

**Summary of 2007 Loss Factor Meeting Notes and Actions (Starting from January 2006)**

**Meeting Action Items, 2007-05-30**

<b>Item</b>	<b>Issue/Date</b>	<b>Discussion</b>	<b>Action/Timeline</b>	<b>Status</b>
21	Method of Communication to Stakeholders, 2007	<ul style="list-style-type: none"> <li>Remainder of year meetings will be set with additional meetings as required</li> </ul>	<ul style="list-style-type: none"> <li><b>Meeting milestones for 2007:</b> <ul style="list-style-type: none"> <li><b>May 30 2007 – Meeting</b></li> <li><b>June 18 2007 – GSO Review</b></li> <li><b>October 2007 – Loss Factor Review</b></li> <li><b>Other meetings as required</b></li> </ul> </li> </ul>	Ongoing. Meeting dates will be added or changed as required.
49	Reconciling forecast loss factors using actual generation levels. (Energy Account instead of Deferral account?)	TCE suggested that a process should be created where generator loss factors are to be recalculated after actual generation levels are known (Q3 of the following year) and adjustments to the generator's revenue be made through a deferral account process. During the meeting, more than one stakeholder indicated support for the suggestion and more than one stakeholder did not want to pursue the suggestion. The EUB indicated they are reluctant to accept 2006 GTA changes with the decision occurring in Sept 2005 without a unanimous stakeholder position. The 2006 GTA calibration factor process was filed as fully prospective.	<p>The AESO will re-calculate the 2006 loss factors based on actual historical data from January 1 to December 31 2006. Details:</p> <ul style="list-style-type: none"> <li>Gather historical data (LF customer volumes, Loss Volume, and Load)</li> <li>GSO calculation</li> <li>Build 2006 base case</li> <li>Use loss factor software to calculate the 2006 loss factor based on actual information</li> <li><u>Note:</u> this is a non-binding 'information only' exercise only – no Deferral accounts will be explored; test can begin after Sept 2007 (final data for 2006 available then)</li> </ul>	Ongoing, Deferred to 2007. The base cases can be constructed prior to Sept 2007 by using interim (not final) data.
Loss Factor Meeting, April 26 9, 2006. 9:30-12:00, AESO Offices				
65.	Proposed Rule Change Discussion, 2007	<ul style="list-style-type: none"> <li>Process: The intent was to update the Rule for 2007 loss factor determination and then update if necessary to reflect the Regulation amendment. Input from stakeholders on April 26 2006 indicates the ISO should consider waiting for the Amendment to be completed before making Rule changes.</li> </ul>	<ul style="list-style-type: none"> <li>The presentation on Rule changes will be posted. The calculation of loss factors will continue as per the Rule. Stakeholder comments have been recorded on the proposed changes and will be solicited again once the Regulation has been updated so changes, if necessary, can be made.</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

69.	Web Loss Factor Calculator	<ul style="list-style-type: none"> <li>Six stakeholders responded to request for input. No consensus exists in responses. Further, the DOE amendment could bring additional change to methodology.</li> </ul>	<ul style="list-style-type: none"> <li>AESO will post loss factors at all high voltage buses on the AIES.</li> <li><b>With the new Regulation, the AESO will complete the requirements first then explore the web calculator with the stakeholders</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Ongoing, Q2 2007</b></li> </ul>
Loss Factor Meeting, July 19, 2006. 9:30-12:00, AESO Offices				
71.	2007 Generic Stacking Order Discussion	<ul style="list-style-type: none"> <li>Should multiple years' metering data be used as input to the GSO?</li> </ul>	<p>The AESO will use multiple years' data to calculate the Generic Stack Order. The AESO will perform a sensitivity study on the GSO based on three years of historical data and compare the result with one year existing calculation. Details:</p> <ul style="list-style-type: none"> <li>Retrieve Net to Grid amount of STS, DOS, IOS and EOS from TSS</li> <li>Build Generation dispatch order</li> <li>Use Rules to determine Low, Medium, and High scenarios</li> <li>Build GSO data</li> <li>Draw a Geographic map with Loss factors located on the 240 kV buses plus 240 kV line flow</li> </ul> <p><u>Conditions – results are for discussion only at this time</u></p>	<ul style="list-style-type: none"> <li>Updated in #75. Stakeholders are requested to provide any comments on this test initiative by February 28, 2007. <b>No input was received from by Q1 from stakeholders – AESO will provide an assessment by Q2 2007</b></li> </ul>
		<ul style="list-style-type: none"> <li>Can AESO provide a Generation Map like the LF Map and sum of regional line flow be shown on loss factor map?</li> </ul>	<ul style="list-style-type: none"> <li>AESO will provide the Generation and line flow Map -See #69</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>
		<ul style="list-style-type: none"> <li>Sharing of the AESO hourly historical and forecasted AIES load</li> </ul>	<ul style="list-style-type: none"> <li>The AESO will review the ability to share the historical and forecasted hourly AIES load and report</li> </ul>	<ul style="list-style-type: none"> <li>A process is under consideration by the Market Performance group for publishing the AIES hourly data.</li> </ul>
		<ul style="list-style-type: none"> <li>A suggestion was made for the AESO to confirm an audit of the data used in the GSO development be used</li> </ul>	<ul style="list-style-type: none"> <li>The AESO agrees and will report on audit mechanisms used to ensure data errors are identified</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

