

**Members Committee**  
**One Hundred Sixty-sixth Meeting**  
**The Chase Center on the Riverfront, Wilmington, DE**  
**February 23, 2017**  
**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 992:
- Viridity Energy Solutions Inc. (Affiliate Member) selected the Other Supplier sector
  - World Fuel Services, Inc. (Voting Member) selected the Other Supplier sector
- Mr. Anders noted that three members had withdrawn since the last meeting.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.

## Consent Agenda

- Items A through were **approved/endorsed** by acclamation with no objections or abstentions.
- A. Draft minutes of the January 26, 2017 meeting
- B. Proposed Tariff, Operating Agreement (OA) and Reliability Assurance Agreement revisions regarding clean-up of definitions
- C. Proposed revisions to the PJM Tariff regarding Operating Parameters

## Endorsements

### 1. Transmission Substation Equipment in FERC Order 1000

Mr. Sims discussed proposed Regional Transmission Expansion Plan (RTEP) process enhancements related to the treatment of transmission substation equipment in PJM FERC Order 1000 Proposal Windows and associated Operating Agreement revisions. Following discussion, the committee **approved** the proposed OA revisions by acclamation with no objections or abstentions.

### 2. Energy Market Uplift Senior Task Force (EMUSTF)

Mr. Anders presented provided a report of the activities of the EMUSTF and presented proposed Phase 1 and Phase 2 proposals endorsed by the EMUSTF and the Markets & Reliability Committee. Following discussion, the committee **endorsed/approved** the proposed Phase 1 proposal by acclamation with two objections and one abstention. The committee **endorsed/approved** the proposed Phase 2 proposal in a sector-weighted vote with 4.16 in favor.

## First Readings

None

## Informational Updates

### 3. Underperformance Risk Management Sr. Task Force (URMSTF) - External Capacity Resource Requirements

Mr. Bresler discussed action taken by the PJM Board of Managers regarding the proposal developed by the URMSTF regarding External Capacity resources.

#### Generator Cost Base Offer Data

Dr. Joe Bowring notified the Members that PJM had requested certain generator offer data that had been identified as confidential, and that the Independent Market Monitor intended to comply with PJM's request.

## Reports

### 4. MC Vice Chair Report

- A. Mr. Borgatti provided an update on Members Committee Annual Plan.
- B. Mr. Borgatti discussed the recent February 14, 2017 Liaison Committee meeting with the PJM Board of Managers and plans for the upcoming April 6, 2017 Liaison Committee meeting with the PJM Board of Managers.

### 5. Webinar Feedback

There were no items identified for discussion from the February 21, 2017 Members Committee Webinar.

## Future Agenda Items

No new future agenda items were identified.

## Future Meeting Dates

March 23, 2017	9:00 a.m.	Wilmington, DE
April 27, 2017	9:00 a.m.	Wilmington, DE
May 25, 2017	9:30 a.m.	Chicago, IL
June 22, 2017	9:00 a.m.	Wilmington, DE
July 27, 2017	9:00 a.m.	Wilmington, DE
August 24, 2017	9:30 a.m.	Wilmington, DE
September 28, 2017	9:00 a.m.	Wilmington, DE
October 26, 2017	9:00 a.m.	Wilmington, DE
November 30, 2017	9:00 a.m.	Wilmington, DE
December 21, 2017	9:30 a.m.	Wilmington, DE

Author: D.A. Anders

## Attendance

Chair/Vice Chair/Secretary

Last Name	First Name	Company	Role
Bruce	Susan	McNees Wallace & Nurick LLC	Chair
Borgatti	Michael	Gabel & Associates	Vice Chair
Anders	David	PJM Interconnection, LLC	Secretary

