



**AGENDA**  
**Energy Storage Participation in RPM Discussion**  
**PJM INTERCONNECTION, L.L.C.**  
**July 23, 2014, 9:00-12:00PM**

**1. ADMINISTRATION (9:00-9:10)**

Welcome, roll call, review draft meeting minutes from previous meeting, request for additional agenda items

**2. DISCUSS TARGETED WORK PLAN (9:10-9:20)**

Mr. Herman will review the updated work plan to be accomplished by the group.

**3. EDUCATION/ACTION ITEMS (9:20-10:20)**

- a. PJM will lead a discussion on the question: How are advanced energy storage resources treated in NYISO, CAISO and other entities, specifically with respect to time capability and other design components in our Matrix?
- b. PJM will address the topic of allowing energy storage resources to collocate with intermittent resources and provide capacity as one unit under this problem statement. PJM feels this is within scope, and is open to suggestions for additional Design Components and Solutions options for inclusion in the Matrix.
- c. PJM will address the question: If a unit schedules 5 starts in a given week and uses all of those up by Wednesday, are they forced to take an outage? This topic is currently under consideration for inclusion at the Operating Committee.
- d. Should Run of River Hydro Resources have their ICAP limited? This question was determined to be out of scope for this problem statement.
- e. PJM will address the analysis performed by ESA regarding the 20 Coincident peaks, the 3.3 MWh, and the effective load carrying capability.
- f. PJM will address the representation of Status Quo in the Matrix. The Matrix has been updated to include two status quo columns, 1 for how Advanced Energy Storage Resources and Other Storage Resources are treated in PJM today, and one for how units in RPM are treated today. Please note that the current the status quo for Advanced Energy Storage Resources to participate in RPM is that they are not directly able to participate as a capacity product.
- g. Where is the topic of Pumped Storage maximum power output over 1 hour referred to in PJM manuals? This topic is covered in PJM Manual 21, Appendix A, Section B(4).



- h. Can PJM provide education on Metering/Telemetry requirements? We are working with our SME's to provide education on this topic at the August 15<sup>th</sup> meeting. Please See M11 and M14D for a detailed description.
  - i. What is the status quo of the Make Resource Available design component/How will the interconnection process (and determination of rating) work for Energy Storage Resources?

#### **4. OPTIONS MATRIX (10:20-11:50)**

Mr. Herman will lead a discussion on solutions options and PJM's preferred package.

#### **5. ACTION ITEMS (11:50-11:55)**

#### **6. FUTURE MEETINGS (11:55-12:00)**

August 15, 2014                    9:00am -12:00 pm                    Webinar/CTC, Norristown, PA

August 29, 2014                    9:00 am -12:00 pm                    Webinar/CTC, Norristown, PA

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