider 5 for RS 1, RS 2, and RS 3 of \$0.177 per GJ<sup>3</sup> which is a \$0.022/GJ decrease from the existing RSAM Rate Rider 5 amount of \$0.199/GJ. FEI proposes to hold the RSAM Rate Rider 5 for RS 5 and RS 25 at its current level of \$0.199/GJ effective January 1, 2020.

In accordance with the FEI Application for 2019 and 2020 Revenue Requirements and Rates for the Fort Nelson Service Area<sup>4</sup>, FEI requests BCUC approval for a \$0.022 per GJ decrease in the RSAM Rate Rider 5 from the current amount of \$0.199/GJ to \$0.177/GJ, for RS 1, RS 2, and RS 3 and to hold the RSAM Rate Rider 5 at its current level of \$0.199/GJ for RS 5 and RS 25 effective January 1, 2020.

## **CONFIDENTIALITY**

FEI is requesting that this information be filed on a confidential basis pursuant to Section 18 of the BCUC's Rules of Practice and Procedure regarding confidential documents adopted by Order G-15-19, and Section 71(5) of the *Utilities Commission Act* and requests that the BCUC exercise its discretion under Section 6.0 of the Rules for Natural Gas Energy Supply Contracts and allow these documents to remain confidential. FEI believes this will ensure that market sensitive information is protected, and FEI's ability to obtain favourable commercial terms for future natural gas contracting is not impaired.

In this regard, FEI further believes that the Core Market could be disadvantaged and may well shoulder incremental costs if utility gas supply procurement strategies as well as contracts are treated in a different manner than those of other gas purchasers, and believes that since it continues to operate within a competitive environment, there is no necessity for public disclosure and risk prejudice or influence in the negotiations or renegotiation of subsequent contracts.

## **Summary**

The Company requests BCUC approval of the following, effective January 1, 2020:

- Approval for the Commodity Cost Recovery Charge, applicable to all sales rate classes in the Fort Nelson service area, to remain unchanged from \$1.048/GJ.
- Approval to flow-through changes to the Storage and Transport Charges, applicable to all sales rate classes in the Fort Nelson service area, as set out in the schedule at Tab 1, Page 8.
- Approval to set the RSAM Rate Rider 5, applicable to RS 1, RS 2, and RS 3 in Fort Nelson service area, from \$0.199/GJ to \$0.177/GJ.
- Approval for the RSAM Rate Rider 5, applicable to RS 5 and RS 25 in Fort Nelson service area, to remain unchanged at \$0.199/GJ.

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<sup>3</sup> Tab 4, Page 1, Line 10

<sup>4</sup> FEI Application for 2019 and 2020 Revenue Requirements and Rates for the Fort Nelson Service Area, Section 3.4, Pages 19-20.

For comparative purposes, the Company provides at Tabs 5 and 6 the tariff continuity and bill impact schedules for the Fort Nelson service area. These schedules have been prepared showing the combined effects of the approved delivery rates, effective January 1, 2020, the proposed gas cost recovery rates and the proposed RSAM Rate Rider 5 to be effective January 1, 2020. As a result, the annual bill for a typical Fort Nelson Rate Schedule 1 residential customer with an average annual consumption of 125 GJ will increase by approximately \$49 or 6.4%.

The Company will continue to monitor the forward prices and will report these results in the 2020 First Quarter Gas Cost Report.

We trust the BCUC will find the attached to be in order. However, should any further information be required, please contact Gurvinder Sidhu 604-592-7675.

Sincerely,  
**FORTISBC ENERGY INC.**

***Original signed:***

Doug Slater

Attachments

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GAS COST RECONCILIATION ACCOUNT (GCRA) RATE CHANGE TRIGGER MECHANISM**  
**COMMODITY COST RECOVERY CHARGE FLOW-THROUGH**  
**FOR THE FORECAST PERIOD JAN 2020 TO DEC 2020**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 1  
Page 1

Line No.	Particulars	Pre-Tax (\$000)	Forecast Energy (TJ)	Percentage	Unit Cost (\$/GJ)	Reference / Comment
	(1)	(2)	(3)	(4)	(5)	(6)
1	<b><u>COMMODITY COST RECOVERY CHARGE CHANGE TRIGGER RATIO</u></b>					
2	(a)					
3	Projected Pre-Tax GCRA Deferral Balance at Jan 1, 2020	\$ (232.4)				(Tab 1, Page 3, Col 14, Line 1)
4	Forecast Total Commodity Related Costs - Jan 2020 to Dec 2020	\$ 778.6				(Tab 1, Page 3, Col 14, Line 11)
5	Forecast Storage and Transport Related Activities Imbalance - Jan 2020 to Dec 2020	\$ 2.7				(Tab 1, Page 3, Col 14, Line 26)
6	Forecast Recovery at Existing Commodity Cost Recovery Charge - Jan 2020 to Dec 2020	\$ 462.7				(Tab 1, Page 3, Col 14, Line 18)
7						
8						
9	<b>Trigger</b> = $\frac{\text{Forecast Recovery at Existing Cost of Gas Recovery Rate (Line 6)}}{\text{Projected GCRA Balance (Line 3) + Forecast Commodity Related Costs (Line 4) + Forecast Storage and Transport Related Activities Imbalance (Line 5)}}$	\$ 462.7				
10	<b>Ratio</b> = $\frac{\text{Forecast Recovery at Existing Cost of Gas Recovery Rate (Line 6)}}{\text{Projected GCRA Balance (Line 3) + Forecast Commodity Related Costs (Line 4) + Forecast Storage and Transport Related Activities Imbalance (Line 5)}}$	\$ 548.9				
11				<b>84.3%</b>		<b>Outside 95% to 105% deadband</b>
12						
13						
14	<b><u>Existing Commodity Cost Recovery Charge, effective July 1, 2019</u></b>				<b>\$ 1.048</b>	
15						
16						
17						
18						
19	<b><u>COMMODITY COST RECOVERY CHARGE CHANGE THRESHOLD (+/- \$0.50/GJ)</u></b>					
20						
21	Forecast Sales Rate Classes Recovery Energy - Jan 2020 to Dec 2020		440.4			(Tab 1, Page 3, Col 14, Line 14)
22	(a)					
23	Projected Pre-Tax GCRA Balance at Jan 1, 2020	\$ (232.4)			\$ (0.5277) <sup>(b)</sup>	
24	Forecast 12-month GCRA Activities - Jan 2020 to Dec 2020	318.6			0.7235 <sup>(b)</sup>	
25	(Over) / Under Recovery at Existing Commodity Cost Recovery Charge	\$ 86.3				(Line 3 + Line 4 + Line 5 - Line 6)
26						
27	<b>Tested Commodity Cost Recovery Charge (Decrease) / Increase</b>				<b>\$ 0.196 <sup>(b)</sup></b>	<b>Within minimum +/- \$0.50/GJ threshold</b>

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.  
(b) Commodity Cost Recovery Charge in tariff is set at 3 decimal places. Individual rate components are shown to 4 decimal places.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING RATES**  
**RECORDED PERIOD TO OCT 2019 AND FORECAST TO DEC 2019**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 1  
Page 2

Line No.	Particulars		Recorded Jan-19	Recorded Feb-19	Recorded Mar-19	Recorded Apr-19	Recorded May-19	Recorded Jun-19	Recorded Jul-19	Recorded Aug-19	Recorded Sep-19	Recorded Oct-19	Projected Nov-19	Projected Dec-19	Jan-19 to Dec-19
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	<b>GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup></b>	\$	\$ (230,796)	\$ (213,045)	\$ (201,486)	\$ (229,209)	\$ (248,381)	\$ (260,808)	\$ (269,620)	\$ (268,575)	\$ (275,926)	\$ (281,029)	\$ (304,977)	\$ (285,962)	<b>\$ (230,796)</b>
2															
3	<b>2019 GCRA Activities</b>														
4	<u>Commodity Costs Incurred</u>														
5	Commodity Purchases <sup>(b)</sup>	GJ	92,100	87,400	44,300	24,000	18,300	9,000	5,850	9,400	18,000	38,000	61,707	78,132	486,189
6	Average Unit Cost of Gas Purchased	\$/GJ	1.694	1.654	1.007	0.698	0.608	0.465	0.619	0.512	0.502	0.362	1.324	1.740	1.277
7	(Line 8 / Line 5)														
8	Total Purchase Costs	\$	\$ 155,986	\$ 144,574	\$ 44,589	\$ 16,758	\$ 11,135	\$ 4,189	\$ 3,620	\$ 4,817	\$ 9,043	\$ 13,752	\$ 81,669	\$ 135,954	\$ 626,086
9	Imbalance Gas <sup>(c)</sup>		(8,299)	(13,067)	6,844	11,220	(1,040)	1,137	704	963	(855)	(156)	(299)	-	(2,849)
10	Company Use Gas Recovered from O&M		(352)	(442)	(232)	(25)	(39)	(24)	(15)	(6)	(27)	(30)	(414)	(635)	(2,242)
11	Commodity Related Costs Total (Lines 8, 9 & 10)	\$	\$ 147,335	\$ 131,064	\$ 51,200	\$ 27,952	\$ 10,056	\$ 5,302	\$ 4,309	\$ 5,773	\$ 8,161	\$ 13,567	\$ 80,957	\$ 135,319	\$ 620,994
12															
13	<u>Commodity Costs Recoveries</u>														
14	Sales Rate Classes Recovered	GJ	82,232	76,898	50,920	31,571	15,977	10,837	5,635	13,552	13,821	36,090	60,250	76,326	474,109
15	Adjust Sales Under / (Over) Accrual <sup>(d)</sup>	GJ	-	-	-	-	-	-	-	-	-	-	(2,115)	-	(2,115)
16	Recovery @ Approved Commodity Cost Recovery Rate	\$	\$ (127,522)	\$ (119,346)	\$ (76,615)	\$ (47,551)	\$ (23,594)	\$ (15,433)	\$ (4,802)	\$ (14,327)	\$ (14,457)	\$ (37,746)	\$ (60,925)	\$ (79,990)	\$ (622,308)
17	T-Service Balancing Gas		-	-	-	-	-	-	-	-	-	-	-	-	-
18	T-Service UAF Recovered <sup>(e)</sup>		(249)	(205)	(183)	(11)	5	6	(0)	(1)	(3)	(13)	(192)	(230)	(1,078)
19	Commodity Related Recovery Total (Lines 16, 17 & 18)	\$	\$ (127,771)	\$ (119,552)	\$ (76,798)	\$ (47,562)	\$ (23,589)	\$ (15,427)	\$ (4,802)	\$ (14,328)	\$ (14,460)	\$ (37,759)	\$ (61,117)	\$ (80,220)	\$ (623,386)
20	<b>Total Commodity Related Activities (Lines 11 &amp; 20)</b>	\$	\$ 19,564	\$ 11,513	\$ (25,598)	\$ (19,610)	\$ (13,533)	\$ (10,125)	\$ (493)	\$ (8,555)	\$ (6,300)	\$ (24,192)	\$ 19,840	\$ 55,098	\$ (2,391)
21															
22	<u>Storage and Transport Costs and Recoveries</u>														
23															
24	Transportation Costs Incurred <sup>(d)</sup>	\$	1,763	3,340	72	1,790	1,791	1,777	1,778	1,781	1,787	1,793	1,775	1,775	21,223
25	Recovery @ Approved Storage & Transport Rates		(3,576)	(3,294)	(2,198)	(1,352)	(685)	(463)	(240)	(578)	(590)	(1,549)	(2,599)	(3,295)	(20,419)
26															
27	<b>Total Storage and Transport Related Activities (Lines 24 &amp; 25)</b>	\$	\$ (1,813)	\$ 46	\$ (2,126)	\$ 438	\$ 1,106	\$ 1,314	\$ 1,538	\$ 1,204	\$ 1,197	\$ 243	\$ (824)	\$ (1,520)	\$ 803
28															
29	<b>GCRA Balance - Ending (Pre-tax) (Lines 1, 20 &amp; 27)</b>	\$	\$ (213,045)	\$ (201,486)	\$ (229,209)	\$ (248,381)	\$ (260,808)	\$ (269,620)	\$ (268,575)	\$ (275,926)	\$ (281,029)	\$ (304,977)	\$ (285,962)	\$ (232,383)	<b>\$ (232,383)</b>
30															
31	Tax Rate		27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
32															
33															
34	<b>GCRA Balance - Ending (After-tax)</b>	\$	\$ (155,523)	\$ (147,085)	\$ (167,323)	\$ (181,318)	\$ (190,390)	\$ (196,822)	\$ (196,060)	\$ (201,426)	\$ (205,151)	\$ (222,633)	\$ (208,752)	\$ (169,640)	<b>\$ (169,640)</b>

