



Tech Change Forum

Technical Implementation

Draft Minutes

PJM Conference and Training Center

January 25, 2017

10:00 a.m. – 11:00 a.m. EPT

Facilitator: Jim Gluck

Secretary: Monica Burkett

Welcome (10:00 - 10:05)

1. Jim Gluck, PJM, provided a brief overview of the Tech Change Forum – Technical Implementation session as well as ground rules and the agenda. Mr. Gluck provided a reminder that PJM will be sending out a survey regarding the Tech Change Forum in the near future. All feedback will assist in making the forum better aligned with stakeholder needs. Feedback is welcome at any time of the year at techchangeforum@pjm.com.

PJM Tool Reliability (10:05 – 10:30)

2. Foluso Afelumo, PJM, provided an [update](#) on the web policy created to ensure equitable access to PJM systems for members. He reviewed the previous discussion of the concurrent session and usage rates. Mr. Afelumo stated the concurrent session approach was placed into Production but rolled back due to unforeseen issues. He mentioned the updated concurrent sessions will be implemented in March.

Dave Pratzon, GT Power Group, requested insight as to what changes PJM is making and why. Mr. Afelumo stated there was a concern with volume and that PJM is looking to make positive changes to take into account for undue issues.

Jeremy Pober, Power Costs Inc., requested which applications will have the concurrent sessions implemented. Jim Gluck, PJM, stated that once the concurrent session implementation goes live in March it will be across all PJM tools.

Usage Rates

Mr. Afelumo reviewed the process for usage rates. He stated PJM will start monitoring the usage that when a user goes over the maximum request rate the data request will be throttled. Mr. Afelumo advised that a daily report is generated and sent to PJM client managers of all IP addresses that have gone over the maximum request rate. He stated if users have issues and believe it is the throttling issue to contact your PJM client manager or the PJM customer hotline.

Mr. Afelumo identified systems and files that are currently impacted by the throttling. He stated that currently the flat files on oasis.pjm.com are monitored and the throttling will not impact other tools like Markets Gateway. Mr. Afelumo stated PJM will add throttling to those systems but prior to doing so PJM will get in touch with offenders so they are prepared to make corrections before the throttling is put in place.

Dave Pratzon, GT Power Group, questioned how the implementation would work. Mr. Afelumo stated rather to disrupt the entire request it will accept the first 10 then stop until the next timeframe where the first 10 will be allowed.

Mr. Afelumo stated the throttling is in effect on oasis.pjm.com flat files which was implemented on December 19th. He also stated the throttling expires when the excessive rates usage goes down.

Dave Pratzon, GT Power Group, requested how many different IP addresses PJM sees considering there are only about 900 members. He also requested how many problem accounts/IP addresses exist such as 1% of accounts accessing PJM or half the accounts. Mr. Afelumo stated that based on the data captured it is a few versus the larger majority. He indicated most users are doing the right thing where the few users are throttled due to ignorance or not knowing how to access the system. Jim Gluck, PJM, stated the use cases all over the spectrum. He indicated there are some use cases where some users capture data when they can, a few that didn't realize the system was grabbing at that high volume, and others that randomly capture the data.

3. Venkat Balachandran, PJM, provided a refresher and roadmap overview of [Data Miner 2](#). He indicated the API integration specifications plan to be available end of March. Mr. Balachandran stated that beta testing will begin May 15 and will request all feedback due back to PJM by July 31. He mentioned Data Miner 2 - Phase I go-live will be available by mid-August. Mr. Balachandran also mentioned PJM is targeting the retirement of the PJM.com flat files to begin in 3Q18 in a phased approach.

He stated the data feed portal will be hosted on Microsoft Azure Cloud Platform to include filtering, pagination, sorting and include the data dictionary search. Mr. Balachandran indicated Data Miner 2 will be built utilizing RESTful web API services and will support multiple data formats (JSON and XML). He also mentioned versioning will be available via the API.

Dave Pratzon, GT Power Group, had several questions regarding data files as well as the data dictionary. Mr. Balachandran stated all flat files from PJM.com and currently on Data Miner will be moved into Data Miner 2 as well as the existing data dictionary from PJM.com and new definitions. He also stated the date range will be all existing data currently available and moving forward keeping with the existing PJM.com policy.

Chad Hutchinson, PJM, provided a mockup demonstration of the updated Data Miner 2 layout. He showed how the main page will feature frequently accessed data. Mr. Hutchinson then navigated via the left navigation to show how it will provide all data set categories in alphabetical order with the ability to dive into the set for specific information. He showed data table features and how all data displayed is based on filters and ability to sort and export. Mr. Hutchinson reviewed the layout of each data page which includes description of data set, link to API testing and full list of data terms for that set. He stated all feedback can be provided to Chad at chad.hutchinson@pjm.com or to techchangeforum@pjm.com.

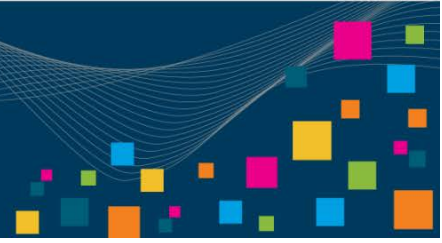
Mr. Balachandran provided a view of the API portal where users can sign up, view API documentation, and receive developer support. Jim Gluck, PJM, stated how Data Miner 2 details will be provided throughout the Tech Change Forum over the next year.



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Mark Hurwich, Elliott Bay Energy Trading, LLC, requested if access will be through the PJM SSO or outside of that. Mr. Balachandran stated Data Miner 2 will be integrated with PJM SSO and accessed with the token and signed against the SSO. Mr. Hurwich followed up requesting if all users would have access to the API. Mr. Balachandran stated separate access will be required for the API. Jim Gluck, PJM, stated access and instructions will be provided at a later Tech Change Forum session.

Feedback (10:45-10:55)

No feedback items were brought up at this time.

Future Forum Topics (10:55-11:00)

No future forum topics were brought up at this time.

Future Forum Dates

February 28, 2017	10:00 a.m.	PJM Conference & Training Center/ WebEx
March 22, 2017	10:00 a.m.	PJM Conference & Training Center/ WebEx

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