



December 1, 2009

**To: Alberta Utilities Commission (“Commission”)**

**Re: Notice of Filing – Proposed Interconnection Reliability Operations and Coordination (“IRO”), Protection and Control (“PRC”) Alberta Reliability Standards (“Reliability Standards”) and Updated Alberta Reliability Standards Glossary of Terms (“Updated Glossary”):**

- a) **IRO-006-WECC-AB-1 Qualified Transfer Path Unscheduled Flow Relief**
  - b) **PRC-001-AB-1 Protection System Coordination**
  - c) **Updated Glossary**
1. Please be advised that pursuant to Section 19(4)(b) of the *Transmission Regulation* the Alberta Electric System Operator (“AESO”) is recommending that the Alberta Utilities Commission (“Commission”) approve the above-captioned Reliability Standards and Updated Glossary.
  2. IRO-006-WECC-AB-1 is applicable only to the AESO. PRC-001-AB-1 is applicable to market participants and the AESO
  3. The Reliability Standards and Updated Glossary are based on the reliability standards and definitions developed and enforced by the North American Electric Reliability Corporation (“NERC”) in the United States. NERC was approved as the Electric Reliability Organization (“ERO”) for the United States by the Federal Energy Regulatory Commission (“FERC”) as per the US Energy Policy Act. NERC has been granted recognition as the ERO by the Minister of Energy in Alberta pursuant to Section 20 of the *Transmission Regulation*.
  4. These Reliability Standards and Updated Glossary contain certain changes from the ERO reliability standards and definitions to ensure that the standards are properly aligned with the industry structure and adapted for application in Alberta. The AESO has consulted with those market participants that it considers are likely to be directly affected in accordance with Section 19(4)(a) of the *Transmission Regulation*.
  5. The AESO is also including as attachments tables comparing the recommended Reliability Standard with the equivalent NERC reliability standard. These attachments are being provided for information purposes with the understanding they may assist the Commission in its review when satisfying itself under Section 19(5) of the *Transmission Regulation*.



## Summary of Reliability Standards

### IRO-006-WECC-AB-1 Qualified Transfer Path Unscheduled Flow Relief

6. The purpose of this Reliability Standard is to mitigate transmission overloads due to unscheduled flow on qualified transfer paths.
7. This new Reliability Standard is based on the NERC Board of Trustees approved Western Electricity Coordinating Council (“WECC”) reliability standard titled IRO-006-WECC -1 Qualified Transfer Path Unscheduled Flow Relief.

### PRC-001-AB-1 Protection System Coordination

8. The purpose of this Reliability Standard is to ensure protection systems are coordinated among operating entities
9. This new Reliability Standard is based on the FERC approved NERC reliability standard titled PRC-001-1 System Protection Coordination.

## Updated Glossary

10. The following new terms are proposed for inclusion in the Alberta Reliability Standards Glossary of Terms:
  - a) contributing schedule
  - b) qualified controllable device
  - c) qualified transfer path
  - d) relief requirement
  - e) sink balancing authority area
  - f) source balancing authority area
  - g) transfer distribution factor
  - h) transmission system

## Attachments to Notice of Filing

11. Please find the following attached to this Notice of Filing:
  - a) The [Letter of Notice](#) that was sent to market participants that the AESO considers likely to be affected by these changes and that was posted on the AESO web site on August 13, 2009. In this letter, the AESO sought feedback from stakeholders;



- b) The [Stakeholder Comments on Letter of Notice](#) letter (posted September 17, 2009) with written comments received, the name of market participants that submitted each comment in response to the Letter of Notice and the date on which the comment was submitted;
- c) The [Final Recommendation of Reliability Standards](#) letter (posted on November 16, 2009) with the AESO's reply to comments received;
- d) The [Revised Final Recommended Reliability Standards](#) Letter (posted on November 18, 2009) with the AESO's revised reply to comments received;
- e) Copies of the following filed Reliability Standards, comparison documents and Updated Glossary:
  - i) [IRO-006-WECC-AB-1](#) (clean);
  - ii) [Comparison Document](#) between IRO-006-WECC -1 and IRO-006-WECC-AB-1;
  - iii) [PRC-001-AB-1](#) (clean);
  - iv) [Comparison Document](#) between PRC-001-1 and PRC-001-AB-1;
  - v) Updated Glossary ([Blacklined](#) and [Clean](#))

Please be advised that certain of the attachments noted above include reference to other ISO Reliability Standards that are not the subject of this filing.

12. Proposed effective dates are as follows:

**IRO-006-WECC-AB-1:** Ten (10) calendar days following approval by the Commission;

**PRC-001-AB-1:** Requirement 1 of this new Reliability Standards is effective Three Hundred and Sixty Five (365) calendar days following approval by the Commission.

Requirement 2 through 9 of this new Reliability Standard are proposed to become effective Ten (10) calendar days following approval by the Commission.



13. The AESO submits that the filed Reliability Standards and Updated Glossary noted above, comply with the requirements of the Transmission Regulation, are not technically deficient, and are in the public interest.

Yours truly,

*<original signed by>*

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Attachments