

# Rider C Calculation For Calendar Quarter Q4 2020 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 22942-D02-2019 issued by the Alberta Utilities Commission on September 22, 2019.

Table 1 below provides a summary of Rider C charges and credits for each calendar quarter of 2020 calculated to date. Table 3 on the next page provides the detailed calculations for the latest 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 2020	Q2 2020	Q3 2020	Q4 2020
Connection charge and primary service credit	5.57%	0.31%	3.08%	7.04%
Operating reserve charge	0.83%	1.56%	1.93%	2.76%
Transmission constraint rebalancing charge	0.00%	0.01%	0.01%	0.01%
Voltage control charge	(12.13%)	(3.55%)	12.27%	68.33%
Other system support services charge	(43.09%)	(20.39%)	(11.68%)	(13.36%)

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 2020 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, 2019 are excluded from the Q4 2020 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-2020	Actual	(1.1)	(1.0)	(2.0)	–	(2.0)	
Jan 2020	Actual	162.3	(168.9)	(6.6)	9.0	2.4	Monthly Variance
Feb 2020	Actual	154.9	(167.9)	(13.0)	8.6	(4.4)	
Mar 2020	Actual	152.3	(168.2)	(15.9)	8.5	(7.5)	Total
Apr 2020	Actual	161.1	(168.3)	(7.2)	0.5	(6.7)	(\$35.3)
May 2020	Actual	154.1	(167.9)	(13.8)	0.5	(13.3)	Shortfall
Jun 2020	Actual	159.7	(168.1)	(8.4)	0.5	(7.9)	Remaining Revenue
Jul 2020	Actual	168.0	(169.5)	(1.4)	5.2	3.7	
Aug 2020	Estimate	166.4	(168.4)	(2.0)	5.1	3.1	Oct-Dec
Sep 2020	Estimate	160.4	(168.4)	(8.0)	4.9	(3.1)	\$501.4
Oct 2020	Estimate	163.8	(167.8)	(4.0)	–	(4.0)	Rider C Charge
Nov 2020	Estimate	167.5	(167.2)	0.3	–	0.3	
Dec 2020	Estimate	170.1	(166.1)	4.0	–	4.0	7.04%
Component Totals		1,939.4	(2,017.6)	(78.2)	42.9	(35.3)	
<b>Operating Reserve Charge</b>							
Pre-2020	Actual	(0.3)	1.2	0.9	–	0.9	
Jan 2020	Actual	58.6	(59.8)	(1.2)	0.5	(0.7)	Monthly Variance
Feb 2020	Actual	7.3	(7.5)	(0.2)	0.1	(0.2)	
Mar 2020	Actual	10.5	(11.0)	(0.5)	0.1	(0.4)	Total
Apr 2020	Actual	5.8	(6.0)	(0.2)	0.1	(0.2)	(\$1.3)
May 2020	Actual	9.2	(9.5)	(0.3)	0.1	(0.1)	Shortfall
Jun 2020	Actual	11.9	(11.9)	(0.0)	0.2	0.1	Remaining Revenue
Jul 2020	Actual	20.4	(20.6)	(0.3)	0.4	0.1	
Aug 2020	Estimate	8.2	(8.4)	(0.3)	0.2	(0.1)	Oct-Dec
Sep 2020	Estimate	7.8	(8.1)	(0.3)	0.2	(0.1)	\$48.2
Oct 2020	Estimate	9.2	(9.5)	(0.3)	–	(0.3)	Rider C Charge
Nov 2020	Estimate	16.3	(16.6)	(0.3)	–	(0.3)	
Dec 2020	Estimate	22.7	(22.9)	(0.3)	–	(0.3)	2.76%
Component Totals		187.5	(190.6)	(3.1)	1.8	(1.3)	
<b>Transmission Constraint Rebalancing Charge</b>							
Pre-2020	Actual	(0.0)	–	(0.0)	–	(0.0)	
Jan 2020	Actual	–	–	–	–	–	Monthly Variance
Feb 2020	Actual	0.0	(0.0)	(0.0)	–	(0.0)	
Mar 2020	Actual	0.0	(0.0)	0.0	–	0.0	Total
Apr 2020	Actual	–	–	–	–	–	(\$0.0)
May 2020	Actual	0.0	(0.0)	(0.0)	0.0	(0.0)	Shortfall
Jun 2020	Actual	0.0	(0.0)	0.0	0.0	0.0	Remaining Revenue
Jul 2020	Actual	0.0	(0.0)	(0.0)	–	(0.0)	
Aug 2020	Estimate	0.0	(0.0)	–	0.0	0.0	Oct-Dec
Sep 2020	Estimate	0.0	(0.0)	–	0.0	0.0	\$0.0
Oct 2020	Estimate	0.0	(0.0)	–	–	–	Rider C Charge
Nov 2020	Estimate	0.0	(0.0)	–	–	–	
Dec 2020	Estimate	0.0	(0.0)	–	–	–	0.01%
Component Totals		0.1	(0.1)	(0.0)	0.0	(0.0)	

