

Frequently Asked Questions about Data Miner 2

Version: Sep 08, 2017

Q What is Data Miner 2?

A Data Miner 2 replaces Data Miner 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. 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, execute automated queries through its Application Program Interfaces.

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 LMP and Ancillary Price data. Data Miner 2 has expanded on that vision, and will eventually be the home for all publicly posted data. At launch, PJM expects Data Miner 2 to have over fifty different data feeds. The second difference is behind the scenes – Data Miner 2 has been built with a completely new architecture and will serve as a reliable, scalable and robust platform for the future.

Q What are the benefits to PJM members?

A To better accommodate PJM's members' need for reliable PJM data, Data Miner 2 will expand and refine what was previously available in Data Miner 1. Some of the benefits are the option to select and retrieve only the data you want to receive, releasing new data feeds will be easier and a more reliable architecture.

Q Is there a roadmap for Data Miner 2?

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

- Beta testing - May 15, 2017
- Go-live – August 15, 2017
- Five-minute LMPs available in Data Miner 2 – February 1, 2018
- Retirement of converted feeds from pjm.com – August 2018

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, 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 publically accessible tool. The data within Data Miner 2 was formerly publicly available on 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 UI. A PJM Tools account is required to access the data via APIs. Full details can be found in the Data Miner 2 [User Guide](#).

Q Can I use multiple PJM Tools accounts use Data Miner 2?

A Data Miner 2 access works a little differently than our other tools. The technology that supports Data Miner 2 API keys off the e-mail address. If an e-mail address is being used for multiple Tools account usernames, only one of those usernames can have Data Miner 2 access.

Q Can I use system accounts to have access to Data Miner 2 API?

A System accounts can be used to obtain access to Data Miner 2 API as long as there is a valid email address associated with the userid. Your company Account CAMs 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 five-minute LMPs and Ancillary Service prices available for download. PJM will not be posting this data on pjm.com as the data volume too large. Therefore, Data Miner 2 will be the only source for five-minute LMP and Ancillary Service price data once five-minute settlements begins on February 1, 2018.

Q Will hourly LMP files be impacted by five-minute settlements?

A Yes. PJM will discontinue the posting of the current hourly LMP files for both the Real-Time and Day-Ahead Energy Markets as well as the Ancillary Service markets on February 1, 2018, when five-minute settlements takes effect. Stakeholders should use Data Miner 2 to retrieve that data.

Q When will the data in Data Miner 2 no longer be available on pjm.com?

A Most data feeds will be retired from pjm.com around August 2018. New data will no longer be posted to pjm.com and the existing history will be removed from pjm.com. Hourly LMP files for both the Real-Time and Day-Ahead Energy Markets and the Ancillary Service markets will be discontinued on February 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 February 1, 2018. PJM is still evaluating the retirement data for Data Miner 1 in conjunction with the five-minute settlement 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 UI. The version number can be seen under the “Version Number” column. To access versions using API, 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 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 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 would like, please see the [Data Availability](#) web page for more information.

Q How do I stay updated with 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 has been done to make the layout easier to understand and maintain, as well as reduce the amount of code changes needed for members in the event 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're 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 agree with 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 can lead to two different numbers for the same forecast appearing in Data Miner 2 versus what's available on pjm.com. This is expected and does not indicate an issue or problem.

Contact: For questions, please email DataMiner2Support@pjm.com.