

Tech Change Forum
PJM Conference and Training Center
June 16, 2020
1:00 – 3:00 p.m. EPT

Administration (1:00-1:05)

1. Welcome & Ground Rules
 - A. Foluso Afelumo, PJM, [reviewed](#) the Stakeholder Webex Controls which provides guidance to anyone utilizing PJM's webex meetings.

Important Dates Review (1:05-1:10)

2. Important upcoming dates will be reviewed
 - A. Foluso Afelumo, PJM, highlighted important upcoming [dates](#) for implementations and training/information sessions between June and September.
3. Roadmaps for PJM initiatives through 2020 will be presented
 - A. Ilyana Dropkin, PJM, reviewed the [roadmap](#) for the new Competitive Planning tool that will be available for [registration](#) on June 22 and in the production environment on July 1. Ilyana explained that this new tool will replace the current process where proposals are prepared using an excel template and then sent to PJM via [Secure Share](#). The new process, an implementation for FERC Order 1000, utilizes a web based application.

Product Roadmap Updates (1:25-2:30)

4. Roadmaps for individual products will be presented
 - A. Gerry McNamee, PJM, reviewed the [roadmaps](#) for DR Hub, Power Meter, InSchedule, Billing Line Item Transfer and eSuite Home Page. Gerry explained that an additional release was done on June 11 for DR Hub to fix an internal bug. Gerry also explained that the Minimum Offer Price Rule (MOPR) changes for the 2021/2022 delivery year will be available in train and production in Fall 2020 and that stakeholders could get addition details at the Demand Response Subcommittee.
 - B. Bhavana Gagrani, PJM, reviewed the Account Manager, Bulletin Board, Data Viewer, eDataFeed, Messages, Tools Home and Voting [roadmaps](#) and communicated that the June 3 tools home page change was rescheduled to a to be determined future date. Bhavana explained that for security reasons, PJM is requiring that all accounts have a whitelist entry in Account Manager by June 30 and that all CAMs will start seeing this information in July. Bhavana encouraged CAMs to [review](#) the information on how to utilize the whitelist feature.
 - C. Kim Warshel, PJM, reviewed the Markets Gateway [roadmap](#). Kim explained that the Markets Gateway application is being updated to 1) increase energy offers segments from 10 to 20, 2) enable the submission of Hourly Differential Segmented Ramp Rates for resources in both the Day Ahead and Real Time Markets and 3) restrict changing a unit committed as must-run in the Day Ahead Market to Economic after the Day Ahead Market clears. Kim communicated that the Opportunity Cost Calculator was retired on June 1 and that the dual fuel validation update was effective on June 16. Kim also added that the Day Ahead must-run to Economic change would be effective on July 28. Kim explained that PJM is still waiting for FERC approval to provide market participants with the ability to submit Hourly Differentiated Segmented Ramp Rates for resources in both the DA and RT Markets and if approved, the Hourly updates would follow Intraday Offers (IDO) rules.

