

Markets and Reliability Committee
PJM Conference and Training Center, Valley Forge, PA
April 25, 2019
9:00 a.m. – 12:30 p.m. EPT

Administration

Ms. Denise Foster and Mr. Dave Anders welcomed stakeholders, reviewed the agenda, and provided the Anti-trust and Code of Conduct announcements.

Ms. Foster commented that she and the other PJM leaders have received stakeholder feedback regarding the volume and pace of stakeholder meetings. She noted that PJM leaders have considered opportunities to reduce the significant number of stakeholder issues and meetings. She also noted recent stakeholder questions about the process and timing regarding the new Fuel Security Senior Task Force, particularly in light of PJM initiating stakeholder discussions on another important topic – the GreenHat report recommendations. She recommended recalibrating the meeting frequency of the Fuel Security Senior Task Force (FSSTF) consistent with the phasing established by the group's Issue Charge. Ms. Foster suggested the following path forward for the FSSTF:

- Continue with the two scheduled Fuel Security Senior Task Force meetings on April 26, 2019 and May 17, 2019.
- Add an item to the May 17, 2019 agenda to discuss modifications to the future meeting schedule to identify where meetings can be canceled, shortened or rescheduled.

There was no objection to pursuing this path.

Ms. Tawnya Luna provided an informational update regarding browser support.

Consent Agenda

Mr. Sean Bauer, GlidePath Power Operations, LLC, requested that item D, proposed revisions to Manual 21: Rules & Procedures for Determination of Generating Capability, be removed for separate consideration, noting activity in FERC Docket # ER19-469. Following commitment from PJM to continue development of additional revisions to Manual 21 related to Effective Load Carrying Capability considering the content of the FERC Docket at the Planning Committee, the committee **endorsed** the proposed revisions by acclamation with no objections and four abstentions.

Items A, B, C and E were **approved/endorsed** by acclamation with no objections and one abstention.

- A. Minutes of the March 21, 2019 meeting of the Markets and Reliability Committee (MRC)
- B. Proposed updates to Manual 11: Energy & Ancillary Services Market Operations to reflect the addition of location fields in DR Hub
- C. Proposed updates to Manual 11: Energy & Ancillary Services Market Operations as part of the biennial review

- E. Proposed revisions to the PJM Regional Business Practices document associated with the new OASIS application

Endorsements/Approvals

1. Must Offer Exception Process

- A. Mr. Pat Bruno presented the MRC main motion for the Must Offer Exception Process. Following discussion, the proposed main motion **failed** in a sector-weighted vote with 2.07 in favor.
- B. Ms. Sharon Midgley, Exelon, reviewed an alternate proposal endorsed by the MIC at its March meeting. Following discussion, the proposed alternate motion **failed** in a sector-weighted vote with 1.82 in favor.

Ms. Susan Bruce, PJM Industrial Customer Coalition, moved and Ms. Adrien Ford, ODEC, seconded the PJM/IMM proposal that was developed in the Market Implementation Committee. Following discussion, the proposed main motion **endorsed** in a sector-weighted vote with 3.74 in favor.

During consideration of the vote, stakeholders discussed the linkage of CIRs and the capacity market must offer requirement and requested that the Market Implementation Committee include on its next agenda an item to continue the discussion of equity issues associated with the linkage. It was left to the MIC to determine whether a revised problem statement and issue charge could be utilized or a new problem statement and issue charge need be developed.

[Issue Tracking: Must Offer Exception Process](#)

2. Market Efficiency Process Enhancement Task Force

Mr. Brian Chmielewski presented the Market Efficiency phase 2 proposal and associated revisions to Manual 14B: Regional Transmission Planning Process, Manual 14F: Competitive Planning Process, and Operating Agreement Schedule 6 language. Following discussion, the committee **endorsed** the proposal by acclamation with one objection and one abstention.

