

Members Committee
One Hundred Eighty-first Meeting
PJM Conference and Training Center, Audubon, PA
September 27, 2018
1:15 p.m. – 5:00 p.m. EPT

Administration

A. Mr. Anders announced the following new member companies approved for PJM membership since the last meeting, bringing the total membership to 1052:

- Alternative Transmission Inc. (Affiliate Member) selected the Other Supplier sector
- Anbaric Development Partners, LLC (Affiliate Member) selected the Other Supplier sector
- Bowfin KeyCon Power, LLC (Affiliate Member) selected the Generation Owner sector
- Citadel FNGE Ltd. (Voting Member) selected the Other Supplier sector
- Geodesic 2 LLC (Voting Member) selected the Other Supplier sector
- LEPPM, LLC (Voting Member) selected the Other Supplier sector
- Prime Trading, LLC (Voting Member) selected the Other Supplier sector
- QPH CAPITAL, LLC (Voting Member) selected the Other Supplier sector
- R2M Technologies Inc. (Voting Member) selected the Other Supplier sector
- Renewable Energy Aggregators Inc. (Voting Member) selected the Generation Owner sector

Mr. Anders noted that three members had withdrawn and four more members in default have had their membership rights terminated since the last meeting.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.

Consent Agenda

Items A and B were **approved** by acclamation with no objections or abstentions.

- A. Draft minutes of the July 26 and August 23, 2018 meetings
- B. Proposed Open Access Transmission Tariff (OATT) and the Reliability Assurance Agreement (RAA) revisions associated with the registration process for aggregated seasonal Demand Response resources

Endorsements/Approvals

1. Financial Transmission Right (FTR) Liquidation Process
- A. Ms. Suzanne Daugherty reviewed proposed Operating Agreement (OA) and Tariff revisions associated with FTR default liquidation. Following discussion, Proposal B was **approved/endorsed** in a sector-weighted vote with 4.01 in favor.
- B. This item was withdrawn.

2. Market Efficiency Process Enhancement Proposal

Mr. Nicolae Dumitriu Market Efficiency reviewed the phase 1 proposal developed at the Market Efficiency Process Enhancement Task Force (MEPETF) including associated OA revisions. Following discussion, the proposed OA revisions were **approved** in a sector-weighted vote with 4.41 in favor.

3. Opportunity Cost Calculator

Mr. Stu Bresler and Dr. Joe Bowring discussed the recent events related to the PJM and Independent Market Monitor's (IMM) Opportunity Cost Calculators (OCC), and an agreement reached between PJM and the IMM regarding a plan to facilitate PJM approving results of the IMM's OCC on an expedited basis. Mr. Bob O'Connell, Panda, moved and Mr. John Rohrbach, ACES on behalf of SMECO, seconded deferring vote on the proposed OA revisions. The Members present **approved** the motion by acclamation with no objections or abstentions.

4. Variable Operations and Maintenance (VOM)

Mr. Greg Poulos, CAPS, and Ms. Ruth Ann Price, DE Office of the Peoples' Counsel, objected to voting on the issue on this same day that the Markets & Reliability Committee voted on it. Following discussion, the Members present **approved** voting the issue at this meeting in a sector-weighted vote 3.10 with in favor (note that the threshold for approval of this vote was simple majority or 2.50). Following discussion, the proposal was **failed** in a sector – weighted vote with 2.92.

5. Quadrennial Review

Mr. Carl Johnson, PJM Public Power Coalition, moved and Mr. Bob O'Connell seconded that the voting results of the September 27, 2018 MRC be accepted and that the detailed voting reports be provided to the PJM Board of Managers. Following discussion, the PJM proposal was **approved** by acclamation with one objection and no abstentions.

6. Liaison Committee (LC) Charter

Mr. Greg Poulos, CAPS on behalf of DC Office of the Peoples' Counsel, moved and Ms. Ruth Ann Price, DE Division of the Public Advocate, seconded a motion to grant exception to the LC charter addressing attendance at the October 3, 2018 LC meeting with the Board of Managers. Mr. Bob O'Connell moved and Mr. Barry Trayers, Citigroup Energy, Inc. seconded to suspend the rules and not publically produce a detailed voting report of the results of Mr. Poulos' motion. The motion to suspend the rules and not publically produce detailed voting reports was **approved** in a sector-weighted vote with 3.42 in favor. Following discussion, the motion to grant exception **failed** in a sector-weighted vote with 2.43 in favor.

First Readings

7. Super Forum

Mr. Mike Borgatti provided a first reading of 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. The committee may be asked to approve the proposed problem statement and issue charge at its next meeting.

Reports

8. MC Vice Chair Report

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

9. Webinar Feedback

There were no items identified for discussion from the September 24, 2017 Members Committee Webinar.

Future Agenda Items

No new future agenda items were identified.

