

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

As of December 15, 2020

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- Rescheduled releases
 - DR Hub Train release rescheduled to December 7
 - DR Hub Production release rescheduled to December 15
 - Power Meter Train release rescheduled to January 6
 - Power Meter Production release rescheduled to January 6
 - DR Hub SSO agent release rescheduled to January 7
 - Power Meter and Billing Line Item Transfer agent release rescheduled to January 14



Impact Details - DR Hub

Product - Action Required	Deadline	Who May Be Affected
DR Hub (Train)— additional MOPR changes effective for the 2021/2022 Delivery Year. No actions necessary.	December 7 2 p.m. to 4 p.m.	Outage to UI and browserless for DR Hub users
DR Hub (Production) – additional MOPR changes effective for the 2021/2022 Delivery Year. No actions necessary.	December 15 2 p.m. to 4 p.m.	Outage to UI and browserless for DR Hub users









Impact Details - Power Meter

Product - Action Required	Deadline	Who May Be Affected
Power Meter Framework upgrade to Train. No action is necessary	January 6 4:30 p.m. to 6 p.m.	Outage to UI and browserless for Power Meter users
Power Meter Framework upgrade to Production. No action is necessary	January 6 5 p.m. to 6 p.m.	Outage to UI and browserless for Power Meter users









Impact Details – Agent Upgrades

Product - Action Required	Deadline	Who May Be Affected
Power Meter and BLIT SSO agent upgrade. Please upgrade your PJM Command Line Interface to v1.5.0 or make sure http port 80 is open for sso.pjm.com	January 14 5 p.m. to 10 p.m.	Outage to UI and browserless for Power Meter and BLIT users
DR Hub SSO agent upgrade. Please upgrade your PJM Command Line Interface to v1.5.0 or make sure http port 80 is open for sso.pjm.com	January 7 4 p.m. to 8 p.m.	Outage to UI and browserless for DR Hub users









Impact Details - esuite.pjm.com

Product - Action Required	Deadline	Who May Be Affected
esuite.pjm.com and esuitetrain.pjm.com will be re-directed to Tools Home. Please change bookmarks and any programs using esuite.pjm.com or esuitetrain.pjm.com	January 7 5:00 p.m.	Users logging into MSRS, eCredit, eDart, and eGADS.









2020-2021 Roadmap DR Hub, Power Meter, InSchedule, and BLIT

		2020			2021							
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
DR Hub Train	MOPR Rele	ease 2 – Dec	7					Quarterly Rele	ease 🖕		Quarterly	Release 🔷
DR Hub Production	MOPR Rele	ase 2 – Dec	15	SSO A	gent upgrad	e Jan 7		Quarterly Re	lease 🔶		Quarterly	Release 🔶
Power Meter	Framewo	ork update –	Train and P			upgrade Jan	14					
InSchedule												
Billing Line Item Transfer				•	SSO Age	nt upgrade J	lan 14					







eSuite

2020-2021 Roadmap eSuite

	2020						2021				
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	suite.pjm.com affic January 7		•	esuite.pjm.c	om: Retireme 2021	nt					

Legend
Start Date
End Date





DR Hub Release Details - MOPR Changes

- Changes are being made to DR Hub to support the MOPR for Delivery Year 2021/2022.
 - Enhancement to allow CSPs to view MOPR Registry data for their confirmed registrations.
- Release schedule:
 - Train Tuesday, December 7 from 2:00 p.m. to 4:00 p.m. Changes were effective at 4:00 p.m.
 - Production Thursday, December 15 from 2:00 p.m. to 4:00 p.m. Changes are effective at 4:00 p.m.

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

Impact	Action Required	Outage
User Interface	None	30 minutes
Browser-less	None	30 minutes

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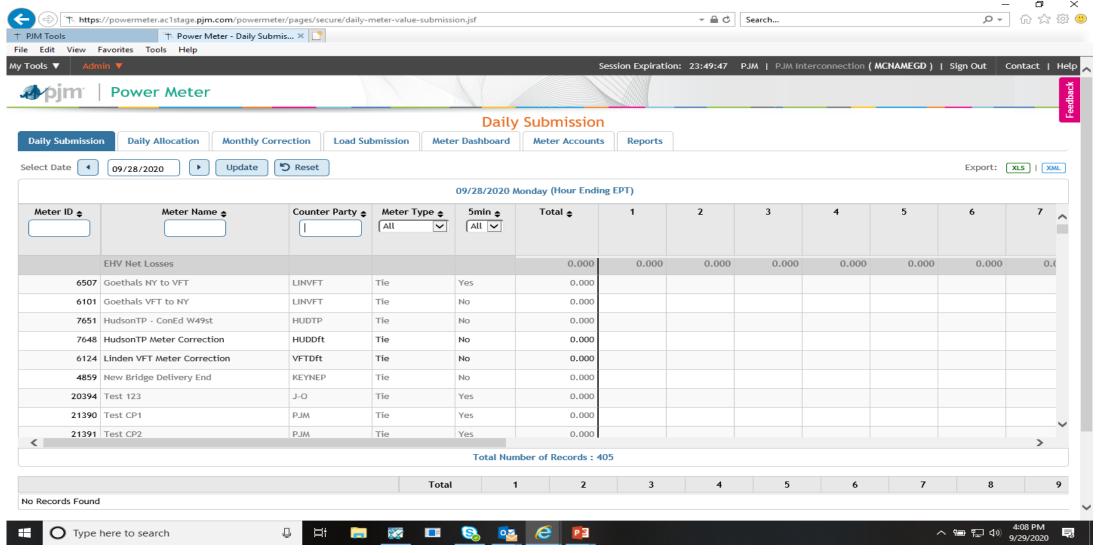


