Energy Market Merit Order Snapshot Metadata

Report Category: Historical

aeso

METADATA

Data Description

The Energy Market Merit Order (EMMO) is the set of offer prices from source and sink assets participating in the energy market. The EMMO is a list of operating blocks sorted by price. This EMMO report provides snapshot information from the AESO's Dispatch Tool taken at a particular point in the given settlement interval. It shows offers from sources and bids from sinks that were available in the energy market for the System Controller to dispatch at the time of the snapshot. Note that each time a market participant updates a bid or offer, a new merit order is generated. This report is meant only as a representation of what was available in the energy market in each settlement interval.

The report is published 60 days after the original flow date and includes a snapshot for each settlement interval in the given day. This is historical data and is accessible under ETS->Reports-Historical->Trading. Due to the quantity of data involved, only a single day can be reported at a time. The snapshot data is available from September 1, 2009. Prior to September 1, 2014, the snapshot was taken at the mid-point of the interval. After September 1, 2014, the snapshot has been taken at the end of the settlement interval.

Data Attribute/Dimension				
List of Attributes	**Data/Types**	**Description**	**Units**	**Comments**
Date	Date	Flow date of the energy	mm/dd/yyyy	Procurement date
Hour Ending	Integer	End of the flow hour in MPT. Can be 01 to 24, with 02* used for the extra hour when time zone changes from MDT to MST.	HH	
Import/Export	String	I' for import, 'E' for export and NULL for all other assets		
Asset Short Name Identifier	String	Abbreviation of asset name.		
Block Number	Numeric	Block number from 0 to 6		
Price	Numeric	Offer or bid price ($/MWh) for each offer block. Valid values are 0 to 999.99	($/MWh)	CAD
From	Numeric	Asset's cumulative MW to the end of the prior block	(MW)	
To	Numeric	Asset's cumulative MW to the end of the current block	(MW)	
Size	Numeric	Block size (MW)	(MW)	
Available MW	Numeric	Available MW for the System Controller to dispatch	(MW)	
Dispatched MW indicator	String	Is current block dispatched – either "Y" or "N"	"Y" or "N"	
Dispatched MW	Numeric	Dispatched MW	(MW)	

Data Attribute/Dimension				
Flexible?	String	Flexible block indicator: - either "Y" or "N" - 'Y' indicates that the System Controller is able to partially dispatch the block, - 'N' indicates they are not	"Y" or "N"	
Offer Control	String	Market participant(s) that control the offer, multiple parties are separated by by a semicolon		
Effective Date/Time	Datetime	Date/Time the snapshot data was created by the Dispatch Tool	(mm/dd/yyyy hh:mi)	

Business Rules/ Retrieval

- This is classified as a **critical** report and is rrequired to be investigated immediately (day or night) if it is not accurate or available
- The report is published 60 days after the date of the snapshot (i.e. published on a 60 day delayed basis, snapshot on the half hour) and will capture one snapshot for each settlement interval in the given day
- The snapshot is the merit order that was valid at the end of the settlement interval. The time of the merit order creation is dependent on the last time a market participant modified something in the merit order or is an automatic merit order created at the beginning of the settlement interval.

Origin/Source

- This report is a snapshot of the System Controllers' Dispatch Tool taken at the end of the settlement interval
- Originating source business area: System Controller.

Ownership/Custodian

- info@aeso.ca

Data Quality

- Unique – Yes
- Accurate - Yes
- Complete - Yes
- Consistent - Yes
- Timeliness - Yes

Availability

- Data is only available from Sep/01/2009
- Available in HTML and CSV.

References

- Energy Market Division ISO Rules, Section 203.2.

Legal

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