

DRAFT MEETING MINUTES

PJM Interconnection Capacity Senior Task Force (CSTF) PJM Conference and Training Center October 16, 2013; 9:30 – 4:30 (Meeting #39)

1. Administration (9:30 – 10:10)

- Mr. Baker called the meeting to order.
- Ms. Fabiano called roll and reviewed the draft minutes from October 9, 2013 (meeting #38). Minutes were
 approved and will be posted as final.
- Ms. Fabiano reminded stakeholders to please update the committee rosters in support of the new voting application coming to the MIC. Stakeholders with questions can contact her.
- Mr. Baker reviewed the agenda and the CSTF Work Plan.

2. Demand Response as an Operational Capacity Resource (10:10 – 12:15) (Issue Tracking)

- Mr. Langbein reviewed the PJM solution package with additional detail, including a change to remove the
 energy market must-offer requirement and create a new trigger for dispatching Demand Response called
 "Capacity DR". See accompanying presentation.
- Additional solution packages were introduced by stakeholders in the meeting. Stakeholders are asked to submit alternative solution packages to the Facilitation Team by October 24th for posting in time for the October 30th meeting.

3. Replacement Capacity / Prospective Capacity Resource Incentives (1:00 – 3:00) (issue tracking)

- The committee reviewed solution packages in the matrix, including additions from:
 - EnerNOC (Ms. Guerry)
 - o Gable Associates (Mr. Borgatti), with accompanying presentation.
 - o GT Power Group (Mr. Pratzon)
 - Exelon (Mr. Barker)
- Stakeholders are asked to submit alternative solution packages to the Facilitation Team by October 24th for
 posting in time for the October 30th meeting.

4. Clearing of Limited DR in RPM (2:50 – 4:30) (Issue Tracking)

- Mr. Falin provided additional analysis on the solution packages currently in the matrix.
- Mr. Bastian provided details on the requested simulation results.



- The committee reviewed the solution packages, including in-meeting additions from LS Power, EnerNOC and Johnson Controls.
- Stakeholders reviewed the procedure and deadline for voting on item 4 Clearing of Limited DR. A Survey
 Monkey link was distributed on October 17 and is due to be completed by 5:00PM on Tuesday, October 22.
 The link to vote was sent out to the Capacity Senior Task Force list serve.

Wrap-up and Future Agenda Items (4:30 – 4:35)

FUTURE MEETING DATES (CLICK ON LINK TO REGISTER)

| October 30, 2013 | 9:30 – 4:30 | In-person & WebEx |
|-------------------|--------------|-------------------|
| November 4, 2013 | 9:30 – 4:30 | In-person & WebEx |
| November 18, 2013 | 9:00 – 12:00 | In-person & WebEx |
| November 25, 2013 | 9:30 – 4:30 | In-person & WebEx |
| December 3, 2013 | 9:30 – 4:30 | In-person & WebEx |
| January 17, 2014 | 9:30 – 4:30 | In-person & WebEx |
| January 31, 2014 | 9:30 – 4:30 | In-person & WebEx |

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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.