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.
- (b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.
- (c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.
- (d) Adjustment to the forecast recoveries to account for any under / (over) accrued Sales at the end of the recorded period.
- (e) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING RATES**  
**FORECAST PERIOD FROM JAN 2020 TO DEC 2020**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 1  
Page 3

Line No.	Particulars		Forecast Jan-20	Forecast Feb-20	Forecast Mar-20	Forecast Apr-20	Forecast May-20	Forecast Jun-20	Forecast Jul-20	Forecast Aug-20	Forecast Sep-20	Forecast Oct-20	Forecast Nov-20	Forecast Dec-20	Jan-20 to Dec-20
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup>	\$	\$ (232,383)	\$ (168,728)	\$ (112,529)	\$ (76,482)	\$ (64,187)	\$ (58,591)	\$ (54,943)	\$ (51,821)	\$ (47,947)	\$ (42,258)	\$ (27,873)	\$ 18,076	\$ (232,383)
2															
3	GCRA Activities														
4	Commodity Costs Incurred														
5	Commodity Purchases <sup>(b)</sup>	GJ	77,360	65,024	59,212	32,169	16,218	8,654	5,890	7,815	13,721	32,417	58,509	73,816	450,805
6	Average Unit Cost of Gas Purchased	\$/GJ	\$ 1.877	\$ 1.915	\$ 1.655	\$ 1.401	\$ 1.309	\$ 1.286	\$ 1.297	\$ 1.338	\$ 1.357	\$ 1.462	\$ 1.832	\$ 1.978	\$ 1.736
7	(Line 8 / Line 5)														
8	Total Purchase Costs	\$	\$ 145,179	\$ 124,500	\$ 97,990	\$ 45,076	\$ 21,230	\$ 11,131	\$ 7,642	\$ 10,455	\$ 18,614	\$ 47,381	\$ 107,212	\$ 145,975	\$ 782,385
9	Imbalance Gas <sup>(c)</sup>		-	-	-	-	-	-	-	-	-	-	-	-	-
10	Company Use Gas Recovered from O&M		(591)	(632)	(463)	(259)	(255)	(71)	(71)	(45)	(73)	(51)	(559)	(724)	(3,796)
11	Commodity Related Costs Total	\$	\$ 144,588	\$ 123,868	\$ 97,527	\$ 44,817	\$ 20,975	\$ 11,060	\$ 7,570	\$ 10,409	\$ 18,541	\$ 47,330	\$ 106,653	\$ 145,251	\$ 778,590
12															
13	Commodity Costs Recoveries														
14	Sales Rate Classes Recovered	GJ	75,617	63,490	57,835	31,416	15,754	8,455	5,737	7,651	13,438	31,817	57,113	72,083	440,406
15	Recovery @ Approved Commodity Cost Recovery Rate	\$	\$ (79,247)	\$ (66,537)	\$ (60,611)	\$ (32,924)	\$ (16,510)	\$ (8,861)	\$ (6,012)	\$ (8,018)	\$ (14,083)	\$ (33,344)	\$ (59,855)	\$ (75,543)	\$ (461,545)
16	T-Service Balancing Gas		-	-	-	-	-	-	-	-	-	-	-	-	-
17	T-Service UAF Recovered <sup>(d)</sup>		(229)	(200)	(183)	(55)	(3)	(0)	(0)	(0)	(1)	(39)	(192)	(224)	(1,126)
18	Commodity Related Recovery Total (Lines 15, 16 & 17)	\$	\$ (79,476)	\$ (66,737)	\$ (60,794)	\$ (32,979)	\$ (16,513)	\$ (8,861)	\$ (6,013)	\$ (8,018)	\$ (14,084)	\$ (33,384)	\$ (60,047)	\$ (75,767)	\$ (462,671)
19	Total Commodity Related Activities (Lines 11 & 18)	\$	\$ 65,112	\$ 57,131	\$ 36,733	\$ 11,838	\$ 4,462	\$ 2,200	\$ 1,558	\$ 2,391	\$ 4,457	\$ 13,947	\$ 46,606	\$ 69,484	\$ 315,918
20															
21															
22	Storage and Transport Costs and Recoveries														
23	Transportation Costs Incurred	\$	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 21,726
24	Recovery @ Approved Storage & Transport Rates		(3,267)	(2,742)	(2,497)	(1,354)	(676)	(363)	(246)	(327)	(578)	(1,372)	(2,467)	(3,116)	(19,006)
25															
26	Total Storage and Transport Related Activities (Lines 23 & 24)	\$	\$ (1,457)	\$ (932)	\$ (686)	\$ 457	\$ 1,134	\$ 1,448	\$ 1,564	\$ 1,483	\$ 1,232	\$ 439	\$ (657)	\$ (1,306)	\$ 2,720
27															
28	GCRA Balance - Ending (Pre-tax) (Lines 1, 19 & 26)	\$	\$ (168,728)	\$ (112,529)	\$ (76,482)	\$ (64,187)	\$ (58,591)	\$ (54,943)	\$ (51,821)	\$ (47,947)	\$ (42,258)	\$ (27,873)	\$ 18,076	\$ 86,255	\$ 86,255
29															
30	Tax Rate		27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
31															
32															
33	GCRA Balance - Ending (After-tax)	\$	\$ (123,171)	\$ (82,146)	\$ (55,832)	\$ (46,856)	\$ (42,771)	\$ (40,109)	\$ (37,829)	\$ (35,001)	\$ (30,848)	\$ (20,347)	\$ 13,196	\$ 62,966	\$ 62,966

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.  
(b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.  
(c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.  
(d) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING RATES**  
**FORECAST PERIOD FROM JAN 2021 TO DEC 2021**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 1  
Page 4

Line No.	Particulars	Forecast Jan-21	Forecast Feb-21	Forecast Mar-21	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	Jan-21 to Dec-21
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	<b>GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup></b>	\$ 86,255	\$ 161,119	\$ 221,645	\$ 268,760	\$ 285,709	\$ 294,966	\$ 301,020	\$ 306,122	\$ 312,383	\$ 321,936	\$ 344,699	\$ 398,684	\$ 86,255
2		\$												
3	<b>GCRA Activities</b>													
4	<u>Commodity Costs Incurred</u>													
5	Commodity Purchases <sup>(b)</sup>	GJ 72,890	61,271	55,781	30,284	15,252	8,137	5,538	7,332	12,921	30,521	55,128	69,683	424,738
6	Average Unit Cost of Gas Purchased	\$/GJ \$ 2.081	\$ 2.038	\$ 1.890	\$ 1.576	\$ 1.567	\$ 1.598	\$ 1.673	\$ 1.682	\$ 1.675	\$ 1.761	\$ 2.026	\$ 2.172	\$ 1.946
7	(Line 8 / Line 5)													
8	Total Purchase Costs	\$ 151,660	\$ 124,844	\$ 105,447	\$ 47,743	\$ 23,905	\$ 13,001	\$ 9,266	\$ 12,336	\$ 21,639	\$ 53,737	\$ 111,683	\$ 151,376	\$ 826,636
9	Imbalance Gas <sup>(c)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Company Use Gas Recovered from O&M	(655)	(672)	(529)	(292)	(306)	(88)	(92)	(57)	(90)	(62)	(618)	(795)	(4,257)
11	Commodity Related Costs Total	\$ 151,005	\$ 124,171	\$ 104,918	\$ 47,451	\$ 23,600	\$ 12,913	\$ 9,174	\$ 12,279	\$ 21,548	\$ 53,676	\$ 111,065	\$ 150,580	\$ 822,379
12														
13	<u>Commodity Costs Recoveries</u>													
14	Sales Rate Classes Recovered	GJ 71,221	59,799	54,461	29,563	14,804	7,947	5,391	7,176	12,652	29,953	53,789	68,017	414,773
15	Recovery @ <b>Approved Commodity Cost Recovery Rate</b>	\$ (74,640)	\$ (62,670)	\$ (57,075)	\$ (30,982)	\$ (15,514)	\$ (8,328)	\$ (5,650)	\$ (7,521)	\$ (13,259)	\$ (31,390)	\$ (56,371)	\$ (71,282)	\$ (434,682)
16	T-Service Balancing Gas	-	-	-	-	-	-	-	-	-	-	-	-	-
17	T-Service UAF Recovered <sup>(d)</sup>	(229)	(200)	(183)	(55)	(3)	(0)	(0)	(0)	(1)	(39)	(192)	(230)	(1,133)
18	Commodity Related Recovery Total (Lines 15, 16 & 17)	\$ (74,869)	\$ (62,870)	\$ (57,258)	\$ (31,037)	\$ (15,517)	\$ (8,329)	\$ (5,650)	\$ (7,521)	\$ (13,260)	\$ (31,429)	\$ (56,563)	\$ (71,512)	\$ (435,815)
19	<b>Total Commodity Related Activities</b> (Lines 11 & 18)	\$ 76,136	\$ 61,302	\$ 47,660	\$ 16,415	\$ 8,083	\$ 4,585	\$ 3,524	\$ 4,758	\$ 8,288	\$ 22,246	\$ 54,502	\$ 79,068	\$ 386,565
20														
21														
22	<u>Storage and Transport Costs and Recoveries</u>													
23	Transportation Costs Incurred	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 21,726
24	Recovery @ <b>Approved Storage &amp; Transport Rates</b>	(3,081)	(2,587)	(2,355)	(1,276)	(637)	(342)	(232)	(308)	(546)	(1,294)	(2,327)	(2,944)	(17,926)
25														
26	<b>Total Storage and Transport Related Activities</b> (Lines 23 & 24)	\$ (1,271)	\$ (776)	\$ (544)	\$ 535	\$ 1,174	\$ 1,469	\$ 1,579	\$ 1,503	\$ 1,265	\$ 517	\$ (516)	\$ (1,133)	\$ 3,800
27														
28	<b>GCRA Balance - Ending (Pre-tax)</b> (Lines 1, 19 & 26)	\$ 161,119	\$ 221,645	\$ 268,760	\$ 285,709	\$ 294,966	\$ 301,020	\$ 306,122	\$ 312,383	\$ 321,936	\$ 344,699	\$ 398,684	\$ 476,619	\$ 476,619
29														
30	Tax Rate	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
31														
32														
33	<b>GCRA Balance - Ending (After-tax)</b>	\$ 117,617	\$ 161,801	\$ 196,195	\$ 208,568	\$ 215,325	\$ 219,744	\$ 223,469	\$ 228,039	\$ 235,013	\$ 251,630	\$ 291,040	\$ 347,932	\$ 347,932

