



**DRAFT MINUTES**  
**PJM Interconnection**  
**Demand Response Subcommittee (DRS)**

**June 24, 2014**

**9:30 am – 3:30pm (EPT) PJM, In-Person, Webex, conference call**

**Members in Attendance:**

Langbein (Chair), Peter	PJM Interconnection, LLC	Not Applicable
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Wiltse, Alexandra	Baltimore Gas and Electric Company	Transmission Owner
Dugan, Bill	Customized Energy Solutions, Ltd.*	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Poulos, Greg	EnerNOC, Inc.	Other Supplier
Baxter, Ian	Enerwise Global Technologies, Inc.	Other Supplier
Lacey, Frank	Enerwise Global Technologies, Inc.	Other Supplier
Miyaji, Wendell	Enerwise Global Technologies, Inc.	Other Supplier
Stadlmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Yeaton (Secretary), Andrea	PJM Interconnection, LLC	Not Applicable

**Others in Attendance:**

Borgatti, Michael	Gable and Associates	Not Applicable
Hagaman, Derek	GT Power Group	Transmission Owner
Pratzon, David	GT Power Group	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Covino, Susan	PJM Interconnection, LLC	Not Applicable
Horowitz, Shira	PJM Interconnection, LLC	Not Applicable
Long, Glenn	PJM Interconnection, LLC	None
McAnany, Jim	PJM Interconnection, LLC	Not Applicable
Walker, Bill	PJM Interconnection, LLC	Not Applicable

**Attendees via Teleconference / WebEx**

Burnett, Chad	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Brown, Jeffrey	AEP Service Corp	Not Applicable
Teamann, Cindy	Allegheny Power	Electric Distributor
Feliks, Kent	American Electric Power	Transmission Owner
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Cox, Edward P	Appalachian Power Company	TransmissionOwner
McDaniel, John	Baltimore Gas a Electric Company	TransmissionOwner
Kopon, Owen	Brickfield, Burchette, Ritts & Stone, P.C	Not Applicable
Xenopoulos, Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable
Haugen, Joe	Buckeye Power, Inc.	Electric Distributor
Miller, John	Commonwealth Edison Company	Transmission Owner



Dean, Ronald	Commonwealth Edison Company (ILR)	None
Carangi, Mark	Comverge	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Maucher, Andrea	Delaware (State of) Division of the Public Advocate	End User Customer
Price, Ruth	Delaware (State of) Division of the Public Advocate	End User Customer
Nowell, Cynthia	Delmarva Power & Light Company	Electric Distributor
White, Barbara	Demand Response Software	Not Applicable
Mariam, Yohannes	Dist. of Columbia, Office of the Peoples Counsel	End User Customer
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Hodskins, Jessica	Duke Energy Ohio, Inc.	Transmission Owner
Sailers, Bruce	Duke Energy Ohio, Inc.	Transmission Owner
Cornett, Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Whittaker, Greg	East Kentucky Power Cooperative, Inc.	Transmission Owner
Witt, Sally	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Gockley, Beatrice	EnergyConnect, Inc.	Other Supplier
Guistwhite, Jeff	EnergyConnect, Inc.	Other Supplier
Perez, Liza	EnergyConnect, Inc.	Other Supplier
DeBenedittis, Mike	EnergyHub	Not Applicable
Martin, Andrew	EnergyHub	Not Applicable
Desmarais, Michael	EnerNOC, Inc.	Other Supplier
Meier, Mariko	EnerNOC, Inc.	Other Supplier
Nie, David	EnerNOC, Inc.	Other Supplier
Rokholt, Thomas	EnerNOC, Inc.	Other Supplier
Bash, David	Enerwise Global Technologies, Inc	Other Supplier
Klink, Troy	FirstEnergy Corporation	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner
Marton, David	FirstEnergy Solutions Corporation	Transmission Owner
Borgatti, Michael	Gable and Associates	Not Applicable
Webster, John	Icetec.com, Inc.	Other Supplier
Powers, Sean	Linde Energy Services, Inc.	End User Customer
Mabry, David	McNees, Wallace & Nurick LLC	Not Applicable
Wehr, Christopher	Metropolitan Edison Company	Transmission Owner
Chen, Xu	Monitoring Analytics, LLC	Not Applicable
Harvey, Colby	Negawatt Business Solutions, Inc.	Other Supplier
Gantzer, Tom	NetPeak Energy Group LLC	Other Supplier
Maye, Shelly-Ann	North America Power Partners LLC	Other Supplier
Huston, Jackie	North America Power Partners, LLC	Other Supplier
Musilek, James	North Carolina Electric Membership Corporation	Electric Distributor
Nguyen, John	Northern Virginia Electric Cooperative	Electric Distributor
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Kirkpatrick, Roger	NYISO	Not Applicable
Alston, Rick	Old Dominion Electric Cooperative	Electric Distributor
Carbonneau, Andrew	Open Access Technology International, Inc.	Not Applicable
Lopez, Alex	Opower	Not Applicable
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
DeNavas, Joe	Potomac Electric Power Company	Electric Distributor
Hartman, Gary	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Reif, Kenneth	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner



Greening, Michele  
 Carretta, Kenneth  
 Heizer, Fred  
 Hoatson, Tom  
 Sudhakara, Raghu  
 Trevino, Rita  
 Hendrix, Chris  
 Hewett, Christopher

PPL EnergyPlus, L.L.C.  
 PSEG Energy Resources and Trade LLC  
 Public Utilities Commission of Ohio  
 Riverside Generating, LLC  
 Rockland Electric Company  
 Siemens Industry, Inc.  
 Texas Retail Energy, LLC  
 Virginia Electric & Power Company

Transmission Owner  
 Transmission Owner  
 Not Applicable  
 Other Supplier  
 Transmission Owner  
 Other Supplier  
 Other Supplier  
 Transmission Owner

**1. ADMINISTRATION**

1. Roll was called.
2. There were no additions/corrections to the 4/23/2014 or 5/16/2014 minutes.
3. No additional agenda items were added, however the members requested the September 2014 meeting be re-scheduled due to a holiday. The DRS agreed to a new date – Tuesday Sept. 23, 2014 at the normal time/place.
4. Brief update/discussion of DR related activity in other stakeholder groups:
  - i. CSTF – PJM will initiate stakeholder process to comply with FERC order to develop a RPM transition mechanism (15/16 and 16/17 DY) for MWs that CSPs cannot deliver because of new 30 minute lead time requirement.
  - ii. OC – Cold weather resource performance improvement discussions will include DR.

**2. DEMAND RESPONSE RESIDENTIAL PARTICIPATION IN THE PJM SYNCHRONIZED RESERVE MARKET**

Discussed more detail regarding the sampling requirements for the proposed solution. Some questions came up regarding how LSEs would be handled and whether or not CSP would be required to stratify or subsample by LSE – this will be discussed at next meeting.

**3. DEMAND RESPONSE RESIDENTIAL CAPACITY AND ENERGY MARKET MEASUREMENT AND VERIFICATION**

Key components for the solution were discussed. Interval-metered customers would remain the same, but it is proposed to change the way non-interval metered customers are handled going forward. All non-interval metered customer load reductions would be based on real time load data from sample of customers which would be extrapolated to the population. Next meeting will include information on how add backs would work and how EDCs stratify residential PLCs.

**BREAK**



**4. ANNUAL DR MAINTENANCE OUTAGE REPORTING PROCESS**

Components were reviewed and clarifications were made on several of them. The members determined that there was one basic package and another package that was the same except for 2 areas – whether CSP can take an outage for software upgrades and the number of days PJM needed in order to process an outage request. There was some opposition to allowing CSPs to take an outage for software so there may be some modification to the language to put restrictions on the date/time of these kinds of outages for the next meeting. The next meeting will be to endorse package(s) and send to MIC for endorsement.

**5. CAPACITY COMPLIANCE CALCULATION FOR PARTIAL DISPATCH**

PJM reviewed the normalized calculated load reduction for partial hours which became effective June 1. The detailed example will be included in training material for future reference.

**LUNCH**

**6. EMERGENCY ENERGY SETTLEMENT M&V**

The existing process for emergency energy settlements was reviewed. The hour-before CBL is not always accurate and the work of creating/approving economic registrations is burdensome for the CSP and the EDC. The proposal is to use the default economic CBL for emergency settlements or, if a registration is already confirmed before the event, then the registration's CBL method will be used. If the economic registration's CBL is MBL, then the default emergency energy CBL will be used. This proposal will reduce amount of meter data required compared to economic registrations needing 60 days of data to pass RRMSE test. The burden on EDCs will be less as they aren't reviewing registrations and there is less meter data to verify. Also, if a registration is not dispatched, then there isn't any extra work for the EDCs/CSPs.

**7. DEMAND RESPONSE MONTHLY ACTIVITY REPORT**

PJM reviewed a new table (Figure 2) which shows the Load Management registration breakdown by Resource Type, Product and Lead Time. The table reflects registered MW so the final commitments are a little different. The trend has been to register more than the final commitment.

**8. FUTURE AGENDA ITEMS**

No additional agenda items were identified

**9. FUTURE MEETING DATES**

Wednesday	7/30/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Monday	8/25/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Tuesday	9/23/2014 (new date)	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Wednesday	10/22/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Wednesday	11/19/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Wednesday	12/10/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC