

## Frequently Asked Questions about Data Miner 2

Version: *Dec 18, 2017*

### Q What is Data Miner 2?

**A** Data Miner 2 replaces Data Miner 1 and is PJM's enhanced data management tool, giving members and non-members easier, faster and more reliable access to public data formerly posted on [pjm.com](http://pjm.com). Data Miner 2 features a more robust architecture, offering better performance, increased monitoring of data quality, streamlined development of new data feeds and a user-friendly interface. Users can search and filter data with Data Miner 2 and with a PJM Tools account, and execute automated queries through its application program interfaces (APIs).

### Q What are the main differences between Data Miner 1 and 2?

**A** The first difference is the amount of data available. Data Miner 1 allows users to query locational marginal price (LMP) and Ancillary Services price data. Data Miner 2 has expanded on that vision and will eventually be the home for all publicly posted data. Data Miner 2 has more than 58 different data feeds. The second difference is behind the scenes – Data Miner 2 has been built with a completely new architecture and is a reliable, scalable and robust platform for the future.

### Q What are the benefits to PJM members?

**A** To better accommodate PJM members' need for reliable PJM data, Data Miner 2 expands and refines what was previously available in Data Miner 1. Data Miner 2 allows you to select and retrieve only the data you want to receive, making it easier to release new data feeds, and has a more reliable architecture.

### Q Is there a project timeline for Data Miner 2?

**A** The project timeline is presented at the [PJM Tech Change Forum](#) each month. This timeline will be refined as information becomes available. Some of the important milestones are as follows:

- Go-live – Aug. 15, 2017
- Five-minute locational marginal pricing (LMP) available in Data Miner 2 – **April 1, 2018**
- Retirement of converted feeds from [pjm.com](http://pjm.com) – August 2018 (as communicated, one year after the go-live date)

**Q What will members and stakeholders who currently use Data Miner 1 for market information need to do to prepare for the changes?**

**A** PJM members and other entities that use public markets data will be affected by this enhancement. Members who have written code to retrieve posted information from the Markets and Operations page on [pjm.com](http://pjm.com), as well as from the Data Miner 1 tool, will need to rewrite that code to obtain the same data in the future. Members will need to consider dedicating funding, time and resources to make necessary changes.

**Q Is it true that the Data Miner 2 application and the data presented within are available to members only?**

**A** No. Data Miner 2 is a publicly accessible tool. The data within Data Miner 2 was formerly publicly available on [pjm.com](http://pjm.com), and the tool will remain available to the public.

**Q Do I need a MyPJM account to use Data Miner 2?**

**A** An account is not required to access the Data Miner 2 user interface and the data presented via the user interface. A PJM Tools account is required to access the data via application program interfaces (APIs). Full details can be found in the Data Miner 2 [User Guide](#).

**Q With PJM tools, I use multiple user IDs. Can I do the same with Data Miner 2?**

**A** Data Miner 2 works a little differently than our other tools. For Data Miner 2, the user's email address is tied to a unique subscription key in order to run the application program interface (API). No other user accounts can be tied to that email address. Other PJM tools accounts allow various user accounts to be created with one email address.

**Q Can I use system accounts to have access to Data Miner 2 application program interfaces (APIs)?**

**A** System accounts can be used to obtain access to Data Miner 2 application program interfaces (APIs) as long as there is a valid email address associated with the user ID. Your company account manager (CAM) will need to provision the accounts for traceability purposes.

**Q Will five-minute settlements be supported by Data Miner 2?**

**A** Yes. Data Miner 2 will have Real-Time five-minute locational marginal pricing (LMP) and Ancillary Services prices available for download. PJM will not post this data on [pjm.com](http://pjm.com) as the data volume is too large. Therefore, Data Miner 2 will be the only source for Real-Time five-minute LMP and Ancillary Services price data once five-minute settlements begins on **April 1, 2018**.

