



MEETING MINUTES – MONDAY FEBRUARY 27TH, 2012

PJM Interconnection
Net Energy Metering Senior Task Force (NEMSTF) - Meeting #5
PJM Business Center, B1 & B2
2621 Van Buren Avenue, Norristown, PA
02.27.2012, 9:30am – 3:30pm

1) Introduction & Roll-Call

- a) The meeting was called to order at 9:30 AM. Mr. Fran Barrett introduced the meeting, advised the participants of conformance to code of conduct and anti-trust guidelines, and solicited announcement of any members of the media.
- b) The attendees were recorded by the secretary's roll-call. Attendee spreadsheet attached.



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- c) Mr. Barrett solicited feedback on the draft meeting minutes from 2/7/12; hearing none, the minutes are considered final.
- d) Mr. Smith reviewed the status of the open action items recorded from previous meeting minutes. See the Action Item Log in below in these meeting minutes for Action Item statuses.

2) CAPACITY, PRICE RESPONSIVE DEMAND AND STATE/REGULATORY/LEGISLATIVE – EDUCATION SESSION

- a) Mr. Jim Dolan provide a presentation on PJM's Capacity Market and discussed likely considerations by NEM projects.
- b) Mr. Jeff Schmitt reviewed the planned Price Responsive Demand (PRD) implementation.
- c) Ms. Priscilla Chandler discussed the State/Regulatory/Legislative issues related to NEM. She shared a update for the state of Pennsylvania and requested stakeholders to continue to forward information to her for centralization into an NEM matrix. Mr Smith demonstrated the Beta version of the matrix.
- d) Mr. Barrett noted that the NEMSTF had completed the education phase of the consensus based issue resolution process. The NEMSTF will now begin the formal interest identification phase.

3) DISCUSSION – NEMSTF STAKEHOLDER PREPARATION FOR INTEREST IDENTIFICATION PHASE - Mr. Barrett led a NEMSTF discussion on the following topics

- a) The recent NEMSTF surveys, providing guidance and soliciting improvements. The interest identification and the NEM survey are to be completed and returned by March 5th.
- b) The interest and availability of stakeholders to add a Panel Discussion to "kick off" the Interest Identification Phase. It was agreed to host a panel on physical interconnection and real time metering, and a second panel on data aggregation and market settlements. Panelists shall be stakeholder practitioners dealing with NEM Projects. PJM will circulate a brief narrative for each of the panels, solicit speakers and their availability, and identify the timing of the panels (March 7th and/or March 19th).
- c) Mr. Barrett reviewed Parking Lot items for clarity and consistency. It was agreed that PJM would filter the items for "in-scope" or "out-of-scope" as relating to the charter and circulate as a stakeholder survey. The Parking Lot survey is to be completed by March 5th.



- 4) Meeting review & adjournment - Mr. Barrett reviewed the future meeting dates, agenda topics, and invited new topics, actions or feedback from the meeting. Mr. Barrett solicited the NEMSTF stakeholders for any new business as well as feedback to improve meeting materials, efficiency, or effectiveness. The meeting was adjourned at 3:00 P.M.



ACTION ITEMS LOG

Created	Description	Owner	Status
Action Items Created Monday, January 30 th , 2012			
Jan-30 #1	PJM – When determining jurisdiction (PURPA, QF, FERC, etc), a process flow diagram was recommended. PJM to produce draft before next meeting <ul style="list-style-type: none"> ➤ 2/6: PJM distributed and Pauline reviewed with the participants 	PJM	Closed
Jan-30 #2	PJM - Ensure uniformity of NEMSTF matrix definitions; e.g. standby charges	PJM	Ongoing
Jan-30 #3	PJM - Create a glossary for the state and legislative NEMSTF matrix under development	PJM	Ongoing
Jan-30 #4	Harry Dessender – create a use case regarding materiality (< ____ MW) in individual and aggregate MW. When are the positive net energy injections too small to warrant modeling? (ref Metering slide on Modeling, bullet 2, 1st sub bullet) <ul style="list-style-type: none"> ➤ 2/6: WIP, querying the eMTR data for NULL values ➤ 2/28: Harry indicated this is a WIP and will need several more weeks to complete due to amount of data 	PJM	WIP
Jan-30 #5	PJM - Include an education session with the NEM impact on the planning model including peak load and peak generations calculations (John Reynolds to provide training)	PJM	Closed
Jan-30 #6	TO's and utilities – "How do you manage NEM's in your region?" Document and share your practices with respect to NEM projects. Note: PJM build a posting template for TO's and utilities <ul style="list-style-type: none"> ➤ Split into 3 distinct items Feb-6 #1, #2, and #6 	Joint	Closed
Jan-30 #7	PJM - It was noted that some March and April NEMSTF meetings fall on "No Meeting dates". An action item was taken to see if the dates could be mitigated or rescheduled <ul style="list-style-type: none"> ➤ 2/6: Meetings moved to 3/7 (from 3/5) and 4/4 (from 4/2). 	PJM	Closed
Action Items Created Monday, February 6 th , 2012			
Feb-6 #1	Stakeholders – Document and share your company's interest w/r/t NEM by noon on Monday, March 5th, 2012	Stakeholders	Due 3/5 noon
Feb-6 #2	Stakeholders – Document and share how you deal with NEM projects in your region; types and number of interactions, number of NEM projects, number of 2012 projected NEM projects, NEM project magnitude (MW), etc. by noon on Monday, March 5th, 2012	Stakeholders	Due 3/5 noon
Feb-6 #3	PJM (Bhavana Keshavamurthy) Day Ahead Markets a. Revise slide # 11 for clarity of MWh for demand and MW/MVar for energy and capacity b. Distribute additional resources regarding D/A Markets (web link for eMKT user guide, web link for detailed D/A training, hotline phone number for Markets questions) <ul style="list-style-type: none"> ➤ There are three main resources that new participants can use to familiarize themselves with the Day ahead market and emkt: <ol style="list-style-type: none"> 1) Day ahead training : Day-Ahead Scheduling & eMkt - http://www.pjm.com/sitecore/content/Globals/Training/Course/s/ol-da-sched.aspx 2) Emkt User guide : http://www.pjm.com/markets-and-operations/etools/~media/etools/emkt/ts-userguide.ashx 3) Customer support: The Client Managers assigned to the 	PJM	Closed



