

**Tech Change Forum**  
**PJM Conference and Training Center**  
**December 17, 2019**  
**1:00 – 3:00 p.m. EPT**

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

1. Welcome & Ground Rules

## Past Meeting Issue Review (1:00-1:05)

2. Discuss follow-up items from last meeting.

- A. Foluso Afelumo, PJM, communicated that there were no items to follow-up on from the November 19 Tech Change Forum

## Initiative Roadmap Updates (1:05-1:10)

3. Roadmaps for PJM initiatives through 2019 will be presented

- A. Monica Burkett, PJM, reviewed the [roadmap](#) for Communication and Subscription Improvements and requested that stakeholders should whitelist the PJM dedicated IP address 13.111.63.217 and allow emails from @lists.pjm.com. She communicated that there was a Subscription Pilot held from November 20 until December 4 and that the new communication feature will be implemented in production on January 6. Ms. Burkett reminded stakeholders that PJM is removing subscribing to PJM Tools from the My Email Lists page and afterwards users with access to PJM Tools will automatically be added to the specific tool's communication subscription. Users without access to tools should subscribe to TechNotify. She stated that if anyone has a current subscription they will not need to make a change since PJM will provide them with their current subscription.
- B. Amanda Egan, PJM, provided an update on the upcoming Membership Management Community and Account Manager (CAM) [changes](#). She explained that PJM is making a consolidated effort for members to maintain their information with PJM without using paper and email requests and therefore is adding a Member Maintenance feature. This feature will include the ability to make the following changes:
  - Company Name Change requests
  - Membership Withdrawal requests
  - Affiliate Disclosure updates
  - Voting Member changes
  - Member Affiliate changes
  - Non-member Affiliate changes
  - Related Party updates (applicable to voting members in the ED sector)
  - Company Account Manager (CAM) updates
  - Sub-account requests
  - Contact Manager updates.

Access to the Member Maintenance feature will be available to an Officer of the Member or an Authorized Representative and the new form will be sent to members this week. The form is due back to PJM by January 31, 2020. Ms. Egan also explained that the Contact Manager Attestation form will be retired in March 2020 and any

Contact Manager changes would then be initiated through Member Maintenance. She explained that although PJM was not looking to change the Account Manager (CAM) responsibilities, there could be changes based on pending Manual 33 changes. She then provided the timeline that was shared with the Planning Committee and Operating Committee. She requested that stakeholders share this information internally and that PJM will send additional updates as they become available.

## Product Roadmap Updates (1:10-1:50)

### 4. Roadmaps for individual products will be presented

- A. Gerry McNamee, PJM, reviewed the [roadmap](#) for DR Hub, Power Meter, InSchedule, Billing Line Item Transfer and eSuite Home Page. He communicated that as of November 20, <https://esuite.pjm.com> PJM now only has urls for non-refreshed applications and users should access refreshed applications using <https://etools.pjm.com> in the production environment.
- B. PJM did not provide an update on the MSRS project but the [roadmap](#) is available to review. PJM will provide an update at the January 16, 2020 Tech Change Forum.
- C. Kim Warshel, PJM, provided an update on the Markets Gateway [roadmap](#) explaining that the FERC Order 841 enhancement for Electric Storage Participation was implemented in production on December 3. The new fields added to Markets Gateway were explained and Ms. Warshel announced that PJM held an [education session](#) on December 6 that is posted and can be reviewed.
- D. Bhavana Gagrani, PJM, provided an update to the [roadmaps](#) for Account Manager, Bulletin Board, eDataFeed, Data Viewer, Messages, Resource Tracker, and Voting. She communicated that the Account Manager enhancement is scheduled for December 18 implementation and it will remove the ability for users to automatically be provided default tool access and that new users would need to request all access and have their CAM approve such requests. She attributed this change to both member feedback and PJM's tool security enhancements.
- E. Tawnya Luna, PJM, reviewed the PJM.com [roadmap](#) and communicated that the PJM.com phase two home page updates scheduled for Q4 2019 will now take place in 2020 and the exact date would be provided at the January 16 Tech Change Forum. She communicated that the [Operational Data page](#) is being retired in 2020 on July 31 and its current information will be available in Data Miner 2. In addition, Ms. Luna explained that in the future the [Instantaneous Dispatch rates](#) will be incorporated into other pages of PJM.com and that if anyone has any feedback regarding these changes they should email them to [techchangeforum@pjm.com](mailto:techchangeforum@pjm.com).
- F. Sushma Hedge, PJM, provided an update to the Data Miner 2 [roadmap](#) and explained that beginning January 7, with Release 20.01, stakeholders will need to be more familiar with Data Miner 2 archived data versus standard data. She suggested that stakeholders should review the training guide on Historic Data vs Standard data located on the [Data Miner 2 page](#). She communicated that for more information on any Data Miner 2 release, users should subscribe to the Data Miner 2 distribution list.
- G. Madeline Beach, PJM, provided an update to the eDART [roadmap](#) and explained that PJM is still seeking feedback on the eDART Web UI and Browserless Refresh. Ms. Beach communicated that the [eDART Forum and eDART XML Forum](#) information has been moved under the Tech Change Forum page. She provided the upcoming December 18 and January 29 production release dates for eDART enhancements. Ms. Beach suggested that stakeholders start directly obtaining their eDART information from the eDART tool. Ms. Beach reminded stakeholders that PJM continues to seek feedback for the new browserless functionality in Q1 2020.

