

Members Committee
One Hundred Eighty-second Meeting
Chase Center on the Riverfront, Wilmington, DE
October 25, 2018
1:15 p.m. – 5:00 p.m. EPT

Administration (1:15-1:20)

- A. Mr. Anders announced the following new member companies approved for PJM membership since the last meeting, bringing the total membership to 1054:
- ADG Group Inc. (Voting Member) selected the Other Supplier sector
 - AMP Transmission, LLC (Affiliate Member) selected the Transmission Owner sector
 - Avangrid Networks, Inc. (Affiliate Member) selected the Other Supplier sector
 - NTherm, LLC (Affiliate Member) selected the Other Supplier sector

Mr. Anders noted that two members had withdrawn since the last meeting.

- B. Mr. Anders confirmed the presence of a quorum.
- C. Mr. Anders reminded participants of Antitrust and Code of Conduct requirements.

Mr. Mike Borgatti noted the following additions to the agenda:

- Regulation Market Pricing Issue – Mr. Jim Davis, Dominion Energy, moved and Mr. Susan Bruce, PJM Industrial Customer Coalition seconded addition of this item to the agenda; there were no objections.
- Summer-Only Demand Response Issue – Mr. Greg Poulos, Office of the People's Counsel for the District of Columbia, moved and Ms. Ruth Ann Price, Delaware Division of the Public Advocate seconded addition of this item to the agenda; there were no objections.
- Day Ahead Market Timeline Update – Ms. Adrien Ford, ODEC, moved and Mr. David Scarpignato, Calpine, seconded addition of this item to the agenda; there were no objections. Similarly, there were no objections to adding this item to the Consent Agenda.

Mr. Carl Johnson requested that the following items be moved to the Consent Agenda:

- Proposed Tariff and OA revisions associated with Transmission Constraint Penalty Factors
- The 2018 Reserve Requirements Study results (IRM, FPR)

There were no objections and therefore they were added to the Consent Agenda.

Consent Agenda (1:20-1:25)

Items A through E were **approved** by acclamation with no objections or abstentions.

- A. Draft minutes of the September 27, 2018 meetings
- B. Proposed Tariff and Operating Agreement (OA) revisions developed by the Governing Documents Enhancement & Clarification Subcommittee (GDECS)

- C. Proposed Tariff revisions associated with a Day Ahead Market Timeline Update
- D. Proposed Tariff and OA revisions associated with Transmission Constraint Penalty Factors
- E. The 2018 Reserve Requirements Study results (IRM, FPR)

Endorsements/Approvals (1:25-2:40)

1. Opportunity Cost Calculator (1:25-1:45)

- A. Mr. Stu Bresler reviewed progress to date on PJM's review and approval of the Independent Market Monitor's Opportunity Cost Calculator.
- B. Mr. Bob O'Connell, Panda, discussed the proposed OA Schedule 2 revisions related to Opportunity Cost Calculators. He moved and Mr. John Rohrbach, on behalf of SMECO, seconded deferral of voting to approve the proposed OA revisions until the January 24, 2019 Members Committee meeting, and for PJM and the Independent Market Monitor develop proposed Manual 15: Cost Development Manual revisions to document the IMM's Opportunity Cost Calculator. Following discussion, the motion to defer was **approved** by acclamation with no objections or abstentions.

2. M15: Cost Development Manual Biannual Review (1:45-1:55)

Mr. Tom Hauske reviewed draft revisions to M15: Cost Development Manual developed through the required biannual review. Following discussion, the proposal was **approved** by acclamation with no objections or abstentions.

3. Market Seller Offer Cap Balancing Ratio Proposal (1:55-2:10)

Mr. Pat Bruno reviewed proposed Tariff revisions related to the market seller offer cap balancing ratio. Following discussion, the proposal was **failed** in a sector-weighted vote with 3.30 in favor.

4. Super Forum (2:25-2:40)

Mr. Mike Borgatti reviewed a proposed problem statement and issue charge related to potential enhancements to the stakeholder process developed in response to feedback gathered in the Stakeholder Process Super Forum held on July 25, 2018. Ms. Tonja Wicks, Duquesne Light, offered a proposed friendly amendment to modify the second bullet of specific issues to be addressed in the Problem Statement and item 2.b in the Issue Charge as follows: "Develop an additional pathway **or pathways** for vetting issues that are contentious or must be decided quickly". There were no objections, and therefore this was incorporated into the Problem Statement and Issue Charge. Mr. Jason Barker offered a proposed friendly amendment to the Issue Charge to change the start date to January, 2019. There were no objections and therefore this was added to the Issue Charge. Following discussion, the proposed Problem Statement and Issue Charge were **approved** by acclamation with no objections or abstentions.

5. Nominating Committee (2:50-3:00)

Mr. Anders presented the candidates for membership on the 2018-2019 Nominating Committee. Following discussion, the candidates were **elect**ed by acclamation with no objections or abstentions.

4. Regulation Market Pricing Issue (10:35-10:55)

Ms. Lisa Morelli discussed the proposed short-term solution to address recent regulation market clearing price issues. Following discussion, the committee **endor**sed the proposed revisions by acclamation with four objections and two abstentions.

5. Summer-Only Demand Response (10:55-11:20)

Ms. Rebecca Carrol discussed the proposal to value summer-only demand response resources. Following discussion, the committee **endor**sed the main motion in a sector-weighted vote with 3.69 in favor.

First Readings (3:00-3:00)

None

Reports (3:00-3:20)

6. MC Vice Chair Report (3:00-3:15)

- A. Mr. Borgatti provided an update on the Members Committee Annual Plan.
- B. Mr. Borgatti provided a report on the October 3, 2018 Liaison Committee meeting with the PJM Board of Managers.

7. Webinar Feedback (3:15-3:20)

There were no items identified for discussion from the October 22, 2017 Members Committee Webinar.

Future Agenda Items (3:20)

No new future agenda items were identified.

Future Meeting Dates

December 6, 2018

1:15 p.m.

Valley Forge, PA

Author: D.A. Anders

Chair, Vice Chair and Secretary

LAST NAME	FIRST NAME	COMPANY	SECTOR
Borgatti	Michael	Gable and Associates	Generation Owner
Dugan	Chuck	East Kentucky Power Cooperative	Transmission Owner
Anders	David	PJM Interconnection	Not Applicable

Voting Participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Aguilar	Fabiano	Strom Power, LLC	Other Supplier
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Bayless	Charles	North Carolina Electric Membership Corporation	Electric Distributor
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bickerstaff	Dean	Hartree Partners	Other Supplier
Birnel	William	Westar Energy, Inc.	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Eagle Point Power Generation, LLC	Generation Owner
Borgatti	Michael	Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Longview Power, LLC	Generation Owner
Borgatti	Michael	Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	York County Solid Waste and Refuse Authority	Generation Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	ArcelorMittal USA LLC	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Linde, LLC	End-Use Customer

Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Praxair, Inc.	End-Use Customer
Bruce	Susan	Procter & Gamble Paper Products Company (The)	Generation Owner
Bruce	Susan	Wellsboro Electric Company	Electric Distributor
Campbell	Bruce	Enerwise Global Technologies, Inc.	Other Supplier
Campbell	Bruce	MidAtlantic Power Partners, LLC	Other Supplier
Davis	Jim	Dominion Energy	Generation Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Christian	PBF Power Marketing LLC	Generation Owner
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Giles	Steven	Allegheny Electric Cooperative, Inc.	Electric Distributor
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Hastings	David	MICS	Other Supplier
Hastings	David	Northstar Trading Ltd.	Other Supplier
Hastings	David	Saracen Energy East, L.P.	Other Supplier
Hastings	David	SESCO Enterprises, LLC	Other Supplier
Hastings	David	Solios Power Mid-Atlantic Trading, LLC	Other Supplier
Hastings	David	Tenaska Power Services Co.	Generation Owner
Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson	Tom	LS Power	Not Applicable
Hoatson	Tom	Renaissance Power & Gas, Inc.	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Generation Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Hudis	Gabriella	Jersey Green Energy, LLC	Other Supplier
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Thomas	Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner

Janicki	Diane	Boston Energy Trading And Marketing	Other Supplier
Johnson	Carl	Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Galt Power, Inc.	Other Supplier
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kopinski	John	ITC Interconnection LLC	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Melnyk	Markian	Atlantic Grid Operations A, LLC	Other Supplier
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Pakela	Gregory	DTE Energy Trading	Other Supplier

Pakula	Maggie	Invenergy, LLC	Generation Owner
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Philips	Marji	Direct Energy Business, LLC	Other Supplier
Poulos	Greg	Consumer Protection and Advocate Division of the Tennessee Attorney General	End-Use Customer
Poulos	Greg	Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	Illinois Citizen Utility Board	End-Use Customer
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	Office of the People's Counsel for the District of Columbia	End-Use Customer
Poulos	Greg	Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Virginia Division of Consumer Counsel	End-Use Customer
Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Pratzon	David	Eastern Generation, LLC	Generation Owner
Pratzon	David	Essential Power Rock Springs, LLC	Transmission Owner
Pratzon	David	Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Price	Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd*	Not Applicable
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schreim	Morris	Maryland Public Service Commission	Not Applicable
Shah	Pulin	PECO Energy Company	Transmission Owner
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Stewart	Travis	Gabel Associates	Not Applicable
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner

Sweeney	Rory	RTO Insider	Not Applicable
Toomey	Megan	Talen Energy Marketing, LLC	Generation Owner
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Tyler	Catherine	Monitoring Analytics	Not Applicable
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	The Borough Of Park Ridge New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Whitehead	Jeffrey	GT Power Group	Not Applicable
Wicks	Tonja	Duquesne Light Company	Transmission Owner
Wilkie	Brian	Rockland Electric Company	Transmission Owner

Non-Voting Participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Abend	Erik	Erik Abend Consulting	Not Applicable
Ainspan	Malcolm	NRG	Other Supplier
Wolfe	Alice	The Blue Ridge Power Agency	Electric Distributor
Benson	Ed	NextEra Energy	Other Supplier
Brodbeck	John	EDP Renewables	Generation Owner
Chung	Taewoo	Millennium	Not Applicable
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Dalessandris	Lou	First Energy	Not Applicable
Delosa	Joe	New Jersey Board Of Public Utilities	Not Applicable
Depillo	Ray	PSEG	Other Supplier
Dolan	Ryan	American Municipal Power	Electric Distributor
Domian	Christin	Duquesne Light	Transmission Owner
Esposito	Pat	Ata Energy	Not Applicable
Feller	John	PPL	Transmission Owner

Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Foladare	Ken	Tangibl	Not Applicable
Gilani	Rehan	ConEdison Energy	Other Supplier
Greco	Steven	NextEra	Other Supplier
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle	Vince	UGI Energy Services	Generation Owner
Heinle	Erik	DC People's Counsel	End-use Customer
Huntoon	Steve	Chesapeake Transmission	Not Applicable
Hyatt	John	Monitoring Analytics	Not Applicable
Jha	Monica	Power Costs	Not Applicable
John	Peoples	Duquesne Light Company	Transmission Owner
Kaczanowski	Marek	Baltimore Gas & Electric	Transmission Owner
Knerschild	Jenny	ODEC	Electric Distributor
Little	John	North Carolina Public Staff	End-use Customer
Logan	Sharon	FERC	Not Applicable
Long	Greg	AK Steel	End-use Customer
Lowe	Connie	Dominion Energy	Generation Owner
Mahila	Christopher	The Public Utilities Commission Of Ohio	Not Applicable
Mariam	Yohannes	OPC-DC	End-use Customer
Martin	Valerie	Federal Energy Regulatory Commission	Not Applicable
McDaniel	John	Baltimore Gas & Electric	Transmission Owner
Muhl	*Nancy	CommLine	Not Applicable
Norton	Chris	American Municipal Power	Electric Distributor
O'Boyle	Brian	Rockland Electric	Transmission Owner
Ondayko	Brock	American Electric Power	Not Applicable
Peoples	John	Duquesne Light Company	Transmission Owner
Schultheis	Dan	Exelon	Transmission Owner
Segner	Sharon	LS Power	Not Applicable
Singer	Chad	Trane Grid Services LLC	Other Supplier
Stone	Andy	Gabel Associates	Not Applicable
Thompson	Matthew	XO Energy	Other Supplier
Trayers	Barry	Citigroup Energy Inc	Other Supplier
Vargo	Daniel	Allegheny Electric Cooperative	Electric Distributor
Walker	Jennifer	Exelon	Transmission Owner

PJM

LAST NAME	FIRST NAME	COMPANY	SECTOR
Boyle	Glen	PJM Interconnection	Not Applicable
Bresler	Stu	PJM Interconnection	Not Applicable
Bruno	Patrick	PJM Interconnection	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Cummings	Bridgid	PJM Interconnection	Not Applicable
Driscoll	MaryEllen	PJM Interconnection	Not Applicable
Falin	Thomas	PJM Interconnection	Not Applicable
Foster	Denise	PJM Interconnection	Not Applicable
Hendrzak	Chantal	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Herling	Steve	PJM Interconnection	Not Applicable
Horger	Tim	PJM Interconnection	Not Applicable
Kenney	Susan	PJM Interconnection	Not Applicable
Larocque	Matthew	PJM Interconnection	Not Applicable
Lu	Chenchao	PJM Interconnection	Not Applicable
Monzon	Stephanie	PJM Interconnection	Not Applicable
Morelli	Lisa	PJM Interconnection	Not Applicable
O'Brien	Tom	PJM Interconnection	Not Applicable
Phillips	Darlene	PJM Interconnection	Not Applicable
Pilong	Chris	PJM Interconnection	Not Applicable
Ritchie	Sandra	PJM Interconnection	Not Applicable
Schmitt	Jeff	PJM Interconnection	Not Applicable
Stadelmeyer	Rebecca	PJM Interconnection	Not Applicable
Trivulski	Jen	PJM Interconnection	Not Applicable
Ward	Michael	PJM Interconnection	Not Applicable