### Voters

Last Name	First Name	Company	Sector
Batta	Michael	Virginia Electric & Power Company	Transmission Owner
Benckek	Jim	FirstEnergy Solutions Corp.	Transmission Owner
Birnel	William	Westar Energy, Inc.	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Rep.'g Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Rep.'g Elgin Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep.'g Jersey Green Energy LLC	Other Supplier
Borgatti	Michael	Rep.'g Longview Power, LLC	Generation Owner
Borgatti	Michael	Rep.'g Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Rep.'g Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep.'g NextEra Energy Marketing, LLC	Generation Owner
Borgatti	Michael	Rep.'g York County Solid Waste and Refuse Authority	Generation Owner
Branch	John	Birdsboro Power LLC	Generation Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruce	Susan	Rep.'g Air Products & Chemicals, Inc.	End User Customer
Bruce	Susan	Rep.'g ArcelorMittal USA LLC	End User Customer
Bruce	Susan	Rep.'g Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Rep.'g Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep.'g Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep.'g Lehigh Portland Cement Company	End User Customer
Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority	Electric Distributor
Bruce	Susan	Rep.'g Linde, LLC	End User Customer
Bruce	Susan	Rep.'g Praxair, Inc.	End User Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	End User Customer
Bruce	Susan	Rep.'g Wellsboro Electric Company	Electric Distributor
Burt	Reece	Energy Limited Inc.	Other Supplier
Campbell	Bruce	Rep.'g Enerwise Global Technologies, Inc.	Other Supplier
Campbell	Bruce	Rep.'g MidAtlantic Power Partners, LLC	Other Supplier
Cox	Jason	Dynegy Marketing and Trade, LLC	Generation Owner
Crystle	Gil	UGI Development Company	Generation Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner

Esposito	Patricia	TransCanada Power Marketing Ltd.	Generation Owner
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Fuess	Jay	Rep.'g Church Hill Solar Farm, LLC	Generation Owner
Fuess	Jay	Rep.'g Diamond State Generation Partners, LLC	Generation Owner
Fuess	Jay	Rep.'g Ictec.com, Inc.	Other Supplier
Fuess	Jay	Rep.'g Kuehne Chemical Company, Inc.	Other Supplier
Fuess	Jay	Rep.'g PBF Power Marketing, LLC	Generation Owner
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Greening	Michele	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Griffiths	Dan	Rep.'g Delaware Division of the Public Advocate	End User Customer
Griffiths	Dan	Rep.'g Illinois Citizens Utility Board	End User Customer
Griffiths	Dan	Rep.'g Indiana Office of Utility Consumer Counselor (IN OUCC)	End User Customer
Griffiths	Dan	Rep.'g Maryland Office of People's Counsel	End User Customer
Griffiths	Dan	Rep.'g New Jersey Division of Rate Counsel	End User Customer
Griffiths	Dan	Rep.'g Office of the Attorney General, Kentucky	End User Customer
Griffiths	Dan	Rep.'g Office of the People's Counsel for the District of Columbia	End User Customer
Griffiths	Dan	Rep.'g Pennsylvania Office of Consumer Advocate	End User Customer
Griffiths	Dan	Rep.'g West Virginia Consumer Advocate Division	End User Customer
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Hastings	David	Rep.'g BioUrja Power, LLC	Other Supplier
Hastings	David	Rep.'g Chesapeake Trading Group, LLC	Other Supplier
Hastings	David	Rep.'g Mercuria Energy America, Inc.	Other Supplier
Hastings	David	Rep.'g Northstar Trading Ltd.	Other Supplier
Hastings	David	Rep.'g Saracen Energy East LP	Other Supplier
Hastings	David	Rep.'g SESCO Enterprises, LLC	Other Supplier
Hastings	David	Rep.'g Solios Power Mid-Atlantic Trading LLC	Other Supplier
Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
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 (AEP Generation)	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Jablonski	James	Rep.'g Borough of Butler, Butler Electric Division	Electric Distributor
Jablonski	James	Rep.'g Borough of Lavallette, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Madison, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Milltown, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Park Ridge, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Pemberton	Electric Distributor