- D. Tawnya Luna, PJM, reviewed the [roadmap](#) for PJM.com and communicated that the RTEP Upgrades & Status Section retirement date was postponed to June 30 and that any users who have bookmarked pages in the RTEP Upgrades & Status section or who pull data via XML from those pages should update any systems that utilize the existing XML file by that date. Tawnya explained that if anyone receives a notice that their Secure Area access was expiring, they should click on the Renew button on the secure area page. Tawnya explained that any users who scrape the Operational Data and Dispatch Rates pages should update their systems to pull this data from Data Miner by July 31. Tawnya communicated that phase 2 of the home page redesign which incorporates Single Sign On (SSO) was rescheduled to third quarter 2020 and that PJM continues to seek feedback at TechChangeForum@pjm.com on any changes discussed. Tawnya stated that the column widths for the Project Status & Cost Allocation page would be updated on June 25 and that PJM will continue to send monthly communications for the Operational Data and Dispatch Rates pages retiring on July 31.
- E. Vy Le, PJM, reviewed the eDART [roadmap](#) discussing the details of August 19 release. Vy shared that further details on the August release will be available during the July 10 eDART forums. Vy reviewed the eDART account requests and cleanup efforts PJM was making which include outreach to member CAMs to facilitate the migration of eDART accounts to Account Manager. The migration of eDART accounts into Account Manager is a mandatory PJM security requirement.
- F. Swapna Kanury, PJM, reviewed the Data Miner [roadmap](#). Swapna discussed the Data Miner release on June 25 and reminded stakeholders of planned migration of the eDatafeed data streams into Data Miner in June 2021.
- G. Heather Bird, PJM, reviewed the PJM Connect [roadmap](#) and reminded stakeholders of the PJM Connect Single Sign On (SSO) implementation scheduled for July 9 which would allow for additional security and eliminate the current login issues some users/companies have reported. In the interim, Heather explained the immediate action stakeholders could take is to coordinate with their internal IT support and PJM Connect Support for assistance with troubleshooting. Heather mentioned that users could use Secure Share to share files with PJM as a backup. Heather reminded stakeholders of the [recorded education session](#) available for review.
- H. Sandy Honore, PJM, reviewed the Networks [roadmap](#) and explained that the July 7 network change would have no impact on participants.
- I. Sunil Rachakonda, PJM, reviewed the Tools Security [roadmap](#) and explained the PJM initiative to implement Public Key Infrastructure (PKI) authentication in train on August 10 and in production in the fourth quarter of 2020 in order for ExSchedule and OASIS to comply with the FERC order issued on February 4. Sunil explained that stakeholders should obtain a certificate from an authorized vendor and that users would need to use Account Manager to associate valid PKI certificates with user accounts. Sunil explained that PJM intends to make PKI available to secure the browserless application program interface (API) for all PJM tools in the future and suggested that stakeholders review the [FAQs](#) that PJM has posted about PKI Certificates and Two-Step Verification for Browserless/API.
- J. Carla Thew, PJM, reviewed the MSRS [roadmap](#). Carla explained that PJM was refreshing the MSRS User Interface (UI) so that its look and feel is consistent with the rest of PJM's refreshed tools and that the refreshed tool was currently in development. Carla explained that the August 2020 MSRS implementation in train would include the PJM two factor authentication implementation for the browserless API and recommended that stakeholders begin to utilize Single User Multi-Account (SUMA) for Account Manager. Carla communicated that an update on the two factor authentication would be provided at the July Tech Change Forum.
- K. Ian Mundell, PJM, reviewed the Planning Center Queue Point [roadmap](#) and explained that the August 25 Queue Point enhancement may require users to refresh their browser session. Ian explained that this release contained enhancements based on user feedback through the Bright Ideas program.
- L. Theresa (Terri) Esterly, PJM, reviewed the Capacity Exchange [roadmap](#) and communicated that the June 11 Non-Retail Behind The Meter Generation (NRBTMG) enhancements and the associated June 16 education session were both completed. Terri explained that PJM added the NRBTMG functionality in Capacity Exchange to administer the requirements of NRBTMG in Manual 14D, Appendix and that this enhancement affects LSEs and

EDCs who are responsible for reporting NRBTMG located in modeled wholesale areas in zones. Terri added that the window to report and confirm NRBTMG unit data opened on June 15 and closes on July 31.

M. Foluso Afelumo, PJM, reviewed the tools and applications that had [no changes](#) from last month.

General Updates (2:30-2:40)

5. General updates will be presented

A. Chad Hutchinson, PJM, reviewed the User Experience [updates](#) for refreshed tools. The updates include improvements that significantly increase the accessibility scores of the light and dark themes which will still be available for the refreshed tools. Chad communicated that Account Manager and ExSchedule would be the first tools to be updated.

B. Foluso Afelumo, PJM, provided general [updates](#) and reviewed the planned demonstrations for June as well as the demonstrations planned for July. Foluso stated that the June demonstrations for Billing Line Item Transfer (BLIT) and Public Key Infrastructure (PKI) for OASIS and ExSchedule would both be recorded and posted at a later date. Foluso communicated that the July demonstrations would cover setting up transactions in Capacity Exchange. Foluso also added that the Data Miner demonstration would focus on data search, how to handle missing/incorrect data, and an overview of how to find specific data elements. Foluso reviewed the eight production issues PJM has had since the May Tech Change Forum meeting.

Product Design Review & Feature Demonstrations (2:40-2:55)

6. Demonstrations

A. Nick Disciullo, PJM, provided a demonstration for the Billing Line Item Transfer (BLIT) tool. The [demonstration](#) is available for review.

B. Sunil Rachakonda, PJM, provided a demonstration on Public Key Infrastructure Demonstration. The [demonstration](#) is available for review.

General Feedback and Future Forum Topics (2:55)

Future Meeting Dates

July 15, 2020	1:00 p.m. - 3:00 p.m.	WebEx
August 18, 2020	1:00 p.m. - 3:00 p.m.	WebEx
September 15, 2020	1:00 p.m. - 3:00 p.m.	WebEx
October 20, 2020	1:00 p.m. - 3:00 p.m.	WebEx
November 17, 2020	1:00 p.m. - 3:00 p.m.	WebEx
December 15, 2020	1:00 p.m. - 3:00 p.m.	WebEx

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Antitrust:



Agenda

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in WebEx:

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

On the Phone, Dial



to Mute/Unmute

Linking Teleconference Connection to Webex

When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.

Join a Meeting

1. Join meeting in the WebEx desktop client
2. Enter name (*First and Last**) and corporate email
3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

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