	participant will help with the paperwork needed to get their accounts setup . For specific questions related to portfolio setup, participants can contact the PJM Markets Hotline at 610-666-8998 or send an email to markets_hotline@pjm.		
Feb-6 #4	<p>PJM publish any FERC Order and tariff citations with respect to non-retail generation</p> <ul style="list-style-type: none"> ➤ 1.27AA Non-Retail Behind The Meter Generation: Behind the Meter Generation that is used by municipal electric systems, electric cooperatives, or electric distribution companies to serve load. ➤ Non-Retail Behind the Meter Generation (NRBTMG) is in Schedule 8 of the Reliability Assurance Agreement (RAA). ➤ Section 1.27AA Non-Retail Behind The Meter Generation: ➤ Section 34.3 Netting of Non-Retail Behind The Meter Generation. ➤ SCHEDULE 15 - Non-Retail Behind The Meter Generation Maximum Generation Emergency Obligations 	PJM	Closed
Feb-6 #5	<p>PJM (Pauline Foley) – edit and revise the Jurisdictional decision table</p> <ol style="list-style-type: none"> a. Correction for QF non-purpose sale, slide 2 b. Add a NEM row to the table c. Revise high level flow chart (Jason Keyes, Pauline Foley) <ul style="list-style-type: none"> ➤ 2/28 – Items a and b are complete. Pauline and Jason are discussing a topic related to item c, and when complete, the document will be re-issued to the stakeholders. 	PJM	WIP
Feb-6 #6	PJM publish NEM template for stakeholders by 2/13/12.	PJM	Due 2/13
Action Items Created Monday, February 27 th , 2012			
Feb-27 #1	Review Reliability Assurance Agreement (RAA) Schedule 6, § L for potential conflict with current NEM legislation (reducing load below zero).	Pauline Foley	3/19
Feb-27 #2	Create a chart/visual of the NEM project options and alternatives regarding Behind the Meter, energy only, or capacity resource.	PJM	June 1 deliverables
Feb-27 #3	Ensure the state and legislature matrix can be pivoted by State or Feature/variable	Brad	2/28
Feb-27 #4	<p>Re-issue the NEMSTF Survey Questionnaire to include</p> <ol style="list-style-type: none"> a) "Please identify the respondents sector" with a special emphasis on EDC data b) Add "NEM" to question #3 	Tracy	2/28
Feb-27 #5	Provide refresher for Senior Task Force polling expectations	Fran	3/7
Feb-27 #6	PJM will circulate a brief narrative for each of the panels (one panel on physical interconnection and real time metering, and a second panel on data aggregation and market settlements), solicit speakers and their availability, and identify the timing of the panels (March 7 th and/or March 19 th). Panelists shall be stakeholder practitioners dealing with NEM Projects.	Tracy	3/7

- UPCOMING NEMSTF MEETINGS:
2012



March 7 (NOTE date change from 3/5)	9:30 – 3:30pm	PJM Interconnection, Business Center
March 19	9:30 – 3:30pm	PJM Interconnection, Business Center
April 4 (NOTE date change 4/2)	9:30 – 3:30pm	PJM Interconnection, Business Center
April 16	9:30 – 3:30pm	PJM Interconnection, Business Center
April 30	9:30 – 3:30pm	PJM Interconnection, Business Center
May 11	9:30 – 3:30pm	PJM Interconnection, Business Center
May 18	9:30 – 3:30pm	PJM Interconnection, Business Center
May 25	9:30 – 3:30pm	PJM Interconnection, Business Center
May 30	9:30 – 3:30pm	PJM Interconnection, Business Center

Please use this link to see the meeting materials and to register for these meetings:

<http://www.pjm.com/committees-and-groups/task-forces/nemstf.aspx>

Anti-trust:

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. PJM Members are also not allowed to create audio, video or online recordings of PJM meetings.