



CURRENT YEAR MONTHLY DETAIL

$$2013 \text{ Fourth Quarter Calibration Factor } \% = \frac{\text{Carryforward}_{\text{Dec 31 2012}} + [(\text{Cost of Losses} - \text{Loss Revenues}) - \text{Rider E Revenues}]_{\text{Jan 1 - Dec 31 2013}}}{[\text{Hourly Loss Factor Customer Volumes} \times \text{Hourly Pool Price}]_{\text{Oct 1 - Dec 31, 2013}}}$$

The following table provides a summary of the AESO's projected year-end losses account balance for Rider E for January to December 2013.

		Calibration Factor Calculation Inputs					Other Information				
		Numerator Values			Denominator Value						
Period	Data Source	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	
Carryforward Dec 31 2012		4.7									
January 2013	Actual	11.8	12.2	(0.5)	0.1	(0.3)	NA	58.02	5.36	0.21	
February 2013	Actual	5.0	5.6	(0.6)	0.1	(0.6)	NA	28.71	4.75	0.20	
March 2013	Actual	19.5	20.3	(0.8)	0.2	(0.6)	NA	105.63	5.04	0.19	
April 2013	Actual	24.6	25.1	(0.5)	(1.1)	(1.6)	NA	137.66	4.81	0.18	
May 2013	Actual	23.1	23.1	(0.0)	(1.0)	(1.0)	NA	127.66	4.69	0.18	
June 2013	Actual	17.4	17.6	(0.2)	(0.8)	(1.0)	NA	104.77	4.44	0.16	
July 2013	Actual	11.0	11.0	(0.0)	(0.9)	(0.9)	NA	56.14	4.89	0.19	
August 2013	Forecast	13.0	13.1	(0.1)	(1.1)	(1.2)	NA	66.33	4.99	0.19	
September 2013	Forecast	33.1	29.5	3.6	(2.5)	1.1	NA	164.36	4.64	0.19	
October 2013	Forecast	9.2	8.9	0.3	0.0	0.3	233.31	45.13	5.10	0.20	
November 2013	Forecast	9.3	9.5	(0.1)	0.0	(0.1)	250.54	45.72	5.33	0.20	
December 2013	Forecast	8.3	10.1	(1.7)	0.0	(1.7)	261.76	44.09	5.87	0.19	
Annual 2013		185.4	186.0	(0.6)	(7.0)	(7.6)	745.61	82.02	59.91	2.27	
Total Balance		(2.9)					745.61				

Calibration Factor Calculation Outputs: Rider E Calibration Factor Q4 2013 **(0.39%)** (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 Q4 remained in place during Q4, it would collect the variance between cost of losses and revenues by the end of 2013, 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.
- The 2013 Q4 Calibration Factor reflects a refund of \$1.9 million arising from a system level metering adjustment related to 2011.
- The allocation of the refund will occur over October to December of 2013, consistent with the existing methodology which allocates outstanding variance amounts over the remaining months in the calendar year. The allocation will add an estimated 0.25% refund to Rider E from October to December 2013.

PRIOR YEARS MONTHLY DETAIL

The following table provides a summary of the AESO's losses account balance for Rider E for the period 2006 to 2012.