**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-2020	Actual	0.0	–	0.0	–	0.0	
Jan 2020	Actual	0.3	(0.3)	0.0	(0.0)	(0.0)	Monthly Variance Total (\$0.5) Shortfall
Feb 2020	Actual	0.2	(0.3)	(0.0)	(0.0)	(0.1)	
Mar 2020	Actual	0.3	(0.2)	0.0	(0.0)	(0.0)	
Apr 2020	Actual	0.2	(0.3)	(0.1)	(0.0)	(0.1)	
May 2020	Actual	0.2	(0.4)	(0.2)	(0.0)	(0.2)	
Jun 2020	Actual	0.2	(0.3)	(0.1)	(0.0)	(0.1)	
Jul 2020	Actual	0.2	(0.4)	(0.1)	0.0	(0.1)	
Aug 2020	Estimate	0.2	(0.2)	0.0	0.0	0.0	Remaining Revenue Oct-Dec \$0.7
Sep 2020	Estimate	0.2	(0.2)	(0.0)	0.0	0.0	
Oct 2020	Estimate	0.2	(0.2)	0.0	–	0.0	Rider C Charge 68.33%
Nov 2020	Estimate	0.2	(0.2)	0.0	–	0.0	
Dec 2020	Estimate	0.3	(0.2)	0.0	–	0.0	
Component Totals		2.9	(3.4)	(0.5)	(0.0)	(0.5)	
<b>Other System Support Services Charge</b>							
Pre-2020	Actual	(0.0)	–	(0.0)	–	(0.0)	
Jan 2020	Actual	0.4	(0.2)	0.2	(0.2)	0.0	Monthly Variance Total \$0.1 Surplus
Feb 2020	Actual	0.4	(0.2)	0.2	(0.2)	(0.0)	
Mar 2020	Actual	0.4	(0.2)	0.2	(0.2)	(0.0)	
Apr 2020	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
May 2020	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
Jun 2020	Actual	0.3	(0.2)	0.0	(0.1)	(0.0)	
Jul 2020	Actual	0.3	(0.2)	0.1	(0.0)	0.0	
Aug 2020	Estimate	0.3	(0.2)	0.1	(0.0)	0.0	Remaining Revenue Oct-Dec \$0.8
Sep 2020	Estimate	0.3	(0.2)	0.0	(0.0)	(0.0)	
Oct 2020	Estimate	0.3	(0.2)	0.0	–	0.0	Rider C Credit (13.36%)
Nov 2020	Estimate	0.3	(0.2)	0.1	–	0.1	
Dec 2020	Estimate	0.3	(0.2)	0.0	–	0.0	
Component Totals		3.8	(2.9)	0.9	(0.8)	0.1	
<b>Summary for All Components</b>							
Pre-2020	Actual	(1.4)	0.2	(1.1)	–	(1.1)	
Jan 2020	Actual	221.6	(229.2)	(7.6)	9.3	1.7	
Feb 2020	Actual	162.8	(176.0)	(13.1)	8.5	(4.7)	
Mar 2020	Actual	163.4	(179.6)	(16.2)	8.3	(7.9)	
Apr 2020	Actual	167.3	(174.9)	(7.5)	0.5	(7.0)	
May 2020	Actual	163.9	(178.1)	(14.2)	0.6	(13.6)	
Jun 2020	Actual	172.1	(180.6)	(8.5)	0.6	(7.8)	
Jul 2020	Actual	188.9	(190.7)	(1.8)	5.6	3.8	
Aug 2020	Estimate	175.1	(177.3)	(2.2)	5.3	3.0	
Sep 2020	Estimate	168.7	(177.0)	(8.3)	5.1	(3.2)	
Oct 2020	Estimate	173.5	(177.8)	(4.2)	–	(4.2)	
Nov 2020	Estimate	184.4	(184.2)	0.2	–	0.2	
Dec 2020	Estimate	193.3	(189.4)	3.8	–	3.8	
Summary Totals		2,133.7	(2,214.5)	(80.8)	43.8	(37.0)	

Distribution system owners have requested the AESO provide the following information:  
 Total Rate DTS metered energy for Q4 2020: 14,993.3 GWh