[Issue Tracking: RTEP Market Efficiency Analysis](#)

3. FTR Forfeiture Hourly Component

- A. Mr. Brian Chmielewski reviewed a package of FTR Forfeiture Rule changes previously deferred at the December 20, 2018 MRC. Following discussion, the proposed rule changes **failed** in a sector-weighted vote with 2.32 in favor.
- B. Mr. Brian Chmielewski presented proposed revisions to Manual 06: Financial Transmission Rights and Operating Agreement Schedule 1 revisions to address an issue identified in the FTR Forfeiture Rule hourly cost component calculations. Following discussion, the committee **endorsed** the proposed manual revisions by acclamation with no objections or abstentions.

[Issue Tracking: FTR Forfeiture Rule Changes](#)

4. Carbon Pricing Problem Statement / Issue Charge

Mr. Michael Borgatti, Gable Associates, presented a proposed problem statement and issue charge related to carbon pricing. Mr. Borgatti discussed a proposed friendly amendment to remove Key Work Activity 8. Mr. Borgatti noted that the amendment was considered friendly and incorporated it into the proposed issue charge. Following discussion, the committee **approved** the proposed problem statement and issue charge in a sector-weighted vote with 3.92 in favor.

5. Surety Bonds

Ms. Bridgid Cummings provided an update on the surety bond topic and present a proposal related to the use of surety bonds as an acceptable form of collateral. Mr. Steve Lieberman, AMP, moved and Ms. Susan Bruce seconded deferral of voting on this proposal until no later than two MRC meetings after the new PJM Chief Risk Officer and Chief Financial Officer start; PJM will provide a recommendation to the MRC as to the efficacy of the proposed surety bonds. Following discussion, the motion to defer was approved by acclamation with no objections or abstentions.

[Issue Tracking: Surety Bonds Opportunity](#)

6. Manual 14B Amendments

- A. Mr. Aaron Berner provided an update on Planning Committee activities related to the proposed revisions to Manual 14B: Regional Transmission Planning Process which were the subject of the related main motion. Voting on the main motion was deferred at the February 21, 2019 MRC meeting.
- B. Ms. Sharon Segner moved to further defer endorsement of the main motion regarding proposed Manual 14B Amendments and to direct the Planning Committee to address topics listed in the deferral motion, including potential OA revisions. The deferral motion was posted with the materials for the meeting. Ms. Denise Foster provided a decision of the Chair that this motion was improper due to the expansion of the main motion beyond the Manual 14 B changes, which were the subject of the January MRC agenda item where Ms. Segner's original motion to defer to the Planning Committee originated, to include OA changes. Ms. Foster suggested that Ms. Segner could revise her deferral motion to delete the scope expansion language to simply allow the Planning Committee more time for discussion, which may allow the committee to develop a proposal that may rise to the MRC as a new motion from the Planning Committee untethered to Ms. Segner's pending main motion. Alternatively, Ms. Foster suggested Ms. Segner consider developing a new problem statement and issue charge to ask the Planning Committee to take on this additional scope of work. Ms. Sharon Segner moved and Mr. Barry Trayers, CitiGroup, seconded to reverse the decision of the Chair. Following discussion, Ms. Segner withdrew the motion to reverse the decision of the Chair, and revised the deferral motion such that it addressed only the deferral of the vote on the main motion to the June 27, 2019 MRC meeting. Mr. Trayers seconded the motion to defer. Ms. Segner noted that in the event related OA revisions were proposed as a friendly amendment to her pending main motion at the June 27, 2019 MRC meeting, she may consider them to be friendly. Following discussion, the motion to defer was **approved** by acclamation with no objection or abstentions.

7. Financial Risk Mitigation Senior Task Force (FRMSTF) Charter

Mr. Vince Duane presented the proposed Financial Risk Mitigation Senior Task Force charter. Following discussion, the committee **approved** the proposed charter upon its first reading by acclamation with two objections and three abstentions.

First Readings

8. PJM Manuals

The following proposed manual revisions were posted for first reading. There were no questions posed by stakeholders, and the committee will be asked to endorse these revisions at its next meeting.