Jablonski	James	Rep.'g Borough of Seaside Heights, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of South River, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Vineland Municipal Electric Utility	Electric Distributor
Jardot	Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson	Carl	Rep.'g American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Borough of Chambersburg	Electric Distributor
Johnson	Carl	Rep.'g Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Rep.'g Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.'g City of Dover, Delaware	Electric Distributor
Johnson	Carl	Rep.'g Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Easton Utilities Commission	Electric Distributor
Johnson	Carl	Rep.'g Energy Cooperative Association of PA	Other Supplier
Johnson	Carl	Rep.'g Galt Power, Inc.	Other Supplier
Johnson	Carl	Rep.'g Hagerstown Light Department	Electric Distributor
Johnson	Carl	Rep.'g Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Rep.'g Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Rep.'g Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	Rep.'g North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Rep.'g North Carolina Municipal Power Agency # 1	Other Supplier
Johnson	Carl	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep.'g Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.'g Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Rep.'g Town of Williamsport (The)	Electric Distributor
Johnson	Carl	Rep.'g WPPI Energy	Other Supplier
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Knies	Heather	LM Power, LLC	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Long	Scott	Allegheny Electric Cooperative, 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
Pratzon	David	Rep.'g Eastern Generation, LLC	Generation Owner
Pratzon	David	Rep.'g Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Pratzon	David	Rep.'g WM Renewable Energy, L.L.C.	Generation Owner
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Rohrbach	John	Rep.'g Southern Maryland Electric Cooperative, Inc.	Electric Distributor

Rohrbach	John	Rep.'g Wabash Valley Power Association, Inc.	Electric Distributor
Rutigliano	Tom	Rep.'g Achieving Equilibrium LLC	Other Supplier
Rutigliano	Tom	Rep.'g Demansys Energy, LLC	Other Supplier
Rutigliano	Tom	Rep.'g Earth Networks, Inc.	Other Supplier
Rutigliano	Tom	Rep.'g EMC Development Company, Inc.	Other Supplier
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Skucas	Ruta	Rep.'g Ames Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Skucas	Ruta	Rep.'g Big Bend Trading, LLC	Other Supplier
Skucas	Ruta	Rep.'g BJ Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Blackout Power Trading Inc.	Other Supplier
Skucas	Ruta	Rep.'g Boston Energy Group, Inc.	Other Supplier
Skucas	Ruta	Rep.'g Conch Energy Trading, LLC	Other Supplier
Skucas	Ruta	Rep.'g Dufossat Capital I, LLC	Other Supplier
Skucas	Ruta	Rep.'g Elmagin Power Fund LLC	Other Supplier
Skucas	Ruta	Rep.'g Endurance Energy Midwest LLC	Other Supplier
Skucas	Ruta	Rep.'g Energya VM Gestion de Energia S.L.U.	Other Supplier
Skucas	Ruta	Rep.'g Falcon Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Great Bay Energy III, LLC	Other Supplier
Skucas	Ruta	Rep.'g Greene Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Hexis Energy Trading, LLC	Other Supplier
Skucas	Ruta	Rep.'g Liberty Hill Power LLC	Other Supplier
Skucas	Ruta	Rep.'g Mac Trading, Inc	Other Supplier
Skucas	Ruta	Rep.'g MAG Energy Solutions, Inc.	Other Supplier
Skucas	Ruta	Rep.'g MET MA, LLC	Other Supplier
Skucas	Ruta	Rep.'g Monterey MA, LLC	Other Supplier
Skucas	Ruta	Rep.'g Precept Power LLC	Other Supplier
Skucas	Ruta	Rep.'g Pure Energy, Inc.	Other Supplier
Skucas	Ruta	Rep.'g Red Wolf Energy Trading, LLC	Other Supplier
Skucas	Ruta	Rep.'g RJUMR Energy Partners Corp.	Other Supplier
Skucas	Ruta	Rep.'g Solea Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Southard Energy Partners LLC	Other Supplier
Skucas	Ruta	Rep.'g Strom Power, LLC	Other Supplier
Skucas	Ruta	Rep.'g Taller Cube, LLC	Other Supplier
Skucas	Ruta	Rep.'g TrueLight Commodities, LLC	Other Supplier
Skucas	Ruta	Rep.'g Velocity American Energy Master I, LP	Other Supplier
Skucas	Ruta	Rep.'g XO Energy MA, L.P.	Other Supplier
Skucas	Ruta	Rep.'g Yasmin Partners LLC	Other Supplier
Spencer	Doug	Southeastern Power Administration	Other Supplier

Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Vaudreuil	Greg	Mosaic Power	Other Supplier
Wadsworth	Joe	Vitol Inc.	Other Supplier
Whitehead	Jeffrey	Direct Energy Business, LLC	Other Supplier
Wicks	Tonja	Duquesne Light Company	Transmission Owner
Wood	Gordon	ETC Endure Energy L.L.C.	Other Supplier
Yu	Joel	Rockland Electric Company	Transmission Owner

