

# Rider C Calculation For Calendar Quarter Q4 2019 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-D01-2017 issued by the Alberta Utilities Commission on November 28, 2017.

Table 1 below provides a summary of Rider C charges and credits for each calendar quarter of 2019 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 2019	Q2 2019	Q3 2019	Q4 2019
Connection charge and primary service credit	0.01%	3.89%	8.78%	9.99%
Operating reserve charge	1.04%	1.20%	1.19%	1.33%
Transmission constraint rebalancing charge	0.00%	0.00%	0.00%	0.00%
Voltage control charge	9.94%	12.83%	4.87%	36.60%
Other system support services charge	(10.61%)	(7.20%)	(36.56%)	(39.21%)

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 2019 reflects Decision 24036-D01-2018 issued by the Alberta Utilities Commission on December 18, 2018.

**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, 2018 are excluded from the Q4 2019 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-2019	Actual	(2.6)	(3.3)	(5.9)	–	(5.9)	
Jan 2019	Actual	158.0	(156.2)	1.8	0.0	1.8	Monthly Variance
Feb 2019	Actual	160.9	(153.5)	7.4	0.0	7.4	
Mar 2019	Actual	155.2	(157.3)	(2.1)	0.0	(2.1)	Total (\$45.9)
Apr 2019	Actual	143.8	(163.9)	(20.1)	5.6	(14.6)	
May 2019	Actual	148.8	(165.9)	(17.1)	5.8	(11.3)	Shortfall
Jun 2019	Actual	149.9	(165.1)	(15.1)	5.8	(9.3)	
Jul 2019	Actual	154.7	(165.0)	(10.2)	13.6	3.4	Remaining Revenue Oct-Dec
Aug 2019	Estimate	159.0	(160.4)	(1.4)	14.0	12.6	
Sep 2019	Estimate	146.3	(160.7)	(14.3)	12.8	(1.5)	\$458.9
Oct 2019	Estimate	149.2	(161.1)	(11.9)	–	(11.9)	
Nov 2019	Estimate	155.4	(161.6)	(6.1)	–	(6.1)	Rider C Charge
Dec 2019	Estimate	154.3	(162.7)	(8.5)	–	(8.5)	
Component Totals		1,833.1	(1,936.7)	(103.5)	57.7	(45.9)	9.99%
<b>Operating Reserve Charge</b>							
Pre-2019	Actual	(0.4)	0.2	(0.2)	–	(0.2)	
Jan 2019	Actual	6.8	(7.1)	(0.2)	0.1	(0.2)	Monthly Variance
Feb 2019	Actual	37.4	(37.7)	(0.3)	0.4	0.1	
Mar 2019	Actual	16.8	(17.0)	(0.2)	0.2	(0.1)	Total (\$0.6)
Apr 2019	Actual	10.9	(11.1)	(0.2)	0.1	(0.1)	
May 2019	Actual	36.2	(36.4)	(0.3)	0.4	0.2	Shortfall
Jun 2019	Actual	21.7	(21.4)	0.3	0.3	0.6	
Jul 2019	Actual	11.2	(11.4)	(0.2)	0.1	(0.1)	Remaining Revenue Oct-Dec
Aug 2019	Estimate	27.5	(27.7)	(0.2)	0.3	0.1	
Sep 2019	Estimate	11.0	(11.2)	(0.2)	0.1	(0.1)	\$46.3
Oct 2019	Estimate	17.4	(17.7)	(0.2)	–	(0.2)	
Nov 2019	Estimate	12.2	(12.5)	(0.2)	–	(0.2)	Rider C Charge
Dec 2019	Estimate	16.7	(16.9)	(0.2)	–	(0.2)	
Component Totals		225.3	(227.9)	(2.7)	2.0	(0.6)	1.33%
<b>Transmission Constraint Rebalancing Charge</b>							
Pre-2019	Actual	(0.0)	–	(0.0)	–	(0.0)	
Jan 2019	Actual	–	–	–	–	–	Monthly Variance
Feb 2019	Actual	0.1	(0.1)	0.0	–	0.0	
Mar 2019	Actual	0.2	(0.2)	(0.0)	–	(0.0)	Total (\$0.0)
Apr 2019	Actual	–	–	–	–	–	
May 2019	Actual	0.0	(0.0)	0.0	–	0.0	Shortfall
Jun 2019	Actual	–	–	–	–	–	
Jul 2019	Actual	–	–	–	–	–	Remaining Revenue Oct-Dec
Aug 2019	Estimate	0.0	(0.0)	–	–	–	
Sep 2019	Estimate	0.0	(0.0)	–	–	–	\$0.0
Oct 2019	Estimate	0.0	(0.0)	–	–	–	
Nov 2019	Estimate	0.0	(0.0)	–	–	–	Rider C Charge
Dec 2019	Estimate	0.0	(0.0)	–	–	–	
Component Totals		0.3	(0.3)	(0.0)	–	(0.0)	0.00%

