

Predispatch Hourly Virtual Zonal Energy Price Report

Help File

Purpose of the Predispatch Hourly Virtual Zonal Energy Price Report

The purpose of the Predispatch Hourly Virtual Zonal Energy Price Report is to provide the hourly virtual zonal price for energy and its components for all nine virtual transaction zones after the successful run and execution of the pre-dispatch calculation engine.

Confidentiality Classification

Public

Frequency

Hourly for all nine virtual transaction zones

Granularity

Hourly for each virtual transaction zone

Description of the Predispatch Hourly Virtual Zonal Energy Price 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 indicates the dispatch date that the pre-dispatch calculation engine is optimizing for. It will be displayed as mmm dd, yyyy.
Virtual Transaction Zones	This field will indicate the pricing location of the virtual transaction zone. It will be one of the nine virtual transaction zones.

Report Field Title	Definition of Report Field Title
Zonal Energy Price & Components	<p>This field lists the virtual zonal price and its components:</p> <ul style="list-style-type: none"> • Zonal Price • Energy Loss Price • Energy Congestion Price
Predispatch Virtual Zonal Energy Price (\$/MWh) for hour	<p>This field indicates the zonal price and components for the indicated hour that the energy is dispatch for at the associated virtual transaction zone.</p>
Zonal Price	<p>Zonal Price (Capped) = Energy Reference Price at Reference Location + Energy Loss Price + Energy Congestion Price</p> <p>The virtual zonal energy price for an hour will be calculated as the sum of the hourly reference price, the load distribution-weighted loss component within the zone, and the load distribution-weighted congestion component within the zone.</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>
Hour	<p>This field lists out the hour for which the data applies to and is denoted as hours 1 to 24 of the day.</p>

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.