

**Tech Change Forum**  
**PJM Conference and Training Center**  
**September 15, 2020**  
**1:00 p.m. – 3:00 p.m. EPT**

## Administration (1:00-1:05)

1. Welcome & Ground Rules
  - A. Stakeholder Webex Controls

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

2. Important upcoming dates will be reviewed
  - A. Foluso Afelumo, PJM, [highlighted](#) important upcoming 2020 Q3 and Q4 dates. This review included upcoming implementations for September and October.

## Initiative Roadmap Updates (1:10-1:20)

3. Roadmaps for PJM initiatives through 2020 will be presented
  - A. Mike Kelley, PJM, provided an [update](#) on the implementation of the new Webex meeting controls. Mike communicated the controls to open the participant and chat panels are now located at the bottom right of the screen and participants can quickly switch their audio connection between Call me or Use computer for audio by clicking the arrow next to the mute button. In addition, Mike explained the icons now include text indicating the action that you would take when clicking, and the microphone icon will now animate green when you are speaking.

## Product Roadmap Updates (1:20-2:20)

4. Roadmaps for individual products will be presented
  - A. Gerry McNamee, PJM, reviewed the [roadmap](#) for the DR Hub, Power Meter, InSchedule, Billing Line Item Transfer, eSuite Home Page. Gerry reviewed MOPR changes effective for the 2021/2022 delivery year would be implemented on October 15 in train and October 29 in production and reminded stakeholders in December esuite.pjm.com and esuitetrain.pjm.com will be retired. Gerry also explained that in December the links for MSRS and eCredit will be added to Tools Home and the eDART and eGADS link would be available on PJM.com
  - B. Carla Thew, PJM, reviewed the MSRS [roadmap](#). Carla communicated that the current basic authentication would change in October in train and in Q1 in production and that MSRS users would need to configure their systems to add token based authentication. In addition, Carla communicated that reports would no longer be viewable on the current user interface with the exception of billing invoices for those same dates.
  - C. Bhavana Gagrani, PJM, reviewed the [roadmap](#) for Account Manager, Bulletin Board, Data Viewer, eDataFeed, Messages, Resource Tracker, Tools Home and Voting Roadmaps. Bhavana communicated that the eDataFeed would be retired in train on September 15 and that PJM had releases planned for Bulletin Board, Messages and the Tools Homepage on September 23. Bhavana communicated that PJM was implementing enhancements to Resource Tracker and the Voting Ap on October 14 and additional enhancements to both Data Viewer and eDataFeed on October 28.
  - D. Kim Warshel, PJM, reviewed the [roadmap](#) for Markets Gateway. Kim communicated that the effective January 5, 2021. Markets gateway users would be able to submit hourly differentiated segmented ramp rates for resources in both the day ahead and real time markets and that all hourly updates would follow the Intraday Offers (IDO) rules.

Kim explained that PJM should have the Markets Gateway user guide and any other documentation updated by January 5, 2021.

