Market Rule Amendment Proposal Form

Part 1 - Market Rule Information

Identification No.:	MR-00478-R00
Subject:	Corrections to Intertie Flow Limits Amendment
Title:	Corrections to Intertie Flow Limits Amendment
Nature of Proposal:	☒ Alteration ☐ Deletion ☐ Addition
Chapter:	7
Appendix:	N/A
Sections:	Ch 7, Sections 4.4
Sub-sections proposed for amending:	Ch 7, Sections 4.4.4.2, 4.5.1.1
Current Market Rules Baseline:	49.1

Part 2 - Proposal History

Version	Reason for Issuing	Version Date
1.0	Issued for Technical Panel review	September 5, 2023
1.1	Issued for Technical Panel review	September 11, 2023

Approved Amendment Publication Date:

Approved Amendment Effective Date:

Part 3 - Explanation for Proposed Amendment

Provide a brief description that includes some or all of the following points:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

The IESO is proposing to amend the market rules specifying when internal transmission constraints will be considered by the IESO in setting intertie flow limits in order to rectify an inadvertent error in a previous amendment.

Background

On August 24, 2022, the IESO Board approved market rule amendment MR-00468-R00 - Adjustments to Intertie Flow Limits. In error, an earlier draft of the proposed market rule amendment was recommended by the Technical Panel to the IESO Board and subsequently approved and included in the current market rules baseline. The IESO is proposing to amend the market rules to align with the version of MR-00468-R00 that was presented to stakeholders and was intended to be approved by the Technical Panel and IESO Board.

Discussion

Chapter 7

Section 4.4.4.2 - The IESO is proposing to revise the language in this section to reflect the language that was intended to be approved in connection with MR-00468-R00.

Section 4.5.1.1 – The IESO is proposing to revise the language in this section to reflect the language that was intended to be approved in connection with MR-00468-R00 by adding a reference to interties.

Part 4 - Proposed Amendment

Chapter 7

4.4 Inputs to the Dispatch Algorithm

4.4.4 Limits on *intertie* flows between the *integrated power system* and neighbouring *transmission systems* shall be based on:

4.4.4.1 a simple model that assumes that each *intertie meter* is *connected* to an isolated *intertie zone* by a single transmission line;

4.4.4.2   the *IESO's* best estimate of the maximum flow on the single transmission line to each *intertie zone*, given the status of the neighbouring *transmission systems* and expected or actual unscheduled flows (including as unscheduled flows any flows planned by the *IESO* to balance interchange accounts with other *control area operators*). ~~Where the *IESO* has determined that transmission constraints on the *IESO-controlled grid* or on the single transmission line connected to an *intertie zone* limit the flows of *energy* from the *IESO-controlled grid* to or from an *intertie zone,* the~~ The *IESO's* best estimate of the maximum flow on the single transmission line to an *intertie zone* may reflect the *integrated power system's* limited capability to supply and export *energy* to an *intertie zone* and applicable neighbouring *transmission system* without scheduling imported *energy* to supply the exported *energy* ~~include consideration of the amount of *energy* that can be moved or transferred reliably between that *intertie zone* and the *IESO-controlled grid*~~; and

4.4.4.3   a net *interchange schedule* limit to represent the *integrated power system's* ability to respond to hourly *interchange schedule* deviations and maintain the *reliability* of the *IESO-controlled grid*.

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4.5 The Constrained and Unconstrained IESO-Controlled Grids

4.5.1   The *dispatch algorithm* shall be used to determine both operating schedules that reflect the realities of the *integrated power system* and uniform prices within the *IESO control area* that ignore *transmission system* constraints. Thus, the *dispatch algorithm* shall be capable of using the following two different models for the *integrated power system:*

4.5.1.1   an *unconstrained IESO-controlled grid model*, which, other than as set out in Section 4.4.4 of Chapter 7 and Section 7.5.1 of Appendix 7.5, ignores transmission and other *security* constraints on the *IESO-controlled grid* including *interties* and assumes, in effect, that all *physical services* are provided and consumed at a single, undesignated location *connected* to several isolated *intertie zones* by single transmission lines; and

4.5.1.2   a *constrained IESO-controlled grid model*, which includes a full (but necessarily approximate) mathematical representation of the *integrated power system*, with *interconnections* modelled as single transmission lines to isolated *intertie zones* or as proportionately allocated to *intertie zones*.