Alberta Electric System Operator
Rider E Calibration Factor Calculation
For The Fourth Quarter of 2013
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		Calibration Factor Calculation Inputs					Other Information			
		Numerator Values				Denominator Value				
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 x Pool Price	Average Monthly Pool Price	Monthly Loss Factor Customer Volumes	Monthly Loss Volumes
		<i>\$ millions</i>	<i>\$ millions</i>	<i>\$ millions</i>	<i>\$ millions</i>	<i>\$ millions</i>	<i>\$ millions</i>	<i>\$/MWh</i>	<i>millions MWh</i>	<i>millions MWh</i>
Annual 2006 to 2009		761.9	819.0	(57.1)	54.4	(2.7)	NA	71.38	229.73	10.85
January 2010	Actual	11.3	10.6	0.7	0.3	1.0	NA	43.43	5.12	0.26
February 2010	Actual	10.9	9.7	1.3	0.3	1.6	NA	43.90	4.59	0.25
March 2010	Actual	8.7	8.2	0.4	0.3	0.7	NA	35.31	4.87	0.24
April 2010	Actual	9.7	10.0	(0.4)	0.2	(0.2)	NA	49.71	4.48	0.19
May 2010	Actual	23.8	25.4	(1.7)	0.5	(1.2)	NA	134.69	4.47	0.18
June 2010	Actual	11.3	11.2	0.1	0.2	0.3	NA	57.27	4.47	0.20
July 2010	Actual	8.4	8.5	(0.1)	(0.7)	(0.9)	NA	40.01	4.67	0.21
August 2010	Actual	8.7	8.5	0.2	(0.7)	(0.6)	NA	38.64	4.70	0.22
September 2010	Actual	6.5	6.1	0.3	(0.5)	(0.2)	NA	28.42	4.56	0.22
October 2010	Actual	7.0	6.8	0.2	(0.7)	(0.6)	NA	30.92	4.77	0.23
November 2010	Actual	10.8	10.7	0.1	(1.2)	(1.1)	NA	48.09	5.00	0.23
December 2010	Actual	14.0	13.7	0.4	(1.6)	(1.2)	NA	58.89	5.31	0.24
Annual 2010		131.0	129.6	1.4	(3.6)	(2.2)	NA	50.77	57.00	2.67
January 2011	Actual	16.9	16.6	0.3	0.2	0.4	NA	79.05	5.19	0.22
February 2011	Actual	22.7	21.9	0.8	0.2	1.0	NA	122.45	4.67	0.18
March 2011	Actual	10.4	10.2	0.2	0.1	0.3	NA	48.52	5.16	0.21
April 2011	Actual	9.3	9.1	0.3	(1.4)	(1.1)	NA	52.23	4.51	0.18
May 2011	Actual	6.3	6.3	0.0	(0.9)	(0.9)	NA	32.27	4.50	0.19
June 2011	Actual	14.0	13.4	0.6	(2.0)	(1.4)	NA	71.85	4.52	0.19
July 2011	Actual	14.0	14.2	(0.2)	(0.2)	(0.4)	NA	61.21	4.76	0.21
August 2011	Actual	25.1	28.4	(3.3)	(0.5)	(3.8)	NA	126.36	4.80	0.20
September 2011	Actual	20.1	21.4	(1.3)	(0.3)	(1.6)	NA	96.57	4.61	0.19
October 2011	Actual	13.1	15.2	(2.1)	1.0	(1.1)	NA	69.75	4.73	0.19
November 2011	Actual	22.0	25.5	(3.5)	1.7	(1.8)	NA	108.24	4.93	0.19
December 2011	Actual	9.9	12.3	(2.4)	0.8	(1.5)	NA	51.26	5.05	0.20
Annual 2011		183.9	194.4	(10.5)	(1.3)	(11.8)	NA	76.65	57.43	2.35
January 2012	Actual	17.0	19.2	(2.2)	(0.0)	(2.2)	NA	84.54	5.16	0.20
February 2012	Actual	8.7	8.8	(0.1)	(0.0)	(0.1)	NA	43.67	4.78	0.19
March 2012	Actual	9.6	10.4	(0.8)	(0.0)	(0.8)	NA	51.08	4.91	0.19
April 2012	Actual	6.8	7.7	(0.9)	0.7	(0.2)	NA	41.69	4.58	0.17
May 2012	Actual	5.4	5.8	(0.4)	0.5	0.1	NA	29.46	4.58	0.18
June 2012	Actual	8.4	9.0	(0.6)	0.8	0.3	NA	49.30	4.38	0.16
July 2012	Actual	13.7	14.1	(0.3)	1.3	1.0	NA	68.39	4.86	0.19
August 2012	Actual	12.4	10.5	1.8	2.7	4.6	NA	56.54	4.88	0.19
September 2012	Actual	19.4	17.8	1.7	4.7	6.3	NA	110.39	4.54	0.18
October 2012	Actual	17.9	16.6	1.3	2.6	3.9	NA	91.36	4.91	0.19
November 2012	Actual	18.8	15.7	3.1	2.5	5.6	NA	87.41	4.98	0.20
December 2012	Actual	12.5	11.3	1.3	1.8	3.0	NA	57.62	5.38	0.22
Annual 2012		150.7	146.8	3.9	17.5	21.4	NA	64.29	57.92	2.26

Carryforward Dec 31 2012

4.7