

Market Implementation Committee
WebEx / Conference & Training Center
January 11, 2023
9:00 a.m. – 3:30 p.m. EPT

Administration (9:00 – 12:45)

Amanda Martin reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirements.

Amanda Martin and Foluso Afelumo acknowledged members of the media.

The Committee approved the draft minutes from the December 7, 2022 Market Implementation Committee.

1. Amanda Martin directed participants to the posted 2023 MIC Work Plan.
- X. Operations and Markets Overview of Winter Storm Elliott Event (9:20-10:50)
Donnie Bielak, Brian Chmielewski, and Susan Kenney provided an initial joint review of operational challenges and resulting market impacts during Winter Storm Elliott from Dec. 23–25. Participants were reminded of PJM's Antitrust Requirement when speaking.

Endorsements/Approvals (1:30 – 2:20)

2. Manual 28 Reserve Price Formation Clarifications (1:30 – 1:35)
Lisa Morelli reviewed conforming clarifications and corrections to Manual 28: Operating Agreement Accounting to support the implementation of Reserve Price Formation.
The committee endorsed the revisions by acclamation with 0 objections and 0 abstentions.
3. Manual 6 FTR Bid Limits (1:35 – 1:40)
Emmy Messina reviewed a Problem Statement, Issue Charge, and proposed solution to update the FTR auction bid limit, as outlined in Manual 6: Financial Transmission Rights.
The committee approved the Issue Charge and endorsed the proposed solution by acclamation with 0 objections and 0 abstentions
4. Performance Impact of Multi-schedule Model in MCE on ECC Model Implementation (1:40-2:45)
 - a) Keyur Patel reviewed a Problem Statement and revised Issue Charge to address the performance impact of a multi-schedule model in the Market Clearing Engine (MCE) of the Enhanced Combined Cycle (ECC) and Energy Storage Resource (ESR) models as part of the Next Generation Energy Markets (nGEM) project.
 - b) Catherine Tyler, IMM, provided education and an alternate Issue Charge addressing this issue. **Paul Sotkiewicz, JPower, moved to defer the vote until the February MIC and Tom Hyzinski, GenON, seconded to the motion. The committee approved the motion by acclamation with 65% in favor and 35% opposed.**

First Reads (2:45 – 2:55)

5. Manual 27 Revisions: Schedule 9 - PJM Settlement (1:00 – 1:10)
Sean Flamm reviewed revisions to the allocation methodology for Schedule 9: PJM Settlement charges in Manual 27: Open Access Transmission Tariff Accounting. These revisions conform with the settlement agreement approved by the FERC in docket ER22-26 in November 2022. The committee will be asked to endorse the revisions at its next meeting.

Working Items (2:55 - 3:30)

7. Capacity Offer Opportunities for Generation with Co-located Load (2:55 – 3:05)
Lisa Morelli provided a status update on PJM's recommended next steps in the Capacity Offer Opportunities for Generation with Co-located Load issue.
Issue Tracking: Capacity Offer Opportunities for Generation with Co-located Load
6. Local Considerations in Net Cost of New Entry (CONE) (3:05 – 3:30)
Gary Helm provided education on current Tariff, Operating Agreement and Manual requirements regarding the development and use of Net CONE.
Issue Tracking: Local Considerations in Net Cost of New Entry
- ~~2. Capacity Offer Opportunities for Generation with Co-located Load (1:55 – 2:10)
Lisa Morelli will provide a status update on PJM's recommended next steps in the Capacity Offer Opportunities for Generation with Co-located Load issue.
Issue Tracking: Capacity Offer Opportunities for Generation with Co-located Load~~

Additional Items (2:10 – 2:20)

- ~~8. Periodic Review of Default CONE and ACR Values (2:10 – 2:15)
Skyler Marzewski will provide an update on the Periodic Review of Default CONE and ACR Values MIG Special Sessions. The next Special Session will be held on January 13.
Issue Tracking: Periodic Review of Default CONE and ACR Values~~
- ~~9. Market Operations Overview of Winter Storm Elliot Event (11:55 – 12:25)
Brian Chmielewski will provide a Market Operations overview of the December 23 – 25, 2022 weather event.~~
- ~~10. Cost Development Subcommittee Update (2:15 – 2:20)
Nicole Scott will provide an informational update on the work to be performed at the Cost Development Subcommittee.~~

Informational Section

Reserve Price Formation Update
Materials are posted as informational only.

Unit Specific Parameter Adjustment Process

Materials are posted as informational only.

Interregional Coordination Update

Materials are posted as informational only.

Stability Limits in Markets and Operations

Materials are posted as informational only.

ARR FTR Market Task Force (AFMTF)

Meeting materials are posted to the [AFMTF website](#).

Regulation Market Design Senior Task Force (RMDSTF)

Meeting materials are posted to the [RMDSTF website](#).

Reactive Power Compensation Task Force (RPCTF)

Meeting materials are posted to the [RPCTF website](#).

Cost Development Subcommittee (CDS)

Meeting materials are posted to the [CDS website](#).

Demand Response Subcommittee (DRS)

Meeting materials are posted to the [DRS website](#).

