

Realtime Totals Report

Help File

Purpose of the Realtime Totals Report

The Realtime Totals Report contains 5-minute MW totals (total energy, total losses, total load, total dispatchable load, and total operating reserve) scheduled, and the total Ontario Demand.

Confidentiality Classification

Public

Frequency

Every 5 minutes for the current dispatch hour

Granularity

5-minutes

Description of the Realtime Totals 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 trade date that the real-time calculation engine is optimizing for. It will be displayed as mmm dd, yyyy - hh24.
Interval	This field indicates the interval for which the data is applicable.

Report Field Title	Definition of Report Field Title
Total Energy	This field indicates the total energy for each hour dispatched in the system (i.e., Internal Generation + Imports, including the import leg of linked wheels).
Total Loss	This field indicates losses in the system for each hour, computed by the load flow.
Total Load	This field indicates the total system load for each hour, calculated as Total Energy – Total Loss.
Total Dispatchable Load Scheduled OFF	<p>This field indicates the total dispatchable load that has been scheduled "OFF" (i.e. dispatched down) for each hour. For example, if the load is bidding 100 MW and gets dispatched to 90 MW, then 10 MW has been scheduled "OFF".</p> <p>This number represents the system-wide amount of dispatchable load that was dispatched down.</p>
Total 10S Operating Reserve	This field indicates total amount of 10-minute spinning reserve that is scheduled for each hour.
Total 10N Operating Reserve	This field indicates the total amount of 10-minute non-spinning operating reserve that is scheduled for each hour.
Total 30R Operating Reserve	This field indicates the total amount of 30-minute operating reserve that is scheduled for each hour.
Ontario Demand	<p>Total Ontario Demand is calculated as:</p> $\text{Total Energy} + \text{Total Generation Without Offers} - \text{Total Exports} + \text{Total Off Market} \pm \text{Over/Under Generation.}$ <p>Where:</p> <p>Total Energy: the total energy that was dispatched into the IESO-controlled grid, calculated as Ontario generation plus imports.</p> <p>Total Generation Without Offers: the total energy that was injected into the IESO-controlled grid from generators that have not submitted offers.</p> <p>Total Exports: the total energy dispatched outside Ontario from the IESO-controlled grid.</p> <p>Total Off Market: consists of the below types of transactions.</p>

Report Field Title **Definition of Report Field Title**

- Segregated Mode of Operation: the total energy from resources in the IESO-controlled grid that are disconnected from the Ontario system and connected to an interconnected transmission system for a period of time, known as the Segregated Mode of Operation (SMO).
- Emergency: IESO acquires emergency energy to maintain the reliability of the IESO-controlled grid or provides emergency energy to an interconnected transmission system
- Simultaneous Activation of Reserve IESO and other control areas may simultaneously activate their 10-minute operating reserve to address contingency events.
- Inadvertent Interchange: The difference between the scheduled intertie flow and actual intertie flow.

Over/Under Generation: the total energy resulting from over or under generation in the event of differences when the Dispatch Scheduling and Optimization (DSO) tool is balancing supply and demand.

Important Items to note when reading the Realtime Totals 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.