- A. Manual 01: Control Center and Data Exchange Requirements.
- B. Manual 03: Transmission Operations.
- C. Manual 07: PJM Protection Standards.
- D. Manual 10: Prescheduling Operations.
- E. Manual 13: Emergency Operations as part of a cover to cover review.
- F. Manual 11: Energy & Ancillary Services Market Operations and Manual 13: Emergency Operations to clarify the impact of operationalizing gas contingencies on reserve requirements and reserve market eligibility.
- G. Manual 36: System Restoration.

Informational Reports

9. Fast-Start Pricing Order

Mr. Adam Keech provided an update regarding the recently issued FERC Order addressing fast-start pricing.

Future Agenda Items

No additional future agenda items were identified.

Future Meeting Dates

May 30, 2019	9:00 a.m.	Valley Forge, PA
June 27, 2019	9:00 a.m.	Wilmington, DE
July 25, 2019	9:00 a.m.	Valley Forge, PA
August 22, 2019	9:00 a.m.	Valley Forge, PA
September 26, 2019	9:00 a.m.	Valley Forge, PA
October 31, 2019	9:00 a.m.	Valley Forge, PA
December 5, 2019	9:00 a.m.	Valley Forge, PA
December 19, 2019	9:00 a.m.	Valley Forge, PA

Author: D.A. Anders

Chair/ Vice Chair/ Secretary

Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Anders	David	PJM Interconnection	N/A

Voting Participants

Last Name	First Name	Organization	Sector
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Baur	Sean	GlidePath Power Operations LLC	Generation Owner
Bayless	Charlie	North Carolina Electric Membership Corporation	Electric Distributor
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bickerstaff	Dean	Hartree Partners, LP	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Carolina Solar Energy III, LLC	Other Supplier
Borgatti	Michael	Eagle Point Power Generation, LLC	Generation Owner
Borgatti	Michael	Moxie Freedom LLC	Generation Owner
Borgatti	Michael	NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	Cypress Creek Renewables, LLC	Generation Owner
Borgatti	Michael	York County Solid Waste and Refuse Authority	Generation Owner
Borgatti	Michael	Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Hazleton Generation, LLC	Generation Owner
Borgatti	Michael	Longview Power, LLC	Generation Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Messer LLC	End-Use Customer
Bruce	Susan	Procter & Gamble Paper Products Company (The)	Generation Owner
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Industrial Energy Users-Ohio	Other Supplier

Bruce	Susan	ArcelorMittal USA LLC	End-Use Customer
Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Praxair, Inc.	End-Use Customer
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Chandler	Kent	Office of the Attorney General, Kentucky	End-Use Customer
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
Farnsworth Jr	Byron	Wellsboro Electric Company	Electric Distributor
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	Icetec.com, Inc.	Other Supplier
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Fuess	Christian	Kuehne Chemical Company, Inc.	Other Supplier
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Guerry	Katie	Enel X North America, Inc.	Other Supplier
Hastings	David	Solios Power Mid-Atlantic Trading, LLC	Other Supplier
Hastings	David	SESCO Enterprises, LLC	Other Supplier
Hastings	David	Saracen Energy East, L.P.	Other Supplier
Hastings	David	Northstar Trading Ltd.	Other Supplier
Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Generation Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hoatson	Tom	Renaissance Power & Gas, Inc.	Other Supplier
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Huang	James	Rockland Electric Company	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	GenOn Energy Management, LLC	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Generation Owner

Johnson	Carl	Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Johnson	Carl	Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Johnson	Carl	Galt Power, Inc.	Other Supplier
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
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
Litchfield	Matt	CPV Power Holdings, LP	Generation Owner
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
O'Boyle	Brian	Rockland Electric Company	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier

Philips	Marji	Direct Energy Business, LLC	Other Supplier
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Consumer Protection and Advocate Division of the Tennessee Attorney General	End-Use Customer
Poulos	Greg	Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Poulos	Greg	Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Virginia Division of Consumer Counsel	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	Office of the People's Counsel for the District of Columbia	End-Use Customer
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Rohrbach	John	Kentucky Municipal Energy Agency	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
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	Greene Energy NE LLC	Other Supplier
Skucas	Ruta	Hexis Energy Trading, 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 PT, LLC	Other Supplier
Skucas	Ruta	Big Bend Trading, LLC	Other Supplier

