

# Rider C Calculation For Calendar Quarter Q4 2021 Applicable to Rates DTS, FTS and PSC



The AESO calculates Rider C charges and credits in accordance with Rider C of the ISO tariff, *Deferral Account Adjustment Rider*, as published on the AESO website. Rider C was most recently approved in Decision 25175-D01-2020 issued by the Alberta Utilities Commission on February 28, 2020.

Table 1 below provides a summary of Rider C charges and credits for each calendar quarter of 2021 calculated to date. Table 3 on the next page provides the detailed calculations for each calendar quarter by rate component. Detailed calculations for earlier calendar quarters are provided in previous Rider C calculations published on the AESO website.

**Table 1 – Summary of Rider C Charges and Credits (%)**

Rate Component	Rider C Charge (Credit) (%)			
	Q1 2021	Q2 2021	Q3 2021	Q4 2021
Connection charge and primary service credit	0.00%	(18.16%)	(19.18%)	(25.59%)
Operating reserve charge	1.66%	1.13%	0.42%	(2.00%)
Transmission constraint rebalancing charge	0.00%	0.00%	0.00%	0.00%
Voltage control charge	(31.53%)	(32.10%)	340.32%	528.28%
Other system support services charge	(20.48%)	(21.58%)	(20.35%)	(19.22%)

Table 2 below lists the cost and revenue amounts included in each rate component in the Rider C calculation. These items reflect the AESO revenue requirement as filed and approved in the ISO tariff application expected to be effective for the calendar quarter. The Rider C calculation for Q4 2021 reflects Decision 25175-D01-2020 issued by the Alberta Utilities Commission on February 28, 2020.

**Table 2 – Cost and Revenue Amounts Included in Rider C Calculation**

Rate Component	Cost Amounts	Revenue Amounts
Connection charge and primary service credit	TFO wires-related costs (including isolated generation)	Rate DTS charge
	Non-wires costs (IBOC and LBC SO)	Rate FTS charge
	Other industry costs	Rate PSC credit
	General and administrative costs	
	Tariff revenue offsets	
Operating reserve charge	Operating reserves	Rate DTS charge
	Black start	Rate FTS charge
	Load shed service for imports (LSSi)	
Transmission constraint rebalancing charge	Transmission constraint rebalancing (TCR)	Rate DTS charge
		Rate FTS charge
Voltage control charge	Transmission must-run (TMR)	Rate DTS charge
		Rate FTS charge
Other system support services charge	Reliability services from BC	Rate DTS charge
	Poplar Hill	Rate FTS charge

In accordance with the deferral account reconciliation methodology approved by the Alberta Utilities Commission, all cost and revenue transactions are reported by production period.

All prior-period amounts which were settled before or accrued as of December 31, 2020 are excluded from the Q4 2021 Rider C calculation. Those prior-period amounts will be included in the deferral account reconciliation application the AESO files for the prior period.

