

# Data Miner Roadmap

### As of August 16, 2022

www.pjm.com | Public

PJM©2022





- Updated Roadmap and Impact Details Slides
- Added Information on Instantaneous Load feed update



## **Impact Details**

Product - Action Required	Deadline	Who May Be Affected
Survey regarding Instantaneous Load Feed Timestamps	August 26 4:00 p.m.	Data Miner users
Production Release 22.09	September 29 4.00 p.m.	Data Miner users
Production Release 22.10	October 27 4.00 p.m.	Data Miner users
$\sim$	I	I



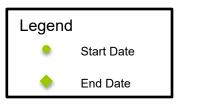






### 2022 Roadmap for Data Miner

	2022											
	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Release 22.09									Sep 29			
Release 22.10										<b>Oct. 27</b>		
Release 22.11											TBD	



Release Notes: <u>http://www.pjm.com/markets-and-operations/etools/data-miner-2.aspx</u>





#### Instantaneous Load Change

During the August release, PJM implemented a change in Data Miner to use a different source for instantaneous load values.

Data timestamps from the new source no longer aligned to five minute intervals as they had prior to the change.

The timestamp change was not apparent prior to the July Tech Change Forum meeting. The change was also not noted in the release notes. PJM apologizes for the impact this change had on the user community. PJM will examine internal processes for improvements to prevent similar issues in the future.

PJM considered rolling back the change to the instantaneous load feed. Given the time that has elapsed since this release, we do not wish to impact users with another significant change without prior notice and communication. As a result, we will not be making any changes to the timestamps *at this time*.

PJM is soliciting users for input on whether they prefer keep the current timestamp format or change timestamps to align on even five minute intervals. Please respond to the <u>survey</u> by August 26th



### Data Miner Instantaneous Load Time Stamp Survey

On Aug. 2, 2022, PJM implemented a change to the data source for the instantaneous load feed in Data Miner. This change had an unintended impact of altering the nature of the time stamps compared to the prior data. Previously, the timestamps were aligned on the five-minute marks. After the change, the time stamps tend to be on four-minute marks (04, 09, 14, etc.) with a variable number of seconds. Would you prefer the data was aligned to even five-minute time stamps?

• <u>Survey</u> (complete by August 26)





Facilitator: Todd Keech, Todd.Keech@pjm.com Secretary: Risa Holland, Risa.Holland@pjm.com **Presenter:** Swapna Kanury, <u>Swapna.Kanury@pjm.com</u> SME:

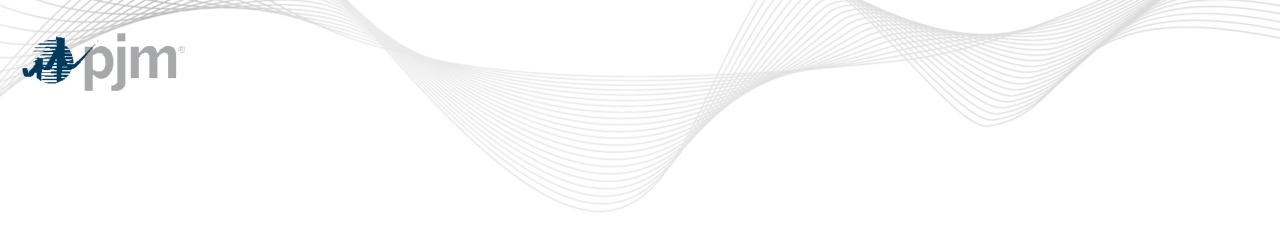
Data Miner Support, dataminer2support@pjm.com

**Data Miner Roadmap** 



Member Hotline (610) 666 – 8980 (866) 400 – 8980 custsvc@pjm.com





## **Product Details**

www.pjm.com | Public



Background

Data Miner is the central data repository and interface for PJM public data.

## **Key Product Features**

- Unified / highly available interface for all PJM public data
- APIs available for system to system integrations
- Metadata available
- Large Data Export feature available. Download limits are as follows: UI – Up to one million rows. API – Up to 50K Rows per fetch



**Special Note** 

PJM is referring to Data Miner 2 as simply "Data Miner". This change is being made incrementally across various tools, documentation, and pjm.com. This is simply a change for convenience.