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.
- (b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.
- (c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.
- (d) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**STATION 2 INDEX FORECAST FOR THE PERIOD ENDING DEC 2021**

Tab 1  
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Line No	Particulars	Five-day Average Forward Prices - Nov 5, 6, 7, 8, and 12, 2019	Five-day Average Forward Prices - Aug 20, 21, 22, 23, and 26, 2019	Change in Forward Price
	(1)	2019 Q4 Gas Cost Report (2)	2019 Q3 Gas Cost Report (3)	(4) = (2) - (3)
1	<b>Station 2 Index Prices - \$CDN/GJ <sup>(a)</sup></b>			
2				
3	<b>2019</b>			
4	July	↑ \$ 0.62	<b>Recorded</b> \$ 0.62	\$ -
5	August	\$ 0.51	<b>Forecast</b> \$ 0.74	\$ (0.23)
6	September	\$ 0.50	\$ 0.86	\$ (0.36)
7	October	\$ 0.36	\$ 1.34	\$ (0.98)
8	November	\$ 1.25	\$ 1.56	\$ (0.31)
9	December	\$ 1.91	\$ 1.94	\$ (0.03)
10	<b>2020</b>			
11	January	↓ \$ 2.10	\$ 2.03	\$ 0.07
12	February	\$ 2.13	\$ 2.00	\$ 0.13
13	March	\$ 1.67	\$ 1.63	\$ 0.04
14	April	\$ 1.40	\$ 1.30	\$ 0.10
15	May	\$ 1.31	\$ 1.25	\$ 0.06
16	June	\$ 1.29	\$ 1.19	\$ 0.09
17	July	\$ 1.30	\$ 1.26	\$ 0.04
18	August	\$ 1.34	\$ 1.26	\$ 0.08
19	September	\$ 1.36	\$ 1.29	\$ 0.06
20	October	\$ 1.46	\$ 1.40	\$ 0.06
21	November	\$ 1.74	\$ 1.53	\$ 0.20
22	December	\$ 1.95	\$ 1.76	\$ 0.20
23	<b>2021</b>			
24	January	\$ 2.11	\$ 1.87	\$ 0.24
25	February	\$ 2.04	\$ 1.83	\$ 0.21
26	March	\$ 1.82	\$ 1.71	\$ 0.11
27	April	\$ 1.58	\$ 1.41	\$ 0.17
28	May	\$ 1.57	\$ 1.40	\$ 0.17
29	June	\$ 1.60	\$ 1.42	\$ 0.18
30	July	\$ 1.67	\$ 1.50	\$ 0.18
31	August	\$ 1.68	\$ 1.51	\$ 0.17
32	September	\$ 1.67	\$ 1.51	\$ 0.17
33	October	\$ 1.76	\$ 1.60	\$ 0.16
34	November	\$ 1.85	\$ 1.65	\$ 0.20
35	December	\$ 2.07	\$ 1.85	\$ 0.23
36	<i>Simple Average (Jan 2020 - Dec 2020)</i>	\$ 1.59	\$ 1.49	6.4% \$ 0.09
37	<i>Simple Average (Apr 2020 - Mar 2021)</i>	\$ 1.59	\$ 1.47	8.3% \$ 0.12
38	<i>Simple Average (Jul 2020 - Jun 2021)</i>	\$ 1.65	\$ 1.51	9.5% \$ 0.14
39	<i>Simple Average (Oct 2020 - Sep 2021)</i>	\$ 1.74	\$ 1.57	10.9% \$ 0.17
40	<i>Simple Average (Jan 2021 - Dec 2021)</i>	\$ 1.79		

Notes:

(a) Recorded monthly price reflects the average booked cost for the month.

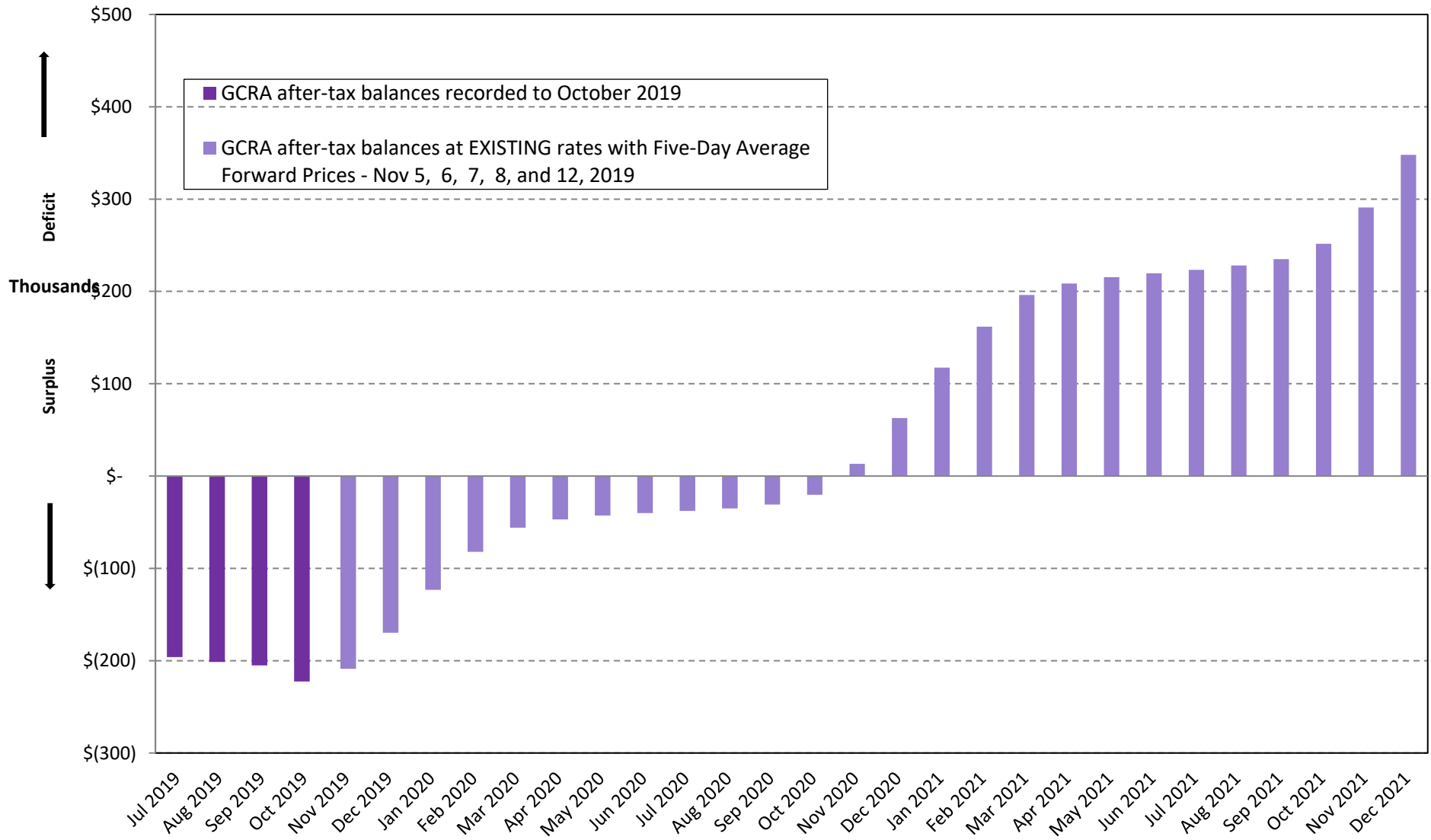
**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA AFTER-TAX BALANCES AT EXISTING RECOVERY RATES**  
**FOR FORECAST PERIOD ENDING DEC 2021**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**  
**(\$000)**

Tab 1  
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Line No	Particulars		Five-day Average Forward Prices - Nov 5, 6, 7, 8, and 12, 2019		Five-day Average Forward Prices - Aug 20, 21, 22, 23, and 26, 2019	
			2019 Q4 Gas Cost Report		2019 Q3 Gas Cost Report	
		(1)		(2)		(3)
1	<b>2019</b>	July		\$ (196.1)	<b>Recorded</b>	\$ (196.1)
2		August		\$ (201.4)	<b>Forecast</b>	\$ (194.6)
3		September		\$ (205.2)		\$ (195.6)
4		October	<b>Recorded</b>	\$ (222.6)		\$ (187.6)
5		November	<b>Forecast</b>	\$ (208.8)		\$ (161.3)
6		December		\$ (169.6)		\$ (117.6)
7	<b>2020</b>	January		\$ (123.2)		\$ (70.0)
8		February		\$ (82.1)		\$ (30.7)
9		March		\$ (55.8)		\$ (5.3)
10		April		\$ (46.9)		\$ 1.3
11		May		\$ (42.8)		\$ 4.7
12		June		\$ (40.1)		\$ 6.7
13		July		\$ (37.8)		\$ 8.9
14		August		\$ (35.0)		\$ 11.2
15		September		\$ (30.8)		\$ 14.7
16		October		\$ (20.3)		\$ 23.8
17		November		\$ 13.2		\$ 50.7
18		December		\$ 63.0		\$ 92.4
19	<b>2021</b>	January		\$ 117.6		\$ 137.6
20		February		\$ 161.8		\$ 174.7
21		March		\$ 196.2		\$ 205.4
22		April		\$ 208.6		\$ 214.1
23		May		\$ 215.3		\$ 219.0
24		June		\$ 219.7		\$ 222.4
25		July		\$ 223.5		\$ 225.4
26		August		\$ 228.0		\$ 229.1
27		September		\$ 235.0		\$ 234.5
28		October		\$ 251.6		
29		November		\$ 291.0		
30		December		\$ 347.9		