Skucas	Ruta	Alphataraxia Palladium LLC	Other Supplier
Skucas	Ruta	XO Energy MA, L.P.	Other Supplier
Skucas	Ruta	Velocity American Energy Master I, L.P.	Other Supplier
Skucas	Ruta	Taller Cube, LLC	Other Supplier
Skucas	Ruta	Ames Energy, LLC	Other Supplier
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Thomas	Amber	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Wadsworth	Joe	Vitol Inc.	Other Supplier
Whitehead	Jeffrey	Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Whitehead	Jeffrey	Shell Energy North America (US), L.P.	Other Supplier
Whitehead	Jeffrey	Essential Power Rock Springs, LLC	Transmission Owner
Whitehead	Jeffrey	Eastern Generation, LLC	Generation Owner
Wicks	Tonja	Duquesne Light Company	Transmission Owner

Non-Voting Participants

Last Name	First Name	Organization	Sector
Abend	Erik	Erik Abend Consulting	N/A
Boyle	Stephen	Merion Energy Solutions	N/A
Brophy	Richard	New York State Electric And Gas	Other Supplier
Buensing	Allison	Saracen Energy East, L.P.	Other Supplier
Campbell	Bruce	Enerwise Global Technologies, Inc.	Other Supplier
Canter	David	American Electric Power	N/A
Chandler	Kent	Kentucky Office Of The Attorney General	End-Use Customer
Chu	Michael	Forest Investment Group Llc	Other Supplier
Clarke	Linda	Power Partners Consulting	N/A
Clemence	Walter	Nextera	Other Supplier

Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert	Cathleen	NRG Power Marketing, LLC	Generation Owner
Crystle	Gil	Ugi Energy Services	Other Supplier
D'Alessandris	Lou	FirstEnergy Solutions Corp.	Transmission Owner
Davis	Jim	Dominion Energy	Generation Owner
Delosa	Joe	New Jersey Board Of Public Utilities	N/A
Dillon	Matt	Ugi Development	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Farnsworth	Byron	Wellsboro Electric Company	Electric Distributor
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gahimer	Mike	Indiana Office Of Utility Consumer Counselor	End-Use Customer
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Gebolys	Debbie	The Public Utility Commission Of Ohio	N/A
Gilani	Rehan	Conedison Energy	Other Supplier
Gorman	Kevin	The Highlands Energy Group	Other Supplier
Grau	Patrick	Apogee	Other Supplier
Heidorn	Rich	RTO Insider	N/A
Heinle	Erik	Office of the People's Counsel for the District of Columbia	End-Use Customer
Holdbrook	Ruth	Novec	Electric Distributor
Horning	Lynn	Customized Energy Solutions, Ltd.*	N/A
Hudis	Gabriella	Gabel & Associates	N/A
Jardot	Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jens	Tom	Black Oak Capital	Other Supplier
Jett	William	Duke Energy	Transmission Owner
Johnston	David	Indiana Utility Regulatory Commission	N/A
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kerecman	Joseph	Calpine Energy Services, L.P.	Generation Owner
Knernschild	Jenny	Old Dominion Electric Cooperative	Electric Distributor
Knies	Heather	Lm Power	Other Supplier
Laios	Takis	American Electric Power	N/A
Lejcar	Jamie	Allegheny Electric Cooperative	Electric Distributor
Libbos	Robin	FirstEnergy Solutions Corp.	Transmission