**Table 3 – Calculation Detail for Rider C Charges (Credits)**

Production Period	Basis for Values	Revenues Collected (\$ 000 000)	Costs Paid (\$ 000 000)	Variance (\$ 000 000)	Rider C Collected (\$ 000 000)	Monthly Variance (\$ 000 000)	Rider C Amount (%)
<b>Connection Charge and Primary Service Credit</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	179.2	(163.7)	15.6	–	15.6	<i>Monthly Variance Total</i>
Feb 2021	Actual	180.4	(161.1)	19.3	0.0	19.3	
Mar 2021	Actual	169.0	(162.9)	6.2	–	6.2	
Apr 2021	Actual	163.4	(137.9)	25.5	(29.5)	(4.0)	<i>\$136.1 Surplus</i>
May 2021	Actual	163.4	(137.8)	25.6	(29.7)	(4.1)	
Jun 2021	Actual	186.1	(137.2)	48.8	(33.8)	15.0	<i>Remaining Revenue Oct-Dec</i>
Jul 2021	Actual	180.6	(137.6)	43.0	(34.6)	8.4	
Aug 2021	Estimate	178.5	(146.9)	31.6	(34.2)	(2.6)	<i>\$532.0</i>
Sep 2021	Estimate	170.8	(146.9)	23.9	(32.8)	(8.9)	
Oct 2021	Estimate	172.7	(146.8)	25.8	–	25.8	<i>Rider C Charge (25.59%)</i>
Nov 2021	Estimate	177.0	(146.9)	30.1	–	30.1	
Dec 2021	Estimate	182.3	(146.9)	35.4	–	35.4	
<b>Component Totals</b>		<b>2,103.4</b>	<b>(1,772.6)</b>	<b>330.8</b>	<b>(194.6)</b>	<b>136.1</b>	
<b>Operating Reserve Charge</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	29.5	(29.7)	(0.2)	0.5	0.2	<i>Monthly Variance Total</i>
Feb 2021	Actual	60.5	(60.8)	(0.3)	1.0	0.7	
Mar 2021	Actual	23.3	(23.6)	(0.3)	0.4	0.1	
Apr 2021	Actual	22.7	(23.0)	(0.3)	0.3	0.0	<i>\$1.0 Surplus</i>
May 2021	Actual	28.6	(28.8)	(0.2)	0.3	0.2	
Jun 2021	Actual	47.4	(47.1)	0.3	0.5	0.8	<i>Remaining Revenue Oct-Dec</i>
Jul 2021	Actual	36.5	(36.8)	(0.2)	0.2	(0.1)	
Aug 2021	Estimate	39.3	(39.5)	(0.3)	0.2	(0.1)	<i>\$48.4</i>
Sep 2021	Estimate	20.6	(20.9)	(0.3)	0.1	(0.2)	
Oct 2021	Estimate	14.6	(14.8)	(0.3)	–	(0.3)	<i>Rider C Credit (2.00%)</i>
Nov 2021	Estimate	20.1	(20.4)	(0.3)	–	(0.3)	
Dec 2021	Estimate	13.7	(14.0)	(0.3)	–	(0.3)	
<b>Component Totals</b>		<b>356.9</b>	<b>(359.3)</b>	<b>(2.4)</b>	<b>3.4</b>	<b>1.0</b>	
<b>Transmission Constraint Rebalancing Charge</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	0.3	(0.3)	(0.0)	–	(0.0)	<i>Monthly Variance Total</i>
Feb 2021	Actual	0.7	(0.7)	(0.0)	–	(0.0)	
Mar 2021	Actual	0.0	(0.0)	(0.0)	–	(0.0)	
Apr 2021	Actual	–	–	–	–	–	<i>(\$0.0) Shortfall</i>
May 2021	Actual	0.1	(0.1)	0.0	–	0.0	
Jun 2021	Actual	0.1	(0.1)	(0.0)	–	(0.0)	<i>Remaining Revenue Oct-Dec</i>
Jul 2021	Actual	0.0	(0.0)	(0.0)	–	(0.0)	
Aug 2021	Estimate	0.0	(0.0)	–	–	–	<i>\$0.0</i>
Sep 2021	Estimate	0.0	(0.0)	–	–	–	
Oct 2021	Estimate	0.0	(0.0)	–	–	–	<i>Rider C Charge 0.00%</i>
Nov 2021	Estimate	0.0	(0.0)	–	–	–	
Dec 2021	Estimate	0.0	(0.0)	–	–	–	
<b>Component Totals</b>		<b>1.3</b>	<b>(1.3)</b>	<b>(0.0)</b>	<b>–</b>	<b>(0.0)</b>	