FortisBC Energy Inc. - Fort Nelson Service Area  
 GCRA After-Tax Monthly Balances  
 Recorded to October 2019 and Forecast to December 2021

Tab 1  
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**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**STORAGE AND TRANSPORT RELATED CHARGES FLOW-THROUGH BY RATE SCHEDULE**  
**FOR THE FORECAST PERIOD JAN 2020 TO DEC 2020**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 1  
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Line No.	Particulars	Unit	Residential RS-1 (2)	Commercial RS-2 (3)	RS-3 (4)	General Firm Service RS-5 (5)	NGV RS-6 (6)	Total (7)
	(1)							
1	<b>Fort Nelson Sales Quantity</b>	GJ	236,900	150,377	53,129	-	-	440,406
2								
3	<b>Load Factor Adjusted Quantity</b>							
4	Load Factor <sup>(a)</sup>	%	31.0%	30.5%	36.6%	47.0%	100.0%	
5	Load Factor Adjusted Quantity <sup>(b)</sup>	GJ	765,142	492,451	145,183	88,304	3,000	1,494,079
6	Load Factor Adjusted Volumetric Allocation	%	51.2%	33.0%	9.7%	5.9%	0.2%	100.0%
7								
8								
9								
10	<b>Transport Costs Load Factor Adjusted Allocation</b>							
11	Transportation Costs Allocated by Rate Class <sup>(c)</sup>	\$	11,794	7,590	2,238	1,361	46	23,029
12	Transportation Costs Allocated by Rate Class - Unitized	\$/GJ	0.0498	0.0505	0.0421	0.0328	0.0154	
13								
14								
15								
16								
17	<b>PROPOSED January 1, 2020 Flow-through Storage and Transport Charges</b>							
18								
19	<b>Storage and Transport Flow-Through</b>		<b>\$ 0.050</b>	<b>\$ 0.050</b>	<b>\$ 0.042</b>	<b>\$ 0.033</b>	<b>\$ 0.015</b>	
20	Existing Storage and Transport (effective Jan 1, 2019)		<u>0.044</u>	<u>0.044</u>	<u>0.037</u>	<u>0.031</u>	<u>0.014</u>	
21	Increase / (Decrease)	\$/GJ	<u>\$ 0.006</u>	<u>\$ 0.006</u>	<u>\$ 0.005</u>	<u>\$ 0.002</u>	<u>\$ 0.001</u>	
22	Increase / (Decrease)	%	13.14%	14.72%	13.84%	5.80%	10.10%	

**Notes:**

(a) Based on the historical 3-year (2016, 2017, and 2018 data) rolling average load factors for Rate Schedule 1, 2, 3 and 5.

(b) No customers are forecast in RS-5 and RS-6. For rates setting purpose, assume 41,500 GJ for RS-5 and 3,000 GJ for RS-6 as forecast sales quantities to calculate load factor adjusted allocation.

(c) Increase 6% transportation costs to cover the assumed RS-5 and RS-6 forecast sales quantities.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING COMMODITY COST RECOVERY CHARGE AND PROPOSED STORAGE AND TRANSPORT RATES**  
**RECORDED PERIOD TO OCT 2019 AND FORECAST TO DEC 2019**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 2  
Page 1

Line No.	Particulars (1)		Recorded Jan-19 (2)	Recorded Feb-19 (3)	Recorded Mar-19 (4)	Recorded Apr-19 (5)	Recorded May-19 (6)	Recorded Jun-19 (7)	Recorded Jul-19 (8)	Recorded Aug-19 (9)	Recorded Sep-19 (10)	Recorded Oct-19 (11)	Projected Nov-19 (12)	Projected Dec-19 (13)	Jan-19 to Dec-19 (14)
1	<b>GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup></b>	\$	\$ (230,796)	\$ (213,045)	\$ (201,486)	\$ (229,209)	\$ (248,381)	\$ (260,808)	\$ (269,620)	\$ (268,575)	\$ (275,926)	\$ (281,029)	\$ (304,977)	\$ (285,962)	<b>\$ (230,796)</b>
2															
3	<b>2019 GCRA Activities</b>														
4	<u>Commodity Costs Incurred</u>														
5	Commodity Purchases <sup>(b)</sup>	GJ	92,100	87,400	44,300	24,000	18,300	9,000	5,850	9,400	18,000	38,000	61,707	78,132	486,189
6	Average Unit Cost of Gas Purchased (Line 8 / Line 5)	\$/GJ	\$ 1.694	\$ 1.654	\$ 1.007	\$ 0.698	\$ 0.608	\$ 0.465	\$ 0.619	\$ 0.512	\$ 0.502	\$ 0.362	\$ 1.324	\$ 1.740	\$ 1.277
7															
8	Total Purchase Costs	\$	\$ 155,986	\$ 144,574	\$ 44,589	\$ 16,758	\$ 11,135	\$ 4,189	\$ 3,620	\$ 4,817	\$ 9,043	\$ 13,752	\$ 81,669	\$ 135,954	\$ 626,086
9	Imbalance Gas <sup>(c)</sup>		(8,299)	(13,067)	6,844	11,220	(1,040)	1,137	704	963	(855)	(156)	(299)	-	(2,849)
10	Company Use Gas Recovered from O&M		(352)	(442)	(232)	(25)	(39)	(24)	(15)	(6)	(27)	(30)	(414)	(635)	(2,242)
11	Commodity Related Costs Total (Lines 8, 9 & 10)	\$	\$ 147,335	\$ 131,064	\$ 51,200	\$ 27,952	\$ 10,056	\$ 5,302	\$ 4,309	\$ 5,773	\$ 8,161	\$ 13,567	\$ 80,957	\$ 135,319	\$ 620,994
12															
13	<u>Commodity Costs Recoveries</u>														
14	Sales Rate Classes Recovered	GJ	82,232	76,898	50,920	31,571	15,977	10,837	5,635	13,552	13,821	36,090	60,250	76,326	474,109
15	Adjust Sales Under / (Over) Accrual <sup>(d)</sup>	GJ	-	-	-	-	-	-	-	-	-	-	(2,115)	-	(2,115)
16	Recovery @ <b>Approved Commodity Cost Recovery Rate</b>	\$	\$ (127,522)	\$ (119,346)	\$ (76,615)	\$ (47,551)	\$ (23,594)	\$ (15,433)	\$ (4,802)	\$ (14,327)	\$ (14,457)	\$ (37,746)	\$ (60,925)	\$ (79,990)	\$ (622,308)
17	T-Service Balancing Gas		-	-	-	-	-	-	-	-	-	-	-	-	-
18	T-Service UAF Recovered <sup>(e)</sup>		(249)	(205)	(183)	(11)	5	6	(0)	(1)	(3)	(13)	(192)	(230)	(1,078)
19	Commodity Related Recovery Total (Lines 16, 17 & 18)	\$	\$ (127,771)	\$ (119,552)	\$ (76,798)	\$ (47,562)	\$ (23,589)	\$ (15,427)	\$ (4,802)	\$ (14,328)	\$ (14,460)	\$ (37,759)	\$ (61,117)	\$ (80,220)	\$ (623,386)
20	<b>Total Commodity Related Activities</b> (Lines 11 & 20)	\$	\$ 19,564	\$ 11,513	\$ (25,598)	\$ (19,610)	\$ (13,533)	\$ (10,125)	\$ (493)	\$ (8,555)	\$ (6,300)	\$ (24,192)	\$ 19,840	\$ 55,098	\$ (2,391)
21															
22	<u>Storage and Transport Costs and Recoveries</u>														
23															
24	Transportation Costs Incurred <sup>(d)</sup>	\$	\$ 1,763	\$ 3,340	\$ 72	\$ 1,790	\$ 1,791	\$ 1,777	\$ 1,778	\$ 1,781	\$ 1,787	\$ 1,793	\$ 1,775	\$ 1,775	\$ 21,223
25	Recovery @ <b>Approved Storage &amp; Transport Rates</b>		(3,576)	(3,294)	(2,198)	(1,352)	(685)	(463)	(240)	(578)	(590)	(1,549)	(2,599)	(3,295)	(20,419)
26															
27	<b>Total Storage and Transport Related Activities</b> (Lines 24 & 25)	\$	\$ (1,813)	\$ 46	\$ (2,126)	\$ 438	\$ 1,106	\$ 1,314	\$ 1,538	\$ 1,204	\$ 1,197	\$ 243	\$ (824)	\$ (1,520)	\$ 803
28															
29	<b>GCRA Balance - Ending (Pre-tax)</b> (Lines 1, 20 & 27)	\$	\$ (213,045)	\$ (201,486)	\$ (229,209)	\$ (248,381)	\$ (260,808)	\$ (269,620)	\$ (268,575)	\$ (275,926)	\$ (281,029)	\$ (304,977)	\$ (285,962)	\$ (232,383)	\$ (232,383)
30															
31	Tax Rate		27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
32															
33															
34	<b>GCRA Balance - Ending (After-tax)</b>	\$	\$ (155,523)	\$ (147,085)	\$ (167,323)	\$ (181,318)	\$ (190,390)	\$ (196,822)	\$ (196,060)	\$ (201,426)	\$ (205,151)	\$ (222,633)	\$ (208,752)	\$ (169,640)	\$ (169,640)

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.  
(b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.  
(c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.  
(d) Adjustment to the forecast recoveries to account for any under / (over) accrued Sales at the end of the recorded period.  
(e) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING COMMODITY COST RECOVERY CHARGE AND PROPOSED STORAGE AND TRANSPORT RATES**  
**FORECAST PERIOD FROM JAN 2020 TO DEC 2020**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 2  
Page 2

