Minutes

Tech Change Forum
PJM Conference and Training Center
January 23, 2018
10:30 a.m. – 2:00 p.m. EPT

Facilitator: Jim Gluck
Secretary: Monica Burkett

Administration (10:30-10:32)

1. Jim Gluck, PJM, provided a brief overview of the Tech Change Forum as well as ground rules and the agenda. He stated that all updates to technical releases will be provided via the Technical Notifications subscription list. Mr. Gluck also reminded attendees of the Tech Change Forum Community.

Past Meeting Issue Review (10:32-10:35)

2. Jim Gluck, PJM, stated there was a change freeze with no Production releases.

Initiative Roadmap Updates (10:35-10:55)

3. Roadmaps for PJM initiatives through 2017 will be presented
   
   A. Carla Thew, PJM, provided a review of the 5-Minute Settlements roadmap. She stated there was an education session on January 8th. Ms. Thew provided an update on the 5-minute LMP data in Data Miner 2. She mentioned the Five Minute Real-Time LMPs (Daily only) and the Five Minute Ancillary Services Prices (Daily only) will be available starting March 6.

   Ms. Thew stated there will be one more test day available in the near future. Swapna Kanury, PJM, stated the 5-Minute LMPs would include 5-Minute constraint data on April 1.

   B. Rami Dirani, PJM, provided an update of the Offer Verification roadmap. He stated there have been no adjustments to the slide deck since December. Mr. Dirani stated the plan for automated offer verifications is to go live sometime in April. He also stated that PJM is looking over the data from the cold weather period to identify lessons learned in which the data is still being analyzed.

   C. Alpa Jani, PJM, provided a quick review of the Performance Assessment Interval via ICCP Implementation roadmap. She provided one update where the plan is to have the project implemented by June 1. Ms. Jani mentioned the Operating Committee requested if there will be a delay of information where the PJM team will communicate any follow up at the Tech Change Forum and Operating Committee.

Product Roadmap Updates (10:55-11:45)

4. Roadmaps for individual products will be presented

   A. Gerry McNamee, PJM, provided an overview of the roadmap for Member Voting, eDataFeed, Data Viewer, Account Manager, DR Hub, and Power Meter. He reviewed upcoming releases for Data Viewer, Account Manager and DR Hub. Mr. McNamee stated the Data Viewer release will be for click through advertising as well as splitting ITSCED information for NYISO and MISO. He advised the group to expect bug releases for Member Voting in the 2nd quarter of 2018. He also stated there would be a 30 minute outage for the Account Manager user interface on January 24. Mr. McNamee advised the group to expect a 15 minute outage for the DR Hub 1st quarter release of 2018. He mentioned that all changes to Power Meter are live and ready to be enabled on April 1 for the 5-Minute Settlements initiative.
B. Kim Warshel, PJM, provided an overview of the Markets Gateway roadmap. She reviewed two releases for ALL capability to XML queries as well as Real Time value exceptions. Ms. Warshel stated the “All” XML Query detail was requested during implementation of Intra-Day Offer initiative for Markets Gateway. She indicated the target timeframe is February pending testing with optional user actions and full details on slide 4 of the roadmap. Ms. Warshel also reviewed the RT Value Exceptions release planned for March 2018 pending test results from the Train release in February. Full details and optional user actions are available on slide 5 of the roadmap.

C. Carla Thew, PJM, provided an overview of the eRPM/Capacity Exchange roadmap. She indicated that the project team plans to restart efforts in February to ensure a Train release in 3rd quarter of 2018.

D. Sushma Hegde, PJM, provided an overview of the PJM.com roadmap. She reviewed the PJM.com Planning 2018 roadmap based on new pages available for users as well as provided updates on the landing page to be refreshed in January 2018. Ms. Hegde stated the new Service Queues page went live in beta on November 6 while the full enhancements went live on December 21 in which the legacy page will be retired in early February. She notified the group that the Generation Deactivations page is planned to go live in March 2018.

E. Ian Mundell, PJM, provided an update to the Queue Point and Gen Model roadmap. He stated a new attachment form will go through the full approval process and planned to review at Members Committee meeting. Mr. Mundell stated the plan is to go live on April 1 to Train and Production. He mentioned the new form Attachment MM for Queue Reform will be initiated from the OASIS submission request.