DER & Inverter-based Resources Subcommittee (DIRS)

Meeting materials are posted to the [DIRS website](#).

Market Settlements Subcommittee (MSS)

Meeting materials are posted to the [MSS website](#).

Report on Market Operations

The Report on Market Operations will be reviewed during the [MC Webinar](#).

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location	5 p.m.	4 p.m.
February 8	9 a.m.	WebEx / Conference & Training Center	January 27	February 1
March 8	9 a.m.	WebEx / Conference & Training Center	February 24	March 1
April 12	9 a.m.	WebEx / Conference & Training Center	March 31	April 5
May 10	9 a.m.	WebEx / Conference & Training Center	April 28	May 3
June 7	9 a.m.	WebEx / Conference & Training Center	May 26	May 31
July 12	9 a.m.	WebEx / Conference & Training Center	June 29	July 5
August 9	9 a.m.	WebEx / Conference & Training Center	July 28	August 2
September 6	9 a.m.	WebEx / Conference & Training Center	August 25	August 30

October 4	9 a.m.	WebEx / Conference & Training Center	September 22	September 27
November 1	9 a.m.	WebEx / Conference & Training Center	October 20	October 25
December 6	9 a.m.	WebEx / Conference & Training Center	November 22	November 29

Author: Amanda Martin

Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in Webex:

When logging into the Webex desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors Webex connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

Attendance

In Person Attendance		
Name	Company Name	Sector
Afelumo, Foluso (chair)	PJM Interconnection	None
Martin, Amanda (secretary)	PJM Interconnection	None
Anders, David	PJM Interconnection	None
Anderson, Bob	Tenaska Power Services Co.	Generation Owner
Anderson, Juliet	Constellation Energy Generation, LLC	Generation Owner
Asthana, Manu	PJM Interconnection	None
Baizman, Aaron	PJM Interconnection	None
Barker, Jason	Constellation Energy Generation, LLC	Generation Owner
Bastian, Jeffrey	PJM Interconnection	None
Benchek, James	American Transmission Systems, Inc.	Transmission Owner
Bresler, Stu	PJM Interconnection	None
Bruno, Patrick	PJM Interconnection	None
Buehler, Susan	PJM Interconnection	None
Carroll, Rebecca	PJM Interconnection	None
Chmielewski, Brian	PJM Interconnection	None
Ciabattoni, Joseph	PJM Interconnection	None
Croop, Danielle	PJM Interconnection	None
D'Antonio, Phil	PJM Interconnection	None
Drauschak, Lisa	PJM Interconnection	None
Egan, Amanda	PJM Interconnection	None
Esterly, Theresa	PJM Interconnection	None
Fabiano, Janell	PJM Interconnection	None
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing, LLC	End-Use Customer

Gorman, Bradley	American Transmission Systems, Inc.	Transmission Owner
Greening, Michele	PJM Interconnection	None
Helm, Gary	PJM Interconnection	None
Herrera, Maria	PJM Interconnection	None
Hicks, Colleen	PJM Interconnection	None
Hudis, Gabriella	Gabel Associates	None
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger, Tim	PJM Interconnection	None
Horning, Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hunsperger, Jennifer	Linde Inc.	End-Use Customer
Hyzinski, Tom	GT Power Group, LLC	None
Kerecman, Joseph	Calpine Energy Services, L.P.	Generation Owner
Kogut, George	New York Power Authority	Other Supplier
LeithYessian, Devin	RTOinsider	None
Lockwood, Daniel	PJM Interconnection	None
Lu, Chen	PJM Interconnection	None
Mabry, David	McNees Wallace & Nurick LLC	None
Marzewski, Skyler	PJM Interconnection	None
McGlynn, Paul	PJM Interconnection	None
Messina, Emmy	PJM Interconnection	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli, Lisa	PJM Interconnection	None
O'Brian, Tom	PJM Interconnection	None
O'Hara, Christopher	PJM Interconnection	None
Patel, Anita	PJM Interconnection	None
Patel, Keyurbhai	PJM Interconnection	None
Phillips, Darlene	PJM Interconnection	None
Ptak, Anton	EDF Renewable Development, Inc.	Generation Owner
Roach, Temujin	EDF Renewable Development, Inc.	Generation Owner
Salmon, Lisa	PJM Interconnection	None
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Shields, Jeffrey	PJM Interconnection	None
Selick, Sam	Customized Energy Solutions, Ltd.	None
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Stanisz, Mark	PJM Interconnection	None
Starkov, Stefan	PJM Interconnection	None
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	Power Prose, Inc.	None
Sweet, Brian	PJM Interconnection	None
Swimm, Nora	PJM Interconnection	None
Temujin, Roach	EDF Renewables	Generation Owner
Tribulski, Jennifer	PJM Interconnection	None
Yasutake, Sarah	Jersey Green Energy LLC	Other Supplier
Zarczyński-Magee, Katrina	PJM Interconnection	None
Webex Attendance		
Abdur-Rahman, Muhsin	ABB Enterprise Software Inc.	None
Adams, Aaron	Calpine Energy Services, L.P.	Generation Owner
Ahmad, Syed	The Federal Energy Regulatory Commission	None
Ahouassou, Jean Paul	MAG Energy Solutions, Inc.	Other Supplier
Aitoro, David	Voltus, Inc.	Other Supplier
Allegretti, Dan	Hull Street Energy	None
Anderson, Jared	S&P Global Inc.	None
Anderson, Jason	Dynegy Marketing and Trade, LLC	Generation Owner
Anderson, Kevin	Washington Gas Energy Services, Inc.	None
Andreo, Melissa	Liberty Electric Power, LLC	Generation Owner
Anthony, Jason	KORenergy, Ltd.	Other Supplier
Armstrong, Brian	Leidos	None
Aung, Thinzar	PJM Interconnection, LLC	None
Bagot, Nancy	Electric Power Supply Association	None
Bahl, Lee	GenOn Energy Management, LLC	Generation Owner

