



PJM Interconnection provides a set of Internet-based software tools that PJM members use to obtain continuous real-time energy data, manage their transactions and make business decisions.

Access to information is critical to the success of markets. For markets to function effectively, the participants need information and the ability to act on it quickly.

PJM provides a number of Internet-based tools that members use to get information in real-time and manage their business transactions.

ExSchedule manages the exchange of bulk power between PJM and other areas. Market participants can request, evaluate and confirm their external bilateral transactions. This tool can be used to submit to the energy market real-time and day-ahead energy transactions that cross the external borders of PJM.

InSchedule allows market participants to schedule bilateral energy transactions within PJM. It is used by power marketers, load-serving entities and generation owners to submit their internal PJM energy schedule data.

eFTR (Financial Transmission Rights) is used to participate in FTR auctions as well as post FTRs for bilateral trading. FTRs are financial contracts that entitle the holder to a stream of revenues or charges based on the hourly energy price differences across a transmission path in the Day-Ahead Market. The purpose of an FTR is to provide market participants with a hedging mechanism when delivering energy across the PJM system.

Data Viewer enables PJM stakeholders as well as non-registered visitors to view PJM operational and market data graphically. Registered users have the ability to personalize their view, while guests see a set of standardized displays.

eDataFeed eDataFeed lets subscribers select and “stream” selected PJM market and operating data directly to their systems.

eDART (Dispatcher Application and Reporting Tool) is used by transmission and generation owners to electronically exchange operational and planning data with PJM. Transmission and generation owners submit outage and rating information along with other operational data and status reports.

eGADS (Generator Availability Data System) allows generation owners to submit generator outage and performance data required by PJM and the North American Electric Reliability Corp. eGADS information is confidential among the generation owner, PJM and NERC.

Markets Gateway (formerly known as eMKT) allows members to submit information and obtain data needed to conduct business in the Day-Ahead, Regulation and Synchronized Reserve Markets.

eLRS allows PJM members to administer the registration, notification, meter data and settlement process for demand response resources in the PJM markets. Demand resource offers into the PJM wholesale markets are made directly in Markets Gateway for energy and ancillary services and in eRPM for capacity. eLRS is in the process of being replaced with a new tool called DR Hub.

Power Meter calculates market participants’ actual interchange energy amounts to be used for real-time energy market settlements. Transmission and generation owners submit hourly tie and



generator values through Power Meter to be verified and corrected on a next-hour basis.

eRPM enables market participants to submit resource-specific sell offers or buy bids into PJM's Reliability Pricing Model capacity auctions. Participants also can use eRPM to view their auction results.

OASIS (Open Access Same-Time Information System) provides access to transmission services and transmission reservation information. Anyone can request "read-only" access to OASIS to monitor transmission system activity. However, only authorized members and transmission customers can reserve their network firm or nonfirm point-to-point transmission service through OASIS.

Market Settlements Reporting System shows PJM market participants their market settlements reports and monthly PJM billing statements.

eCredit enables members to view their credit position, allocate credit among markets, request credit refunds and view credit reports.

Voting facilitates voting at Markets and Reliability Committee and Members Committee meetings. The application helps streamline quorum establishment, vote tallying and reporting. It allows both on-site and remote meeting attendees to cast votes for agenda items presented to the membership for voting.

Emergency Procedures provides information about important and/or emergency events as they occur. Examples include hot weather alerts, transmission loading relief procedures and minimum generation events.

The **Member Community** enables members to find answers to their questions, get the information

they need when they need it, as well as submit requests or issues to PJM knowledge managers.

Other tools include **Data Miner**, which provides a method to find specific public information, such as historical locational margin pricing data, through the PJM website; **Gas Pipeline**, which monitors and displays critical notifications about the interstate natural gas pipelines that supply natural gas to generators; and **Resource Tracker**, which provides generation owners a single view of generator ownership information as recorded across various PJM applications.

A number of the online tools, including OASIS, ExSchedule, InSchedule, Markets Gateway, eMTR, Data Viewer, eFTR, eRPM, eLRS, eCredit, Voting and Market Settlements Reporting System, are grouped together so that an authorized user can access these tools with a single user ID and password that the member company controls.

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