

Summary of 2006 Loss Factor Meeting Notes and Actions, Starting January 2006

2006-02-22, 2006-03-09, 2006-04-26, 2006-07-19, 2006-10-24

Item	Issue/Date	Discussion	Action/Timeline	Status
21	Method of Communication to Stakeholders	<ul style="list-style-type: none"> Remainder of year meetings will be set with additional meetings as required 	<ul style="list-style-type: none"> Meeting placeholders for 2006: <ul style="list-style-type: none"> - Complete 	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?)	<p>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>	<p>By 2005-09-13, AESO will present a proposal to address loss factor forecasts to actual</p> <p>Request for participants to send in any ideas they have by Sept 20 2005 on the process or the forecast for consideration</p> <p>Suggestions for the proposal included:</p> <ul style="list-style-type: none"> - evaluation of accuracy - process to address errors - use of actual generator output - process to make adjustments 	Ongoing, Deferred to 2007 .
Loss Factor Meeting, Wednesday February 22, 2006. 9:30-12:00, AESO Offices				
Loss Factor Meeting, March 9, 2006. 10:00-12:00, AESO Offices				
Loss Factor Meeting, April 26 9, 2006. 9:30-12:00, AESO Offices				
65.	Proposed Rule Change Discussion, 2006	<ul style="list-style-type: none"> 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 indicates the ISO should consider waiting for the Amendment to be completed before making Rule changes. 	<ul style="list-style-type: none"> The presentation on Rule changes will be posted. The 2007 calculation of loss factors will continue. 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. 	<ul style="list-style-type: none"> Ongoing

66.	Milestones	<ul style="list-style-type: none"> Suggestion to integrate the Rules process into the milestone document 	<ul style="list-style-type: none"> ISO will combine the two components when appropriate 	<ul style="list-style-type: none"> No further action
69.	Web Loss Factor Calculator	<ul style="list-style-type: none"> Six stakeholders responded to request for input. No consensus exists in responses. Further, the DOE amendment could bring additional change to methodology. 	<ul style="list-style-type: none"> ISO will post a table of loss factors at all high voltage buses on the AIES. The web calculator will be put on hold until the Regulation amendment is complete 	<ul style="list-style-type: none"> Ongoing
Loss Factor Meeting, July 19, 2006. 9:30-12:00, AESO Offices				
71.	2007 Generic Stacking Order Discussion	<ul style="list-style-type: none"> Should multiple years' metering data be used as input to the GSO? 	<ul style="list-style-type: none"> In order to accurately reflect the performance of the generators, using multiple years' metering data is another acceptable alternative to reflect the average output of the generator. The output duration will be taken into consideration 	<ul style="list-style-type: none"> Updated in #75
		<ul style="list-style-type: none"> Can AESO provide a Generation Map like the LF Map and sum of regional line flow be shown on loss factor map? 	<ul style="list-style-type: none"> AESO will provide the Generation and line flow Map 	<ul style="list-style-type: none"> Ongoing
		<ul style="list-style-type: none"> Sharing of the AESO hourly historical and forecasted AIES load 	<ul style="list-style-type: none"> The AESO will review the ability to share the historical and forecasted hourly AIES load and report 	<ul style="list-style-type: none"> Ongoing
		<ul style="list-style-type: none"> A request was made for the 2007 Generic Stacking Order Document 	<ul style="list-style-type: none"> AESO will be presenting the final GSO values and accompanying document in the near future 	<ul style="list-style-type: none"> Complete
		<ul style="list-style-type: none"> A suggestion was made for the AESO to confirm an audit of the data used in the GSO development be used 	<ul style="list-style-type: none"> The AESO agrees and will report on audit mechanisms used to ensure data errors are identified 	<ul style="list-style-type: none"> Ongoing
Loss Factor Meeting, October 24, 2006. 9:30-12:00, AESO Offices				
73.	2007 Loss Factors	<ul style="list-style-type: none"> A request was made to have the line flow and loss factor map updated 	<ul style="list-style-type: none"> The AESO will update these maps with an ongoing internal initiative 	<ul style="list-style-type: none"> See #71
		<ul style="list-style-type: none"> A request was made to describe why the NW enhancements are not in the 2007 loss factor base cases when the need assessment called for a 2007 ISD 	<ul style="list-style-type: none"> The latest information on the project indicates the NW project will not start to enter service until late 2007. The 2008 cases will start to reflect new equipment in service AESO will outline major facility assumptions in the covering letter for the 2007 final loss factors 	<ul style="list-style-type: none"> Complete

		<ul style="list-style-type: none"> • A request was made to explain why losses by volume were higher in 2006 and lower in 2007 when the load increased 	<ul style="list-style-type: none"> • The explanation is losses were over forecast (as seen in the ongoing calibration factor updates). Losses expectations have been reduced for 2007. 	<ul style="list-style-type: none"> • Complete
74.	2011 Loss Factors	<ul style="list-style-type: none"> • Stakeholders requested a completion date for the 2011 loss factors 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Ongoing
75.	Rule Change Options for 2007	<ul style="list-style-type: none"> • If the new transmission regulation is updated early in 2007, the Rule will be examined with stakeholders to see if changes need to be made. If the Regulation is not to be updated, then some Rule changes can be explored. If the Regulation is delayed, then some ideas can be explored prior to the finalization of the Regulation. For example, generator preliminary or confirmed additions are clear in the Rules – additions of inter-ties are not. 	<ul style="list-style-type: none"> • The AESO will identify some possible changes to the Rule (not associated with the Regulation) and share with stakeholders. If stakeholders wish, AESO can perform some analysis to show possible outcomes prior to making changes. Such areas might include: <ul style="list-style-type: none"> ○ Alternatives to scaling load when the GSO is exhausted, ○ Clearer criteria for inter-tie and generator additions ○ Longer periods of historical data under consideration (see #71) 	<ul style="list-style-type: none"> • AESO will start to review options early in 2007.
76.	2006 to 2007 Loss factors	<ul style="list-style-type: none"> • The basic principle reflected in the calculation of loss factors is generators are charged for all losses including those caused by loads. For 2006 loss factor calculations, losses created by all loads were assumed to be charged to all generators. For 2007 loss factor calculations, the loss factor software has been refined such that losses caused by behind the fence loads are factored into the loss factors that are determined for their associated generators. 	<ul style="list-style-type: none"> • The loss factors for 2006 will not be changed as the average change is <0.2% due to the load refinement. 	<ul style="list-style-type: none"> • Complete

		<ul style="list-style-type: none">• Shift factor. The shift factor has dropped from 2006 to 2007 by 0.59% to 1.34%. The shift factor has dropped due to the refined load treatment and due to a lower loss forecast.	<ul style="list-style-type: none">• The shift factor change due to a lower loss forecast and load refinements is outlined below (difference is based on 2007 cases):<ul style="list-style-type: none">○ The effect of the forecast is -0.5%○ The effect of the load treatment is -0.39%• The AESO reiterates the shift factor in the base cases is zero. In other words the raw loss factor on a power basis recovers all the losses. When using a single loss factor to recover all energy losses as forecasted in the annual GTA in a year, the shift factor increases. Even then, the new process realizes a significant improvement over the past methodology. In the past, four loss factors used in a year resulted in an 80 – 90% shift factor. The new methodology results in a shift of about 25%.	<ul style="list-style-type: none">• Complete
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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 new items in 2006: February 22, 2006, March 09 2006, April 26 2006, July 19, 2006 and **October 24, 2006.**