Baker, Scott	PJM Interconnection, LLC	None
Barbagallo, Greg	PBF Energy, Inc.	End-Use Customer
Barker, Hayden	Troutman Sanders	None
Barner, Mike	Dominion Virginia Power	None
Barrow, Kimberly	PA Public Utility Commission	None
Beban, Madalyn	PJM Interconnection, LLC	None
Beckford, Jean-Marc	SESCO Enterprises, LLC	Other Supplier
Behr, Peter	E&E Publishing	None
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Daniel (Dan)	PJM Interconnection, LLC	None
Berg Damm, Anders	Danske Commodities US LLC	Other Supplier
Berner, Aaron	PJM Interconnection, LLC	None
Bhuyan, Arjun	RiverCrest Power - EAST, LLC	Other Supplier
Bielak, Natalie	None	None
Binder, Gerry	SESCO Enterprises, LLC	Other Supplier
Bloodworth, Michelle	ACCCE	None
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bockhorn, Tim	Dayton Power & Light Company (The)	Transmission Owner
Booth, Michael	Hull Street Energy	None
Borgatti, Michael	Gabel and Associates	None
Bowker, Gary	PJM Interconnection, LLC	None
Bowring, Joel	Monitoring Analytics, LLC	None
Boyle, Glen	PJM Interconnection, LLC	None
Boyle, Sean	Constellation Energy Generation, LLC	Generation Owner
Braerman, Kenneth	Baltimore Gas and Electric Company	Transmission Owner
Brett, Jacob	Consolidated Energy, Inc	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Brouillette, Kyle	Indiana Municipal Power Agency	Electric Distributor
Brown, Richard (Rich)	PJM Interconnection, LLC	None
Brown, William	VECO Power Trading, LLC	Other Supplier
Browning, Corey	Invenergy, LLC	Generation Owner
Bruce, Susan	McNees Wallace & Nurick LLC	None
Bruno, Joshua	PJM Interconnection, LLC	None
Budd, Ike	NextEra Energy Marketing, LLC	Other Supplier
Burdis, Tim	PJM Interconnection, LLC	None
Burwen, Jason	Energy Storage	None
Bush Chambers, Laura	Tennessee Valley Authority (The)	Other Supplier
Calhoon, Kevin	Tyr Energy, LLC	Other Supplier
Callen, Zachary (Zac)	Illinois Commerce Commission	None
Cambrice, Amanda	Pattern Energy	None
Campbell, Bruce	Campbell Energy Advisors, LLC	None
Canter, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Cao, Roger	PJM Interconnection, LLC	None
Carmean, Gregory (Greg)	Organization of PJM States, Inc. (OPSI)	None
Carroll, Dave	Red Oak Power, LLC	Generation Owner
Cassapo, John	Williams	None
Cassity, Jon	Archer Contingent Energy Risk LLC	None
Cerchio, Gerard	Monitoring Analytics, LLC	None
Chadbourne, Jon	ArLight Energy Marketing, L.L.C.	Other Supplier
Chen, Hong	PJM Interconnection, LLC	None
Chintapalli, Raj	BP Energy Company	Other Supplier
Christopher, Mahila	Public Utilities Commission of Ohio (The)	None
Chu, George	PJM Interconnection, LLC	None
Cobb, Patrick	PJM Interconnection, LLC	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coffey, Tim	Tenaska Power Services Co.	Generation Owner
Coffey, TJ	Tenaska Power Services Co.	Generation Owner
Conatser, Ross	Williams	None
Concina, Wendell	Commonwealth Edison Company	Transmission Owner
Connell, Jason	PJM Interconnection, LLC	None
Corash, Richard (Rich)	PSEG Energy Resources & Trade LLC	Other Supplier
Cortez, Sarai	TrailStone Energy Marketing, LLC	Other Supplier
Cosby, Sarah	Dominion Virginia Power	None