**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-2019	Actual	(0.0)	(0.1)	(0.1)	–	(0.1)	
Jan 2019	Actual	0.3	(0.2)	0.0	0.0	0.1	Monthly Variance Total (\$0.3) Shortfall Remaining Revenue Oct-Dec \$0.8 Rider C Charge 36.60%
Feb 2019	Actual	0.3	(0.3)	(0.0)	0.0	0.0	
Mar 2019	Actual	0.3	(0.3)	(0.0)	0.0	0.0	
Apr 2019	Actual	0.2	(0.2)	0.1	0.0	0.1	
May 2019	Actual	0.2	(0.3)	(0.0)	0.0	(0.0)	
Jun 2019	Actual	0.2	(0.3)	(0.1)	0.0	(0.0)	
Jul 2019	Actual	0.2	(0.5)	(0.2)	0.0	(0.2)	
Aug 2019	Estimate	0.3	(0.3)	(0.0)	0.0	(0.0)	
Sep 2019	Estimate	0.2	(0.3)	(0.0)	0.0	(0.0)	
Oct 2019	Estimate	0.3	(0.3)	(0.0)	–	(0.0)	
Nov 2019	Estimate	0.3	(0.3)	(0.0)	–	(0.0)	
Dec 2019	Estimate	0.3	(0.3)	(0.0)	–	(0.0)	
Component Totals		3.0	(3.5)	(0.5)	0.2	(0.3)	
<b>Other System Support Services Charge</b>							
Pre-2019	Actual	(0.0)	–	(0.0)	–	(0.0)	
Jan 2019	Actual	0.4	(0.4)	0.0	(0.0)	0.0	Monthly Variance Total \$0.5 Surplus Remaining Revenue Oct-Dec \$1.2 Rider C Credit (39.21%)
Feb 2019	Actual	0.4	(0.4)	0.1	(0.0)	0.0	
Mar 2019	Actual	0.4	(0.4)	0.1	(0.0)	0.0	
Apr 2019	Actual	0.4	(0.4)	0.0	(0.0)	0.0	
May 2019	Actual	0.4	(0.4)	0.0	(0.0)	0.0	
Jun 2019	Actual	0.4	(0.4)	0.1	(0.0)	0.0	
Jul 2019	Actual	0.4	(0.4)	0.0	(0.1)	(0.1)	
Aug 2019	Estimate	0.4	(0.2)	0.2	(0.2)	0.0	
Sep 2019	Estimate	0.4	(0.2)	0.2	(0.1)	0.0	
Oct 2019	Estimate	0.4	(0.2)	0.2	–	0.2	
Nov 2019	Estimate	0.4	(0.2)	0.2	–	0.2	
Dec 2019	Estimate	0.4	(0.2)	0.1	–	0.1	
Component Totals		4.9	(3.7)	1.1	(0.7)	0.5	
<b>Summary for All Components</b>							
Pre-2019	Actual	(2.9)	(3.3)	(6.2)	–	(6.2)	
Jan 2019	Actual	165.5	(163.9)	1.6	0.1	1.7	
Feb 2019	Actual	199.1	(192.0)	7.1	0.4	7.5	
Mar 2019	Actual	172.8	(175.1)	(2.3)	0.2	(2.1)	
Apr 2019	Actual	155.2	(175.5)	(20.3)	5.7	(14.6)	
May 2019	Actual	185.7	(203.0)	(17.3)	6.2	(11.1)	
Jun 2019	Actual	172.3	(187.1)	(14.8)	6.1	(8.7)	
Jul 2019	Actual	166.6	(177.2)	(10.7)	13.6	3.0	
Aug 2019	Estimate	187.2	(188.7)	(1.5)	14.1	12.7	
Sep 2019	Estimate	158.0	(172.4)	(14.5)	12.8	(1.6)	
Oct 2019	Estimate	167.3	(179.3)	(12.0)	–	(12.0)	
Nov 2019	Estimate	168.3	(174.6)	(6.3)	–	(6.3)	
Dec 2019	Estimate	171.6	(180.2)	(8.6)	–	(8.6)	
Summary Totals		2,066.6	(2,172.2)	(105.6)	59.3	(46.3)	

Distribution system owners have requested the AESO provide the following information:  
 Total Rate DTS metered energy for Q4 2019: 15,930.5 GWh