- Upgrade application framework
 - No new application functionality.
- Styling will be different as demonstrated at the June Tech Change Forum.
- Caching will automatically refresh (instead of using CTL+F5)
- Train Release Wednesday, January 6, 2021 starting at 4:30 p.m. to 6:00 p.m. Changes are effective by 6:00 p.m.
- Production Release Wednesday, January 6, 2021 starting at 5:00 p.m. to 6:00 p.m. Changes are effective by 6:00 p.m.

Impact	Action Required	Outage
User Interface	None	30 minutes
Browser-less	None	30 minutes



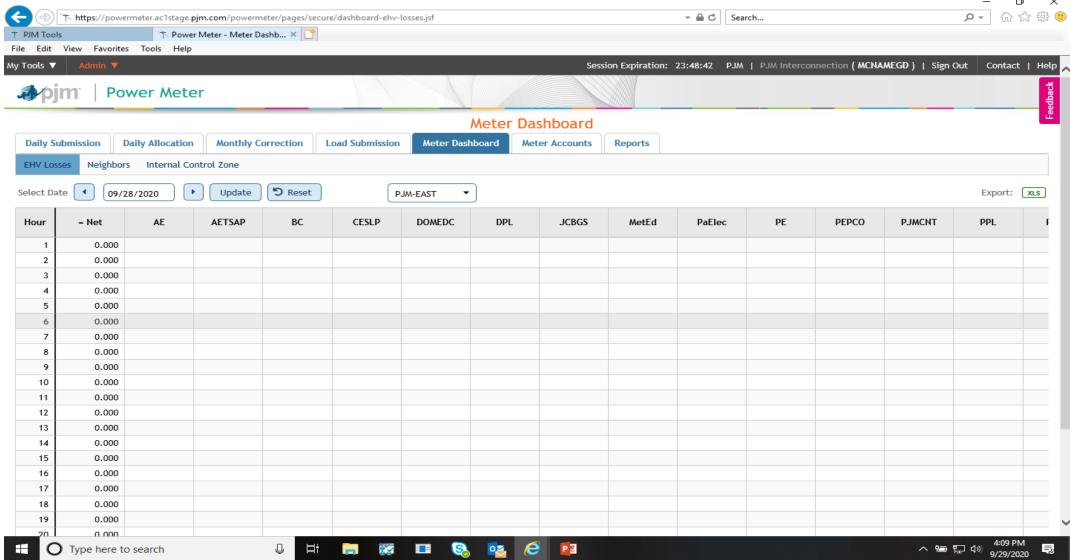
Power Meter Screen Sample 1



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Power Meter Screen Sample 2





- SSO agent upgrade
 - Billing Line Item Transfer and Power Meter Thursday, January
 14, 2021, 5:00 p.m. to 10:00 p.m. Changes effective at 10:00 p.m.
 - DR Hub Thursday, January 7, 2021, 4:00 p.m. to 8:00 p.m.
 Changes effective at 8:00 p.m.
 - There will be a 5 minute outage to each application
- Users will need to do one of the following:
 - Upgrade the Command Line Interface (CLI) to v1.5.0
 - Open http port 80 to sso.pjm.com if you are unable to upgrade to the new CLI.



- Traffic will be re-directed from eSuite to Tools Home on January
 7, 2021 effective at 5:00 p.m.
- Links for MSRS and eCredit have been moved to the Tools
 Home page as of November 30, 2020 in Train and Production.
- Links for eDart and eGADS can be found under their respective home pages on PJM.com.
- Please change all bookmarks to use tools.pjm.com and toolstrain.pjm.com.
- esuite.pjm.com and esuitetrain.pjm.com will be retired on January 31, 2021.



Product Details

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

Key Product Features

- 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



<u>Power Meter</u> 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



Billing Line Item Transfer (BLIT) Background

The <u>Billing Line Item Transfer</u> 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