Line No.	Particulars		Forecast Jan-20	Forecast Feb-20	Forecast Mar-20	Forecast Apr-20	Forecast May-20	Forecast Jun-20	Forecast Jul-20	Forecast Aug-20	Forecast Sep-20	Forecast Oct-20	Forecast Nov-20	Forecast Dec-20	Jan-20 to Dec-20
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup>	\$	\$ (232,383)	\$ (169,173)	\$ (113,348)	\$ (77,641)	\$ (65,530)	\$ (60,026)	\$ (56,428)	\$ (53,340)	\$ (49,510)	\$ (43,900)	\$ (29,702)	\$ 15,912	\$ (232,383)
2															
3	GCRA Activities														
4	Commodity Costs Incurred														
5	Commodity Purchases <sup>(b)</sup>	GJ	77,360	65,024	59,212	32,169	16,218	8,654	5,890	7,815	13,721	32,417	58,509	73,816	450,805
6	Average Unit Cost of Gas Purchased	\$/GJ	\$ 1.877	\$ 1.915	\$ 1.655	\$ 1.401	\$ 1.309	\$ 1.286	\$ 1.297	\$ 1.338	\$ 1.357	\$ 1.462	\$ 1.832	\$ 1.978	\$ 1.736
7	(Line 8 / Line 5)														
8	Total Purchase Costs	\$	\$ 145,179	\$ 124,500	\$ 97,990	\$ 45,076	\$ 21,230	\$ 11,131	\$ 7,642	\$ 10,455	\$ 18,614	\$ 47,381	\$ 107,212	\$ 145,975	\$ 782,385
9	Imbalance Gas <sup>(c)</sup>		-	-	-	-	-	-	-	-	-	-	-	-	-
10	Company Use Gas Recovered from O&M		(591)	(632)	(463)	(259)	(255)	(71)	(71)	(45)	(73)	(51)	(559)	(724)	(3,796)
11	Commodity Related Costs Total	\$	\$ 144,588	\$ 123,868	\$ 97,527	\$ 44,817	\$ 20,975	\$ 11,060	\$ 7,570	\$ 10,409	\$ 18,541	\$ 47,330	\$ 106,653	\$ 145,251	\$ 778,590
12															
13	Commodity Costs Recoveries														
14	Sales Rate Classes Recovered	GJ	75,617	63,490	57,835	31,416	15,754	8,455	5,737	7,651	13,438	31,817	57,113	72,083	440,406
15	Recovery @ Approved Commodity Cost Recovery Rate	\$	\$ (79,247)	\$ (66,537)	\$ (60,611)	\$ (32,924)	\$ (16,510)	\$ (8,861)	\$ (6,012)	\$ (8,018)	\$ (14,083)	\$ (33,344)	\$ (59,855)	\$ (75,543)	\$ (461,545)
16	T-Service Balancing Gas		-	-	-	-	-	-	-	-	-	-	-	-	-
17	T-Service UAF Recovered <sup>(d)</sup>		(229)	(200)	(183)	(55)	(3)	(0)	(0)	(0)	(1)	(39)	(192)	(224)	(1,126)
18	Commodity Related Recovery Total (Lines 15, 16 & 17)	\$	\$ (79,476)	\$ (66,737)	\$ (60,794)	\$ (32,979)	\$ (16,513)	\$ (8,861)	\$ (6,013)	\$ (8,018)	\$ (14,084)	\$ (33,384)	\$ (60,047)	\$ (75,767)	\$ (462,671)
19	Total Commodity Related Activities (Lines 11 & 18)	\$	\$ 65,112	\$ 57,131	\$ 36,733	\$ 11,838	\$ 4,462	\$ 2,200	\$ 1,558	\$ 2,391	\$ 4,457	\$ 13,947	\$ 46,606	\$ 69,484	\$ 315,918
20															
21															
22	Storage and Transport Costs and Recoveries														
23	Transportation Costs Incurred	\$	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 21,726
24	Recovery @ Proposed Storage & Transport Rates		(3,712)	(3,116)	(2,837)	(1,538)	(768)	(412)	(280)	(372)	(657)	(1,559)	(2,803)	(3,541)	(21,595)
25															
26	Total Storage and Transport Related Activities (Lines 23 & 24)	\$	\$ (1,902)	\$ (1,306)	\$ (1,027)	\$ 272	\$ 1,042	\$ 1,398	\$ 1,531	\$ 1,439	\$ 1,153	\$ 252	\$ (993)	\$ (1,730)	\$ 131
27															
28	GCRA Balance - Ending (Pre-tax) (Lines 1, 19 & 26)	\$	\$ (169,173)	\$ (113,348)	\$ (77,641)	\$ (65,530)	\$ (60,026)	\$ (56,428)	\$ (53,340)	\$ (49,510)	\$ (43,900)	\$ (29,702)	\$ 15,912	\$ 83,665	\$ 83,665
29															
30	Tax Rate		27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
31															
32															
33	GCRA Balance - Ending (After-tax)	\$	\$ (123,496)	\$ (82,744)	\$ (56,678)	\$ (47,837)	\$ (43,819)	\$ (41,193)	\$ (38,938)	\$ (36,142)	\$ (32,047)	\$ (21,682)	\$ 11,615	\$ 61,076	\$ 61,076

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.  
(b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.  
(c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.  
(d) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA MONTHLY BALANCES AND ACTIVITIES AT EXISTING COMMODITY COST RECOVERY CHARGE AND PROPOSED STORAGE AND TRANSPORT RATES**  
**FORECAST PERIOD FROM JAN 2021 TO DEC 2021**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**

Tab 2  
Page 3

Line No.	Particulars	Forecast Jan-21	Forecast Feb-21	Forecast Mar-21	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	Jan-21 to Dec-21
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	<b>GCRA Balance - Beginning (Pre-tax) <sup>(a)</sup></b>	\$ 83,665	\$ 158,110	\$ 218,283	\$ 265,078	\$ 281,853	\$ 291,023	\$ 297,030	\$ 302,101	\$ 308,320	\$ 317,799	\$ 340,385	\$ 394,054	<b>\$ 83,665</b>
2	\$													
3	<b>GCRA Activities</b>													
4	<u>Commodity Costs Incurred</u>													
5	Commodity Purchases <sup>(b)</sup>	GJ 72,890	61,271	55,781	30,284	15,252	8,137	5,538	7,332	12,921	30,521	55,128	69,683	424,738
6	Average Unit Cost of Gas Purchased	\$/GJ \$ 2.081	\$ 2.038	\$ 1.890	\$ 1.576	\$ 1.567	\$ 1.598	\$ 1.673	\$ 1.682	\$ 1.675	\$ 1.761	\$ 2.026	\$ 2.172	\$ 1.946
7	(Line 8 / Line 5)													
8	Total Purchase Costs	\$ 151,660	\$ 124,844	\$ 105,447	\$ 47,743	\$ 23,905	\$ 13,001	\$ 9,266	\$ 12,336	\$ 21,639	\$ 53,737	\$ 111,683	\$ 151,376	\$ 826,636
9	Imbalance Gas <sup>(c)</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Company Use Gas Recovered from O&M	(655)	(672)	(529)	(292)	(306)	(88)	(92)	(57)	(90)	(62)	(618)	(795)	(4,257)
11	Commodity Related Costs Total	\$ 151,005	\$ 124,171	\$ 104,918	\$ 47,451	\$ 23,600	\$ 12,913	\$ 9,174	\$ 12,279	\$ 21,548	\$ 53,676	\$ 111,065	\$ 150,580	\$ 822,379
12														
13	<u>Commodity Costs Recoveries</u>													
14	Sales Rate Classes Recovered	GJ 71,221	59,799	54,461	29,563	14,804	7,947	5,391	7,176	12,652	29,953	53,789	68,017	414,773
15	Recovery @ <b>Approved Commodity Cost Recovery Rate</b>	\$ (74,640)	\$ (62,670)	\$ (57,075)	\$ (30,982)	\$ (15,514)	\$ (8,328)	\$ (5,650)	\$ (7,521)	\$ (13,259)	\$ (31,390)	\$ (56,371)	\$ (71,282)	\$ (434,682)
16	T-Service Balancing Gas	-	-	-	-	-	-	-	-	-	-	-	-	-
17	T-Service UAF Recovered <sup>(d)</sup>	(229)	(200)	(183)	(55)	(3)	(0)	(0)	(0)	(1)	(39)	(192)	(230)	(1,133)
18	Commodity Related Recovery Total (Lines 15, 16 & 17)	\$ (74,869)	\$ (62,870)	\$ (57,258)	\$ (31,037)	\$ (15,517)	\$ (8,329)	\$ (5,650)	\$ (7,521)	\$ (13,260)	\$ (31,429)	\$ (56,563)	\$ (71,512)	\$ (435,815)
19	<b>Total Commodity Related Activities</b> (Lines 11 & 18)	\$ 76,136	\$ 61,302	\$ 47,660	\$ 16,415	\$ 8,083	\$ 4,585	\$ 3,524	\$ 4,758	\$ 8,288	\$ 22,246	\$ 54,502	\$ 79,068	\$ 386,565
20														
21														
22	<u>Storage and Transport Costs and Recoveries</u>													
23	Transportation Costs Incurred	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 1,810	\$ 21,726
24	Recovery @ <b>Proposed Storage &amp; Transport Rates</b>	(3,501)	(2,939)	(2,675)	(1,450)	(723)	(388)	(263)	(350)	(620)	(1,470)	(2,644)	(3,345)	(20,368)
25														
26	<b>Total Storage and Transport Related Activities</b> (Lines 23 & 24)	\$ (1,691)	\$ (1,129)	\$ (865)	\$ 361	\$ 1,087	\$ 1,422	\$ 1,547	\$ 1,461	\$ 1,191	\$ 341	\$ (833)	\$ (1,534)	\$ 1,358
27														
28	<b>GCRA Balance - Ending (Pre-tax)</b> (Lines 1, 19 & 26)	\$ 158,110	\$ 218,283	\$ 265,078	\$ 281,853	\$ 291,023	\$ 297,030	\$ 302,101	\$ 308,320	\$ 317,799	\$ 340,385	\$ 394,054	\$ 471,588	<b>\$ 471,588</b>
29														
30	Tax Rate	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%	27.0%
31														
32														
33	<b>GCRA Balance - Ending (After-tax)</b>	\$ 115,420	\$ 159,347	\$ 193,507	\$ 205,753	\$ 212,447	\$ 216,832	\$ 220,534	\$ 225,073	\$ 231,993	\$ 248,481	\$ 287,659	\$ 344,259	<b>\$ 344,259</b>

Notes:

- (a) Pre-tax opening balances are restated based on current income tax rates, to reflect grossed-up after tax amounts.  
(b) Commodity Purchases include Company Use Gas quantities, as well as Sales & T-Service UAF requirements.  
(c) Imbalance Gas comprises the Enbridge - Westcoast Energy and T-Service imbalances, which vary monthly; the amount shown in the first Projected column reflects the forecast value to settle the total imbalance at the end of the recorded period.  
(d) Sales UAF costs are recovered via gas cost recovery rates; T-Service UAF costs are recovered via delivery revenues.

Slight differences in totals due to rounding.

