



**DRAFT MINUTES**  
**PJM Interconnection**  
**Demand Response Subcommittee (DRS)**  
**April 23, 2014**

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

**Attendees: In Person**

<b>Last Name</b>	<b>First Name</b>	<b>Company Name</b>	<b>Sector</b>
Alston	Rick	Old Dominion Electric Cooperative	Electric Distributor
Anders	David	PJM Interconnection, LLC	Not Applicable
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Borgatti	Michael	Gable and Associates	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Covino	Susan	PJM Interconnection, LLC	Not Applicable
Fuess	James	PBF Power Marketing LLC	Generation Owner
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Horowitz	Shira	PJM Interconnection, LLC	Not Applicable
Lacey	Frank	Enerwise Global Technologies, Inc.	Other Supplier
Langbein (Chair)	Pete	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
Jim	McAnany	PJM Interconnection, LLC	Not Applicable
Miyaji	Wendell	Enerwise Global Technologies, Inc.	Other Supplier
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rutigliano	Tom	Achieving Equilibrium LLC	Other Supplier
Shparber	Steven	PJM Interconnection, LLC	Not Applicable
Stadlmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Webster	John	Icetek.com, Inc.	Other Supplier
Yeaton (Secretary)	Andrea	PJM Interconnection, LLC	Not Applicable

**Attendees: Teleconference/ WebEx**

<b>Last Name</b>	<b>First Name</b>	<b>Company Name</b>	<b>Sector</b>
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Baxter	Ian	Enerwise Global Technologies, Inc.	Other Supplier
Carangi	Mark	Other	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Caruthers	Anna	FirstEnergy Corporation	Transmission Owner
Caster	Andrew	Constellation NewEnergy, Inc.	Other Supplier



Chen	Xu	Monitoring Analytics, LLC	Not Applicable
Citrolo	John	PSEG Energy Resources and Trade LLC	Transmission Owner
Cornelius	James	North America Power Partners LLC	Other Supplier
Cornett	Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Cox	Edward	Appalachian Power Company	Transmission Owner
Currier	Jeff	Dominion Virginia Power	Not Applicable
Desmarais	Michael	EnerNOC, Inc.	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Farber	John	DE Public Service Commission	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Gantzer	Tom	NetPeak Energy Group LLC	Other Supplier
Gowrishankar	Vignesh	Other	Not Applicable
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Harvey	Colby	Negawatt Business Solutions, Inc.	Other Supplier
Heizer	Fred	Ohio PUC	Not Applicable
Hendrix	Chris	Texas Retail Energy, LLC	Other Supplier
Hewett	Christopher	Virginia Electric & Power Company	Transmission Owner
Hilaski	Steve	Potomac Electric Power Company	Electric Distributor
Hodskins	Jessica	Duke Energy Kentucky, Inc.	Transmission Owner
Horstman	Andrew	Wabash Valley Power Association, Inc.	Other Supplier
Jenkins	Tom	Constellation NewEnergy, Inc.	Other Supplier
Kirkpatrick	Roger	New York ISO	Not Applicable
Klink	Troy	FirstEnergy Corporation	Transmission Owner
Kopon	Owen	Brickfield, Burchette, Ritts & Stone, P.C	Not Applicable
Lacy	Catharine	Dominion Virginia Power	Not Applicable
Lyser	Shelly	Rockland Electric Company	Transmission Owner
Mancuso	Maria	Baltimore Gas and Electric Company	Transmission Owner
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marton	David	FirstEnergy Solutions Corporation	Transmission Owner
Maucher	Andrea	Division of the Public Advocate of the State of Delaware	End User Customer
McAlister	Lisa	American Municipal Power, Inc.	Electric Distributor
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
musilek	james	North Carolina Electric Membership Corporation	Electric Distributor
Nguyen	John	Northern Virginia Electric Cooperative	Electric Distributor
Pach	Darcy	Duke Energy Kentucky, Inc.	Transmission Owner
Polakowski	Ray	Hess Corporation	Other Supplier
Polous	Greg	EnerNOC, Inc.	Other Supplier
Pratzon	David	GT Power Group	Not Applicable
Prendergast	Michael	Public Service Electric & Gas Company	Transmission Owner
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Trevino	Rita	Siemens Industry, Inc.	Other Supplier



