

# Rider C Calculation For Calendar Quarter Q4 2018 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 2018 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 2018	Q2 2018	Q3 2018	Q4 2018
Connection charge and primary service credit	(0.21%)	1.07%	0.77%	(0.96%)
Operating reserve charge	2.43%	1.19%	0.59%	0.16%
Transmission constraint rebalancing charge	0.00%	0.00%	0.00%	0.00%
Voltage control charge	(4.53%)	(6.74%)	(23.10%)	(69.35%)
Other system support services charge	(6.75%)	(6.74%)	(8.87%)	(14.27%)

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 2018 reflects Decision 23065-D01-2017 issued by the Alberta Utilities Commission on November 28, 2017.

**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, 2017 are excluded from the Q4 2018 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-2018	Actual	(3.3)	0.2	(3.1)	–	(3.1)	
Jan 2018	Actual	157.5	(151.1)	6.4	(0.3)	6.1	Monthly Variance
Feb 2018	Actual	153.0	(150.6)	2.4	(0.3)	2.1	
Mar 2018	Actual	148.4	(151.7)	(3.3)	(0.3)	(3.6)	Total
Apr 2018	Actual	144.2	(151.5)	(7.4)	1.5	(5.8)	\$4.4
May 2018	Actual	146.9	(151.1)	(4.2)	1.6	(2.6)	Surplus
Jun 2018	Actual	148.1	(151.7)	(3.5)	1.6	(1.9)	Remaining Revenue Oct-Dec
Jul 2018	Actual	153.3	(151.4)	2.0	1.2	3.1	
Aug 2018	Estimate	150.1	(149.2)	0.9	1.2	2.1	\$457.0
Sep 2018	Estimate	150.7	(149.4)	1.3	1.2	2.5	Rider C Credit
Oct 2018	Estimate	145.0	(150.5)	(5.4)	–	(5.4)	
Nov 2018	Estimate	154.5	(150.6)	3.9	–	3.9	(0.96%)
Dec 2018	Estimate	157.5	(150.4)	7.1	–	7.1	
Component Totals		1,806.0	(1,808.9)	(2.8)	7.2	4.4	
<b>Operating Reserve Charge</b>							
Pre-2018	Actual	(0.1)	0.0	(0.0)	–	(0.0)	
Jan 2018	Actual	14.9	(15.2)	(0.3)	0.4	0.1	Monthly Variance
Feb 2018	Actual	13.3	(13.6)	(0.2)	0.3	0.1	
Mar 2018	Actual	9.7	(10.0)	(0.2)	0.2	(0.0)	Total
Apr 2018	Actual	24.3	(24.6)	(0.3)	0.3	0.0	(\$0.1)
May 2018	Actual	58.3	(58.6)	(0.3)	0.7	0.4	Shortfall
Jun 2018	Actual	38.6	(38.7)	(0.0)	0.5	0.4	Remaining Revenue Oct-Dec
Jul 2018	Actual	20.3	(20.5)	(0.3)	0.1	(0.1)	
Aug 2018	Estimate	22.7	(22.9)	(0.2)	0.1	(0.1)	\$59.8
Sep 2018	Estimate	21.9	(22.1)	(0.2)	0.1	(0.1)	Rider C Charge
Oct 2018	Estimate	16.5	(16.7)	(0.2)	–	(0.2)	
Nov 2018	Estimate	15.0	(15.2)	(0.2)	–	(0.2)	0.16%
Dec 2018	Estimate	28.3	(28.5)	(0.2)	–	(0.2)	
Component Totals		283.7	(286.6)	(2.8)	2.7	(0.1)	
<b>Transmission Constraint Rebalancing Charge</b>							
Pre-2018	Actual	0.0	–	0.0	–	0.0	
Jan 2018	Actual	–	–	–	–	–	Monthly Variance
Feb 2018	Actual	–	–	–	–	–	
Mar 2018	Actual	–	–	–	–	–	Total
Apr 2018	Actual	–	–	–	–	–	\$0.0
May 2018	Actual	–	–	–	–	–	Surplus
