

Day-Ahead Hourly Intertie Energy LMP Report

Help File

Purpose of the Day-Ahead Hourly Intertie Energy LMP Report

The purpose of the Day-Ahead Hourly Intertie Energy LMP Report is to provide the locational marginal price (LMP) and its components for energy, for each Intertie Pricing Location, after the successful execution and validation of the Day-Ahead Market (DAM) calculation engine run.

Confidentiality Classification

Public

Frequency

Daily

Granularity

Hourly for every Intertie Pricing Location

Description of the Day-Ahead Hourly Intertie Energy LMP Report Fields

Report Field Title	Definition of Report Field Title
Created at	This field indicates the date and time that the report was created. It will be displayed as mmm dd, yyyy hh (24):mm:ss e.g. Jul 09, 2022 01:05:05.
For	This field indicates the dispatch date that the DAM calculation engine is optimizing for. It will be displayed as mmm dd, yyyy.
Intertie Pricing Location	This field will display the Intertie Pricing Location for which the LMP applies.

Report Field Title	Definition of Report Field Title
Intertie LMP & Components	<p>This field will display the components for each Intertie Pricing Location:</p> <ul style="list-style-type: none"> • Intertie LMP • Energy Loss Price • Energy Congestion Price • External Congestion Price • Net Interchange Scheduling Limit (NISL) Price
Day-Ahead Intertie Energy LMP (\$/MWh) for hour	<p>This field will display the LMP and its components for the indicated hour for energy at each Intertie Pricing Location.</p>
Intertie LMP	<p>This field indicates the LMP (Capped) calculation.</p> <p>$LMP (Capped) = \text{Energy Reference Price at Reference Location} + \text{Energy Loss Price} + \text{Energy Congestion Price} + \text{External Congestion Price} + \text{Net Interchange Scheduling Limit (NISL) Price}.$</p>
Energy Loss Price	<p>The Energy Loss Price (Capped) reflects the cost of transmission losses at a given location relative to the Reference Location. It is calculated by multiplying the Marginal Loss Factor by the Energy Reference Price.</p> <p>The Marginal Loss Factor is derived from the transmission losses incurred from meeting one additional MW of load at the location with one additional MW of supply from the Reference Location.</p>
Energy Congestion Price	<p>The Energy Congestion Price (Capped) is the change in incremental cost at any location on the grid, due to transmission congestion between that location and the Reference Location.</p>
External Congestion Price	<p>This is the portion of the locational marginal price that consists of the cumulative congestion costs resulting from the binding import or export transmission limits that affect transactions scheduled at an intertie.</p>
Net Interchange Scheduling Limit (NISL) Price	<p>This field designates the NISL congestion component for the intertie congestion price applicable to each dispatch hour.</p>

Report Field Title	Definition of Report Field Title
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Hour	This field lists out the delivery hour and is denoted as hours 1 to 24 of the day.
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Contact Information

For additional information, please e-mail IESO Customer Relations at customer.relations@ieso.ca.

A Help File has been prepared for this report to provide the reader a brief overview on the report. The Help File will also outline what the purpose of the report is, the publication frequency of the report, how the report can be accessed, and a description of the report fields. Users of the Help File are reminded that that they remain responsible for complying with all of their obligations under the market rules and associated policies, standards and procedures relating to the subject matter of this Help File, even if such obligations are not specifically referred to herein. While every effort has been made to ensure that any extracts from the market rules or other documents in this Help File are accurate and up to date, users must be aware that the specific provisions of the market rules or particular document posted on the web site of Ontario's Independent Electricity System Operator shall govern.