Planning Committee
PJM Conference and Training Center
December 13, 2018
9:00 a.m. – 12:00 p.m.

Administration (9:00-9:15)
1. Mr. Ken Seiler, PJM, called the meeting to order and Ms. Anisha Fernandes, PJM, reviewed the Anti-trust, Code of Conduct, media participation, and WebEx guidelines.

2. Ms. Anisha Fernandes reviewed the Agenda for the December 13, 2018 Planning Committee meeting. An update to be provided by PJM Legal on the AEP complaint around Order 845 was included after Item 12 on the Agenda. The Planning Committee approved the Agenda.

3. Ms. Anisha Fernandes reviewed the draft minutes posted for the November 8, 2018 meeting and the Planning Committee approved the minutes.

Endorsements (9:15-9:25)
   Ms. Lisa Krizenoskas, PJM, presented updates to Manual 14E Upgrade & Transmission Interconnection Requests. By vote of acclamation the Planning Committee endorsed the Manual 14E updates with 0 objections and 0 abstentions.

First Reads (9:25-9:45)
5. Manual 14B Updates
   Mr. Jonathan Kern, PJM, presented the phase 2 updates to Manual 14B Regional Transmission Planning Process primarily centered around clarifications to the generation deliverability processes. Requests were made for an education session to discuss load and generation deliverability and this will be scheduled soon. The committee will be requested to endorse these revisions at the next meeting.

   Mr. Tao Yang, PJM, presented updates to Manual 14G Generation Interconnection Requests. The committee will be requested to endorse these updates at the next meeting.

Informational Updates (9:45-12:00)
7. ELCC Analysis of Intermittent Resources
   Mr. Tom Falin, PJM, provided an update from the discussions on the ELCC Analysis at the November 26th Special PC, and discussed how this will be incorporated along with the other updates being made to Manual 21 that were presented at prior PC meetings. A follow up PC Special Session teleconference to continue discussion on ELCC Analysis of Intermittent Resources has been set up on December 21st from 9:30am – 11:30am.

8. Cost Commitment Status and Next Steps
   Mr. Mark Sims, PJM, discussed the status and next steps for the Consideration of Cost Commitment for Evaluation of Competitive Transmission Proposals.
Mr. Fran Barrett, PJM, provided an update on the recent activities of the Market Efficiency Process Enhancement Task Force (MEPETF).

10. **Phasor Measurement Unit Placement Strategy**  
Mr. Shaun Murphy, PJM, provided an update on PJM’s Phasor Measurement Unit (PMU) placement strategy.

11. **Merchant Transmission Interconnection Process and Off-Shore Wind**  
Ms. Suzanne Glatz, PJM, discussed potential areas of improvement to the merchant transmission interconnection process and off-shore wind projects. PJM is seeking stakeholder input for process or language modifications related to these types of interconnections.

12. **Interconnection Queue Process Improvements**  
Ms. Suzanne Glatz, PJM, discussed process issues associated with high volume at the end of the queue and potential areas of improvement.

12. **(A) AEP Complaint**  
Ms. Pauline Foley, PJM, provided an update on the AEP complaint around Order 845. Material presented has been posted to the 12/13/18 meeting materials.

13. **2019 Load Forecast**  
Mr. John Reynolds, PJM, reviewed the 2019 Load Forecast report. The change in the RTO peak forecasts for the upcoming Base Residual Auction and the RTEP study year should be well less than 1 percent. PJM will release the final report in late December.

14. **Planning Resilience**  
Mr. Aaron Berner, PJM, provided an update on the resilience analyses in the RTEP study processes.

15. **Probabilistic Risk Analysis Update**  
Ms. Onyinye Caven, PJM, presented the results of the Probabilistic Risk Analysis (PRA) of 500/230 kV transformers in the PJM footprint.

16. **Model Build Activity Update**  
Mr. Kyle Clifford, PJM, provided an update regarding current model build activities, including the 2018 series MMWG/MOD-032 cases.

### Future Meeting Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Meeting Location</th>
<th>Type</th>
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<tr>
<td>December 21, 2018</td>
<td>9:30 a.m.</td>
<td>Special PC: ELCC Analysis of Intermittent Resources</td>
<td>Teleconference/WebEx</td>
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<td>January 10, 2019</td>
<td>9:00 a.m.</td>
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<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>February 07, 2019</td>
<td>9:00 a.m.</td>
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<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>March 07, 2019</td>
<td>9:00 a.m.</td>
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<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>April 11, 2019</td>
<td>9:00 a.m.</td>
<td>Planning Committee</td>
<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>May 16, 2019</td>
<td>9:00 a.m.</td>
<td>Planning Committee</td>
<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>June 13, 2019</td>
<td>9:00 a.m.</td>
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<td>PJM Conference &amp; Training Center/ WebEx</td>
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<td>9:00 a.m.</td>
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<td>9:00 a.m.</td>
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<td>September 12, 2019</td>
<td>9:00 a.m.</td>
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<td>PJM Conference &amp; Training Center/ WebEx</td>
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## Attendance List

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<tr>
<td>Ken Seiler (Chair)</td>
<td>PJM Interconnection, LLC</td>
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<td>Anishe Fernandes (Secretary)</td>
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<td>Edward Achaab</td>
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<td>Nicolas Koehler</td>
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<td>Hugh Scott</td>
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<td>Diane Janicki</td>
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<td>Ruth Ann Price</td>
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<td>End User Customer</td>
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