



CURRENT YEAR MONTHLY DETAIL

$$\text{2022 First Quarter Calibration Factor \%} = \frac{\text{Carryforward}_{\text{Dec 31, 2021}} + [(\text{Cost of Losses} - \text{Loss Revenues}) - \text{Rider E Revenues}]_{\text{Jan 1 - Dec 31, 2022}}}{[\text{Hourly Loss Factor Customer Volumes} \times \text{Hourly Pool Price}]_{\text{Jan 1 - Dec 31, 2022}}}$$

The following table provides a summary of the AESO's projected year-end losses account balance for Rider E for January to December 2022.

Period	Data Source	Calibration Factor Calculation Inputs					Outstanding Variance (Over Collected) / Under Collected \$ millions	Rider E Refunded/Collected \$ millions	Other Information				
		Cost of Losses \$ millions	Revenues Collected Loss Factors \$ millions	Costs Less Revenue (Over Collected) / Under Collected \$ millions	Numerator Values	Denominator Value			Average Monthly Pool Price \$/MWh	Monthly Loss Factor Customer Volumes millions MWh	Monthly Loss Volumes millions MWh		
Carryforward						1.0							
January 2022	Forecast	15.9	13.3	2.6	0.0	2.6	0.0	490.53	89.76	5.40	0.18		
February 2022	Forecast	27.0	24.0	3.1	0.0	3.1	0.0	915.16	174.46	5.10	0.15		
March 2022	Forecast	15.0	13.5	1.5	0.0	1.5	0.0	489.05	94.79	5.14	0.16		
April 2022	Forecast	8.8	6.4	2.4	0.0	2.4	0.0	280.53	58.82	4.74	0.15		
May 2022	Forecast	12.0	9.6	2.4	0.0	2.4	0.0	377.08	76.76	4.83	0.15		
June 2022	Forecast	12.8	11.9	0.9	0.0	0.9	0.0	440.83	82.63	5.10	0.15		
July 2022	Forecast	15.2	13.7	1.5	0.0	1.5	0.0	553.66	99.79	5.36	0.15		
August 2022	Forecast	14.8	11.9	2.9	0.0	2.9	0.0	500.78	94.97	5.11	0.15		
September 2022	Forecast	10.6	8.6	2.0	0.0	2.0	0.0	342.04	71.55	4.70	0.15		
October 2022	Forecast	9.5	7.1	2.3	0.0	2.3	0.0	295.07	58.79	4.98	0.16		
November 2022	Forecast	15.0	14.6	0.4	0.0	0.4	0.0	480.06	88.00	5.32	0.17		
December 2022	Forecast	15.5	13.4	2.0	0.0	2.0	0.0	479.30	84.53	5.48	0.18		
Annual 2022		172.2	148.2	24.0	0.0	24.0	0.0	5644.09	89.57	61.26	1.89		
Total Balance						25.0		5,644.09					
Calibration Factor Calculation Outputs: Rider E Calibration Factor Q1 2022									0.44% (Refund)/Charge				

Notes:

- The Rider E Calibration Factor will apply to all loss factor customers receiving service under Rates STS, DOS, XOS, and IOS as provided on the Rider E rate sheet.
- If the Rider E Calibration Factor for Q3 remained in place during Q3 and Q4, it would collect the variance between cost of losses and revenues by the end of 2021, as currently forecasted.
- Forecast amounts in the above table and calculation reflect the AESO's best estimates at the time of preparation. The values represent forecasts and estimates only, and final values will differ.
- Actual amounts in the above table are subject to revision in future periods due to interim and final settlement and to other adjustments.
- The calibration factor calculation itself is based on summing hourly costs, revenues, and loss factor customer volumes x pool price, and the same result will not be obtained by using the monthly values presented.
- Numbers may not add due to rounding.
- "NA" means "not applicable".
- The revenue, cost and Rider E amounts are shown on a production month basis.

PRIOR YEARS MONTHLY DETAIL

**Alberta Electric System Operator
Rider E Calibration Factor Calculation
For the First Quarter of 2021**
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The following table provides a summary of the AESO's losses account balance for Rider E for the period 2006 to 2021.