Future Meeting Dates

October 25, 2018	1:15 p.m.	Wilmington, DE
December 6, 2018	1:15 p.m.	Wilmington, DE

Author: D.A. Anders

Chair, Vice Chair, and Secretary

Borgatti	Michael	Gable and Associates	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Anders	David	PJM Interconnection	Not Applicable

Voting participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Benetti	Alex	Dayton Power & Light Company (The)	Transmission Owner

Bickerstaff	Dean	Hartree Partners, LP	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bleiweis	Bruce	Vitol Inc.	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
Canter	David	Appalachian Power Company	Transmission Owner
Chintapalli	Raj	BP Energy Company	Other Supplier
Chu	Michael	Forest Investment Group, LLC	Other Supplier
Cox	Jason	EDF Trading North America, LLC	Other Supplier
Cromarty	Chloe	Mercuria Energy America, Inc.	Other Supplier
Crystle	Gil	UGI Development Company	Generation Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner

Ford	Adrien	ODEC	Electricity Distributor
Gahimer	Michael	Indiana Office of Utility Consumer Counselor (IN OUC)	End-Use Customer
Giles	Steven	Allegheny Electric Cooperative, Inc.	Electric Distributor
Gorman	Kevin	The Highlands Energy Group, LLC	Other Supplier
Guler	Teoman	Apogee Energy Trading LLC	Other Supplier
Guler	Teoman	J. Aron & Company LLC	Other Supplier
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
Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson	Tom	LS Power	Generation Owner
Hoatson	Tom	Riverside Generating, LLC	Generation Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
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 & Marketing	Other Supplier
Jardot	Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jens	Tom	Black Oak Capital, LLC	Other Supplier
Jiles	Steven	Allegheny Electric Cooperative	Electricity Distributor
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
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Landis	Daniel	Hemsworth Capital, L.P.	Other Supplier
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Lieberman	Steven	Borough of Butler, Butler Electric Division	Electric Distributor
Lieberman	Steven	Borough of Lavallette, New Jersey	Electric Distributor
Lieberman	Steven	Borough of Madison, New Jersey	Electric Distributor
Lieberman	Steven	Borough of Milltown, New Jersey	Electric Distributor
Lieberman	Steven	Borough of Park Ridge, New Jersey	Electric Distributor
Lieberman	Steven	Borough of Pemberton, New Jersey	Electric Distributor
Lieberman	Steven	Borough of Seaside Heights, New Jersey	Electric Distributor
Lieberman	Steven	Borough of South River, New Jersey	Electric Distributor
Lieberman	Steven	Vineland Municipal Electric Utility	Electric Distributor
Melnyk	Markian	Atlantic Grid Operations A, LLC	Other Supplier
Nicolay	Christi	Macquarie Energy, LLC	Other Supplier
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Olson	Chad	Manatee Transmission LLC	Other Supplier
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	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	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	Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Ramsey	James	Suffolk Fund LLC	Other Supplier
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Shparber	Steve	Carolina Solar Energy III, LLC	Other Supplier
Shparber	Steve	Syncarpha Solar, LLC	Generation Owner
Simpson	Daniel	Apogee Energy Trading LLC	Other Supplier
Singer	Chad	Trane Grid Services LLC	Other Supplier
Skucas	Ruta	Aeon Energy Trading LLC	Other Supplier
Skucas	Ruta	Alphataraxia Palladium LLC	Other Supplier
Skucas	Ruta	Ames Energy, LLC	Other Supplier
Skucas	Ruta	Big Bend Trading, LLC	Other Supplier
Skucas	Ruta	BJ Energy, LLC	Other Supplier
Skucas	Ruta	Dufossat Capital I, LLC	Other Supplier
Skucas	Ruta	Endurance Energy Midwest LLC	Other Supplier
Skucas	Ruta	Energya VM Gestion de Energia S.L.U.	Other Supplier
Skucas	Ruta	Falcon Energy, LLC	Other Supplier
Skucas	Ruta	Great Bay Energy III, LLC	Other Supplier
Skucas	Ruta	Greene Energy NE LLC	Other Supplier
Skucas	Ruta	Hexis Energy Trading, LLC	Other Supplier
Skucas	Ruta	Liberty Hill Power, LLC	Other Supplier
Skucas	Ruta	MAG Energy Solutions, Inc.	Other Supplier
Skucas	Ruta	Monterey MA, LLC	Other Supplier
Skucas	Ruta	Precept Power LLC	Other Supplier

Skucas	Ruta	Pure Energy, Inc.	Other Supplier
Skucas	Ruta	Red Wolf Energy Trading, LLC	Other Supplier
Skucas	Ruta	Red Wolf PT, LLC	Other Supplier
Skucas	Ruta	Taller Cube, LLC	Other Supplier
Skucas	Ruta	Velocity American Energy Master I, L.P.	Other Supplier
Skucas	Ruta	XO Energy MA, L.P.	Other Supplier
Spears	James	BioUrja Power, LLC	Other Supplier
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Whitehead	Jeffrey	Direct Energy Business, LLC	Other Supplier
Whitehead	Jeffrey	Neptune Regional Transmission System, LLC	Transmission Owner
Wilkie	Brian	Rockland Electric Company	Transmission Owner
Zhu	Min	Jane Street Energy Trading, LLC	Other Supplier