Meeting Attendees: In Person

| Last Name | First Name | Company Name | Sector |
|--------------------------|------------|-------------------------------------------------------|--------------------------------------|
| Baker | Scott | PJM Interconnection, LLC | Not Applicable |
| Baran | Eric | Allegheny Electric Cooperative, Inc. | Electric Distributor |
| Barker | Jason | Exelon Business Services Company, LLC | Transmission Owner |
| Bhavaraju | Murty | 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 |
| Carmean | Gregory | Organization of PJM States, Inc. (OPSI) | Not Applicable |
| Ciabattoni | Joseph | PJM Interconnection, LLC | Not Applicable |
| Citrolo | John | PSEG Energy Resources and Trade, LLC | Transmission Owner |
| Dugan | Bill | Customized Energy Solutions, Ltd.* | Not Applicable |
| Engle | Andy | PJM Interconnection, LLC | Not Applicable |
| Fabiano | Janell | PJM Interconnection, LLC | Not Applicable |
| Falin | Tom | PJM Interconnection, LLC | Not Applicable |
| Ford | Adrien | PJM Interconnection, LLC | Not Applicable |
| Guerry | Katie | EnerNoc | Other Supplier |
| Fuess | James | PBF Power Marketing LLC | Generation Owner |
| Hoatson | Tom | Riverside Generating, LLC | Other Supplier |
| Horstmann | John | Dayton Power & Light Company (The) | Transmission Owner |
| Hugee | Jacqulynn | PJM Interconnection, LLC | Not Applicable |
| Hyzinski | Thomas | PPL EnergyPlus, L.L.C. | Transmission Owner |
| Jett | William | Duke Energy Business Services LLC | Generation Owner |
| Keech | Adam | PJM Interconnection, LLC | Not Applicable |
| Kerecman | Joseph | Calpine Energy Services, L.P. | Generation Owner |
| Kogut | George | New York Power Authority | Other Supplier |
| Kormos | Mike | PJM Interconnection, LLC | Not Applicable |
| Langbein | Pete | PJM Interconnection, LLC | Not Applicable |
| Lieberman | Steven | Old Dominion Electric Cooperative | Electric Distributor |
| Mabry | David | McNees Wallace & Nurick LLC | Not Applicable |
| Miller | David | FirstEnergy Solutions Corporation | Transmission Owner |
| O'Connell | Robert | | Other Supplier |
| Philips | Marjorie | JPMorgan Ventures Energy Corporation Hess Corporation | Other Supplier Other Supplier |
| Pratzon | David | GT Power Group | Not Applicable |
| Riding | M.Q. | Essential Power OPP, LLC | Transmission Owner |
| Rocha | Patricio | PJM Interconnection, LLC | |
| | John | · | Not Applicable Electric Distributor |
| Rohrbach | | Southern Maryland Electric Cooperative | |
| Salaneck | Alexandra | Monitoring Analytics, LLC | Not Applicable |
| Sasser | Jonathan | PJM Interconnection, LLC | Not Applicable |
| Scarpignato Scholdanker | David | Direct Energy Business, LLC | Other Supplier |
| Scheidecker Schefield | Paul | PJM Interconnection, LLC | Not Applicable |
| Schofield | William | Customized Energy Solutions, Ltd.* | Not Applicable |
| Scoglietti | Barbara | Tangent Energy Solutions, Inc. | Other Supplier |
| Stadelmeyer | Rebecca | Exelon Business Services Company, LLC | Transmission Owner |
| Stuchell | Jeff | FirstEnergy Solutions Corporation | Transmission Owner |
| Walter | Laura | PJM Interconnection, LLC | Not Applicable |
| Wilson | James | Wilson Energy Economics | Not Applicable |