**Q Will hourly locational marginal pricing (LMP) files be impacted by five-minute settlements?**

**A** Yes. PJM will discontinue posting hourly LMP files for both the Real-Time and Day-Ahead Energy Markets as well as the Ancillary Services markets on [pjm.com](http://pjm.com) beginning April 1, 2018, when five-minute settlements takes effect. This is true for both daily and monthly Real-Time, Day-Ahead and Ancillary Prices files. The hourly LMP data will be available on Data Miner 2 in addition to the five-minute Real-Time LMPs. Stakeholders should use Data Miner 2 to retrieve this data.

**Q When will the data in Data Miner 2 no longer be available on [pjm.com](http://pjm.com)?**

**A** Most data feeds will be retired from [pjm.com](http://pjm.com) around August 2018. New data will no longer be posted to [pjm.com](http://pjm.com), and the existing history will be removed from [pjm.com](http://pjm.com). Hourly locational marginal pricing (LMP) files for both the Real-Time and Day-Ahead Energy Markets and the Ancillary Service markets will be discontinued on [April 1, 2018](#), when five-minute settlements takes effect.

**Q When will Data Miner 1 be retired?**

**A** Data Miner 1 will remain available at least until [April 1, 2018](#). PJM is still evaluating the retirement data for Data Miner 1 in conjunction with the five-minute settlements initiative.

**Q How often is the data updated on Data Miner 2?**

**A** Data updating is on a per-feed basis and the frequency will vary. This information can be found on the Feed Definition page per feed next to the Last Updated field.

**Q Are there versions of data available?**

**A** Versions are available for certain feeds where the prior version was relevant. The feed description under the feed name will note if the specific feed has versions available.

**Q How do I access different versions?**

**A** For the feeds where versions are available, they can be seen on the user interface. The version number can be seen under the Version Number column. To access versions using Application Program Interfaces (APIs), users should use the "version\_nbr" parameter.

**Q How long is the data retained on Data Miner 2?**

**A** Previously, PJM would remove data from [pjm.com](http://pjm.com) after a number of years based on the retention policy; however, based on member feedback, PJM has expanded the retention time periods for Data Miner 2. PJM

plans to keep historical data available indefinitely as long as the data volume does not impact website performance. The retention period per feed is also available on the Feed Definition page next to Retention Time, and any exceptions will be noted there.

**Q The history in Data Miner 2 only goes back to a certain date. Is there more history available?**

**A** No. PJM made its best effort to load all available history when loading the data into Data Miner 2, and in most cases, this represents all the available data.

**Q I don't see the data I want on Data Miner 2. What can I do to request the data?**

**A** If you cannot find the data you are looking for, please see the [Data Availability](#) webpage for more information.

**Q How do I stay up to date on the changes happening with Data Miner 2?**

**A** Updates are presented monthly at the [PJM Tech Change Forum](#).

**Q Are there any limitations to using Data Miner 2?**

**A** Acceptable terms of use: Users should not exceed 600 data connections per minute.

**Q Have the column layouts changed from the older files?**

**A** Yes, in some cases PJM has altered the format of the column layout from the previously posted data. This change makes the layout easier to understand and maintain, as well as reducing the amount of code changes needed for members in the event that changes are made in the future (e.g., if a neighboring area decides to join PJM). In some cases, the original format was intended for understanding rather than downloading, and PJM has changed these formats so they are easier for members to download and use in their own systems.

**Q I noticed that the load forecast data on [pjm.com](#) doesn't always match what is in Data Miner 2.**

**A** PJM is constantly revising the load forecast based on a number of factors. The forecast will naturally vary depending on when the information is checked. This variation can lead to two different numbers for the same forecast appearing in Data Miner 2 versus what's available on [pjm.com](#). This variation is expected and does not indicate an issue or problem.

**Q** Q: Who can I contact with general questions about Data Miner 2?

**A** For questions, please email [DataMiner2Support@pjm.com](mailto:DataMiner2Support@pjm.com).