Jun 2018	Actual	0.0	(0.0)	0.0	–	0.0	Remaining Revenue Oct-Dec
Jul 2018	Actual	0.0	(0.0)	(0.0)	–	(0.0)	
Aug 2018	Estimate	0.0	(0.0)	–	–	–	\$0.0
Sep 2018	Estimate	0.0	(0.0)	–	–	–	Rider C Charge
Oct 2018	Estimate	0.0	(0.0)	–	–	–	
Nov 2018	Estimate	0.0	(0.0)	–	–	–	0.00%
Dec 2018	Estimate	0.0	(0.0)	–	–	–	
Component Totals		0.1	(0.1)	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-2018	Actual	0.0	–	0.0	–	0.0	
Jan 2018	Actual	0.5	(0.3)	0.2	(0.0)	0.2	Monthly Variance Total \$1.0 Surplus
Feb 2018	Actual	0.5	(0.4)	0.1	(0.0)	0.1	
Mar 2018	Actual	0.5	(0.3)	0.2	(0.0)	0.2	
Apr 2018	Actual	0.4	(0.3)	0.2	(0.0)	0.2	
May 2018	Actual	0.4	(0.2)	0.2	(0.0)	0.2	
Jun 2018	Actual	0.4	(0.2)	0.2	(0.0)	0.2	
Jul 2018	Actual	0.5	(0.3)	0.2	(0.1)	0.1	
Aug 2018	Estimate	0.5	(0.4)	0.0	(0.1)	(0.1)	Remaining Revenue Oct-Dec \$1.4
Sep 2018	Estimate	0.4	(0.4)	(0.0)	(0.1)	(0.1)	
Oct 2018	Estimate	0.5	(0.4)	0.0	–	0.0	Rider C Credit (69.35%)
Nov 2018	Estimate	0.5	(0.5)	0.0	–	0.0	
Dec 2018	Estimate	0.5	(0.4)	0.1	–	0.1	
Component Totals		5.5	(4.1)	1.5	(0.5)	1.0	
<b>Other System Support Services Charge</b>							
Pre-2018	Actual	(0.0)	–	(0.0)	–	(0.0)	
Jan 2018	Actual	0.5	(0.5)	0.1	(0.0)	0.0	Monthly Variance Total \$0.2 Surplus
Feb 2018	Actual	0.5	(0.5)	0.1	(0.0)	0.0	
Mar 2018	Actual	0.5	(0.5)	0.0	(0.0)	(0.0)	
Apr 2018	Actual	0.5	(0.5)	0.0	(0.0)	(0.0)	
May 2018	Actual	0.5	(0.5)	0.0	(0.0)	(0.0)	
Jun 2018	Actual	0.5	(0.5)	0.1	(0.0)	0.0	
Jul 2018	Actual	0.5	(0.5)	0.1	(0.0)	0.0	
Aug 2018	Estimate	0.5	(0.5)	0.0	(0.0)	(0.0)	Remaining Revenue Oct-Dec \$1.6
Sep 2018	Estimate	0.5	(0.5)	0.0	(0.0)	(0.0)	
Oct 2018	Estimate	0.5	(0.5)	0.0	–	0.0	Rider C Credit (14.27%)
Nov 2018	Estimate	0.5	(0.5)	0.1	–	0.1	
Dec 2018	Estimate	0.5	(0.5)	0.1	–	0.1	
Component Totals		6.1	(5.6)	0.6	(0.3)	0.2	
<b>Summary for All Components</b>							
Pre-2018	Actual	(3.4)	0.3	(3.1)	–	(3.1)	
Jan 2018	Actual	173.4	(167.0)	6.4	(0.0)	6.4	
Feb 2018	Actual	167.3	(164.9)	2.3	(0.1)	2.3	
Mar 2018	Actual	159.1	(162.4)	(3.3)	(0.1)	(3.4)	
Apr 2018	Actual	169.4	(176.8)	(7.4)	1.8	(5.7)	
May 2018	Actual	206.2	(210.4)	(4.2)	2.2	(2.0)	
Jun 2018	Actual	187.7	(191.0)	(3.3)	2.0	(1.3)	
Jul 2018	Actual	174.6	(172.6)	2.0	1.1	3.1	
Aug 2018	Estimate	173.8	(173.1)	0.7	1.1	1.9	
Sep 2018	Estimate	173.5	(172.4)	1.1	1.1	2.2	
Oct 2018	Estimate	162.5	(168.1)	(5.6)	–	(5.6)	
Nov 2018	Estimate	170.4	(166.7)	3.7	–	3.7	
Dec 2018	Estimate	186.9	(179.9)	7.0	–	7.0	
Summary Totals		2,101.5	(2,105.1)	(3.6)	9.2	5.5	

Distribution system owners have requested the AESO provide the following information:  
 Total Rate DTS metered energy for Q4 2018: 15,914.4 GWh