NonVoting Participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Abend	Erik	Erik Abend Consulting	Not Applicable
Ainspan	Malcolm	NRG Energy	Other Supplier
Bowring	Joe	Monitoring Analytics	Not Applicable
Brooks	Michael	RTO Insider	Not Applicable
Canchi	Devendra	Monitoring Analytics	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Carter	Eugene	American Power Net	Not Applicable
Chandler	Kent	The Kentucky Attorney General	End User Customer
Dalessandris	Lou	FirstEnergy	Transmission Owner
Depillo	Raymond	PSEG Energy Resources and Trade LLC	Transmission Owner
Duensing	Allison	Saracen	Other Supplier
Esposito	Pat	A2A Energy	Not Applicable
Filomena	Guy	Customized Energy Solutions	Not Applicable
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Gilani	Rehan	Coned Energy	Other Supplier
Grau	Patrick	Apogee	Other Supplier
Hansen	Noah	Nimpa	Electric Distributor
Heinle	Frederick	Office of the People's Counsel	End User Customer
Huntoon	Steve	Energy Counsel LLC	Not Applicable

Hyatt	John	Monitoring Analytics	Not Applicable
Jansen	Sunny	MidAmerican Energy Services	Other Supplier
Kulha	David	American Electric Power	Not Applicable
Little	John	North Carolina Public Staff	End User Customer
Logan	Sharon	FERC	Not Applicable
Martin	Valerie	Federal Energy Regulatory Commission	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Muhl	Nancy	Compline	Not Applicable
Noewer	Sharon	FirstEnergy	Not Applicable
Ondayko	Brock	American Electric Power	Not Applicable
Philips	Marji	Direct	Other Supplier
Price	Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Saini	Ishwar	Macquarie Energy	Other Supplier
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Schneider	Jonathan	FirstEnergy	Transmission Owner
Segner	Sharon	LS Power Transmission	Not Applicable
Skucas	Ruta	Pierce Atwood	Not Applicable
Stone	Andy	Gabel Associates	Not Applicable
Stubbe	Judy	Duke Energy Ohio, Inc.	Transmission Owner
Thompson	Matthew	XO Energy	Other Supplier
Vargo	Daniel	Allegheny Electric Cooperative	Electric Distributor
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wilhite	Chad	FirstEnergy	Not Applicable

PJM

LAST NAME	FIRST NAME	COMPANY	SECTOR
Boyle	Glen	PJM Interconnection	Not Applicable
Bresler	Stu	PJM Interconnection	Not Applicable
Bruno	Joshua	PJM Interconnection	Not Applicable
Bryson	Michael	PJM Interconnection	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Cummings	Bridgid	PJM Interconnection	Not Applicable
Drauschak	Lisa	PJM Interconnection	Not Applicable
Driscoll	Mary Ellen	PJM Interconnection	Not Applicable
Duane	Vincent	PJM Interconnection	Not Applicable

Dumitriu	Nicolae	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Glazer	Craig	PJM Interconnection	Not Applicable
Greening	Michele	PJM Interconnection	Not Applicable
Hauske	Thomas	PJM Interconnection	Not Applicable
Helm	Gary	PJM Interconnection	Not Applicable
Hendrzak	Chantal	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Herling	Steven	PJM Interconnection	Not Applicable
Horger	Tim	PJM Interconnection	Not Applicable
Hsia	Eric	PJM Interconnection	Not Applicable
Keech	Adam	PJM Interconnection	Not Applicable
Larocque	Matthew	PJM Interconnection	Not Applicable
Lauterbach	Victoria	PJM Interconnection	Not Applicable
Leon	Miguel	PJM Interconnection	Not Applicable
Loomis	Harold	PJM Interconnection	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
Nix	Emma	PJM Interconnection	Not Applicable
O'Brien	Tim	PJM Interconnection	Not Applicable
O'Neill	Jack	PJM Interconnection	Not Applicable
Pilong	Chris	PJM Interconnection	Not Applicable
Pilong	Melissa	PJM Interconnection	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Shield	Jeff	PJM Interconnection	Not Applicable
Squilla	Angelica	PJM Interconnection	Not Applicable
Stadlmeyer	Rebecca	PJM Interconnection	Not Applicable
Stotesbury	Christina	PJM Interconnection	Not Applicable
Swimm	Nora	PJM Interconnection	Not Applicable
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Ward	Michael	PJM Interconnection	Not Applicable
Williams	Stanley	PJM Interconnection	Not Applicable
Yeaton	Andrea	PJM Interconnection	Not Applicable