Coscia, Carl	PJM Interconnection, LLC	None
Cox, Jason	Dynegy Power Marketing, Inc.	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	None
Crystle, Gil	UGI Development Company	Generation Owner
Curley, Maureen	PJM Interconnection, LLC	None
Curtis, Kenneth	Drilling Info, Inc.	None
Daft, Garrick	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Dajewski, Paul	PJM Interconnection, LLC	None
D'Annibale, Gregory	ConEdison Energy, Inc.	Other Supplier
D'Antonio, Phil	PJM Interconnection, LLC	None
Davies, Steve	Indiana Utility Regulatory Commission	None
Davin, Ken	Duke Energy Ohio, Inc.	Transmission Owner
Davis, David	Strata Solar	None
Davis, Elizabeth (Becky)	PJM Interconnection, LLC	None
Davis, James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis, Michael	Allegheny Electric Cooperative, Inc.	Electric Distributor
De Salvo, Russell	Commonwealth Edison Company	Transmission Owner
Del Viscio, Michael	PJM Interconnection, LLC	None
DeLosa, Joseph	DE Public Service Commission	None
DeMarco, Carl	NRG Power Marketing, LLC	Generation Owner
Denby, Brett	NOVEC	None
Depillo, Raymond	PSEG Energy Resources & Trade LLC	Other Supplier
DeSousa, Chris	PSEG Energy Resources & Trade LLC	Other Supplier
DeVita, Thomas	PJM Interconnection, LLC	None
Di Iorio, Michelle	PSEG Energy Resources & Trade LLC	Other Supplier
Diaz, Jesse	PJM Interconnection, LLC	None
Dillon, Matthew	UGI Development Company	Generation Owner
DiMartino, Denise	PJM Interconnection, LLC	None
DiNicola, Laura	FirstEnergy Corporation	Transmission Owner
Disciullo, Nicholas	PJM Interconnection, LLC	None
DiVito, Richard	RPA Advisors	None
Dodge, Tim	North Carolina Utilities Commission	None
Domian, Christin	Duquesne Light Company	Transmission Owner
Douglass, Robert	Constellation Energy Generation, LLC	Generation Owner
Downs, Jere	PJM Interconnection, LLC	None
Dray, Mary	NRG Power Marketing, LLC	Generation Owner
Drivas, Christina	Lightsource Renewable Energy Development, LLC	Other Supplier
Drom, Richard (Rick)	Eckert Seamans	None
Dropkin, Ilyana	PJM Interconnection, LLC	None
Dubrovsky, Michael	Engelhart CPT (US) LLC	Other Supplier
Dudley, Greg	Vision Ridge Partners	None
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Bill	Customized Energy Solutions, Ltd.*	None
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Edmonds, Brian	DC Public Service Commission	None
Eichner, Eric	Calpine Energy Services, L.P.	Generation Owner
Eirich, Chris	Arc Private Capital Inc.	Other Supplier
Elkins, Rachel	FirstEnergy Corporation	Transmission Owner
El-Tigani, Yasmin	Commonwealth Edison Company	Transmission Owner
Embs, Merrilee	Ohio Consumers' Counsel	End-Use Customer
Erdley, Mitch	SESCO Enterprises, LLC	Other Supplier
Ericson, Christine	Illinois Commerce Commission	None
Erikhman, Greg	ConEdison Energy, Inc.	None
Esquivel, Manuel	Enel X North America, Inc.	Other Supplier
Everngam, Scott	The Federal Energy Regulatory Commission	None
Fain, Daniel	Duke Energy Ohio, Inc.	Transmission Owner
Fan, Zhenyu	PJM Interconnection, LLC	None
Farhat, Michelle	PJM Interconnection, LLC	None
Faulkner, Matt	Dominion Virginia Power	None
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Fee, George	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Feng, Julian	PJM Interconnection, LLC	None
Fereshetian, Damon	PJM Interconnection, LLC	None

Ferguson, Mike	Indeck Energy Services, Inc.	Other Supplier
Fernandez, Ray	PJM Interconnection, LLC	None
Fitzgerald, John	Tennessee Valley Authority (The)	Other Supplier
Flamm, Sean	PJM Interconnection, LLC	None
Fluck, Maryjane	PJM Interconnection, LLC	None
Foladare, Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Folan, Aine	Karbone Inc.	None
Foley, Sheila	PJM Interconnection, LLC	None
Foster Cronin, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Franks, Christine	PJM Interconnection, LLC	None
Freeman, Michael	Emerald Energy Consulting, LLC	None
Frogg, Darrell	PJM Interconnection, LLC	None
Fuerst, Gary	American Transmission Systems, Inc.	Transmission Owner
Fuller, Peter	NRG Power Marketing, LLC	Generation Owner
Fusek, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gajdowski, Denise	PJM Interconnection, LLC	None
Garcia, Adamy	PJM Interconnection, LLC	None
Gates, Jill	PJM Interconnection, LLC	None
Gates, Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gibbons, Jaret	ARIPPA	None
Ginter, John	East Kentucky Power Cooperative, Inc.	Transmission Owner
Glazer, Craig	PJM Interconnection, LLC	None
Glazer, Grant	RMI	None
Gledhill, Andrew	PJM Interconnection, LLC	None
Gluck, Jim	PJM Interconnection, LLC	None
Goodstein, Jonathan	DC Energy, LLC	Other Supplier
Graf, Walter	PJM Interconnection, LLC	None
Granstrand, Luke	Dominion Virginia Power	None
Greene III, Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Griffith, Albert	Commonwealth Edison Company	Transmission Owner
Hall, Andrew	Borrego Energy, LLC	None
Hamal, Cliff	Navigant Consulting, Inc.	None
Hamdar, Hassan	SERC	None
Hamilton, Drew	Tenaska Power Services Co.	Generation Owner
Handlin, Michael	PJM Interconnection, LLC	None
Hanley, Maria	SERC	None
Hanser, Erik	Michigan Public Service Commission	None
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hartigan, Johnathan	Tilton Energy, LLC	Generation Owner
Hartman, Frank	PJM Interconnection, LLC	None
Hartung, Shanna	PJM Interconnection, LLC	None
Hasham, Aine	PJM Interconnection, LLC	None
Hastings, David	Market Interconnection Consulting Services (MICS)	None
Hatch, Kevin	PJM Interconnection, LLC	None
Hauske, David	PJM Interconnection, LLC	None
Hauske, Elizabeth	PJM Interconnection, LLC	None
Hauske, Thomas	PJM Interconnection, LLC	None
Hayik, Seth	PJM Interconnection, LLC	None
Healey, Terence	Cadwalader Wickersham & Taft LLP	None
Heater, Megan	PJM Interconnection, LLC	None
Heinle, Frederick (Erik)	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Heisey, Bradley	Tenaska Pennsylvania Partners, LLC	Generation Owner
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Herbert, Sebastian	DC Energy LLC	Other Supplier
Herel, Suzanne	PJM Interconnection, LLC	None
Herrold, Jack	Commonwealth Chesapeake Company, LLC	Generation Owner
Heuer, Paulette	LS Power Development, LLC	None
Hiller, Mike	Macquarie Energy LLC	Other Supplier
Hislop, David	PJM Interconnection, LLC	None
Hoatson, Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hoey, Edward	PJM Interconnection, LLC	None
Hoke, Michael	PJM Interconnection, LLC	None
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor

Holland, Michael	BHE Renewables	None
Hounshell, Jesse	Ohio Edison Company	Electric Distributor
Howland, Ethan	Industry Dive	None
Hsia, Eric	PJM Interconnection, LLC	None
Hua, Bowen	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Hudson, Wesley	Dominion Virginia Power	None
Huff, Alex	ACES Power	None
Hugee, Jacquelynn (Jacqui)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Hutton, Clark	Tennessee Valley Authority (The)	Other Supplier
Hyatt, Earl	Monitoring Analytics, LLC	None
Iler, Arthur (Art)	Indiana Office of Utility Consumer Counsel	End-Use Customer
Imburgio, Frank	Consolidated Energy, Inc	None
Iorii, Regina	State of Delaware	None
Irwin, Garth	Other	None
Jacobs, Mike	Union of Concerned Scientists	None
Jacoby, James	Atlantic City Electric Company	Electric Distributor
James, Eric	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Jasinski, Silke	Tenaska Power Services Co.	Generation Owner
Jasper, Madeline	RWE Renewables Americas, LLC	Generation Owner
Johns, Lucas	DC Energy LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	None
Johnston, David	Indiana Utility Regulatory Commission	None
Jolinda		
Jones, Scott	Indiana Office of Utility Consumer Counsel	End-Use Customer
Jones, Troy	Easton Utilities Commission	Electric Distributor
Kalaskar, Rahul	AES Ohio Generation, LLC	Generation Owner
Kamppila, Stephen	Essential Power LLC	Generation Owner
Keech, Adam	PJM Interconnection, LLC	None
Keefer, Jerry	PJM Interconnection, LLC	None
Keenan, Matthew	Jpower USA	None
Keller, Gwen	PJM Interconnection, LLC	None
Kelley, Frederick	Other	None
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	None
Kent, Janessa	Duquesne Light Company	Transmission Owner
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kim, Jiyeon	Constellation Energy Commodities Group, Inc.	None
Kimmel, David	PJM Interconnection, LLC	None
King, Alan	PBF Power Marketing, LLC	Generation Owner
Ko, William	Dynasty Power, Inc.	Other Supplier
Koepplinger, Alexandria	Michigan Public Service Commission	None
Korandovich, Bob	KORenergy, Ltd.	Other Supplier
Koskela, Bryon	PJM Interconnection, LLC	None
Koz, Brian	Alphataraxia Palladium LLC	None
Kraisinger, Alex	Tenaska Power Services Co.	Generation Owner
Kroh, Jud	RES America Developments, Inc.	Generation Owner
Kumar, Nikhil	SIG Energy, LLLP	Other Supplier
Kwok, Jordan	Charles River Associates	None
Laios, Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Langbein, Pete	PJM Interconnection, LLC	None
Lara, Marcelo	Other	None
LaRocque, Matthew (Matt)	PJM Interconnection, LLC	None
Larry, Steven	Tenaska Power Services Co.	Generation Owner
Last Name, First Name	Company	Sector
Lawton, Nick	Earthjustice	None
Leasure, Jill	Keystone Projects	None
Lee, Ray	PJM Interconnection, LLC	None
Leith-Yessian, Devin	RTO Insider	None
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Lemire, John	North Carolina Electric Membership Corporation	Electric Distributor
Li, Kanning	PJM Interconnection, LLC	None
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Corporation	Transmission Owner

Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lifer, Ryan	PJM Interconnection, LLC	None
Limbaugh, Mary	Kinder Morgan	None
Lin, Michael	SESCO Enterprises, LLC	Other Supplier
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Lochridge, Cameron	Merill Lynch Commodities, Inc.	Other Supplier
Loftus, Chad	PJM Interconnection, LLC	None
Long, Glenn	PJM Interconnection, LLC	None
Ludlu, Brandy	MISO	None
Luna, Joel	Monitoring Analytics, LLC	None
Lynch, Earl	PJM Interconnection, LLC	None
Lynch, Vicki	Vistra Corporation	None
Lynn, Brian	PJM Interconnection, LLC	None
MacArthur, Norman	Virginia Electric & Power Company	Transmission Owner
Mali, Gizella	PJM Interconnection, LLC	None
Malik, Naureen	Bloomberg News	None
Mann, Michael	Enel X North America, Inc.	Other Supplier
Marcino, Angelo	PJM Interconnection, LLC	None
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Martin, Andrew	NRG Power Marketing, LLC	Generation Owner
Mason, Gary	FirstEnergy Corporation	Transmission Owner
Matheson, Douglas (Doug)	Enel X North America, Inc.	Other Supplier
Mathew, Lagy	PJM Interconnection, LLC	None
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McAnany, James (Jim)	PJM Interconnection, LLC	None
McComb, John	PJM Interconnection, LLC	None
McCormick, Katharine	Illinois Commerce Commission	None
McDaniel, John	Baltimore Gas and Electric Company	Transmission Owner
McDewell, Christian	Commonwealth of PA	None
McElwaine, Kathy	PJM Interconnection, LLC	None
McElwee, Steve	PJM Interconnection, LLC	None
McGill, Susan	PJM Interconnection, LLC	None
McGovern, Jason	PJM Interconnection, LLC	None
McInerney, Timothy	Commonwealth Edison Company	Transmission Owner
McLavery, Megan	PJM Interconnection, LLC	None
McNeil, Justin	Office of the Attorney General, Kentucky	End-Use Customer
McNicholas, Daniel	Cogentrix Virginia Financing Holding Company, LLC	Other Supplier
Melendez, Sammy	SESCO Enterprises, LLC	Other Supplier
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Michna, Jake	Tios Capital, LLC	Other Supplier
Mihaly, Imola	Essential Power LLC	Generation Owner
Militello, Nikki	PJM Interconnection, LLC	None
Miller, John	Commonwealth Edison Company	Transmission Owner
Monroe, Diane	PJM Interconnection, LLC	None
Monzon, Stephanie	PJM Interconnection, LLC	None
Mooney, Molly	PJM Interconnection, LLC	None
Morehouse, Catherine	POLITICO	None
Mork, Robert	Indiana Office of Utility Consumer Counsel	End-Use Customer
Moskowitz, Sarah	Illinois Citizen Utility Board	End-Use Customer
Moye, Bob	Rainbow Energy Marketing Corporation	Other Supplier
Mueller, Ron	Twin Eagle Resource Management, LLC	Other Supplier
Mulhern, Joseph	PJM Interconnection, LLC	None
Murphy, Timothy	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Myers, Brian	Energy Aspects	None
Nader, Jordan	RunnerStone, LLC	None
Nakajima, Masahiro	Cube Hydro Partners, LLC	Generation Owner
Nandi, Ayana	REV Renewables	Generation Owner
Nanjundan, Narmada	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nice, Ryan	PJM Interconnection, LLC	None
Nichols, Ross	Adapt2 Solutions, Inc.	None
Nix, Emma	Gable and Associates	None
Nodarse, Kelvin	NextEra Energy Marketing, LLC	Other Supplier
Noel Jeune, Reynaldo	Acciona Energy North America Corporation	Generation Owner

