

**Underperformance Risk Management Senior Task Force (URMSTF)
PJM Conference and Training Center
June 28, 2016
9:30 a.m. – 4:00 p.m. EPT**

Administration

1. Ms. Rebecca Carroll, PJM, and Ms. Susan Kenney, PJM, provided administrative updates, performed roll call, and reviewed the Anti-Trust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
2. Minutes from the June 16, 2016 Underperformance Risk Management Senior Task Force meeting were approved with **0 objections and 0 abstentions**.

Underperformance Risk Management CBIR Process

3. Ms. Rebecca Carroll, PJM, led a discussion to review the stakeholder interests and the common themes identified for the Underperformance Risk Management topic.
4. Ms. Carroll led a discussion to review the design components developed and presented at the June 2, 2016 meeting. In order to improve clarity on certain design components and solution options, supporting details will be added to the Design Component Details and Option Details tabs of the matrix and will be posted prior to the next meeting.
5. Stakeholders discussed potential solutions options for design components. An updated version of the matrix was posted for stakeholder review following the conclusion of the meeting.

External Capacity Performance Enhancements Education

6. Mr. Asanga Perera, PJM, presented education regarding Firm Flow Entitlements (FFE) and Firm Flow Limits (FFL).

ECPE CBIR Process

7. Ms. Rebecca Carroll, PJM, led a discussion to review the stakeholder interests and the common themes identified for the External Capacity Performance Enhancements topic.
8. Ms. Carroll led a discussion to review the design components developed and presented at the June 16, 2016 meeting.
9. Ms. Carroll led a discussion to review the solution options for the identified design components.

Meeting Recap and Future Agenda Items

Future Meeting Dates

July 15, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
July 29, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx

August 17, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
August 31, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
September 12, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
September 19, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
October 13, 2016	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
October 19, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
November 10, 2016	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
November 21, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
December 7, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
December 21, 2016	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx

In Attendance

Carroll, Rebecca (Facilitator)	PJM Interconnection, LLC	Not Applicable
Kenney, Susan (Secretary)	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Berner, Aaron	PJM Interconnection, LLC	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Coll, Daniel	PJM Interconnection, LLC	Not Applicable
Del Viscio, Michael	PJM Interconnection, LLC	Not Applicable
Esterly, Terri	PJM Interconnection, LLC	Not Applicable
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Hagaman, Derek	GT Power Group	Not Applicable
Johnson, Nick	Tenaska Power Services Co.	Generation Owner
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Millitello, Nicole	PJM Interconnection, LLC	Not Applicable
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Rich, Edward	PJM Interconnection, LLC	Not Applicable
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Stadelmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Yannarell, Dave	Talen Energy Marketing, LLC	Generation Owner

In Attendance via WebEx / Conference call

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Barnowski, John	PJM Interconnection, LLC	Not Applicable
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bonner, Charles	Dominion Virginia Power	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner

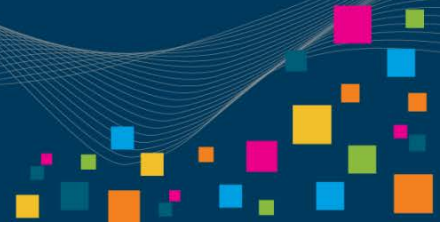


Minutes

Collins, Leonard	State of Delaware	Not Applicable
Coyle ES, Billy	Dominion Virginia Power	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Currier, Jeff	Virginia Electric & Power Company	Transmission Owner
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Davis, Connie	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
Demuynck, Rene	New Jersey Board of Public Utilities	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Esposito-Hils, Pati	TransCanada Power Marketing Ltd.	Generation Owner
Farber, John	DE Public Service Commission	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing, LLC	Generation Owner
Foladare, Kenneth	Tangibl, LLC	Generation Owner
Fondacci, Luis	North Carolina Electric Membership Corporation	Electric Distributor
Griener, Gary	PSEG Energy Resources and Trade, LLC	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hagaman, Derek	GT Power Group	Not Applicable
Hart, Joy	North Carolina Electric Membership Corporation	Electric Distributor
Hastings, David	DhastCo	Not Applicable
Helmick, Douglas	Keystone Projects	Not Applicable
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hudis, Garbiella	Gabel & Associates	Not Applicable
Hugee, Jacqui	PJM Interconnection, LLC	Not Applicable
Hyzinski, Tom	Talen Energy Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Kothakapu, Rakesh	Illinois Municipal Electric Agency	Electric Distributor
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Loudenburg, Zack	Pennsylvania Renewable Resources, Associates	Generation Owner
Mabry, Dave	McNees Wallace & Nurick LLC	Not Applicable
Manning, James	North Carolina Electric Membership Corporation	Electric Distributor
Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Matheson, Doug	EnerNOC, Inc.	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nichols, Lloyd	Rainbow Energy Marketing Corporation	Other Supplier
O'Connor, Siobhan	Energy Authority, Inc. (The)	Other Supplier
Ondayko, Brock	Appalachain Power Company	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	Not Appllicable
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patten, Kevin	Appalachain Power Company	Transmission Owner
Rajan, Abhijit	Dominion Resources	Not Applicable
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable
Reid, Ryan	Buckeye Power, Inc.	Electric Distributor
Riding, MQ	Essential Power OPP, LLC	Transmission Owner
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rugh, Chris	EverPower Commercial Services, LLC	Generation Owner
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Singer, Chad	Fellon McCord	Not Applicable
Thomson, Heather	Mid-Atlantic Renewable Energy	Not Applicable
Vargo, Dan	Allegheny Electric Cooperative, Inc.	Electric Distributor
Webster, John	Icetec.com, Inc.	Other Supplier



Minutes



Wehr, Christopher
Wilhite, Chad
Williams, Stan
Wilmoth, Emily
Yu, Joel

Metropolitan Edison Company
FirstEnergy Solutions Corp.
PJM Interconnection, LLC
Dominion Virginia Power
Rockland Electric Company

Transmission Owner
Transmission Owner
Not Applicable
Not Applicable
Transmission Owner

Author: S. Kenney