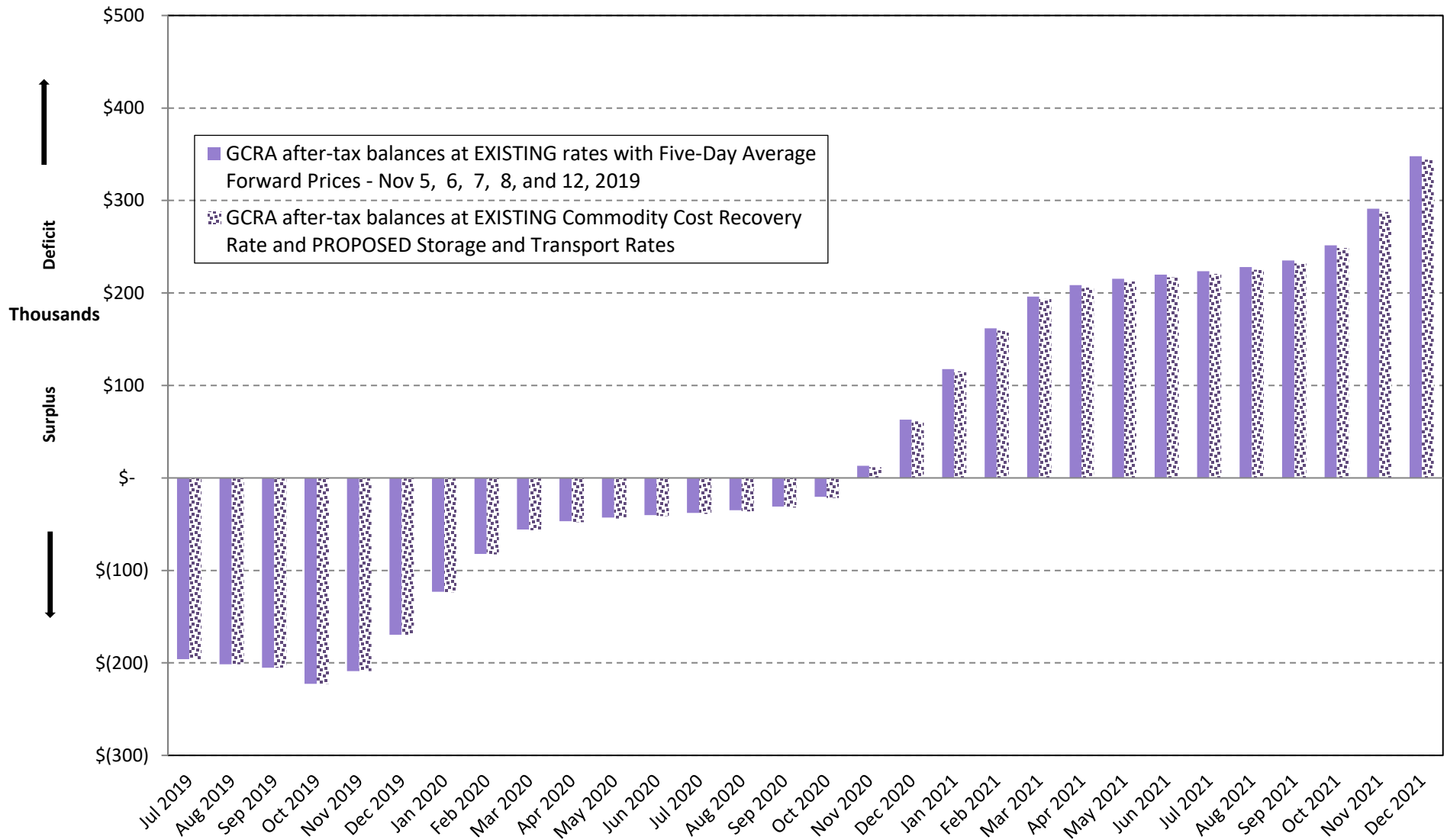
**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**GCRA AFTER-TAX BALANCES AT EXISTING COMMODITY COST RECOVERY RATE AND PROPOSED STORAGE AND TRANSPORT RATES**  
**FOR FORECAST PERIOD ENDING DEC 2021**  
**FIVE-DAY AVERAGE FORWARD PRICES - NOV 5, 6, 7, 8, AND 12, 2019**  
**(\$000)**

Tab 2  
Page 4

Line No	Particulars		2019 Q4 Gas Cost Report Proposed Rates - Jan 1, 2020		2019 Q4 Gas Cost Report Existing Rates	
		(1)		(2)		(3)
1	<b>2019</b>	July		\$ (196.1)		\$ (196.1)
2		August		\$ (201.4)		\$ (201.4)
3		September		\$ (205.2)		\$ (205.2)
4		October	<b>Recorded</b>	\$ (222.6)	<b>Recorded</b>	\$ (222.6)
5		November	<b>Forecast</b>	\$ (208.8)	<b>Forecast</b>	\$ (208.8)
6		December		\$ (169.6)		\$ (169.6)
7	<b>2020</b>	January		\$ (123.5)		\$ (123.2)
8		February		\$ (82.7)		\$ (82.1)
9		March		\$ (56.7)		\$ (55.8)
10		April		\$ (47.8)		\$ (46.9)
11		May		\$ (43.8)		\$ (42.8)
12		June		\$ (41.2)		\$ (40.1)
13		July		\$ (38.9)		\$ (37.8)
14		August		\$ (36.1)		\$ (35.0)
15		September		\$ (32.0)		\$ (30.8)
16		October		\$ (21.7)		\$ (20.3)
17		November		\$ 11.6		\$ 13.2
18		December		\$ 61.1		\$ 63.0
19	<b>2021</b>	January		\$ 115.4		\$ 117.6
20		February		\$ 159.3		\$ 161.8
21		March		\$ 193.5		\$ 196.2
22		April		\$ 205.8		\$ 208.6
23		May		\$ 212.4		\$ 215.3
24		June		\$ 216.8		\$ 219.7
25		July		\$ 220.5		\$ 223.5
26		August		\$ 225.1		\$ 228.0
27		September		\$ 232.0		\$ 235.0
28		October		\$ 248.5		\$ 251.6
29		November		\$ 287.7		\$ 291.0
30		December		\$ 344.3		\$ 347.9

FortisBC Energy Inc. - Fort Nelson Service Areas  
 GCRA After-Tax Monthly Balances  
 Recorded to October 2019 and Forecast to December 2021

Tab 2  
 Page 5



**FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA**  
**Delivery Rate Rider (Rider 5) Changes, effective January 1, 2020**

Tab 4  
Page 1

Line	Particulars	(\$000)	
1	<b><u>Rate Rider 5 (RSAM Rider)</u></b>		
2	RSAM + RSAM Interest, Projected December 31, 2019 Balance <sup>(1*)</sup>	\$	125.6
3	After-Tax Amortization = 1/2 x Closing Balance		62.8
4			
5	Pre-Tax Amortization = After-Tax Amortization / (1 - Tax Rate of 27.0%)	\$	86.0
6	Exclude Rate 5 and 25 RSAM Rider (2020 Forecast volumes x 2019 RSAM Rate Rider) <sup>(2*)</sup>		(8.2)
7		<b>\$</b>	<b>77.8</b>
8			
9	Forecast 2020 RSAM Volumes (TJ)		440.4
10	2020 RSAM (Rate Rider 5) \$/GJ	\$	0.177
11			
12			
13			
14			
15			
16	<b>Proposed January 1, 2020 RSAM Rate Rider by Rate Schedule</b>	<b>2020</b>	<b>Effective January 1, 2020</b>
17		<b>Forecast Volumes <sup>(3*)</sup></b>	<b>RSAM,</b>
18		<b>(TJ)</b>	<b>Rate Rider 5</b>
19	<b><u>Non-Bypass</u></b>	<b>(\$000s)</b>	<b>Rate Rider 5</b>
20	Rate 1 - Residential		<b>(\$/GJ)</b>
21	Rate 2 - Small Commercial	236.9	\$ 41.8
22	Rate 3 - Large Commercial	150.4	\$ 26.6
23	Total Non-Bypass	53.1	\$ 9.4
		440.4	77.8

Notes: (1\*) The projected December 31, 2019 balance is based on 10-month recorded and 2-month forecast.

(2\*) Per Lines 3 to 15 on Page 20 of the FEI Fort Nelson Service Area 2019 and 2020 Revenue Requirements and Rates Application, the 2020 RSAM rate rider is to be calculated based on only Rate Schedule 1, 2 and 3 volumes. The Rate Schedule 5 and 25 RSAM Rider rates are to be held at the 2019 rate of \$0.199/GJ for 2020 and will be phased-out from the RSAM rate rider in 2021. The 2020 forecast volumes for Rate 25 total 41.3 TJs.

(3\*) The 2020 forecast volumes were shown in Section 11, Schedule 28, Column 10, Lines 3, 5, and 6 of the FEI Fort Nelson Service Area 2019 and 2020 Revenue Requirements and Rate Application filed September 4, 2018, and in the financial schedules attached to the Order G-48-19 and Order G-10-19 Compliance Filing dated March 26, 2019.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDERS G-48-19 G-XX-19

TAB 5  
PAGE 1  
SCHEDULE 1

RATE SCHEDULE 1: RESIDENTIAL SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	<b>Basic Charge per Day</b>	<b>\$0.3701</b>	<b>\$0.0000</b>	<b>\$0.3701</b>
3				
4	Delivery Charge per GJ	\$3.712	\$0.406	\$4.118
5	Rider 5 RSAM per GJ	\$0.199	(\$0.022 )	\$0.177
6	<b>Subtotal Delivery Margin Related Charges per GJ</b>	<b>\$3.911</b>	<b>\$0.384</b>	<b>\$4.295</b>
7				
8				
9	<u>Commodity Related Charges</u>			
10	Storage and Transport Charge per GJ	\$0.044	\$0.006	\$0.050
11	Cost of Gas (Commodity Cost Recovery Charge) per GJ	\$1.048	\$0.000	\$1.048
12	<b>Subtotal of Commodity Related Charges per GJ</b>	<b>\$1.092</b>	<b>\$0.006</b>	<b>\$1.098</b>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDERS G-48-19 G-XX-19

TAB 5  
PAGE 2  
SCHEDULE 2

RATE SCHEDULE 2: SMALL COMMERCIAL SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	<b>Basic Charge per Day</b>	<b>\$1.2151</b>	<b>\$0.0000</b>	<b>\$1.2151</b>
3				
4	Delivery Charge per GJ	\$4.002	\$0.459	\$4.461
5	Rider 2 Delivery Rate Recovery per GJ	\$0.007	(\$0.007 )	\$0.000
6	Rider 5 RSAM per GJ	\$0.199	(\$0.022 )	\$0.177
7	<b>Subtotal Delivery Margin Related Charges per GJ</b>	<b>\$4.208</b>	<b>\$0.430</b>	<b>\$4.638</b>
8				
9				
10	<u>Commodity Related Charges</u>			
11	Storage and Transport Charge per GJ	\$0.044	\$0.006	\$0.050
12	Cost of Gas (Commodity Cost Recovery Charge) per GJ	\$1.048	\$0.000	\$1.048
13	<b>Subtotal of Commodity Related Charges per GJ</b>	<b>\$1.092</b>	<b>\$0.006</b>	<b>\$1.098</b>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDERS G-48-19 G-XX-19

