



Market Monitoring Unit

CATEGORIES OF DATA COLLECTED BY THE MARKET MONITORING UNIT

**Market Monitoring Unit
PJM Interconnection, L.L.C.**

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Introduction

The PJM Market Monitoring Plan provides that: “The Market Monitoring Unit shall make publicly available a detailed description of the categories of data collected by the Market Monitoring Unit.” This document was prepared pursuant to that requirement.

PJM creates and collects a variety of data which is accessible to the MMU. The following describes the data which is used by the MMU in its analyses of PJM markets.

1. PJM LMPs.
 - a. Bus specific prices;
 - b. PJM load weighted prices;
 - c. Zonal load weighted prices;
 - d. Aggregate load weighted prices.
2. PJM loads.
 - a. Bus specific loads;
 - b. PJM loads;
 - c. Zonal loads;
 - d. Aggregate loads.
3. PJM generation.
 - a. Generation by bus;
 - b. Generation for PJM;
 - c. Generation by aggregate;
 - d. Generation by zone.
4. Active transmission constraints.
 - a. Constrained facility;
 - b. Contingency facility;
 - c. Constraint start time;
 - d. Constraint end time.
5. PJM energy offered volumes.
 - a. Total generation bid;
 - b. Total generation self scheduled;
 - c. Total bilateral contract MW;
 - d. Total spot market MW;
 - e. Imports and exports.

6. Comparative prices and loads for surrounding power markets.
 - a. Real time prices;
 - b. Forward prices;
 - c. Loads;
 - d. Net imports/exports.

7. Offers and dispatch for day ahead and real time markets.
 - a. Unit offer/supply curves;
 - b. Company aggregate offer/supply curves;
 - c. Deviations from requested dispatch, by unit;
 - d. Ramp rates by unit, by time period, by company.
 - e. Conditions on offers: start times; minimum run requirements; start costs;
 - f. Increment bids;
 - g. Decrement bids;
 - h. Price sensitive demand bids;
 - i. Fixed demand bids.

8. Fuel costs.

9. Capacity data.
 - a. Total capacity resources;
 - b. Capacity ratings;
 - c. Total available capacity;
 - d. Outage status by unit;
 - e. Frequency of outages, by type, by unit, by time period;
 - f. Comparisons of outages across units;
 - g. Company summary outage frequency.

10. Capacity market data.
 - a. Prices;
 - b. Quantities;
 - c. Bids;
 - d. Offers;
 - e. Transactions;
 - f. Penalty charges;
 - g. Obligations;
 - h. Net position;
 - i. ALM.

11. Market Structure.
 - a. Ownership in energy market;
 - b. Ownership in capacity market;
 - c. Ownership in regulation market;
 - d. Ownership in spinning reserve market;
 - e. Affiliate relationships.
12. Price-cost margins.
 - a. Unit specific price-cost margins.
13. Transmission contracts.
 - a. Contract quantities;
 - b. Service types;
 - c. Contract paths.
14. Energy contracts.
 - a. Contract quantities;
 - b. Service types;
 - c. Contract paths.
15. Regulation market.
 - a. Bids;
 - b. Price;
 - c. Quantity;
 - d. Transactions;
 - e. Ownership shares.
16. Spinning.
 - a. Condenser bids;
 - b. Condenser costs;
 - c. Condenser credits;
 - d. Total condenser MWs;
 - e. Total spinning requirements.
17. FTR Auction Market.
 - a. Total market volume offered and cleared;
 - b. Total market revenue;
 - c. Average clearing price;
 - d. Path specific revenue and volume;
 - e. Source specific revenue and volume;
 - f. Sink specific revenue and volume.
18. FTR accounting data.