Data Miner Roadmap

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Tech Change Forum
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Revisions

Added details for regulation redesign feeds updates

Timeline updates for UI refresh

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Impact Details

Product - Action Required	Deadline	Who May Be Affected
Regulation Redesign phase 2	**Currently in Train** **Dec. 1, 2026 (PRD)**	Data Miner users
User Interface enhancements	**Q4 2026 (Train)** **Q1 2027 (PRD)**	Data Miner User Interface users

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2026 Data Miner Roadmap

	2026											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Release 26.03			3/4									
Security Update Full roll out							7/29					
Regulation Redesign phase 2												12/1

Legend

- Start Date
- End Date

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2027 Data Miner Roadmap

	2027											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
UI Enhancement	TBD											

Legend

- Start Date
- End Date

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Regulation Redesign Changes – Phase 2

#	Data Miner 2 Feed Location	Summary Description
1	**Ancillary Services > Real-Time Ancillary Service Market Results**	A new feed will be created that includes Requirements, Procured MWs, and Clearing Prices for both RegUp/RegDn and Reserve products. This feed is posted daily on business days.
2	**Ancillary Services > Regulation Market Data**	A new feed will be created that includes RegUp/RegDn Requirements and procured MWs. It will also include RegUp/RegDn Mileage and overall performance scores. This feed is posted daily on business days.
3	**Ancillary Services > Regulation Prices**	A new feed will be created that includes the five minute RegUp/RegDn clearing prices, requirements, and procured MWs. This feed is updated every five minutes in real time.
4	**Ancillary Services > PJM Regulation Zone Preliminary Billing Data**	A new feed will be created to provide hourly preliminary billing data for both RegUp and RegDn products. The feed contains data once processed and made available by PJM Settlements.
5	**Locational Marginal Prices > Real-Time Ancillary Service Five-Minute LMPs**	Existing feed will be updated. Ancillary Service column will include RTO Regulation Up Capability, RTO Regulation Up Mileage, RTO Regulation Up Mileage Ratio, RTO Regulation Down Capability, RTO Regulation Down Mileage, and RTO Regulation Down Mileage Ratio. RTO Regulation Capability, RTO Regulation Mileage, and RTO Mileage Ratio will not be included.
6	**Locational Marginal Prices > Real-Time Ancillary Service Hourly LMPs**	Existing feed will be updated. Ancillary Service column will include RTO Regulation Up Capability, RTO Regulation Up Mileage, RTO Regulation Up Mileage Ratio, RTO Regulation Down Capability, RTO Regulation Down Mileage, and RTO Regulation Down Mileage Ratio. RTO Regulation Capability, RTO Regulation Mileage, and RTO Mileage Ratio will not be included.

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Regulation Redesign Changes – Phase 2 New Feeds

Old Feed Name	New Feed Long Name	New Feed Shortname/API	Dates that can be tested in train
Ancillary Services > Real-Time Ancillary Service Market Results - OLD	Ancillary Services > Real-Time Ancillary Service Market Results	ancillary_service_market_results	9/30
Ancillary Services > Regulation Market Data - OLD	Ancillary Services > Regulation Market Data	regulation_market_results	9/1
Ancillary Services > Regulation Prices - OLD	Ancillary Services > Regulation Prices	regulation_prices	Current
Ancillary Services > PJM Regulation Zone Preliminary Billing Data	Ancillary Services > Regulation Zone Preliminary Billing Data	reg_zone_preliminary_billing	9/1

Old feeds will be moved to Retired folder/Category

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Data Miner User Interface Enhancements

- Data Miner User Interface is being enhanced
- Production deployment will be in Q1 2027
- Selected UI elements will be refreshed and enhanced as part of an underlying technology upgrade.
- Existing functionalities will remain unchanged
- No impact to existing APIs

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Contact

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Data Miner Roadmap

Member Hotline

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PROTECT THE POWER GRID

THINK BEFORE YOU CLICK!

BE ALERT TO MALICIOUS PHISHING EMAILS

Report suspicious email activity to PJM.

Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com

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Product Details

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Security Protocol communication

What is Changing?

- Upgraded security protocol
- Format of the data returned and response header for the API responses

Upgraded Security protocol: The enhanced protocol requires the following system specifications:

1. TLS must be 1.2
2. Cipher suite must be from the following supported list:
    - TLS 1.2 ECDHE_RSA_AES128_GCM_SHA256
    - TLS 1.2 ECDHE_RSA_AES256_GCM_SHA384
3. Upgraded windows and .Net versions that can support the above cipher and TLS versions.
4. RFC for inbound calls must not be violated. For example: GET API call should not have a body.

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Security Protocol communication-Continued

API format and response header expected behavior:

- Previously, Data Miner 2 API honored the Accept-Encoding query parameter only for the Download=false Use Case. The default value for download is ‘false’. In those cases, the API supported either gzip encoding or plain text. For the case when download = true, the API did not honor the header. Furthermore, in both cases, the data was in an attachment, and the attachment was in the gzip format.

- With the new enhancements, the API will attempt to transmit in a gzip format whenever possible for the download=true case.
  - If the user specifies the Accept-Encoding parameter as gzip, the data will be returned in gzip format.
  - If the user does not specify Accept-Encoding, data will be returned in gzip format.
  - If the user specifies an Accept-Encoding of Identity, then data will be returned in plain text format, as per the RFC specification.

Furthermore, in all cases, the response header will indicate the encoding being used by either sending a response header Content-Encoding with a value of gzip or omitting that header entirely if the data is uncompressed.

For requests submitted with download=false and encoding=none, the response may be returned as gzip rather than plain text. Both gzip and plain text responses are valid, so integrations should not assume this use case will always return plain text. Users should ensure their code checks the Content-Encoding response header and applies decompression only when Content-Encoding is present with a value of gzip

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Security Protocol communication-Continued

Recommendations for programmatic changes to accommodate this change:

We recommend updating your code to look for the Content-Encoding header with a value of gzip. If you see that response header, you should use your decompression code. If you do not see that response header, then you should assume the data is plain text and bypass the decompression code.

With this approach, your code will work both before and after the change is rolled out to our production environment.

While it is possible to utilize the Accept-Encoding of Identity to avoid decompression entirely, we strongly recommend that you do not do this as that will cause your overall performance to degrade.

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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

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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)

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