

# Predispatch Hourly Intertie Energy LMP Report

## Help File

### Purpose of the Predispatch Hourly Intertie Energy LMP Report

The purpose of the Predispatch 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 of the pre-dispatch calculation engine.

### Confidentiality Classification

Public

### Frequency

Hourly

### Granularity

Hourly for every Intertie Pricing Location

### Description of the Predispatch Hourly Intertie Energy LMP Report Fields

Report Field Title	Definition of Report Field Title
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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.
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For (Valid Dispatch Date)	This field indicates the dispatch date that the pre-dispatch calculation engine is optimizing for. It will be displayed as mmm dd, yyyy.
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Intertie Pricing Location	This field will indicate the Intertie Pricing Location for which the LMP applies.
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Report Field Title	Definition of Report Field Title
Intertie LMP & Components	<p>This field indicates the LMP and its components (Energy Losses, Energy Congestion, External Congestion and Net Interchange Scheduling Limit).</p> <p>Components for Intertie Pricing Location:</p> <ul style="list-style-type: none"> <li>• Intertie LMP</li> <li>• Energy Loss Price</li> <li>• Energy Congestion Price</li> <li>• External Congestion Price</li> <li>• Net Interchange Scheduling Limit (NISL) Price</li> </ul>
Predispatch Intertie Energy LMP (\$/MWh) for hour	This field indicates the LMP and its components for the indicated hour that the energy is for at the specified Intertie Pricing Location.
Intertie LMP	$LMP \text{ (Capped)} = \text{Energy Reference Price at Reference Location} + \text{Energy Loss Price} + \text{Energy Congestion Price} + \text{External Congestion Price} + \text{Net Interchange Scheduling Limit (NISL) Price}.$
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	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.
External Congestion Price	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.
Net Interchange Scheduling Limit (NISL) Price	Designates the net interchange scheduling limit congestion component for the intertie congestion price applicable to each dispatch hour.

Report Field Title	Definition of Report Field Title
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Hour	This field lists out the hour for which the data applies 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](mailto: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.