



# **MISO Real-Time Fuel on the Margin Report Readers' Guide**

**Last Updated:** 28 December, 2015

**Version:** 1.0

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## 1 Disclaimer

The data provided in this Readers' Guide is provided for informational purposes only and does not contain information related to the settlement of the MISO's Energy Markets and shall not be relied upon for such purpose. Any party relying on the data provided in this report is doing so at its own risk. The MISO shall not be liable for any consequences or damages to any party relying on the data provided herein.

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## 2 Introduction

The document provides an explanation or Readers' Guide to understanding the MISO Real-Time Marginal Fuel Report. For questions or comments regarding the report please contact Client Relations at 866-296-6476 (Monday-Friday, 8 a.m. – 5 p.m. ET) or email at [clientrelations@misoenergy.org](mailto:clientrelations@misoenergy.org).

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## 3 Report

### 3.1 Description

The Real-Time Fuel on the Margin Report is designed to provide Real-Time Marginal Units' Fuel information by region for each 5 minute interval of the market day. Marginal unit (generator) is the unit that would be dispatched to serve the next 1 MW of energy and would set the price in a dynamically defined area. This data is available for the prior Market day.

### 3.2 Report Availability Time

The report is produced 7 days a week, 365 days a year, and is posted publicly by 8:00 AM Eastern Standard Time every day in Microsoft Excel format.

The report is posted to Market Reports area of the MISO website: [MISO internet site](#).

To locate the data files, choose "Real-Time" in the Report Type dropdown box, enter "Fuel on the Margin" in the Report Name field, and date in the Publish Date field, and click on the search button. The list of historical files will show in the results.

### 3.3 How to use this Report

The guide includes an example of Real-Time Fuel on the Margin Report in tabular format in the Report Layout section of the document. The column and row headers are defined in the Data Definitions section of the document.

### 3.4 Report Layout

Figure 1 - Report Example

Fuel on the Margin Report (Real-Time)

Market Date: 2015-10-11

Publish Date: 2015-10-12

Hour Ending	Time Interval EST	Peak Flag	Region Name	Fuel Type	Unit Count
1	10/11/2015 12:00:00 AM	Off-Peak	Central	COAL	1
1	10/11/2015 12:00:00 AM	Off-Peak	North	COAL	1
1	10/11/2015 12:00:00 AM	Off-Peak	North	WIND	4
1	10/11/2015 12:00:00 AM	Off-Peak	South	COAL	1
1	10/11/2015 12:05:00 AM	Off-Peak	Central	COAL	1
1	10/11/2015 12:05:00 AM	Off-Peak	North	COAL	1
1	10/11/2015 12:05:00 AM	Off-Peak	North	WIND	5
1	10/11/2015 12:05:00 AM	Off-Peak	South	COAL	1
1	10/11/2015 12:10:00 AM	Off-Peak	Central	COAL	1
1	10/11/2015 12:10:00 AM	Off-Peak	North	WIND	4
1	10/11/2015 12:10:00 AM	Off-Peak	South	COAL	1
1	10/11/2015 12:15:00 AM	Off-Peak	Central	GAS	1
1	10/11/2015 12:15:00 AM	Off-Peak	North	WIND	4

Figure 2 - Columns and Rows

### 3.5 Data Definitions - Real-Time State Estimator Generation Fuel Mix

Column Name	Definition / Description / Calculation
Hour Ending	The Market Hour Ending number (1-24)
Time Interval EST	The five minute time interval in EST
Peak Flag	The Peak / Off-Peak indicator
Region Name	The MISO region (Central, North, South)
Fuel Type	Fuel type category of the unit (generator) setting the margin: Wind, Nuclear, Hydro, Coal (also includes Coal / Gas), and Gas (also includes Oil / Gas). All other fuel types get grouped into the 'Other' category
Unit Count	The number of distinct units that were on the margin during the 5 minute interval

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## 4 References

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- BPM 002 - [Energy and Operating Reserve Markets](#)
- BPM 003 - [Energy Markets Instruments](#)

## 5 Revision History

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Version	Date	Description
1.0	12-01-2015	Initial Draft