Loss Factor Meeting, October 24, 2006. 9:30-12:00, AESO Offices				
74.	2011 Loss Factors	<ul style="list-style-type: none"> <li>Stakeholders requested a completion date for the 2011 loss factors. <b>Further, stakeholders are considering the delivery of the fifth year. More detail usually results in better accuracy but greater delays. Less detail can be delivered more quickly with less accuracy.</b></li> </ul>	<ul style="list-style-type: none"> <li>The AESO is awaiting the possible outcome of the 500 kV decision and would like to coordinate the generation sequences with the 10 year plan. The results should be out late in 2006/early 2007.</li> <li><b>The AESO will deliver the 2011 loss factors in Q2 2007; the information in the Ten Year plan will be used in the assessment once available</b></li> <li><b>Stakeholders asked to consider for June 18 their preference for more or less detail in the fifth year results</b></li> </ul>	<ul style="list-style-type: none"> <li>Ongoing, delivery in Q2</li> <li><b>Stakeholders to respond by June 18 2007 regarding more or less detail in the fifth year loss factors</b></li> </ul>
75.	Rule Change Options for 2007 – Non Transmission Regulation requirements	<ul style="list-style-type: none"> <li><b>The Transmission Regulation was updated in April 2007. Other AESO loss factor Rule changes can possibly be made while the Rule is open, as long as the secondary changes do not affect the implementation of the Regulation</b></li> </ul>	<ul style="list-style-type: none"> <li>Changes under consideration include:                             <ul style="list-style-type: none"> <li>Alternatives to scaling load when the GSO is exhausted,</li> <li>Clearer criteria for inter-tie and generator additions</li> <li>Longer periods of historical data under consideration (see #71)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>A request has been made to stakeholders for input to these and other issues</b></li> </ul>
Loss Factor Meeting, May 30, 2007. 8:30-12:00, AESO Offices				
76	2007 Transmission Regulation ('T-Reg')	<ul style="list-style-type: none"> <li>The discussion was initiated to interpret the T-Reg with the intent of achieving a practical Rule. The timely application of the Regulation is primary – any other Rule changes are secondary. (Please refer to #75.) A presentation was provided to outline AESO's initial interpretation of the T-Reg.</li> <li>The Rule process within AESO and the content and time requirements in the T-Reg govern the development of the changes. The implementation of the T-Reg is required by January 01, 2009. The project to make changes is on the critical path due to the length of time</li> </ul>	<ul style="list-style-type: none"> <li>The May 30 presentation was posted</li> <li>Prior to June 18, AESO will prepare and provide LF's and the shift factor in the 2007 format for 2007 using a possible 2009 process. +/- 12% loss factor limit will be identified if exceeded</li> <li>The testing will be repeated several times during the course of the updating of the Rule as the interpretation evolves. Calculations will be made as the Rule changes progress.</li> <li>The tie loss evaluation (invoiced, measured, compensated, etc) will be determined</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing</li> </ul>

		<p>required to inform participants of the changes, formally enter the Rule process, make changes to processes and software, and then pre-calculate the 2009 loss factors with the new Rule.</p> <p>Issues examined (in no specific order)</p> <ul style="list-style-type: none"> <li>• Stakeholders would appreciate estimate of 2007 LF's using a proposed 2009 process to assist in the decision process</li> <li>• Stakeholders would like flexibility to revisit Rule if final results do not reflect the T-Reg intentions</li> <li>• How losses are compensated at Langdon (AB-BC) and McNeill (AB-Sk)</li> <li>• Treatment of import could be reflected as a price taker in the GSO</li> <li>• Treatment of the CF should be examined for 'loss factor only' tie transactions</li> <li>• Treatment of tie line history</li> <li>• Consultation request – the stakeholders request the draft Rule as presented within AESO</li> <li>• Base case preparation – options to supply load in the event supply is not sufficient</li> <li>• GSO – how to stack preliminary or new generators</li> <li>• Multi-year GSO – stakeholders would prefer a method to allow a way to choose how to use historical data in the GSO</li> <li>• How to choose to remove TMR units</li> <li>• Modeling treatment</li> <li>• ADOE clarification as required</li> </ul>	<ul style="list-style-type: none"> <li>• Stakeholders requested to provide comments on the Regulation as related to losses by June 10. The AESO will capture the comments in a simple format, attached.</li> <li>• June 18 meeting to consider T-Reg changes in more depth. Further meetings will be booked as required. Stakeholders asked to RSVP their intentions of attending by June 13 to rob.baker@aeso.ca.</li> </ul>	
	<p>Rule Change Options for 2007 – <b>Non</b></p>	<ul style="list-style-type: none"> <li>• Please refer to #75</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>

	<b>Transmission Regulation requirements</b>			
	<b>2007 Milestone Document</b>	<ul style="list-style-type: none"> <li><b>New information is available for posting</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Milestone document will be reposted prior to June 18</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Done, and will be posted prior to June 18 2007</b></li> </ul>
	<b>Clarification to Part 1 of the Loss Factor Methodology</b>	<ul style="list-style-type: none"> <li><b>The AESO has requested a clarification to Part 1 of the Methodology. No material changes to the software, calculation, or results will occur</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Methodology updated</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Done, and will be posted prior to June 18 2007</b></li> </ul>

**Legend:**

- Yellow Highlighting means item has been completed, and will be removed from the next version of notes.
- Bolding means item is incomplete or has been updated with new information.
- Action list includes submissions from 2005 and 2006.