Norman, Jason	Tennessee Valley Authority (The)	Other Supplier
Novosel, Sarah	Calpine Energy Services, L.P.	Generation Owner
O'Connell, Moira	PJM Interconnection, LLC	None
Oguchi, Yuki	Marubeni Corporation	None
O'Hara, Bernard (Bernie)	Sargent & Lundy	None
Olaleye, Michael	PJM Interconnection, LLC	None
O'Leary, Christopher (Chris)	PSEG Energy Resources & Trade LLC	Other Supplier
Olinger, Robert	Gen Ops, LLC	Other Supplier
Ondayko, Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	None
Orvis, Emily	Voltus, Inc.	Other Supplier
Osman, CJ	INGAA	None
Oxford, Emily	Tennessee Valley Authority (The)	Other Supplier
Pacella, Chris	PJM Interconnection, LLC	None
Pakela, Gregory (Greg)	DTE Energy Trading, Inc.	Other Supplier
Panahi, S. Jennifer	Troutman Sanders	None
Parasram, Patrick	Rockland Electric Company	Transmission Owner
Paryl, Ronald	Carroll County Energy LLC	None
Patel, Shodhan	Constellation Energy Generation, LLC	Generation Owner
Paulson, Erik	Customized Energy Solutions, Ltd.*	None
Pennell, Matt	PJM Interconnection, LLC	None
Perera, Asanga	PJM Interconnection, LLC	None
Peters, Michael	Messer, LLC	End-Use Customer
Phenix, Michael	TAQA Gen X LLC	Generation Owner
Philips, Marjorie (Marji)	Direct Energy Business Marketing, LLC	Other Supplier
Pietrantone, Joseph	Tennessee Valley Authority (The)	Other Supplier
Pilong, Christopher	PJM Interconnection, LLC	None
Pilong, Melissa	PJM Interconnection, LLC	None
Pincus, Steven	PJM Interconnection, LLC	None
Polito, Christopher	Sidley Austin LLP	None
Porter, Derek	Tilton Energy, LLC	Generation Owner
Powers, Sean	Linde Energy Services, Inc.	None
Price, Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Procutniar, Jason	Buckeye Power, Inc.	Electric Distributor
Puckett, Andrew	Tenaska Power Services Co.	Generation Owner
Quevada, Jason	PJM Interconnection, LLC	None
Raggio, Debra	Talen Energy Marketing, LLC	Generation Owner
Ramsay, Eli	PJM Interconnection, LLC	None
Rasmussen, Jay	Duke Energy Business Services LLC	Transmission Owner
Rayhorn, Carolyn	Dominion Virginia Power	None
Reffner, Brent	PJM Interconnection, LLC	None
Reid, Adrienne	Kinder Morgan	None
Renda, Michael	VECO Power Trading, LLC	Other Supplier
Riley, Greg	SESCO Enterprises, LLC	Other Supplier
Riley, Patrick	Archer Contingent Energy Risk	None
Robert		
Robinson, Evelyn	PJM Interconnection, LLC	None
Robson, Matt	SESCO Enterprises, LLC	Other Supplier
Rocha-Garrido, Patricio	PJM Interconnection, LLC	None
Rogers, Aaron	East Kentucky Power Cooperative, Inc.	Transmission Owner
Rohrbach, John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rose, Brian	FirstEnergy Corporation	Transmission Owner
Rosenthal, Peter	Energy Aspects	None
Roychowdhury, Meghadeep	Yes Energy, LLC	None
Ryan, Jim	PPMS, LLC	None
Ryan, Martin	NRG Power Marketing, LLC	Generation Owner
Saini, Ishwar	Macquarie Energy LLC	Other Supplier
Sanders, Cory	GenOn Energy Management, LLC	Generation Owner
Sarver, Jeff	SESCO Enterprises, LLC	Other Supplier
Sassaman, Teresa	Talen Energy Marketing, LLC	Generation Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Savage, Paul	Con Edison Co. of NY	None
Saxe, Barbara	Public Service Electric & Gas Company	Transmission Owner

Scheidecker, Paul	Monitoring Analytics, LLC	None
Scheirer, Alexandra	PJM Interconnection, LLC	None
Schleimer, Steven	Calpine Energy Services, L.P.	Generation Owner
Schmidt, Eric	PSEG Energy Resources & Trade LLC	Other Supplier
Schmitt, David	New Jersey Board of Public Utilities	None
Schmitt, Jeff	PJM Interconnection, LLC	None
Schott, John	Northeast Maryland Waste Disposal Authority	Generation Owner
Schreim, Morris	Maryland Public Service Commission	None
Schroeder, Connie	Virginia Electric & Power Company	Transmission Owner
Schultheis, Daniel	Constellation Energy Services, Inc.	Other Supplier
Schum, Alice	Illinois Municipal Electric Agency	Electric Distributor
Schuyler, Ken	PJM Interconnection, LLC	None
Schwarz, Stephanie	PJM Interconnection, LLC	None
Schwenk, Melissa	PJM Interconnection, LLC	None
Scott, Nicole	PJM Interconnection, LLC	None
Seh, Matthew	SESCO Enterprises, LLC	Other Supplier
Seibel, August	Roundtop Energy LLC	Generation Owner
Seiler, Kenneth (Ken)	PJM Interconnection, LLC	None
Servera, Max	Unicia Energy LP	Other Supplier
Shah, Pulin	PECO Energy Company	Transmission Owner
Shah, Vijay	PJM Interconnection, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shegarfi, Roozbeh	Exelon Business Services Company, LLC	Transmission Owner
Shi, Yichun	SESCO Enterprises, LLC	Other Supplier
Shields, Dan	ConEdison Energy, Inc.	Other Supplier
Shields, Tom	Avangrid Renewables, LLC	Generation Owner
Sikora, Cliff	Tilton Energy, LLC	Generation Owner
Sillin, John	The Federal Energy Regulatory Commission	None
Simon, Diane	Virginia Electric & Power Company	Transmission Owner
Singer, Chad	Trane Grid Services, LLC	Other Supplier
Skucas, Ruta	K & L Gates	None
Slater, Andrew	State of Delaware	None
Sliwa, Stanley (Stan)	PJM Interconnection, LLC	None
Snow, Jim	PJM Interconnection, LLC	None
Snyder, David	PJM Interconnection, LLC	None
Sock, Bryan	PSEG Energy Resources & Trade LLC	Other Supplier
Solomon, Greg	NextEra Energy Marketing, LLC	Other Supplier
Solon, James	DC Energy, LLC	Other Supplier
Sorrels, James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Souder, Michelle	PJM Interconnection, LLC	None
Sparks, Bridget	Dayton Power & Light Company (The)	Transmission Owner
Stefanowicz, Vincent	PJM Interconnection, LLC	None
Steichen, Renae	LS Power Development, LLC	None
Steinhart, Evan	Talen Energy Marketing, LLC	Generation Owner
Stemetzki, Michael	PJM Interconnection, LLC	None
Stern, Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner
Stevens, Scott	Talen Energy Marketing, LLC	Generation Owner
Stickney, Michael	Duke Energy Ohio, Inc.	Transmission Owner
Stone, Andy	PJM Interconnection, LLC	None
Strella, Lauren	PJM Interconnection, LLC	None
Stuchell, Jeff	FirstEnergy Corporation	Transmission Owner
Stupar, Rob	Invenergy, LLC	Generation Owner
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Su, Chris	Brookfield Energy Marketing LP	Other Supplier
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sullivan, Pamala	American Municipal Power	Electric Distributor
Summers, Jim	Delmarva Power & Light Company	Electric Distributor
Sun, CS	SESCO Enterprises LLC	Other Supplier
Sussler, Philip	State of Maryland	None
Tacka Furtaw, Natalie	PJM Interconnection, LLC	None
Tam, Simon	PJM Interconnection, LLC	None
Tangirala, Subha	ABB Enterprise Software Inc.	None