TAB 5  
PAGE 3  
SCHEDULE 3

RATE SCHEDULE 3: LARGE COMMERCIAL SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	<b>Basic Charge per Day</b>	<b>\$3.6845</b>	<b>\$0.0000</b>	<b>\$3.6845</b>
3				
4	Delivery Charge per GJ	\$3.492	\$0.347	\$3.839
5	Rider 5 RSAM per GJ	\$0.199	(\$0.022 )	\$0.177
6	<b>Subtotal Delivery Margin Related Charges per GJ</b>	<b>\$3.691</b>	<b>\$0.325</b>	<b>\$4.016</b>
7				
8				
9	<u>Commodity Related Charges</u>			
10	Storage and Transport Charge per GJ	\$0.037	\$0.005	\$0.042
11	Cost of Gas (Commodity Cost Recovery Charge) per GJ	\$1.048	\$0.000	\$1.048
12	<b>Subtotal of Commodity Related Charges per GJ</b>	<b>\$1.085</b>	<b>\$0.005</b>	<b>\$1.090</b>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDERS G-48-19 G-XX-19

TAB 5  
PAGE 4  
SCHEDULE 5

RATE SCHEDULE 5 GENERAL FIRM SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	Basic Charge per Month	\$600.00	\$0.00	\$600.00
3				
4	Demand Charge per Month per GJ	\$31.785	\$2.869	\$34.654
5				
6	Delivery Charge per GJ	\$1.053	\$0.095	\$1.148
7	Rider 5 RSAM per GJ	\$0.199	\$0.000	\$0.199
8	Subtotal <b>Delivery Margin Related Charges per GJ</b>	<b>\$1.252</b>	<b>\$0.095</b>	<b>\$1.347</b>
9				
10	<u>Commodity Related Charges</u>			
11	Cost of Gas (Commodity Cost Recovery Charge) per GJ	\$1.048	\$0.000	\$1.048
12	Storage and Transport Charge per GJ	\$0.031	\$0.002	\$0.033
13	Subtotal <b>of Commodity Related Charges per GJ</b>	<b>\$1.079</b>	<b>\$0.002</b>	<b>\$1.081</b>
14				
15				
16				
17				
18	Total Variable Cost per gigajoule	<b>\$2.331</b>	<b>\$0.097</b>	<b>\$2.428</b>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDERS G-48-19 G-XX-19

TAB 5  
PAGE 5  
SCHEDULE 6

RATE SCHEDULE 6: NATURAL GAS VEHICLE SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	<b>Basic Charge per Day</b>	\$2.0041	\$0.0000	\$2.0041
3	<b>Delivery Charge per GJ</b>	\$2.923	\$0.069	\$2.992
4				
5				
6	<u>Commodity Related Charges</u>			
7	Cost of Gas (Commodity Cost Recovery Charge) per GJ	\$1.048	\$0.000	\$1.048
8	Storage and Transport Charge per GJ	\$0.014	\$0.001	\$0.015
9	<b>Subtotal of Commodity Related Charges per GJ</b>	<b>\$1.062</b>	<b>\$0.001</b>	<b>\$1.063</b>
10				
11				
12				
13				
14	<b>Total Variable Cost per gigajoule</b>	<b>\$3.985</b>	<b>\$0.070</b>	<b>\$4.055</b>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
CALCULATION OF CUSTOMERS' RATES AND TARIFF CONTINUITY  
PROPOSED JANUARY 1, 2020 RATES  
BCUC ORDER G-48-19

TAB 5  
PAGE 6  
SCHEDULE 25

RATE SCHEDULE 25 GENERAL FIRM TRANSPORTATION SERVICE		EXISTING RATES JULY 1, 2019	DELIVERY MARGIN RELATED CHARGES CHANGES	PROPOSED JANUARY 1, 2020 RATES <sup>1, 2</sup>
Line No.	Particulars	Fort Nelson	Fort Nelson	Fort Nelson
	(1)	(2)	(3)	(4)
1	<u>Delivery Margin Related Charges</u>			
2	<b>Basic Charge per Month</b>	\$600.00	\$0.00	\$600.00
3				
4	<b>Demand Charge per Month per GJ</b>	\$31.785	\$2.869	\$34.654
5				
6	<b>Delivery Charge per GJ</b>	\$1.053	\$0.095	\$1.148
7				
8	<b>Administration Charge per Month</b>	\$39.00	\$0.00	\$39.00
9				
10	<b>Rider 5 RSAM per GJ</b>	\$0.199	\$0.000	\$0.199
11				
12	<u>Non-Standard Charges</u>			
13	<b>Unauthorized Overrun Gas Charges</b>			
14	Per Gigajoule on first 5 percent of specified quantity	Station 2 Daily Price	\$0.00	Station 2 Daily Price
15		The greater of \$20.00/GJ or 1.5 x the		The greater of \$20.00/GJ or 1.5 x the
16	Per Gigajoule on all Gas over 5 percent of specified quantity	Station 2 Daily Price	\$0.00	Station 2 Daily Price
17				
18	<b>Charge per Gigajoule of Balancing Service provided</b>			
19	Quantities of Gas less than 10% of the Rate Schedule 25			
20	Authorized Quantity	No charge	\$0.00	No charge
21	Quantities of Gas over the greater of 100 Gigajoules or equal to			
22	or in excess of 10% or less than 20% of the Rate Schedule 25			
23	Authorized Quantity	\$0.25	\$0.00	\$0.25
24	Quantities of Gas over the greater of 100 Gigajoules or equal to			
25	or in excess of 20% of the Rate Schedule 25 Authorized			
26	Quantity			
27	(i) between and including April 1 and Oct 31	\$0.30	\$0.00	\$0.30
28	(ii) between and including Nov 1 and March 31	\$1.10	\$0.00	\$1.10
29				
30				
31	<b>Charge per Gigajoule of Balancing and/or Backstopping Gas</b>	Station 2 Daily Price	\$0.00	Station 2 Daily Price
32				
33				
34				
35				
36	<b>Total Variable Cost per gigajoule</b>	<u>\$1.252</u>	<u>\$0.095</u>	<u>\$1.347</u>

<sup>1</sup> Delivery rates are approved permanent pursuant to BCUC Order G-48-19 of the FEI 2019-2020 RRA for the Fort Nelson Service Area.

<sup>2</sup> The RSAM Rate Rider 5 is proposed to be held pursuant to the FEI 2016 Rate Design Application and as per the FEI Fort Nelson Service Area 2019 Fourth Quarter Gas Cost Report.

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES  
BCUC ORDERS G-48-19 G-XX-19  
**RATE SCHEDULE 1 - RESIDENTIAL SERVICE**

TAB 6  
PAGE 1

Line No.	Particular	EXISTING RATES JULY 1, 2019					PROPOSED JANUARY 1, 2020 RATES					Annual Increase/Decrease		
		Quantity		Rate		Annual \$	Quantity		Rate		Annual \$	Rate	Annual \$	% of Previous Total Annual Bill
1	<b>FORT NELSON SERVICE AREA</b>													
2	<u>Delivery Margin Related Charges</u>													
3	Basic Charge per Day	365.25	days x	\$0.3701	=	\$135.18	365.25	days x	\$0.3701	=	\$135.18	\$0.0000	\$0.00	0.00%
4														
5	Delivery Charge per GJ	125.0	GJ x	\$3.712	=	464.0000	125.0	GJ x	\$4.118	=	514.7500	\$0.406	50.7500	6.67%
6	Rider 5 RSAM per GJ	125.0	GJ x	\$0.199	=	24.8750	125.0	GJ x	\$0.177	=	22.1250	(\$0.022 )	(2.7500)	-0.36%
7	Subtotal Delivery Margin Related Charges					<b>\$624.06</b>					<b>\$672.06</b>		<b>\$48.00</b>	<b>6.31%</b>
8														
9	<u>Commodity Related Charges</u>													
10	Storage and Transport Charge per GJ	125.0	GJ x	\$0.044	=	\$5.50	125.0	GJ x	\$0.050	=	\$6.25	\$0.006	\$0.75	0.10%
11														
12	Cost of Gas (Commodity Cost Recovery Charge) per GJ	125.0	GJ x	\$1.048	=	\$131.00	125.0	GJ x	\$1.048	=	\$131.00	\$0.000	\$0.00	0.00%
13	Subtotal Commodity Related Charges					<b>\$136.50</b>					<b>\$137.25</b>		<b>\$0.75</b>	<b>0.10%</b>
14														
15	Total (with effective \$/GJ rate)	125.0		\$6.084		<b>\$760.56</b>	125.0		\$6.474		<b>\$809.31</b>	\$0.390	<b>\$48.75</b>	<b>6.41%</b>

Notes: Tariff rate schedule per GJ charges are set at 3 decimals. Individual tariff components are calculated and shown to 4 decimals; subtotal amounts, equivalent to the line items on customer bills, are rounded and shown to 2 decimals, consistent with actual invoice calculations. Slight differences in totals due to rounding

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES  
BCUC ORDERS G-48-19 G-XX-19  
**RATE SCHEDULE 2 - SMALL COMMERCIAL SERVICE**

TAB 6  
PAGE 2

Line No.	Particular	EXISTING RATES JULY 1, 2019					PROPOSED JANUARY 1, 2020 RATES					Annual Increase/Decrease		
		Quantity		Rate		Annual \$	Quantity		Rate		Annual \$	Rate	Annual \$	% of Previous Total Annual Bill
1	<b>FORT NELSON SERVICE AREA</b>													
2	<u>Delivery Margin Related Charges</u>													
3	Basic Charge per Day	365.25	days	x	\$1.2151	= \$443.82	365.25	days	x	\$1.2151	= \$443.82	\$0.0000	\$0.00	0.00%
4														
5	Delivery Charge per GJ	350.0	GJ	x	\$4.002	= 1,400.7000	350.0	GJ	x	\$4.461	= 1,561.3500	\$0.459	160.6500	6.99%
6	Rider 2 Delivery Rate Recovery per GJ	350.0	GJ	x	\$0.007	= 2.4500	350.0	GJ	x	\$0.000	= 0.0000	(\$0.007 )	(2.4500)	-0.11%
7	Rider 5 RSAM per GJ	350.0	GJ	x	\$0.199	= 69.6500	350.0	GJ	x	\$0.177	= 61.9500	(\$0.022 )	(7.7000)	-0.33%
8	Subtotal Delivery Margin Related Charges					<b>\$1,916.62</b>					<b>\$2,067.12</b>		<b>\$150.50</b>	<b>6.55%</b>
9														
10	<u>Commodity Related Charges</u>													
11	Storage and Transport Charge per GJ	350.0	GJ	x	\$0.044	= \$15.40	350.0	GJ	x	\$0.050	= \$17.50	\$0.006	\$2.10	0.09%
12														
13	Cost of Gas (Commodity Cost Recovery Charge) per GJ	350.0	GJ	x	\$1.048	= \$366.80	350.0	GJ	x	\$1.048	= \$366.80	\$0.000	\$0.00	0.00%
14	Subtotal Commodity Related Charges					<b>\$382.20</b>					<b>\$384.30</b>		<b>\$2.10</b>	<b>0.09%</b>
15														
16	Total (with effective \$/GJ rate)	350.0			\$6.568	<b>\$2,298.82</b>	350.0		\$7.004		<b>\$2,451.42</b>	\$0.436	<b>\$152.60</b>	<b>6.64%</b>