### Non-Voters

Last Name	First Name	Company	Sector
Ainspan	Malcolm	NRG Power Marketing, LLC	Generation Owner
Bayless	Charlie	North Carolina Electric Membership Corporation	Electric Distributor
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bowring	Joe	Monitoring Analytics, LLC	None
Carmean	Gregory	Organization of PJM States	None
Christian	Adam	Red Wolf Energy Trading, LLC	Other Supplier
Cinadr	Matt	Energy Spectrum Inc.	Other Supplier
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox	Bill	Exion Energy Inc.	Other Supplier
Dillon	Matthew	UGI Development Company	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Farber	John	Delaware Public Service Commission	None
Filomena	Guy	Customized Energy Solutions	None
Foxen	Timothy	Osaka Gas	None
Gilani	Rehan	Consolidated Edison Company of New York, Inc.	Transmission Owner
Godson	Gloria	Exelon Business Services Company, LLC	Transmission Owner
Goode	Cory	Yes Energy LLC	None
Hagaman	Derek	GT Power Group	None
Hanser	Erik	Michigan Public Service Commission	None
Hudis	Gabriella	Gabel Associates	None
Huntoon	Steve	Energy Counsel, LLC	None
Hyzinski	Thomas	Consultant	None
Janicki	Diane	Boston Energy Trading and Marketing, LLC	Generation Owner
Jasani	Sachin	Red Wolf Energy Trading, LLC	Other Supplier
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Lange	Nathan	VECO Power Training Company	None
Leasure	Jill	Keystone Conemaugh Project Office	None
Lopez-Lopez	Anthony	Middlesex Energy Center, LLC	Other Supplier
Marinelli	Richard	Public Service Electric & Gas Company	Transmission Owner

Marton	Dave	FirstEnergy Solutions Corp.	Transmission Owner
McAdams	Julius	Red Wolf Energy Trading, LLC	Other Supplier
McEachern	Benjamin	GDF Suez Energy Marketing NA	Generation Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Price	Ruth Ann	Delaware Division of the Public Advocate	End User Customer
Rothey	Kristin	American Municipal Power, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions	None
Schneider	Jon	FirstEnergy Solutions Corp.	Transmission Owner
Schreim	Morris	Maryland Public Service Commission	None
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stewart	Travis	Gabel Associates	None
Stubbe	Judy	Duke Energy Business Services LLC	Transmission Owner
Sweeney	Rory	RTO Insider	None
Tangirala	Subha	ABB Oil & Gas	None
Tatum	Ed	American Municipal Power, Inc.	Electric Distributor
Taylor	Geoff	Falcon Energy, LLC	Other Supplier
Thomas	Glen	GT Power Group	None
Thomson	Heather	MAREC	None
Vanderlaan	Bill	Illinois Commerce Commission	None
Vogel	Anne	Appalachian Power Company	Transmission Owner
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Waskiewicz	Michael	Hartree Partners	None
Williams	Amber	New York State Electric & Gas Corporation	Other Supplier
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
York	Katherine	Tennessee Valley Authority	Other Supplier

### PJM Attendees

Last Name	First Name	Company	Sector
Barrett	Fran	PJM Interconnection	None
Bell	Jerry	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Brown	Rich	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Buehler	Susan	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chao	Hungpo	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Dirani	Rami	PJM Interconnection	None
Drauschak	Lisa	PJM Interconnection	None

Driscoll	Maryellen	PJM Interconnection	None
Duane	Vince	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Gebolys	Debbie	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Hendrzak	Chantal	PJM Interconnection	None
Herling	Steve	PJM Interconnection	None
Herman	Michael	PJM Interconnection	None
Holland	Risa	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hugee	Jacquelynn	PJM Interconnection	None
Koza	Frank	PJM Interconnection	None
Manion	Evelyn	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
O'Brien	Tom	PJM Interconnection	None
Perera	Asanga	PJM Interconnection	None
Quintavalla	Ginger	PJM Interconnection	None
Schmitt	Jeff	PJM Interconnection	None
Sims	Mark	PJM Interconnection	None
Stadelmeyer	Rebecca	PJM Interconnection	None
Tribulski	Jen	PJM Interconnection	None
Weiss	Glenn	PJM Interconnection	None
Williams	Stan	PJM Interconnection	None