			Owner
Luu	Sam	Dominion Energy Generation Marketing, Inc.	Generation Owner
Martin	Valerie	FERC	N/A
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Ondayko	Brock	Aep Energy	Transmission Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Price	Mark	DC Energy	Other Supplier
Price	Ruth Ann	Delaware Division of the Public Advocate	End-Use Customer
Rothey	Kristin	American Municipal Power	Electric Distributor
Ruck	Andrew	Freepoint Energy Solutions, LLC	Other Supplier
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Segner	Sharon	LS Power	N/A
Singer	Chad	Traine Grid Services	Other Supplier
Smith	Christen	RTO Insider	N/A
Squibb	Bill	Ohio Valley Electric	Generation Owner
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Gabel & Associates	N/A
Suh	Jung	Calpine Solutions	Generation Owner
Sweeney	Rory	GT Power Group	N/A
Taylor	Miles	Northern Indiana Public Service Company	Other Supplier
Thomas	Glen	GT Power Group	N/A
Tibbetts	Maeve	Pierce Atwood	N/A
Toomey	Megan	Talen Energy Marketing, LLC	Generation Owner
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wisersky	Megan	Madison Gas And Electric	Other Supplier
Withrow	David	Customized Energy Solutions	N/A
Wolfe	Alice	Blue Ridge Power Agency	Electric Distributor
Wynder	Michael	Nodal Exchange	N/A

PJM Participants

Last Name	First Name	Organization	Sector
Anders	David	PJM Interconnection	N/A
Baker	Scott	PJM Interconnection	N/A
Barrett	Francis	PJM Interconnection	N/A

Bresler	Stu	PJM Interconnection	N/A
Bryson	Mike	PJM Interconnection	N/A
Buehler	Susan	PJM Interconnection	N/A
Burdis	Tim	PJM Interconnection	N/A
Cabezas	Angela	PJM Interconnection	N/A
Carroll	Rebecca	PJM Interconnection	N/A
Chao	Hungpo	PJM Interconnection	N/A
Chmielewski	Brian	PJM Interconnection	N/A
Corey	Patricia	PJM Interconnection	N/A
Coyne	Suzanne	PJM Interconnection	N/A
Cummings	Bridgid	PJM Interconnection	N/A
Drauschak	Lisa	PJM Interconnection	N/A
Egan	Amanda	PJM Interconnection	N/A
Fabiano	Janell	PJM Interconnection	N/A
Foster	Denise	PJM Interconnection	N/A
Frogg	Darrell	PJM Interconnection	N/A
Greening	Michele	PJM Interconnection	N/A
Hendrzak	Chantal	PJM Interconnection	N/A
Herel	Suzanne	PJM Interconnection	N/A
Holter	Natasha	PJM Interconnection	N/A
Horger	Tim	PJM Interconnection	N/A
Hsia	Eric	PJM Interconnection	N/A
Hugee	Jacquelynn	PJM Interconnection	N/A
Keech	Adam	PJM Interconnection	N/A
Larocque	Matthew	PJM Interconnection	N/A
Leon	Miguel	PJM Interconnection	N/A
Mcglynn	Paul	PJM Interconnection	N/A
McLaverty	Megan	PJM Interconnection	N/A
Mirhosseini	Niloufar	PJM Interconnection	N/A
Monzon	Stephanie	PJM Interconnection	N/A
O'Brien	Tom	PJM Interconnection	N/A
O'Hara	Chris	PJM Interconnection	N/A
O'Neill	Jack	PJM Interconnection	N/A
Oskvig	O.H. Dean	PJM Interconnection	N/A
Ott	Andrew	PJM Interconnection	N/A
Patel	Keyur	PJM Interconnection	N/A
Perera	Asanga	PJM Interconnection	N/A
Phillips	Darlene	PJM Interconnection	N/A
Robinson	Charles	PJM Interconnection	N/A

Scheidecker	Paul	PJM Interconnection	N/A
Schwenk	Melissa	PJM Interconnection	N/A
Seiler	Ken	PJM Interconnection	N/A
Shields	Jeffrey	PJM Interconnection	N/A
Sitarchyk	Mike	PJM Interconnection	N/A
Snyder	Susan	PJM Interconnection	N/A
Souder	Michelle	PJM Interconnection	N/A
Tribulski	Jen	PJM Interconnection	N/A
Ward	Michael	PJM Interconnection	N/A
Williams	Stanley	PJM Interconnection	N/A
Xu	Xu	PJM Interconnection	N/A
Zamojcin	Ann	PJM Interconnection	N/A