Data Miner 2 Roadmap

As of July 23, 2019
<table>
<thead>
<tr>
<th>Product - Action Required</th>
<th>Deadline</th>
<th>Who May Be Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Miner 2 UI and API – Review</td>
<td>7/23/2019</td>
<td>Data Miner 2 UI and API users</td>
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<tr>
<td>Release Notes</td>
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<td>Jan</td>
<td>Feb</td>
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<td>Release 19.07</td>
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<td>Release 19.08</td>
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<td>Release 19.09</td>
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Legend
- Start Date
- End Date

Production: Jul 23
Production: Aug 28
Production: Sep 25

Upcoming Releases

• Release 19.07
  – New Feeds – Operational Data Feeds and Uplift Feeds
    • Operational data feeds present data from Operational Data page on pjm.com
    • Uplift feeds are part of FERC Order 844. Data for previous month will be posted August 2019 onwards

• Future Release
  – Historic Data Retrieval
    • In an effort to enhance the performance of querying current data to users and because of the volume of five minute real-time LMP data, PJM is looking into possible solutions that will impact retrieval of Historic Data.
    • Technical solutions are being reviewed at this time
<table>
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<tr>
<th>Issue</th>
<th>Resolution</th>
<th>Status</th>
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<tbody>
<tr>
<td>Five minute Real-Time LMP data downloads are slower on Mondays or on Business days after a holiday</td>
<td>DB performance issue has been identified. Suggested workaround is to use download=false parameter. Long term solution in progress</td>
<td>In Progress</td>
</tr>
</tbody>
</table>
• View API details in the API Guide

• Contact Data Miner 2 Support @ DataMiner2Support@pjm.com

• Subscribe to the Data Miner 2 Notification List on PJM.com My Email Lists
  – Notifications for all releases, enhancements, and data issues & resolutions

• Visit Tech Change Forum Community page for Knowledge base on Support issues
Product Details
Data Miner 2 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
API Portal Issues tab migrated to Tech Change Forum Community

View Data Miner 2 Issues/Topics on Tech Change Forum Community:

- Where is the five minute verified RT LMP data available for testing purposes?
  - Data Miner: Swapna Kanury
  - January 9, 2018 at 11:45 AM

- hrl_load_metered latency
  - Data Miner: Swapna Kanury
  - Just now

- Hourly Real-Time & Day-Ahead LMP Monthly files equivalent API
  - Data Miner: Swapna Kanury
  - 2m ago

- data lag in 7 day load forecast through dataminer2 vs. web table post
  - Data Miner: Swapna Kanury
  - 9m ago

- Generation Fuel Mix
  - Data Miner: Swapna Kanury
  - 21m ago

- hrl_load_prelim - missing data
  - Data Miner: Swapna Kanury
  - 22m ago

- Reported historical metered load for total RTO
  - Data Miner: Swapna Kanury
  - 24m ago

- Inaccurate versioning of RT data (rt_hrl_lmps)
  - Data Miner: Swapna Kanury
  - 27m ago

- RTO values from wind_gen do not match the old file
  - Data Miner: Swapna Kanury
  - 48m ago