

**Tech Change Forum
PJM Conference and Training Center
January 16, 2020
9:30 – 11:30 a.m. EPT**

Administration (9:30-9:35)

1. Welcome & Ground Rules

Past Meeting Issue Review (9:35-9:40)

2. Discuss follow-up items from last meeting.
 - A. Foluso Afelumo, PJM, highlighted important upcoming [2020 Q1 dates](#). He explained that PJM will review this agenda item at the beginning of the Tech Change Forum meetings and that it was previously provided at the end of the agenda.

Initiative Roadmap Updates (9:40-9:45)

3. Roadmaps for PJM initiatives through 2020 will be presented
 - A. Monica Burkett, PJM, reviewed the [roadmap](#) for Communication and Subscription Improvements and explained that PJM's new communication process was implemented on January 6. Ms. Burkett explained that feedback is welcome using the thumbs up/thumbs down feature and that users with access to PJM Tools were automatically added to the specific tool's communication subscription. Users without access to tools are encouraged to subscribe to TechNotify.

Product Roadmap Updates (9:45-10:25)

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, eSuite Home Page. He provided an update on the January 14 bug fix planned for DRHUB and stated that the details were available in the posted release notes. Mr. McNamee communicated that the [esuite.pjm.com](#) retirement was being delayed and the new retirement date would be provided at a later date. Mr. McNamee discussed a bug release would be available in Power Meter on February 5 for train and February 12 for production that was specific to the Change to Name Space header for XML files. He requested that stakeholders review the sample XML PJM provided, test in train and if additional time was needed prior to the February 12 implementation to contact TechChangeForum@pjm.com
 - B. Carla Thew, PJM, reviewed the [roadmap](#) for MSRS. Ms. Thew explained that PJM was enhancing MSRS' User Interface (UI) so that its look and feel is consistent with the rest of PJM's refreshed tools. Ms. Thew stated that MSRS users would need to reconfigure their systems to add token based authentication and that they could test this function in the train environment in December 2020. The production implementation is planned for Q1 2021. She shared the timeline and goals of the MSRS refresh effort and requested any feedback be sent to mss@pjm.com.
 - C. Kim Warshel, PJM, reviewed the [roadmap](#) for Markets Gateway. Ms. Warshel communicated that there was an implementation on April 15 and June 1 that will require stakeholders to make XML changes. Ms. Warshel provided a target date March 15 (train) and April 15 (production) for the Offer Verification enhancement and of May 11 (train) and June 1 (production) for the Price Responsive Demand (PRD) enhancements. The Offer Verification enhancement would eliminate stakeholders utilizing SharePoint and instead use Markets Gateway. She explained that PJM would schedule an education session and communicate the date at the February 21 Tech Change Forum. Ms. Warshel stated that PJM is evaluating the 2012 Price Responsive Demand (PRD) implementation rules to see if any changes were needed and would also share that information at the February 21 Tech Change Forum.

- D. Tawnya Luna, PJM, reviewed the [roadmap](#) for PJM.com and communicated that the PJM.com phase two home page updates are scheduled June 2020 and the exact date would be provided at a later date. Ms. Luna communicated that the [Operational Data page](#) is being retired on July 31 and the data it provides 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. She explained that PJM rescheduled the planned updates to the pages hosting the Regional Transmission Expansion Planning (RTEP) Upgrades & Status Section Retirement from February 1 to March 1 and that additional information would be available at the February 21 Tech Change Forum. Ms. Luna stated that PJM is proactively contacting anyone that has an upcoming secure area expiration occurring within the next couple of months.
- E. Madeline Beach, PJM, reviewed the [roadmap](#) for eDART and communicated that eDART would have a production release, with no expected outage, between 2:00-5:00- p.m. EPT on January 29. This release would cover Voltage Limits, the new tool for Transmission users to view and update current voltage limits on buses. Ms. Beach reminded stakeholders that PJM continues to seek feedback for the new browserless functionality planned for a Q1 2020 train implementation and if stakeholders were interested in utilizing the Company Distributed Workflow (CDW) they should contact TechChangeForum@pjm.com.
- F. Venkat Balachandran, PJM, reviewed the Data Miner 2 [roadmap](#) and explained that API Users would be affected by the February 11 release and should start becoming familiar with the eDataFeed streams. Mr. Balachandran reviewed the upcoming Data Miner 2 release schedule, suggested that stakeholders should review the training guide on Historic Data vs Standard data located on the Data Miner 2 page and stated that for ongoing updates on any Data Miner 2 release, users should subscribe to the Data Miner 2 distribution list. He communicated that PJM is proactively contacting members that have had historic data retrieval issues.
- G. Heather Bird, PJM, provided a [Connect.pjm.com roadmap](#) update explaining 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.
- H. Tim Marcus, PJM, reviewed the Networks [roadmap](#) and communicated the January 16, January 21, and January 23 planned maintenance.
- I. Sunil Rachakonda, PJM, reviewed the Tools Security [roadmap](#) and explained the Q3 2020 impacts to ExSchedule, OASIS, and Account Manager. Mr. Rachakonda explained that PJM's 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). Mr. Rachakonda 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.
- J. No Planned Updates (this month) [Foluso Afelumo] – No [changes](#) from the last month.

General Updates (10:25-10:40)

5. General updates will be presented

- A. Colin Brisson, PJM, provided an Enterprise Security update that PJM reviews what steps if any are needed in reaction to recent potential cyber threats that have been publicly shared. He explained that PJM remains focused and in communication with governmental and security organizations on security events that have been reported. Mr. Brisson communicated that PJM is aware of heightened tensions that were communicated by the news media and that there may be stronger indicators for PJM to block additional countries in addition to the countries PJM has blocked in the past. He stated that PJM will continue to internally review future cyber security concerns, take any emergency actions based on intelligence received and provide updates when applicable at the Tech Change Forum. He requested that stakeholders follow the normal avenue to report connectivity issues to custsvc@pjm.com and if needed, PJM Security will follow-up.

- B. Foluso Afelumo, PJM, reviewed the PJM [production issues](#) that affected stakeholders. Two issues affected Data Miner 2. The December 20 2019 issue was caused by an issue with an upstream data repository and was resolved. The January 13 2020 issue was due to PJM needing extended time to review data. Lastly, on January 7 2020, stakeholders experienced issues accessing the new WebEx link and PJM resolved this issue. Mr Afelumo reminded stakeholders that all Tech Change Forum meetings are now WebEx/Dial-in meetings.

Product Design Review & Feature Demonstrations

6. None

General Feedback and Future Forum Topics (10:40)

Future Meeting Dates

February 21, 2020	1:00 p.m. - 3:00 p.m.	WebEx
March 18, 2020	1:00 a.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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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.

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>On the Phone Dial</p>  <p>Mute / Unmute</p>	<p>Linking Teleconference Connection to WebEx</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>Join a Meeting</p>	<ol style="list-style-type: none">1. Join meeting in the WebEx desktop client2. Enter name (<i>First and Last*</i>) and corporate email3. Under "Select Audio Option" select "Call Me" option from the dropdown menu
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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.