Agenda

Tech Change Forum
PJM Conference and Training Center
February 21, 2020
1:00 – 3:00 p.m. EPT

Administration (1:00-1:05)
1. Welcome & Ground Rules

Past Meeting Issue Review (1:05-1:10)
2. Discuss follow-up items from last meeting.
   A. Foluso Afelumo, PJM, highlighted important upcoming 2020 Q1 dates

Initiative Roadmap Updates
3. None

Product Roadmap Updates (1:10-2:00)
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 explained the DR Hub changes made due to Price Responsive Demand and encouraged stakeholders to utilize the train environment where testing is available. Mr. McNamee communicated that the esuite.pjm.com retirement was delayed and that there was a release scheduled on February 24 to fix the caching issue identified in InSchedule for Single User Multi Account (SUMA). He asked stakeholders to update any current bookmarks and links for the Tools Home Page to tools.pjm.com
   B. Gerry McNamee, PJM, reviewed the roadmap for MSRS. He 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.
   C. Kim Warshel, PJM, reviewed the roadmap for Markets Gateway. Ms. Warshel communicated that there was an implementation on March 17 in train and a production implementation on April 15 for Offer Verification enhancement that will require XML changes for entering exception information. She reminded everyone of the Daylight Savings Time removal of hour ending 3 from XML submissions for market day March 8.
   D. Tawnya Luna, PJM, reviewed the roadmap for PJM.com and communicated that the PJM.com phase two home page updates are scheduled for June 2020 and the exact date would be provided at a later date. 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 March 1 to March 31 and that stakeholders are encouraged to provide feedback.
   E. Vy Le, PJM, reviewed the roadmap for eDART and reviewed the completed releases. Ms. Le reminded stakeholders that PJM continues to seek feedback for the new browserless functionality planned for a Q2 2020 train implementation and if stakeholders were interested in utilizing the Company Distributed Workflow (CDW) they should contact TechChangeForum@pjm.com.
   F. Sushma Hegde, PJM, reviewed the Data Miner 2 roadmap and explained that PJM would fix a Data Archiving bug in the February 26 release and the integration of the ACE feed would occur on March 25. She 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 and look for posted documents on the Data Miner 2 page. An update will be provided at the March Tech Change Forum regarding additional feeds in eDataFeed that will be added to Data Miner 2.

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) on April 27. She reminded stakeholders of the Connect.pjm.com education recording available for review.

H. 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 order issued on February 4. 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.

I. Sandy Honore, PJM, reviewed the Networks roadmap and explained the March 5 and March 12 maintenance could produce rolling outages, up to 15 minutes, for all PJM tools. She stated that PJM would send communications prior to each date as a reminder.

J. Amanda Egan and Christine Franks, PJM, reviewed PJM Account Manager, Bulletin Board, Data Viewer, eDataFeed, Messages, Resource Tracker and Voting roadmaps. Ms. Franks discussed the upcoming Resource Tracker train and production enhancements on March 5 and March 12 respectively. The enhancements will cause changes to the Unit Detail, Capacity Ownership and Status Details sections of Resource Tracker.

Ms. Egan reviewed the Company Distributed Workflow (CDW) changes to Account Manager which will allow an agent, acting on behalf of a member, to make eDART requests.

K. Foluso Afelumo, PJM, reviewed the tools and applications that had no changes from the last month.

**General Updates (2:00-2:10)**

5. General updates will be presented

A. Foluso Afelumo, PJM, reviewed the two network issues that affected connect.pjm.com. One issue, January 22, affected stakeholder's connection to connect.pjm.com during a network maintenance which was restored after the maintenance was completed. The second issue, occurred on February 7, when a test failover of connect.pjm.com connectivity was lost due to a network configuration and communicated that the issue was addressed.

Mr. Afelumo communicated that the eDART Voltage Limits implementation planned for January 29 was actually completed on February 13 and the Power Meter XML implementation planned for February 12 was actually implemented on February 19. He also communicated that the eCredit refresh is tentatively scheduled to begin sometime after 2021.

**Product Design Review & Feature Demonstrations (2:10-2:25)**

Nicholas Disciullo, PJM, reviewed the current MSRS Technology refresh mock-up. Mr. Disciullo reviewed the project goals, displayed the tool pages under development, requested feedback and encouraged stakeholders to attend the Market Settlements Subcommittee (MSS) of February 25.

**General Feedback and Future Forum Topics (2:25)**

Foluso Afelumo, PJM, requested feedback on the addition of times that were added to the impact slides. Additional feedback can be sent to TechChangeForum@pjm.com
**Future Meeting Dates**

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<tr>
<th>Date</th>
<th>Time</th>
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<tr>
<td>March 18, 2020</td>
<td>1:00 p.m. - 3:00 p.m.</td>
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<td>April 16, 2020</td>
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<td>May 20, 2020</td>
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<td>June 16, 2020</td>
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<td>July 15, 2020</td>
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Author: Risa Holland

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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.
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<td><strong>6</strong> Mute / Unmute</td>
<td>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.</td>
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