F. Beth Schweser, PJM, stated no current changes planned for ExSchedule.

G. Beth Schweser, PJM, provided an update on the OASIS roadmap. She stated the project team is currently in the development and internal testing phases. Ms. Schweser reminded stakeholders that the seven-day load forecast data is available in Data Miner 2 and will only be available in OASIS until the end of the 2nd quarter of 2017.

H. Vy Le, PJM, reviewed the eDART roadmap. She stated the eDART team is slowing down on other development efforts due to the eDART refresh. Ms. Le mentioned that the first big update for 2018 will be the voltage schedule update going live in June. She stated there will be a release on January 31 to be held internally with no changes for external users although the impact will be for internal and external users for 2-3 hours. Ms. Le notified the group that the eDART user group meetings will be held on January 30 and 31 with an overview of blackstart calculator on the 31st. She also indicated that PJM has been receiving notification from dispatchers that users are calling in confused about the new Reactive Reserve Check (RRC). Any questions or concerns should be directed to RRCHelp@pjm.com.

I. Venkat Balachandran, PJM, provided an update on the Data Miner 2 roadmap. He notified the group that the 5-Minute LMP data will be available for testing in early March. Mr. Balachandran reviewed future plans for the API developer portal and user interface with a demonstration provided in the afternoon session. He mentioned that a “mock shutdown” will be scheduled for PJM.com in the 2nd quarter of 2018 and is looking for feedback regarding duration of the “mock shutdown”.

Mr. Balachandran reminded stakeholders that hourly real time and day ahead LMP flat files will no longer be posted on PJM.com after April 1, 2018. He provided further updates on support issues and reviewed communication pathways to report issues.

J. Kevin Bonner, PJM, provided an overview of the Single User, Multiple Account Implementation roadmap. He advised stakeholders that the individual user has the choice to opt in which will allow ability to link multiple accounts to a single user. Mr. Bonner stated that MSRS will be included with the in-scope tools with plans to go live after the settlements updates.

K. Foluso Afelumo, PJM, reviewed the Tools Security roadmap. He provided a plan of action on terminated unused accounts as well as discussed the three phases. Mr. Afelumo discussed the SSO upgrade with the impacted login URL change from /das to /access as well as the change to length of authentication token from 106 to 94 characters with full details on slide 6 of the roadmap. He stated the action required for end users would be to update any bookmarks to the SSO Login URLs.

L. Risa Holland, PJM, reviewed the Communities roadmap. She provided an overview of the three communities PJM
Ms. Holland communicated an upcoming community geared towards membership enrollment called the Membership Management Community. She also reviewed trending topics and articles available on the Tech Change Forum Community.

M. Todd Hiser, PJM, provided an update to the eGADS roadmap. He reviewed the latest release, 3.7.3, with an updated user interface for an easier way to submit cards within the application.

N. Jim Gluck, PJM, reviewed the current listing of applications with no planned updates.

Lunch (11:45-12:30)

General Updates (12:30-12:45)

5. Jim Gluck, PJM, provided general updates and reviewed the most recent production issues since the December Tech Change Forum meeting. He also informed the group that PJM identified a technical issue with Data Miner which required the team to take down the application.

Product Design Review & Feature Demonstrations (12:45-13:55)

6. Product Design Review & Feature Demonstrations

A. Swapna Kanury, PJM, provided a live demonstration of Data Miner 2 highlighting the RSS notification features. She walked through the 5-minute LMP feeds and indicated where they can be found, what they are called and how they can be accessed.

Future Meeting Announcement (13:55-13:57)

7. Jim Gluck, PJM, highlighted important upcoming dates noted below:
   - January 30 - eDART Users Group
   - January 31 - eDART XML User group meeting
   - February 21 - Tech Change Forum meeting

General Feedback and Future Forum Topics (13:57-14:00)

At this time no general feedback was provided.

Future Meeting Dates

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<tr>
<th>Date</th>
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<tr>
<td>February 21, 2018</td>
<td>10:30 a.m.</td>
<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>March 20, 2018</td>
<td>10:30 a.m.</td>
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Author: Monica Burkett

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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>3. Under “Select Audio Option” select “Call Me” option from the dropdown menu</td>
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