Tuschong	Andrew	Duke Energy Business Services, LLC	Generation Owner
Urbn	Greg	Baltimore Gas and Electric Company	Transmission Owner
Warner	Robert	Enerwise Global Technologies, Inc.	Other Supplier
Wehr	Christopher	Metropolitan Edison Company	Transmission Owner
Weinstein	Michael	Appalachian Power Company (AEP Generation)	Transmission Owner
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
WHITE	BARBARA	Demand Response Software	Not Applicable
Whittaker	Greg	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Xenopoulos	Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable

## 1. ADMINISTRATION

1. Roll was called.
2. There were no additions/corrections to the 3/20/14 minutes.
3. PJM will present an updated draft of the emergency procedures.
4. Brief update/discussion of DR related activity in other stakeholder :
  - i. Manual changes for DR as operational resource were presented at last OC. No changes in the manuals will require any resubmission of emergency registrations.
  - ii. Standardization of RPM changes in the intervening years will be discussed at the MRC tomorrow.

## 2. UPDATE ON FERC ORDER DR AS AN OPERATIONAL RESOURCE

Reviewed DR Operational Enhancement filing including review of potential tariff changes for associated Load Management capacity compliance M&V. Also reviewed the redline Manual changes.

## 3. RESIDENTIAL DEMAND RESPONSE PARTICIPATION IN THE PJM SYNCHRONIZED RESERVE MARKET

Discussed potential solution to take 1 minute load data from sample of homes and extrapolate to population to validate reductions for population in Synchronized Reserve market. Key items noted were to survey non-metered population to verify the switch is working, accurately track installs and opt-outs, and verify meter time for 1 minute accuracy and pulse count is accurate. Mobile phone telemetry is used to collect meter data. Next step is to start putting business rules together.

## BREAK

## 4. DEMAND RESPONSE RESIDENTIAL CAPACITY AND ENERGY MARKET MEASUREMENT AND VERIFICATION

PJM reviewed the issue statement approved at the April MIC and draft Issue Charge that will be presented for endorsement at the May MIC. PJM presented background education on the current DR residential capacity and



energy measurement and verification as well as the changes in technology and industry that require the re-evaluation of measurement methods.

**LUNCH**

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

Components were reviewed and updates were made to the matrix. Additional discussion will continue at the next meeting.

**6. REVIEW EMERGENCY ENERGY SETTLEMENT M&V ISSUE STATEMENT (1:45 – 2:15)**

PJM reviewed issue statement that is going to the MIC in May for consideration. This may change how emergency events are settled.

**7. LOAD MANAGEMENT PERFORMANCE REPORT (2:15-3:00)**

PJM reviewed the Load Management Performance Report and pointed out that Figure 2 shows that what was expected was very close to the actual result.

**8. EMERGENCY ALL CALL MESSAGES**

For emergency events, the primary contact is now Electronic Notification (eLRS Web Services), which is generated from eLRS and contains very specific information about what emergency is called the exact registrations being called. Previously, the All Call message was the primary contact for emergency events and will no longer have detailed. In addition, Emergency Messages postings will have additional detail such as Lead Time, Resource Type, Product, etc.

The zone name cross-reference can be found by clicking [here](#), or follow the path: [www.pjm.com](http://www.pjm.com) -> Markets & Operations -> Demand Response -> Demand Response Reference Materials -> PJM Companies by Zone and State.

**9. FUTURE AGENDA ITEMS**

No additional agenda items were identified.

**10. FUTURE MEETING DATES**

Wednesday	5/16/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
Tuesday	6/24/2014	9:30 am – 4:00 pm	Valley Forge, PA, PJM CTC
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
Thursday	9/25/2014	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