

Realtime 5-min Intertie Energy LMP Report

Help File

Purpose of the Realtime 5-min Intertie Energy LMP Report

The Realtime 5-min Intertie Energy LMP Report contains the locational marginal price (LMP) and its components for energy at each Intertie Pricing Location, after the successful run and execution of the real-time (RT) calculation engine.

Confidentiality Classification

Public

Frequency

Every 5 minutes

Granularity

Every 5-minutes for every Intertie Pricing Location

Description of the Realtime 5-min 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.
For (Valid Dispatch Date)	This field will indicate the date and hour for which this data applies. It will be displayed as mmm dd, yyyy – Hour 1-24.

Report Field Title	Definition of Report Field Title
Intertie Pricing Location	This field will indicate the Intertie Pricing Location for which the LMP applies.
Intertie LMP & Components	<p>This field indicates 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
Real-time Intertie Energy LMP (\$/MWh) for interval	This field will indicate the LMP and its components for the associated interval for energy at the specified Intertie Pricing Location.
Intertie LMP	Intertie LMP (Capped) = Energy Reference Price at Reference Location + Energy Loss Price + Energy Congestion Price + External Congestion Price + 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	This amount is the proportion 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	This field indicates the net interchange scheduling limit congestion component for the intertie congestion price that is applicable to each dispatch hour.

Report Field Title	Definition of Report Field Title
Interval	These are the 12 5-minute intervals of the hour. This represents the interval for which the data is applicable.

Important Items to note when reading the Real-time 5-min Intertie Energy LMP Report

A value shown in **red** indicates the value is administered either due to a tools problem in real-time or through ex-post administrative pricing.

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.