Meeting Attendees: Teleconference/ WebEx

| Last Name | First Name | Company Name | Sector |
|------------------|-----------------|-----------------------------------------------------------------------|-------------------------------|
| Ainspan | Malcolm | Energy Curtailment Specialists, Inc. | Other Supplier |
| Alston | Rick | Old Dominion Electric Cooperative | Electric Distributor |
| Burns | Wil | Burns Law Firm | Not Applicable |
| Carretta | Kenneth | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Clover | Bernita | Duguesne Light Company | Transmission Owner |
| Currier | Jeff | Virginia Electric & Power Company | Transmission Owner |
| DeNavas | Joe | Potomac Electric Power Company | Electric Distributor |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Evrard | David | Pennsylvania Office of Consumer Advocate | End Use Customer |
| Fahey | Reem | Edison Mission Marketing & Trading, Inc. | Generation Owner |
| Farber | John | DE Public Service Commission | Not Applicable |
| Feierabend | Rick | Dominion Virginia Power | Not Applicable |
| Filomena | Guy | Customized Energy Solutions, Ltd.* | Not Applicable |
| Fitch | Neal | GenOn Energy Management, LLC | Generation Owner |
| Flaherty | Dale | Duquesne Light Company | Transmission Owner |
| Fort | Jim | The Energy Authority | Other Supplier |
| Freeman | Al | Michigan Public Service Commission | Not Applicable |
| Gil | David | NextEra Energy Power Marketing, LLC | Generation Owner |
| Gilani | Rehan | ConEdison Energy, Inc. | Other Supplier |
| Glazer | Craig | PJM Interconnection, LLC | Not Applicable |
| Greening | Michele | PPL EnergyPlus, L.L.C. | Transmission Owner |
| Griffiths | Dan | Pennsylvania Office of Consumer Advocate | End User Customer |
| Hall II | Walter | Maryland Public Service Commission | Not Applicable |
| Hastings | David | DHAST Co. | Not Applicable |
| Heidorn | Rich | RTO Insider | Media |
| Higgins | Craig | North Carolina Electric Membership Corporation | Electric Distributor |
| Horton | Dana | Appalachian Power Company | Transmission Owner |
| Howley | Rachel | Hess Corporation | Other Supplier |
| Jablonski | James | Borough of Butler, Butler Electric Division | Electric Distributor |
| Jennings | Kenneth | | |
| _ | Carl | Duke Energy Business Services Long Island Lighting Company d/b/a LIPA | Generation Owner |
| Johnson | | PEPCO Holdings, Inc. | Other Supplier Not Applicable |
| Knapp Leimann | Chester John | | |
| | | Dominion Virginia Power | Not Applicable |
| Litchfield | Matt | | |
| Mancuso | Maria | Baltimore Gas and Electric Company | Transmission Owner |
| Marton | David | FirstEnergy Solutions Corporation | Transmission Owner |
| Marzewski | Skyler | Monitoring Analytics, LLC | Not Applicable |
| Maucher | Andrea | Division of the Public Advocate of the State of Delaware | End User Customer |
| McAlister | Lisa | American Municipal Power, Inc. | Electric Distributor |
| McDonald | Steve | Customized Energy Solutions, Ltd.* | Not Applicable |
| Miller | John | Commonwealth Edison Company | Transmission Owner |
| Mok | Alan | Duke Energy Kentucky, Inc. | Transmission Owner |
| Moss | Skip | Monitoring Analytics | Not Applicable |
| Musilek | Jim | North Carolina Electric Membership Corporation | Electric Distributor |
| Norton | Chris | American Municipal Power, Inc. | Electric Distributor |
| Ondayko | Brock | Appalachain Power Company | Transmission Owner |
| Orlando | Jim | Northern Indiana Public Service Company | Other Supplier |
| Pach | Darcy | Duke Energy Kentucky, Inc. | Transmission Owner |
| Pakela | Greg | DTE Energy Trading, Inc. | Other Supplier |
| Perrotti | Frank | New Jersey Board of Public Utilities | Not Applicable |



| Polakowski | Ray | Hess Corporation | Other Supplier |
|------------|----------|------------------------------------------------------------|--------------------|
| Powers | Sean | Linde Energy Services, Inc. | End User Customer |
| Price | Dann | Constellation NewEnergy, Inc. | Other Supplier |
| Rushing | Nathan | CPV Maryland, LLC | Generation Owner |
| Rutigliano | Tom | Achieving Equilibrium, LLC | Other Supplier |
| Schafer | Steve | SCL | |
| Scott | Mark | Monument Energy LLC | None |
| Shanker | Roy | H.Q. Energy Services (U.S.), Inc. | Other Supplier |
| Sitaraman | Nicole | Office of the Peoples Counsel for the District of Columbia | End User Customer |
| Sotkiewicz | Paul | PJM Interconnection, LLC | Not Applicable |
| Sudhakara | Raghu | Rockland Electric Company | Transmission Owner |
| Summers | Theodore | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Swalwell | Brad | Tangent Energy Solutions, Inc. | Other Supplier |
| Trayers | Barry | Citigroup Energy, Inc. | Other Supplier |
| VanderHelm | Kyle | Tenaska Power Services Co. | Generation Owner |
| Wehr | Chris | Metropolitan Edison Company | Transmission Owner |
| Wilmoth | Emily | Dominion Virginia Power | Not Applicable |
| Wolfe | Samuel | Viridity Energy, Inc. | Other Supplier |
| Xenopoulos | Damon | Brickfield, Burchett, Ritts, and Stone, PC | Not Applicable |