No technical changes are required. (For example, URLs remain unchanged)



### eDataFeed Migration Highlights

- eDataFeed migration to Data Miner
  - eDataFeed data streams will be available in Data Miner from June 26, 2020 onwards. The API Guide will be updated to reflect the API short names and attributes
  - Release notes will have additional information such as the feed names and descriptions
  - Data for these feeds will be available on UI and API
  - All feeds are made available in the beta (train) environment from June 12 onwards for testing purposes.
    Please note the data in stage is only for testing purposes and not production quality data.
  - eDataFeed will tentatively retire on June 26, 2021
  - Final feed list and mapping of eDataFeed to Data Miner feeds is available on the tools page

### **Information Sources**



- API Portal Issues tab migrated to ulletTech Change Forum Community
- View Data Miner Issues/Topics on ulletTech Change Forum Community

 , Projector   Timesheet 📃 M2M 🗼 Salesforce - Test 🗋 basics.pdf 🗋 setup.pdf 🗋 deploy_sandboxe	чно — — — — — — — — — — — — — — — — — — —		and and the set of the set set and the set of the set o	ere 🔒 enancy
Top Questions 👻		Ŧ	✓ Following	
Where is the five minute verified RT LMP data available for testing	purpos	es?	_	
Data Miner · Swapna Kanury · January 8, 2018 at 11:45 AM (@ 1	5 💼 0	<b>@</b> 2	Community Usage Guidelines	
hrl load metered latency			Trending Articles	
Data Miner · Swapna Kanury · Just now 💿	1 💼 0	@ 1	Trending Articles	
Hourly Real-Time & Day-Ahead LMP Monthly files equivalent API			Demand Response - Ancillary Service Markets Mandatory Training Requirements	
Data Miner · Swapna Kanury · 2m ago 💿	2 🔟 0	<u>መ</u> ት 1	Demand Response (DR) Information	
data lag in 7day load forecast through dataminer2 vs. web table po Data Miner · Swapna Kanury · 5m ago		<b>@</b> 1	INTERNAL ONLY: Generation Transfer Process Guidelines	
Generation Fuel Mix Data Miner · Swapna Kanury · 21m ago	2 1110 0	@1	Internal Only: Capacity Performance: Hot Weather Alert and Performance Assessment Hour Talking Points	
hrl_load_prelim - missing data Data Miner · Swapna Kanury · 22m ago 🐵	1 🔟 0	<b>ه</b> 1	Emerging issue - Five minute Settlement Intervals (5- minute settlements)	
Reported historical metered load for total RTO			Related Topics	I
Data Miner · Swapna Kanury · 24m ago	2 🔟 0	n 1	Intraday Offers 0	)
Inaccurate versioning of RT data (rt_hrl_Imps) Data Miner · Swapna Kanury · 27m ago	2 🔟 0	<b>@</b> 1	Coordinated Transaction Scheduling (CTS)	)
RTO values from wind gen do not match the old file			5-Minute Settlements	)
Data Miner · Swapna Kanury · 48m ago	1 🔟 0	@ 1	Initiatives 0	



### **Recalculation of LMPs - Data Miner Feed Updates**

Data reposted for:

- February 1 February 3
- February 5 February 11
- February 13 February 16

Feed Name	Type of Update	How to obtain the reposted data
Real-Time Five Minute LMPs	New Version	Get new data by filtering Latest Version = true
Real-Time Hourly LMPs	New Version	Get new data by filtering Latest Version = true
Ancillary Services Five Minute LMPs	New Version	Get new data by filtering Latest Version = true
Ancillary Services Hourly LMPs	New Version	Get new data by filtering Latest Version = true
Real Time Marginal Value	Overwrite	Re-run to get refreshed data
Settlements Verified Five Minute LMPs	Overwrite	Re-run to get refreshed data
Settlements Verified Five Minute Ancillary LMPs	Overwrite	Re-run to get refreshed data

All data repostings are complete.