**CURRENT YEAR MONTHLY DETAIL**

2021 First Quarter Calibration Factor % =

$$\frac{\text{Carryforward}_{\text{Dec 31, 2020}} + [(\text{Cost of Losses} - \text{Loss Revenues}) - \text{Rider E Revenues}]_{\text{Jan 1 - Dec 31, 2021}}}{[\text{Hourly Loss Factor Customer Volumes} \times \text{Hourly Pool Price}]_{\text{Jan 1 - Dec 31, 2021}}}$$

The following table provides a summary of the AESO's projected year-end losses account balance for Rider E for January to December 2021.

| | | Calibration Factor Calculation Inputs | | | | | Denominator Value | | Other Information | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Numerator Values | | | | | | | | | |
| Period | Data Source | Cost of Losses | Revenues Collected Loss Factors | Costs Less Revenue (Over Collected) / Under Collected | Rider E Refunded/ (Collected) | Outstanding Variance (Over Collected) / Under Collected | Monthly Loss Factor Customer Volumes × Pool Price | Average Monthly Pool Price | Monthly Loss Factor Customer Volumes | Monthly Loss Volumes |
| | | $ millions | $ millions | $ millions | $ millions | $ millions | $ millions | $/MWh | millions MWh | millions MWh |
| Carryforward Dec 31, 2020 | | | | | | 6.5 | | | | |
| January 2021 | Forecast | 9.2 | 8.3 | 1.0 | 0.0 | 1.0 | 296.82 | 50.80 | 5.68 | 0.18 |
| February 2021 | Forecast | 11.7 | 10.8 | 1.0 | 0.0 | 1.0 | 366.44 | 73.15 | 4.95 | 0.15 |
| March 2021 | Forecast | 7.7 | 7.5 | 0.2 | 0.0 | 0.2 | 261.72 | 48.54 | 5.37 | 0.16 |
| April 2021 | Forecast | 6.5 | 6.2 | 0.3 | 0.0 | 0.3 | 207.78 | 43.42 | 4.75 | 0.15 |
| May 2021 | Forecast | 5.6 | 5.2 | 0.3 | 0.0 | 0.3 | 171.69 | 36.94 | 4.62 | 0.15 |
| June 2021 | Forecast | 5.5 | 4.8 | 0.6 | 0.0 | 0.6 | 170.00 | 36.08 | 4.66 | 0.15 |
| July 2021 | Forecast | 10.0 | 9.1 | 0.9 | 0.0 | 0.9 | 326.11 | 63.79 | 4.98 | 0.15 |
| August 2021 | Forecast | 11.7 | 10.9 | 0.7 | 0.0 | 0.7 | 405.67 | 74.88 | 5.19 | 0.15 |
| September 2021 | Forecast | 9.8 | 9.1 | 0.7 | 0.0 | 0.7 | 311.39 | 62.93 | 4.86 | 0.15 |
| October 2021 | Forecast | 10.7 | 9.8 | 0.9 | 0.0 | 0.9 | 338.09 | 63.48 | 5.25 | 0.16 |
| November 2021 | Forecast | 11.4 | 11.2 | 0.1 | 0.0 | 0.1 | 349.60 | 65.21 | 5.38 | 0.17 |
| December 2021 | Forecast | 9.6 | 9.2 | 0.3 | 0.0 | 0.3 | 317.60 | 53.71 | 5.85 | 0.18 |
| Annual 2021 | | 109.3 | 102.2 | 7.1 | 0.0 | 7.1 | 3522.91 | 56.08 | 61.54 | 1.91 |
| Total Balance | | | | | | 13.5 | 3,522.91 | | | |
| Calibration Factor Calculation Outputs: Rider E Calibration Factor Q1 2021 | | | | | | | 0.38% | (Refund)/Charge | | |

Notes:
1. 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.
2. If the Rider E Calibration Factor for Q1 remained in place during Q1, Q2, Q3 and Q4, it would collect the variance between cost of losses and revenues by the end of 2021, as currently forecasted.
3. 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.
4. Actual amounts in the above table are subject to revision in future periods due to interim and final settlement and to other adjustments.
5. 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.
6. Numbers may not add due to rounding.
7. "NA" means "not applicable".
8. 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**
Page 2 of 2

The following table provides a summary of the AESO's losses account balance for Rider E for the period 2006 to 2020.