- H. Heather Bird, PJM, provided a [Connect.pjm.com roadmap](#) update explaining Connect.pjm.com was updated on December 9. Ms. Bird communicated that Connect.pjm.com will be integrated into PJM's Single Sign-On (SSO) in April 2020 and that internet explorer (IE) is the preferred browser for Connect.pjm.com.
- I. Tim Marcus, PJM, provided an update to the Networks [roadmap](#) stating that the network changed planned for January would occur on January 14 or January 16. Mr. Marcus said he would update the December roadmap and have updated slides posted to reflect the correct January date.
- J. Sunil Rachakonda, PJM, reviewed the Tools Security [roadmap](#) explaining that PJM is planning two new initiatives in 2020. The first initiative is to implement public key infrastructure (PKI) authentication on ExSchedule and OASIS to comply with the FERC Notice of Proposed Rule Making (NOPR). He explained that users would need to use Account Manager to associate valid PKI certificates with user accounts. The second initiative involves making PKI available for all PJM tools in the future.
- K. Foluso Afelumo, PJM, reviewed the Product Map – No Updates [roadmap](#) for the month.

## General Updates (1:50-2:00)

- 5. General updates will be presented
  - A. Foluso Afelumo, PJM, reviewed the PJM [production issues](#) that affected stakeholders. The first two occurred on November 20 and involved a delay in the Data Miner 2 LMP posting and an issue impacting DR Hub browserless postings. On November 21 eGADS users had to take action to address access issues. On November 22 there was an issue with the OIC posting and on December 12 PJM rolled back a change that caused an issue with Power Meter XML uploads. Mr Afelumo communicated that starting in January 2020, all Tech Change Forum meetings would be WebEx/Dial-in meetings.
  - B. Tawnya Luna, PJM, reviewed the Browser Support [update](#) providing PJM's recommendations for browser usage and current browser versions that are supported for refreshed tools and websites.

## Product Design Review & Feature Demonstrations (2:00-2:30)

- 6. None

## Future Meeting Announcement (2:30-2:35)

- 7. Foluso Afelumo, PJM, highlighted important upcoming dates.
  - December 17 - Resource Tracker maintenance release
  - December 18 - Account Manager releases, EDART maintenance
  - December 19 - DRHUB release
  - January 6 - Communication & Subscription cutover
  - January 7 – Data Miner 2 data retrieval implementation
  - January 8 - Billing line item transfer & Inschedule maintenance release
  - January 12 or January 14 - Networks update and a communication will be provided with definite date.
  - January 29 - EDART maintenance release
  - January 31 – Deadline for Officer of Member Company or an authorized representative to complete secretary certificate.
  - January - Account Manager training sessions

## General Feedback and Future Forum Topics (2:05)

## Future Meeting Dates

January 16, 2020	9:30 a.m. - 11:30 a.m.	WebEx
February 21, 2020	1:00 p.m. - 3:00 p.m.	WebEx
March 18, 2020	1:00 p.m. - 3:00 p.m.	WebEx
April 16, 2020	1:00 p.m. - 3:00 p.m.	WebEx
May 20, 2020	1:00 p.m. - 3:00 p.m.	WebEx
June 16, 2020	1:00 a.m. - 3:00 p.m.	WebEx
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 a.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 a.m. - 3:00 p.m.	WebEx

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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.

<p><b>On the Phone Dial</b></p>  <p>Mute / Unmute</p>	<p><b>Linking Teleconference Connection to WebEx</b></p> <p>To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.</p>
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<p><b>Join a Meeting</b></p>	<ol style="list-style-type: none"><li>1. Join meeting in the WebEx desktop client</li><li>2. Enter name (<i>First and Last*</i>) and corporate email</li><li>3. Under "Select Audio Option" select "Call Me" option from the dropdown menu</li></ol>
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