Calibration Factor Calculation Inputs													
Period	Data Source	Numerator Values							Denominator Value		Other Information		
		Cost of Losses \$ millions	Revenues Collected Loss Factors \$ millions	Costs Less Revenue (Over Collected) / Under Collected \$ millions	Rider E Refunded/ (Collected) \$ millions	Outstanding Variance (Over Collected) / Under Collected \$ millions	Monthly Loss Factor Customer Volumes × Pool Price \$ millions	Average Monthly Pool Price \$/MWh	Monthly Loss Factor Customer Volumes millions MWh	Monthly Loss Volumes millions MWh			
Annual 2006 to 2018		1,796.1	1,862.1	(66.1)	65.8	(0.3)	NA	56.4	777.7	31.5			
January 2019	Actual	6.7	5.0	1.7	1.1	2.8	NA	37.83	5.69	0.17			
February 2019	Actual	17.5	14.6	2.9	3.1	6.0	NA	109.36	5.68	0.16			
March 2019	Actual	10.1	8.4	1.7	1.9	3.6	NA	65.04	5.63	0.15			
April 2019	Actual	6.0	5.1	0.9	0.8	1.7	NA	40.80	4.86	0.14			
May 2019	Actual	12.7	10.5	2.2	1.6	3.8	NA	74.78	4.92	0.16			
June 2019	Actual	8.5	6.7	1.7	1.1	2.9	NA	53.52	4.83	0.15			
July 2019	Actual	6.2	5.1	1.1	0.2	1.3	NA	40.99	5.12	0.14			
August 2019	Actual	6.7	5.5	1.2	0.2	1.4	NA	45.40	5.07	0.14			
September 2019	Actual	7.6	6.4	1.2	0.2	1.4	NA	54.45	4.84	0.16			
October 2019	Actual	6.8	5.4	1.3	(5.1)	(3.7)	NA	41.86	5.19	0.16			
November 2019	Actual	9.2	7.1	2.2	(6.8)	(4.7)	NA	56.15	5.22	0.16			
December 2019	Actual	8.4	5.7	2.6	(5.6)	(3.0)	NA	43.19	5.58	0.19			
Annual 2019		106.4	85.6	20.8	(7.4)	13.5	NA	55.28	62.65	1.89			
January 2020	Actual	19.9	18.8	1.1	(2.6)	(1.5)	NA	120.67	5.68	0.18			
February 2020	Actual	5.6	5.2	0.4	(0.7)	(0.3)	NA	36.33	5.12	0.15			
March 2020	Actual	6.6	6.1	0.5	(0.8)	(0.4)	NA	42.16	5.37	0.16			
April 2020	Actual	4.6	3.9	0.7	(1.5)	(0.8)	NA	28.92	4.69	0.15			
May 2020	Actual	4.5	3.5	0.9	(1.3)	(0.4)	NA	26.39	4.54	0.16			
June 2020	Actual	5.7	4.2	1.4	(1.7)	(0.3)	NA	34.51	4.60	0.15			
July 2020	Actual	9.2	7.0	2.2	(2.8)	(0.6)	NA	54.14	4.92	0.16			
August 2020	Actual	7.1	5.7	1.4	(2.1)	(0.7)	NA	41.05	5.17	0.16			
September 2020	Actual	5.7	4.6	1.1	(1.6)	(0.5)	NA	36.05	4.83	0.15			
October 2020	Actual	10.0	8.4	1.7	(3.2)	(1.5)	NA	61.26	5.23	0.17			
November 2020	Actual	7.2	6.0	1.3	(2.0)	(0.8)	NA	38.44	5.24	0.19			
December 2020	Actual	7.2	5.6	1.6	(2.1)	(0.5)	NA	38.46	5.41	0.18			
Annual 2020		93.3	79.0	14.3	(22.4)	(8.1)	NA	46.53	60.79	1.96			
January 2021	Actual	13.3	10.9	2.3	(1.6)	0.8	NA	72.89	5.40	0.17			
February 2021	Actual	23.5	21.3	2.2	(3.1)	(0.9)	NA	151.98	5.08	0.15			
March 2021	Actual	11.2	9.3	1.9	(1.3)	0.5	NA	66.92	5.09	0.16			
April 2021	Actual	13.5	10.8	2.7	(1.7)	1.0	NA	87.99	4.66	0.15			
May 2021	Actual	13.1	11.0	2.1	(1.7)	0.4	NA	85.39	4.74	0.15			
June 2021	Actual	23.3	21.2	2.2	(3.2)	(1.0)	NA	140.80	5.01	0.15			
July 2021	Actual	20.5	18.0	2.5	(5.4)	(2.9)	NA	124.10	5.28	0.15			
August 2021	Actual	13.5	11.5	2.0	(3.4)	(1.4)	NA	82.26	5.02	0.15			
September 2021	Actual	15.1	12.5	2.6	(3.5)	(1.0)	NA	94.45	4.62	0.16			
October 2021	Actual	15.8	12.9	3.0	(2.5)	0.4	NA	96.35	4.89	0.16			
November 2021	Forecast	16.8	15.2	1.6	(2.7)	(1.1)	NA	99.07	5.23	0.17			
December 2021	Forecast	17.8	14.1	3.7	(2.8)	0.9	NA	97.16	5.40	0.18			
Annual 2021		197.4	168.7	28.8	(32.8)	(4.1)	NA	99.95	60.42	1.90			