| Period | Data Source | Calibration Factor Calculation Inputs | | | | | Denominator Value | Other Information | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Numerator Values | | | | | | | | |
| | | Cost of Losses | Revenues Collected Loss Factors | Costs Less Revenue (Over Collected) / Under Collected | Rider E Refunded/ (Collected) | Outstanding Variance (Over Collected) / Under Collected | Monthly Loss Factor Customer Volumes × Pool Price | Average Monthly Pool Price | Monthly Loss Factor Customer Volumes | Monthly Loss Volumes |
| | | $ millions | $ millions | $ millions | $ millions | $ millions | $ millions | $/MWh | millions MWh | millions MWh |
| Annual 2006 to 2017 | | **1,697.5** | **1,753.9** | **(55.7)** | **57.8** | **2.1** | NA | 57.0 | 713.5 | 29.6 |
| January 2018 | Actual | 7.4 | 8.2 | (0.9) | (0.1) | (1.0) | NA | 40.83 | 5.72 | 0.18 |
| February 2018 | Actual | 4.9 | 5.6 | (0.6) | (0.1) | (0.7) | NA | 31.32 | 5.24 | 0.15 |
| March 2018 | Actual | 5.2 | 5.9 | (0.7) | (0.1) | (0.8) | NA | 32.27 | 5.43 | 0.16 |
| April 2018 | Actual | 6.6 | 7.4 | (0.7) | (0.1) | (0.9) | NA | 40.55 | 5.04 | 0.16 |
| May 2018 | Actual | 10.8 | 12.2 | (1.4) | (0.2) | (1.7) | NA | 63.77 | 5.06 | 0.15 |
| June 2018 | Actual | 10.4 | 11.5 | (1.1) | (0.2) | (1.3) | NA | 63.44 | 4.97 | 0.15 |
| July 2018 | Actual | 9.7 | 10.9 | (1.3) | 0.3 | (1.0) | NA | 58.45 | 5.32 | 0.14 |
| August 2018 | Actual | 11.2 | 12.8 | (1.6) | 0.4 | (1.2) | NA | 68.80 | 5.29 | 0.14 |
| September 2018 | Actual | 5.1 | 5.4 | (0.2) | 0.2 | (0.0) | NA | 36.11 | 4.92 | 0.13 |
| October 2018 | Actual | 9.7 | 10.8 | (1.1) | 2.9 | 1.8 | NA | 63.48 | 5.46 | 0.14 |
| November 2018 | Actual | 9.7 | 10.2 | (0.5) | 2.8 | 2.3 | NA | 59.21 | 5.61 | 0.16 |
| December 2018 | Actual | 7.9 | 8.0 | (0.1) | 2.3 | 2.2 | NA | 43.99 | 6.13 | 0.18 |
| Annual 2017 | | 98.6 | 108.9 | (10.3) | 8.0 | (2.3) | NA | 50.19 | 64.19 | 1.84 |
| January 2019 | Actual | 6.8 | 5.0 | 1.8 | 1.1 | 2.9 | NA | 37.83 | 5.69 | 0.17 |
| February 2019 | Actual | 17.5 | 14.6 | 2.9 | 3.1 | 5.9 | 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 | 8.4 | 6.7 | 1.7 | 1.1 | 2.8 | NA | 53.52 | 4.83 | 0.15 |
| July 2019 | Actual | 6.3 | 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 | 9.1 | 7.1 | 2.0 | (6.8) | (4.8) | NA | 56.15 | 5.22 | 0.16 |
| December 2019 | Actual | 8.5 | 5.7 | 2.7 | (5.6) | (2.9) | NA | 43.19 | 5.58 | 0.19 |
| Annual 2019 | | 106.3 | 85.6 | 20.7 | (7.4) | 13.4 | NA | 55.28 | 62.65 | 1.89 |
| January 2020 | Actual | 19.9 | 18.8 | 1.0 | (2.6) | (1.6) | 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) | (0.7) | 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 | 1.5 | (1.7) | (0.3) | NA | 34.51 | 4.60 | 0.15 |
| July 2020 | Actual | 9.1 | 7.0 | 2.2 | (2.8) | (0.6) | NA | 54.14 | 4.92 | 0.16 |
| August 2020 | Actual | 7.2 | 5.7 | 1.5 | (2.1) | (0.5) | NA | 41.05 | 5.17 | 0.16 |
| September 2020 | Actual | 6.0 | 4.6 | 1.4 | (1.6) | (0.2) | NA | 36.05 | 4.83 | 0.15 |
| October 2020 | Actual | 10.5 | 8.4 | 2.2 | (3.2) | (1.0) | NA | 61.26 | 5.23 | 0.17 |
| November 2020 | Forecast | 9.2 | 6.2 | 3.0 | (2.1) | 0.9 | NA | 38.44 | 5.35 | 0.20 |
| December 2020 | Forecast | 9.9 | 8.5 | 1.5 | (3.1) | (1.7) | NA | 53.59 | 5.75 | 0.18 |
| Annual 2020 | | 98.8 | 82.1 | 16.7 | (23.4) | (6.7) | NA | 47.79 | 61.25 | 1.98 |

**Carryforward** Dec 31, 2020                                     6.5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,796.1 | 1,862.8 | (66.0) | 65.8 | | (0.2) | ## | #VALUE! | ## | 107.1 | 777.7 | 31.5 |
| 1,697.5 | 1,753.9 | (56.41) | 57.8 | **1.4** | | | | | 82.0 | 713.5 | 29.6 |