- E. Monica Burkett, PJM, reviewed the Communities [roadmap](#). Monica communicated that based on member feedback, the upcoming Member Community refresh would include changes to the content layout, enhancements so that the various Communities look different, and updates to their navigation items. Monica explained that PJM would provide a demonstration at the October Tech Change Forum and that PJM was still accepting feedback on additional enhancements to the Member Community. Monica explained that based on a new FERC approved requirement for new member applications, PJM is planning to automate the membership application and will also provide this Membership Management Community demonstration in October.
- F. Tawnya Luna, PJM, reviewed the PJM.com [roadmap](#). Tawnya explained that if anyone receives a notice that their Secure Area access is expiring, they should click on the renew button on the secure page and that there would be enhancements made to the Planning page on October 1. The November enhancements include new sign in requirements every 24 hours and new files added to the Planning XML files. Tawnya communicated that PJM will retire the pricing node zip code mapping and pricing node by state files in December and requested stakeholders to save any information they needed prior to its retirement. area page. Luna] – impacts on slide 3 & 4 seamless experience between pjmc.com and tools; The changes to the secure access area will also affect Member Community to be aligned with Account Manager.
- G. Vy Le, PJM, reviewed the eDART [roadmap](#). Vy explained that the September 2 release was rescheduled to September 9 and that any November release details would be provided at the October and November Tech Change Forum. The Annual GO Survey and eDART new features and enhancements will be discussed at the October 6 eDART XML Forum and Forum meetings. Vy reminded stakeholders that eDART is moving to Account Manager into AM- slide 6 refresh and cleanup still occurring. 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. Vy explained that additional meetings would be held, along with communications sent, to update stakeholders on PJM's eDART refresh efforts.
- H. Swapna Kanury, PJM, reviewed the Data Miner [roadmap](#). Swapna communicated that the August 26 release, 20.08, was rescheduled to September 23 and renamed Release 20.09. Swapna also communicated another release, 20.10, would occur on October 16. Swapna explained that after receiving stakeholder feedback, PJM would revisit the ability of updating the Five Minute transmission limits feed.
- I. Sandy Honore, PJM reviewed the Networks [roadmap](#). Sandy communicated that PJM had three maintenances planned in September to the Networks infrastructure on the 17, 22 and 24.
- J. Sunil Rachakonda, PJM, reviewed the Tools Security [roadmap](#). Sunil explained that due to stakeholder feedback, PJM's initiative to implement Public Key Infrastructure (PKI) authentication in train would now occur in December and the production implementation date would occur in February 2021. These date changes to implement PKI for ExSchedule and OASIS would still allow PJM 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.
- K. Ian Mundell, PJM, reviewed the Planning Center: Gen Model, Queue Point and Competitive Planner [roadmap](#). Ian communicated that based on member feedback, Queue Point would have a Q3 release enhancement which would allow multiple users to work on a submission. Ian reviewed the summary of roles available in Queue Point and that a prompt to accept a legal disclaimer would be added. Ian stated that PJM is looking for opportunities to understand what users would like to see in Queue Point and that feedback is sent to [mod-32@pjm.com](mailto:mod-32@pjm.com).
- L. Foluso Afelumo, PJM, reviewed the tools and applications that had [no changes](#) in the coming month.

## General Updates (2:20-2:45)

### 5. General updates will be presented

A. Zhenyu Fan, PJM reviewed the Posted Contingency List posting [changes](#) that PJM was making. He explained that the current format (HTM) will be retired and replaced on September 16. The new file would be an improvement for PJM and stakeholders and the change would coincide with the PJM model build. Afterwards, only the XML file would remain posted.

B. Colin Brisson, PJM, reviewed PJM's [efforts](#) for the Elimination of Weak Encryption. Colin communicated that PJM will supply a list of IP addresses/users ids, per company, of those that are currently using weak encryption ciphers/protocols and requested that each company update the encryption on the source devices to use an acceptable level of encryption by April 15, 2021 for browser and September 30, 2021 for browserless systems. Colin stated that for the 6% of weak encryptions PJM has identified, PJM would provide company specific to members by Oct 15 and those member companies should work with PJM and create a plan to update their encryption information by December 15. Colin stated that non-complaint members will have their access to PJM internet tools revoked.

C. Foluso Afelumo, PJM, provided general [updates](#) and reviewed three recent production issues PJM experienced since the August Tech Change Forum. This three issues involved a September 7 Data Miner issue, September 7 OASIS and ExSchedule issue, and September 8 RT LMP posting. Foluso communicated that PJM will continue to provide additional demonstrations through 2020 and welcomed any stakeholder feedback on today's Authentication of Single Sign on Enhancements for PJM tools.

## Product Design Review & Feature Demonstrations (2:45-2:55)

### 6. Demonstrations

A. Donald Wassinger, PJM, provided an Authentication and Single Sign On Enhancements for PJM Tools [demonstration](#). Donald communicated that this new feature was implemented based on member feedback to add an idle and session timeout global across all PJM tools and applications.

## General Feedback and Future Forum Topics (2:55)

### Future Meeting Dates

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:

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.



# Agenda



**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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