DR Hub, Power Meter, InSchedule and Billing Line Item Transfer Roadmaps

As of January 18, 2022

- Added Train DR Hub maintenance releases on February 1
- Added Production DR Hub maintenance release for February 17
- Added timeline for Public Key Infrastructure (PKI) implementation

Product - Action Required	Deadline	Who May Be Affected
DR Hub Maintenance Release for Train – no action required	**February 1** **3 p.m. to 5 p.m.**	Outage to UI and browserless for DR Hub users
DR Hub Maintenance Release for Production – no action required	**February 17** **3 p.m. to 5 p.m.**	Outage to UI and browserless for DR Hub users

2022											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
DR Hub Train	◆ Feb 1			Quarterly Release ◆			Quarterly Release ◆			Quarterly Release	◆
DR Hub Production	◆ Feb 17			Quarterly Release ◆			Quarterly Release ◆			Quarterly Release	◆
Power Meter											
InSchedule											
Billing Line Item Transfer											

Legend
- ● Start Date
- ◆ End Date

- ## DR Hub January/February 2022 Release
  - Maintenance Release.
    - Maintenance – Internal bug fixes and housekeeping items related to recent framework and platform upgrades

Additional information on new changes available at the Demand Response Subcommittee (DRS).

- PJM has begun implementing API Two-Factor Authentication for PJM tools.

- The current timeline is as follows

Product	Train	Production
InSchedule	January 6 at 4 p.m.	February 23 at 4 p.m.
Power Meter	January 6 at 4 p.m.	February 23 at 4 p.m.
FTR Center	January 13 at 4 p.m.	February 23 at 4 p.m.
DR Hub	January 20 at 4 p.m.	March 2 at 4 p.m.
Capacity Exchange	January 13 at 4 p.m.	March 16 at 4 p.m.
MSRS	January 20 at 4 p.m.	March 23 at 4 p.m.
Markets Gateway	January 18 at 4 p.m.	March 30 at 4 p.m.

- PKI Reference Materials:
  - PKI Certificates and Two-Step Verification Browserless/API FAQs
  - PKI Authentication Guide
  - Exporting public keys

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Product Details

[DR Hub](#) allows PJM members to administer the registration, notification, meter data and settlement process for Demand Response resources in the PJM markets.

<u>Key Product Features</u>

- User Interface that allows CSP's, EDC's and LSE's to manage tasks, create/ manage locations, registrations and settlements
- Web Services that allows many of the same UI features and includes a polling mechanism for Events

[Power Meter](#) calculates a market participant's actual interchange energy amounts to be used for real-time energy market settlements. Transmission and generation owners submit hourly tie and generator values to be verified and corrected on a next-hour basis.

Key Product Features

- User Interface that allows users to set up meter accounts and manage data submissions and corrections

- Web Services that allows users to upload meter data

InSchedule is a tool used by power marketers, load serving entities and generation owners in PJM to submit their internal PJM energy schedule data. All PJM internal transactions, including load and generation interchange adjustment modeling and implicit internal Spot Market schedules are handled through InSchedule.

Key Product Features

- Allows participants to submit internal PJM energy schedule data

The [Billing Line Item Transfer](#) tool replaces the current paper process completed with the Declaration of Authority form, allowing users to easily create billing line item transfers online. This tool may be used by PJM participants who want to transfer charges and/or credits to other organizations through their billing. Transfers are created by one party and approved by another party to complete the transfer process.

Key Product Features

- Allows participants to transfer charges and/or credits to other organizations though their billing