**Table 3 – Calculation Detail for Rider C Charges (Credits)**

Production Period	Basis for Values	Revenues Collected (\$ 000 000)	Costs Paid (\$ 000 000)	Variance (\$ 000 000)	Rider C Collected (\$ 000 000)	Monthly Variance (\$ 000 000)	Rider C Amount (%)
<b>Voltage Control Charge</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	0.1	–	0.1	(0.0)	0.0	Monthly Variance Total (\$0.8) Shortfall
Feb 2021	Actual	0.0	–	0.0	(0.0)	0.0	
Mar 2021	Actual	0.0	–	0.0	(0.0)	0.0	
Apr 2021	Actual	0.0	–	0.0	(0.0)	0.0	
May 2021	Actual	0.0	–	0.0	(0.0)	0.0	
Jun 2021	Actual	0.0	–	0.0	(0.0)	0.0	
Jul 2021	Actual	0.1	–	0.1	0.2	0.2	Remaining Revenue Oct-Dec \$0.2
Aug 2021	Estimate	0.0	(0.4)	(0.3)	0.2	(0.1)	
Sep 2021	Estimate	0.0	(0.4)	(0.3)	0.2	(0.2)	Rider C Charge 528.28%
Oct 2021	Estimate	0.0	(0.4)	(0.3)	–	(0.3)	
Nov 2021	Estimate	0.1	(0.4)	(0.3)	–	(0.3)	
Dec 2021	Estimate	0.1	(0.4)	(0.3)	–	(0.3)	
Component Totals		0.6	(1.8)	(1.2)	0.4	(0.8)	
<b>Other System Support Services Charge</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	0.3	(0.2)	0.1	(0.1)	(0.0)	Monthly Variance Total \$0.2 Surplus
Feb 2021	Actual	0.3	(0.2)	0.1	(0.1)	0.0	
Mar 2021	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
Apr 2021	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
May 2021	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
Jun 2021	Actual	0.3	(0.2)	0.1	(0.1)	0.0	
Jul 2021	Actual	0.3	(0.2)	0.1	(0.1)	0.0	Remaining Revenue Oct-Dec \$0.9
Aug 2021	Estimate	0.3	(0.2)	0.1	(0.1)	0.0	
Sep 2021	Estimate	0.3	(0.2)	0.1	(0.1)	(0.0)	Rider C Credit (19.22%)
Oct 2021	Estimate	0.3	(0.2)	0.1	–	0.1	
Nov 2021	Estimate	0.3	(0.2)	0.1	–	0.1	
Dec 2021	Estimate	0.3	(0.2)	0.1	–	0.1	
Component Totals		3.6	(2.9)	0.7	(0.6)	0.2	
<b>Summary for All Components</b>							
Pre-2021	Actual	–	–	–	–	–	
Jan 2021	Actual	209.4	(193.9)	15.4	0.4	15.8	
Feb 2021	Actual	242.0	(222.9)	19.1	0.9	20.1	
Mar 2021	Actual	192.7	(186.7)	6.0	0.3	6.3	
Apr 2021	Actual	186.4	(161.1)	25.4	(29.4)	(4.0)	
May 2021	Actual	192.5	(167.0)	25.5	(29.4)	(3.9)	
Jun 2021	Actual	233.8	(184.6)	49.2	(33.3)	15.9	
Jul 2021	Actual	217.4	(174.6)	42.9	(34.4)	8.5	
Aug 2021	Estimate	218.1	(187.0)	31.1	(34.0)	(2.9)	
Sep 2021	Estimate	191.8	(168.4)	23.4	(32.6)	(9.2)	
Oct 2021	Estimate	187.6	(162.3)	25.3	–	25.3	
Nov 2021	Estimate	197.5	(167.9)	29.6	–	29.6	
Dec 2021	Estimate	196.4	(161.5)	34.9	–	34.9	
Summary Totals		2,465.7	(2,137.9)	327.8	(191.4)	136.4	

Distribution system owners have requested the AESO provide the following information:  
 Total Rate DTS metered energy for Q4 2021: 15,472.6 GWh