

# System Marginal Price Metadata

Report Category: Historical



## METADATA

### Data Description

System marginal price (SMP) represents the price of electric energy in each minute. During normal operating conditions, SMP is defined as the offer price of the most expensive offer block which would be dispatched to meet 1 additional MW of demand, excluding imports and exports, in each minute. The simple average of the system marginal price over the sixty minutes in a settlement interval is the Pool Price. A new SMP is only published when it changes.

When supply shortfall conditions require system controllers to shed firm load during Energy Emergency Alert-3 events, SMP is set at \$1000/MWh. For generation supply surplus events, price is set at \$0/MWh. When the ISO declares a state of limited market operations, the system marginal price is determined based on dispatches from the most current and reasonably accurate merit orders available to the ISO.

This public report provides the historical SMP that displays SMP over a user-specified period. This report contains the time the SMP was published, and the offered price of the block that set the SMP. All Bid data is displayed in red text. All Offer data is displayed in black text.

Data Attribute/Dimension				
List of Attributes	Data/Types	Description	Units	Comments
Date (HE)	Date & Integer	Date & hour-ending (HE) of when SMP was published	mm/dd/yyyy hh	
Time	Time	The time of when the block set the SMP	hh:mm	
Price (\$)	Currency	The offered price of the block that set the SMP	\$ CAD	

### Business Rules/ Retrieval

- This is classified as a critical report and is required to be investigated immediately (day or night) if report is not accurate/available
- All Bid data is displayed in red text
- All Offer data is displayed in black text
- Minimum price is \$0/MWh and Maximum is \$1000/MWh.

### Origin/Source

- Information originates in Dispatch Tool (DT).

### Ownership/Custodian

- [info@aeso.ca](mailto:info@aeso.ca)

### Data Quality

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

### Availability

- Only 31 days at a time can be retrieved by the historical report
- Available in HTML and CSV.

### References

- Section 201.6 of the ISO rules, Pricing, subsection 3(1)(a)
- Section 201.6 of the ISO rules, Pricing, subsection 3(1)(b)
- Section 201.6 of the ISO rules, Pricing, subsection 3(1)(c)
- Section 202.7 of the ISO rules, Markets Suspension or Limited Markets Operations, subsection 4.

### Legal

- Relevant to regulatory constraints: Yes
- Section 201.6 of the ISO rules, *Pricing*, subsection 4
- Section 201.6 of the ISO rules, *Pricing*, subsection 6(1).

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