



The real time market applications and various other applications communicate jointly and the most recent information from each application is stored and upon request provides the relevant data to each application. To run the real-time market, data is processed from the markets database and other PJM systems. A dispatch solution is executed automatically every five minutes or when executed by the operator. To calculate the solution, data from multiple sources is used, including but not limited to, data regarding online and available resources, resource offers, forecasted load, scheduled and current interchange, as well as various other input parameters.

Real-time data sources include:

- Load forecast data from EMS
- Constraint data - resource sensitivities from EMS
- State Estimator output from EMS
- Outage data from eDART
- Transaction data from [EESExSchedule](#)

Multiple cases are then produced, with each solution solving the security constrained economic dispatch problem. Each of these solution cases contains:

- A recommended set of zonal dispatch rates
- A list of exceptions to the dispatch rates for constraint control