Tay, Sing	AES Laurel Mountain, LLC	Generation Owner
Taylor, Robert	Exelon Business Services Company, LLC	Transmission Owner
Theodore, Sharon	Electric Power Supply Association	None
Tiemann, Jeff	PJM Interconnection, LLC	None
Torrillo, Keith	SESCO Enterprises, LLC	Other Supplier
Traynor, Dan	Birdsboro Power LLC	Generation Owner
Tribulski, Jennifer (Jen)	PJM Interconnection, LLC	None
Tubridy, Meg	Rockland Electric Company	Transmission Owner
Tunno, Matt	SESCO Enterprises, LLC	Other Supplier
Tutino, Joseph	PJM Interconnection, LLC	None
Tyler, Catherine	Monitoring Analytics, LLC	None
Uhrin, Jim	Reliability First Corporation	None
Vaca, Francisco	Sterling Partners Energy Investors LLC	Other Supplier
VanderLaan, D. William	Illinois Commerce Commission	None
Vosoughinia, Arsham	PJM Interconnection, LLC	None
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Wagner, Toni	PJM Interconnection, LLC	None
Walters, John	PJM Interconnection, LLC	None
Wand, David	NJ Rate Counsel	None
Warren, Elizabeth	Tios Capital, LLC	Other Supplier
Watson, Jacob	East Kentucky Power Cooperative, Inc.	Transmission Owner
Weaver, Alex	Tilton Energy, LLC	Generation Owner
Webb, Becky	Commonwealth Edison Company	Transmission Owner
Webster, John	Dyon LLC	None
Wehnes, Kathleen	Maryland Public Service Commission	None
Wei, Jane	Monitoring Analytics, LLC	None
Weinant, Eric	Illinois Municipal Electric Agency	Electric Distributor
Wharton, Matthew	PJM Interconnection, LLC	None
Whitehead, Jeffrey (Jeff)	GT Power Group	None
Widom, Stuart (Stu)	PJM Interconnection, LLC	None
Williams, Fernie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wilson, Jonathan	Walden Renewables Development LLC	Other Supplier
Wilson, James	Wilson Energy Economics	None
Wilson, Sam	International Motor Press Association	None
Wingfield, Derek	East Kentucky Power Cooperative, Inc.	Transmission Owner
Witte, Tom	SESCO Enterprises LLC	Other Supplier
Woodyard, Phil	WGL Energy Services, Inc.	Other Supplier
Wykle, Teddy	Dominion Virginia Power	Transmission Owner
Wylie-Chambers, Ericka	Exelon Business Services Company, LLC	Transmission Owner
Wynder, Michael	PJM Interconnection, LLC	None
Xu, Xu	PJM Interconnection, LLC	None
Yan, Ray	SESCO Enterprises, LLC	Other Supplier
Yeaton, Andrea	PJM Interconnection, LLC	None
Yeh, Cynthia	Dominion Virginia Power	Transmission Owner
Yokobori, Tomoo	ITOCHU Corporation	None
Yoo, Kyungjin	PJM Interconnection, LLC	None
York, Joshua	LS Power Development, LLC	None
Youth, Michael	North Carolina Electric Membership Corporation	Electric Distributor
Yovanovich, Laura	PJM Interconnection, LLC	None
Yung, Brant	Big Sandy Peaker Plant, LLC	Generation Owner
Zadlo, Thomas	PJM Interconnection, LLC	None
Zamarro, Alexander	Enel X North America, Inc.	Other Supplier
Zamojcin, Ann	PJM Interconnection, LLC	None
Zhang, Michael (Mike)	PJM Interconnection, LLC	None
Zhao, Joe	Greenwich Commodities, LLC	None
Zhao, Rongda	Dominion Virginia Power	Generation Owner
Zheng, John	Atlantic City Electric Company	Electric Distributor
Zhou, Ming	PSEG Energy Resources & Trade LLC	Other Supplier
Zhu, Kun	Sun Energy	None



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