Realtime 5-min Virtual Zonal Energy Price Report

Help File

Purpose of the Real-Time 5-min Virtual Zonal Energy Price Report

The purpose of the Real-Time 5-min Virtual Zonal Energy Price Report is to provide the 5-minute zonal price for energy and its components for all the nine virtual transaction zones after the successful run and execution of the real-time calculation engine.

Confidentiality Classification

Public

Frequency

Every 5 minutes

Granularity

Every 5-minutes for all nine virtual transaction zones

Description of the Real-time 5-min 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 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
Virtual Transaction Zone	This field indicates (in alphabetical order) the virtual transaction zone where the pricing location point is located.
Zonal Energy Price & Components	This field indicates the Virtual Zonal Price and its components: • Zonal Price • Energy Loss Price • Energy Congestion Price
Real-time Zonal Energy Price ($/MWh) for interval	This field indicates the zonal price and its components for the indicated interval for energy at the specified virtual transaction zone.
Zonal Price	Zonal Price (Capped) = Energy Reference Price at Reference Location + Energy Loss Price + Energy Congestion Price Virtual zonal energy price will be calculated as the sum of the reference price, the load distribution-weighted loss component within the zone, and the load distribution-weighted congestion component within the zone.
Energy Loss Price	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. 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.
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.
Interval	These are 12 5-minute intervals of the hour and represents the interval for which the data is applicable for.

Important Items to note when reading the Real-time 5-min Virtual Zonal Energy Price 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.