

August 6, 2021

To Market Participants and Other Interested Parties

Dear Stakeholder:

Re: **Corrected Loss Factors and True-Up Adjustments for 2007 and 2008 Under Module C of Alberta Utilities Commission (“Commission”) Proceeding 790, Complaints Regarding the ISO Transmission Loss Factor Rule and Loss Factor Methodology**

In an update on June 28, 2021 on loss factor activities under Module C, the AESO advised stakeholders it was in the process of recalculating the Module C loss factors for all years from 2006 to 2016 to reflect the correction of errors in system topologies. The AESO is implementing the corrections from 2006 forward to 2016 and will publish the corrected loss factors and resulting adjustments for each year as they become available. The AESO will then financially settle the adjustments in conjunction with the “true-up” settlement process described in the Module C Settlement Procedure document posted on the AESO website. Cash settlement is expected to occur in December 2021.

The AESO has now implemented the system topology corrections for 2007 and 2008, recalculated and published the loss factors for 2007 and 2008, and estimated and published the resulting adjustments, as follows:

- The corrected 2007 and 2008 loss factors and workbooks showing calculations for 2007 and 2008 loss factors are available on the AESO website at www.aeso.ca ► Grid ► Grid-Related Initiatives ► Loss factors ► Loss factors recalculation for 2006-2016 ► 2007 recalculated loss factors and 2008 recalculated loss factors, respectively.
- Access to the corrected 2007 and 2008 system topologies can be requested through the process for which a link is provided on the same page. Stakeholders who previously received access to the system topologies will automatically be provided access to the corrected system topologies.
- There have been no changes to other information used for the recalculated loss factors for 2007 and 2008.
- The estimated Module C true-up adjustments for 2007 and 2008 are available on the AESO website at www.aeso.ca ► Grid ► Grid-Related Initiatives ► Loss factors ► Loss factors recalculation for 2006-2016 ► Module C Adjustment Charges and Refunds.

Corrected Loss Factors and True-Up Adjustments for 2007

Table 1 lists the significant system topology corrections that were implemented for 2007. As well, minor corrections for 2007 were implemented in the following planning areas:

- South Region: Area 52 – Vauxhall
- Calgary Region: Area 6 – Calgary
- Central Region: Area 42 – Hanna; Area 29 – Hinton/Edson; Area 37 – Provost; Area 32 – Wainwright
- Edmonton Region: Area 60 – Edmonton; Area 40 – Wabamun; Area 31 – Wetaskiwin
- Northeast Region: Area 27 – Athabasca/Lac La Biche; Area 25 – Fort McMurray

Table 1 – Significant System Topology Corrections Implemented for 2007 Module C Loss Factor Calculations

Planning Area	Description of Error	Affected Facilities	Affected Months
South Region			
Area 53 – Fort Macleod	Incorrect line characteristics	725L line, Windy Flats – Lethbridge	Jan 2006 – Dec 2007
Area 54 – Lethbridge	Incorrect line characteristics	820AL line, Coaldale – Chin Chute	Oct 2006 – Mar 2007
Area 52 – Vauxhall	Incorrect line characteristics	172L line, Taber – Chin Chute	Apr-Oct 2007
Northeast Region			
Area 25 – Fort McMurray	Inclusion of facilities not in service	9L08, 9L09 lines, MacKay River – Joslyn	Dec 2006 – Aug 2007
Area 25 – Fort McMurray	Inclusion of facilities not in service	9L66 line, Joslyn – Bitumount	Dec 2006 – Aug 2007
Northwest Region			
Area 17 – Rainbow Lake	Incorrect line characteristics	7L81 line, Rainbow Lake – Fort Nelson	Jan-Aug 2007

System topologies reflecting the corrections summarized above have been used to determine corrected Module C loss factors for 2007. If settled on their own, adjustments from the corrected loss factors would total approximately \$0.6 million of charges and \$0.6 million of refunds for 2007. As discussed in the AESO's June 28 update, the amounts are significantly less than the initial Module C adjustments settled in May 2021, which comprised \$68.9 million of charges and \$69.1 million of refunds for 2007.

Corrected Loss Factors and True-Up Adjustments for 2008

Table 2 lists the significant system topology corrections that were implemented for 2008. As well, minor corrections for 2008 were implemented in the following planning areas:

- South Region: Area 44 – Seebe
- Calgary Region: Area 6 – Calgary
- Central Region: Area 29 – Hinton/Edson; Area 37 – Provost; Area 32 – Wainwright
- Edmonton Region: Area 60 – Edmonton; Area 40 – Wabamun
- Northeast Region: Area 27 – Athabasca/Lac La Biche; Area 33 – Fort Saskatchewan
- Northwest Region: Area 23 – Valleyview

Table 2 – Significant System Topology Corrections Implemented for 2008 Module C Loss Factor Calculations

Planning Area	Description of Error	Affected Facilities	Affected Months
Northeast Region			
Area 27 – Athabasca/Lac La Biche	Incorrect line characteristics	728L line, Plamondon – Lac La Biche	May-Oct 2008
Area 33 – Fort Saskatchewan	Inclusion of facilities not in service	943L line, Heartland – Deerland	Mar 2008 – May 2010

System topologies reflecting the corrections summarized above have been used to determine corrected Module C loss factors for 2008. If settled on their own, adjustments from the corrected loss factors would total approximately \$0.3 million of charges and \$0.4 million of refunds for 2008. As discussed in the AESO’s June 28 update, the amounts are significantly less than the initial Module C adjustments settled in May 2021, which comprised \$39.2 million of charges and \$39.3 million of refunds for 2008.

Settlement of Module C True-Up Adjustments

As mentioned above, adjustments from the corrected loss factors will be settled as part of the Module C true-up process described in the *Module C Settlement Procedure* document. The true-up settlement is expected to include the recovery of approximately \$2.3 million of Module C charges for 2007 and approximately \$1.5 million of Module C charges for 2008 that the AESO has to date been unable to collect from dissolved corporations. Any Module C charges for 2007 and 2008 that remain uncollected after the AESO has exhausted all reasonable means of collection will be recovered through Rider E in the true-up adjustments for 2007 and 2008, respectively, in accordance with Commission directions in Module C.

The total true-up adjustments estimated for 2007 comprise approximately \$2.3 million of charges and \$0.1 million of refunds. The total true-up adjustments estimated for 2008 comprise approximately \$1.6 million of charges and \$0.0 million of refunds. These amounts include adjustments from the corrected loss factors, adjustments to recover the expected uncollectible charges for each year, and interest to the expected date of cash settlement in December 2021. Any imbalances for 2007 and 2008 that remain after the true-up settlement process will be addressed by way of Rider E on a going forward basis, as described in the *Module C Settlement Procedure* document. The AESO updated the *Module C Settlement Procedure* document on August 6, 2021, to include additional information on the true-up settlement process, including the schedule for expected settlement activities.

The AESO will continue to publish the corrected loss factors and associated adjustments for each remaining Module C year as the corrections and adjustments for each year become available.

Stakeholders can access Module C data, results, and related information on the AESO website at www.aeso.ca ► Grid ► Grid-Related Initiatives ► Loss factors ► Loss factors recalculation for 2006 2016. Module C stakeholder updates and related information, including technical meeting presentations, are available at www.aeso.ca ► Grid ► Grid-Related Initiatives ► Loss factors ► Stakeholder engagement.

The AESO will provide further stakeholder updates when additional information becomes available. In the meantime, stakeholders may contact Milton Castro-Núñez at milton.castro-nunez@aeso.ca or John Martin at john.martin@aeso.ca with any concerns or questions.

Yours truly,

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