Notes: Tariff rate schedule per GJ charges are set at 3 decimals. Individual tariff components are calculated and shown to 4 decimals; subtotal amounts, equivalent to the line items on customer bills, are rounded and shown to 2 decimals, consistent with actual invoice calculations. Slight differences in totals due to rounding

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
DELIVERY MARGIN AND COMMODITY RELATED CHARGES CHANGES  
BCUC ORDERS G-48-19 G-XX-19  
**RATE SCHEDULE 3 - LARGE COMMERCIAL SERVICE**

TAB 6  
PAGE 3

Line No.	Particular	EXISTING RATES JULY 1, 2019					PROPOSED JANUARY 1, 2020 RATES					Annual Increase/Decrease		
		Quantity		Rate		Annual \$	Quantity		Rate		Annual \$	Rate	Annual \$	% of Previous Total Annual Bill
1	<b>FORT NELSON SERVICE AREA</b>													
2	<u>Delivery Margin Related Charges</u>													
3	Basic Charge per Day	365.25	days x	\$3.6845	=	\$1,345.76	365.25	days x	\$3.6845	=	\$1,345.76	\$0.0000	\$0.00	0.00%
4														
5	Delivery Charge per GJ	3,165.0	GJ x	\$3.492	=	11,052.1800	3,165.0	GJ x	\$3.839	=	12,150.4350	\$0.347	1,098.2550	6.67%
6	Rider 5 RSAM per GJ	3,165.0	GJ x	\$0.199	=	629.8350	3,165.0	GJ x	\$0.177	=	560.2050	(\$0.022 )	(69.6300)	-0.42%
7	Subtotal Delivery Margin Related Charges					<b>\$13,027.78</b>					<b>\$14,056.40</b>		<b>\$1,028.62</b>	<b>6.25%</b>
8														
9	<u>Commodity Related Charges</u>													
10	Storage and Transport Charge per GJ	3,165.0	GJ x	\$0.037	=	\$117.11	3,165.0	GJ x	\$0.042	=	\$132.93	\$0.005	\$15.82	0.10%
11														
12	Cost of Gas (Commodity Cost Recovery Charge) per GJ	3,165.0	GJ x	\$1.048	=	\$3,316.92	3,165.0	GJ x	\$1.048	=	\$3,316.92	\$0.000	\$0.00	0.00%
13	Subtotal Commodity Related Charges					<b>\$3,434.03</b>					<b>\$3,449.85</b>		<b>\$15.82</b>	<b>0.10%</b>
14														
15	Total (with effective \$/GJ rate)	<u>3,165.0</u>		<u>\$5.201</u>		<b>\$16,461.81</b>	<u>3,165.0</u>		<u>\$5.531</u>		<b>\$17,506.25</b>	<u>\$0.330</u>	<b>\$1,044.44</b>	<b>6.34%</b>

Notes: Tariff rate schedule per GJ charges are set at 3 decimals. Individual tariff components are calculated and shown to 4 decimals; subtotal amounts, equivalent to the line items on customer bills, are rounded and shown to 2 decimals, consistent with actual invoice calculations. Slight differences in totals due to rounding

FORTISBC ENERGY INC. - FORT NELSON SERVICE AREA  
DELIVERY MARGIN RELATED CHARGES CHANGES  
BCUC ORDER G-48-19

TAB 6  
PAGE 4

**RATE SCHEDULE 25 - GENERAL FIRM TRANSPORTATION SERVICE**

Line No.	Particular	EXISTING RATES JULY 1, 2019			PROPOSED JANUARY 1, 2020 RATES			Annual Increase/Decrease		
		Quantity	Rate	Annual \$	Quantity	Rate	Annual \$	Rate	Annual \$	% of Previous Total Annual Bill
1	<b>FORT NELSON SERVICE AREA</b>									
2	<u>Delivery Margin Related Charges</u>									
3	Basic Charge per Month	12 months x	\$600.00	= <b>\$7,200.00</b>	12 months x	\$600.00	= <b>\$7,200.00</b>	\$0.00	<b>\$0.00</b>	<b>0.00%</b>
4										
5	Administration Charge per Month	12 months x	\$39.00	= <b>\$468.00</b>	12 months x	\$39.00	= <b>\$468.00</b>	\$0.00	<b>\$0.00</b>	<b>0.00%</b>
6										
7	Demand Charge per Month per GJ	292.7 GJ x	\$31.785	= <b>\$111,641.63</b>	292.7 GJ x	\$34.654	= <b>\$121,718.71</b>	\$2.869	<b>\$10,077.08</b>	<b>5.88%</b>
8										
9	Delivery Charge per GJ	41,500.0 GJ x	\$1.053	= \$43,699.5000	41,500.0 GJ x	\$1.148	= \$47,642.0000	\$0.095	\$3,942.5000	2.30%
10	Rider 5 RSAM per GJ	41,500.0 GJ x	\$0.199	= 8,258.5000	41,500.0 GJ x	\$0.199	= 8,258.5000	\$0.000	0.0000	0.00%
11	Subtotal Delivery Margin Related Charges			<b>\$51,958.00</b>			<b>\$55,900.50</b>		<b>\$3,942.50</b>	<b>2.30%</b>
12										
13	Total (with effective \$/GJ rate)	41,500.0	\$4.127	<b>\$171,267.63</b>	41,500.0	\$4.465	<b>\$185,287.21</b>	\$0.338	<b>\$14,019.58</b>	<b>8.19%</b>

Notes: Tariff rate schedule per GJ charges are set at 3 decimals. Individual tariff components are calculated and shown to 4 decimals; subtotal amounts, equivalent to the line items on customer bills, are rounded and shown to 2 decimals, consistent with actual invoice calculations. Slight differences in totals due to rounding



**ORDER NUMBER**

**G-xx-xx**

IN THE MATTER OF  
the *Utilities Commission Act*, RSBC 1996, Chapter 473

and

FortisBC Energy Inc.  
Application regarding its 2019 Fourth Quarter Gas Cost Report  
And Rate Changes effective January 1, 2020  
For the Fort Nelson Service Area

**BEFORE:**

[Panel Chair]  
Commissioner  
Commissioner

on Date

**ORDER**

**WHEREAS:**

- A. On November 20, 2019, FortisBC Energy Inc. (FEI) filed its 2019 Fourth Quarter Report on the Gas Cost Reconciliation Account (GCRA), Commodity Cost Recovery Charge, Storage and Transport Charges and the Revenue Stabilization Adjustment Mechanism (RSAM) Deferral Account and Rate Rider 5 for the Fort Nelson Service Area (Fort Nelson) based on a five-day average November 5, 6, 7, 8, and 12, 2019 forward gas prices (the 2019 Fourth Quarter Report);
- B. The British Columbia Utilities Commission (BCUC) established guidelines for gas cost rate setting in Letter L-5-01 dated February 5, 2001, and further modified the guidelines in Letter L-40-11 dated May 19, 2011 (together the Guidelines);
- C. Pursuant to Order G-48-19 dated March 5, 2019, the BCUC approved the 2019 and 2020 Revenue Requirements and Rates Application for the Fort Nelson Service Area;
- D. By Order G-128-19, the BCUC established the current Gas Cost Recovery Charge for the Fort Nelson Service Area at \$1.048/GJ effective July 1, 2019;
- E. In the 2019 Fourth Quarter Report, using the five-day average forward prices ending November 12, 2019, the GCRA balance is projected to be \$169,600 surplus after tax at December 31, 2019. FEI calculates the GCRA recovery-to-cost ratio based on the previously approved January 1, 2020 commodity cost recovery rate would be 84.3 percent for the following 12 months. The tested rate increase related to the forecast over recovery of costs would be \$0.196/GJ which falls within the minimum rate change threshold set out in the Guidelines indicating that a rate change for the Commodity Cost Recovery Charge is not required effective January 1, 2020;

- F. In the 2019 Fourth Quarter Report, FEI requests approval to reset the Storage and Transport Charges to all sales rate classes, effective January 1, 2020, as set out in the schedule Tab 1, Page 8;
- G. FEI also requests approval to set RSAM Rate Rider 5 for RS 1, RS 2, and RS 3 from \$0.199/GJ to \$0.177/GJ effective January 1, 2020.
- H. FEI requests approval for RSAM Rate Rider 5 for RS 5 and RS 25 to remain unchanged at \$0.199/GJ effective January 1, 2020.
- I. The combined effects of the approved January 1, 2020 delivery rates, the proposed Storage and Transport Charges, and the proposed RSAM Rate Rider 5 as requested in the 2019 Fourth Quarter Report would increase the total annual bill for a typical Fort Nelson residential customer with an average annual consumption of 125 gigajoules by approximately \$49 or 6.4 percent; and
- J. The BCUC reviewed the 2019 Fourth Quarter Report and considers that the requested rate changes are warranted, and that Tab 3 of the 2019 Fourth Quarter Report should be held confidential as requested by FEI, as it contains market sensitive information.

**NOW THEREFORE** pursuant to section 61(4) of the *Utilities Commission Act*, the British Columbia Utilities Commission orders as follows:

1. The Commodity Cost Recovery Charge applicable to the Sales Rate Classes in Fort Nelson Service Area remains unchanged at \$1.048/GJ effective January 1, 2020.
2. The Storage and Transport Charges applicable to the Sales Rate Classes in Fort Nelson Service Area, as set out in Tab 1, Page 8 effective January 1, 2020.
3. The RSAM Rate Rider 5 applicable to RS 1, 2, and 3 in the Fort Nelson Service Area to decrease from \$0.199/GJ to \$0.177/GJ effective January 1, 2020.
4. The RSAM Rate Rider 5 applicable to RS 5 and RS 25 in Fort Nelson Service Area to remain unchanged at \$0.199/GJ effective January 1, 2020.
5. FEI will notify all customers that are affected by the rate changes with a bill insert or bill message to be included with the next monthly gas billing.
6. The information in Tab 3 of the 2019 Fourth Quarter Report will be held confidential as requested by FEI as it contains market sensitive information.

**DATED** at the City of Vancouver, in the Province of British Columbia, this (XX) day of (Month) 2019.

BY ORDER

(X. X. last name)  
Commissioner