



Risk Management Committee

Webex August 23, 2022 1:00 p.m. – 3:30 p.m. EPT

Administration

 Jim Gluck and Christina Stotesbury, PJM, provided a welcome, announcements, and reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the Webex Participant Identification Requirements.

The Committee approved the draft minutes from the July 26, 2022 Risk Management Committee meeting by acclamation with 0 objections and 0 abstentions.

2. Chrissy Stotesbury, PJM, reviewed the Risk Management Committee work plan.

Informational Updates

3. FERC Updates

- A. Colleen Hicks, PJM, reviewed the recent FERC Order related to PJM's FTR Credit Requirement (ER22-2029-000, EL22-32-000) and next steps.
- B. Colleen Hicks, PJM, provided an update on the FERC NOPR's related to Duty of Candor (RM22-20-000) and Credit Related Information Sharing in Organized Wholesale Electric Markets (RM22-13-000).
- C. Colleen Hicks, PJM, provided an update on the Order to Show Cause related to the use of Mark to Auction and Volumetric Minimums for FTR Collateral in certain RTO/ISO's (EL22-62-000, EL22-63-000, EL22-64-000, EL22-65-000).

4. HSIM Implementation Update

James Waweru and Gwen Kelly, PJM, provided an update on the HSIM implementation.

First Readings

5. FTR Bilateral Review and Reporting Requirements – Matrix

Jim Gluck, PJM, reviewed the solution packages to address the FTR Bilateral Review and Reporting issue. **The committee will be asked to endorse a solution at its next meeting.**Issue Tracking: FTR Bilateral Review and Reporting Requirements

Working Items

6. Peak Market Activity Credit Requirement – Matrix

Jim Gluck, PJM, reviewed matrix interests, design components, status quo, and design options to address the Peak Market Activity (PMA) Credit issue.

Issue Tracking: Peak Market Activity Credit Requirement





- A. Yong Hu, PJM, reviewed an example of the proposed PMA calculation and timeline.
- 7. Market Participant Default Flexibility Matrix

Jim Gluck, PJM, facilitated a continued discussion on solution options and solution packages. **This** item will be presented as a first read at the September 20 RMC meeting.

Issue Tracking: Market Participant Default Flexibility

8. FTR Residual Credit Risk – Survey Results

Jim Gluck, PJM, reviewed results of the poll sent to the RMC on July 28. Issue Tracking: FTR Market Residual Risk Management

Additional Items

9. Key Risk Metrics

Gwen Kelly, PJM, reviewed key risk metrics for the committee's consideration and feedback.

10. GreenHat Update

Chris O'Hara, PJM, and Mark Stanisz, PJM, provided an update on the August 19, 2022 FERC orders approving stipulations and consent agreements that resolve claims arising from the GreenHat FTR default (Docket No. IN18-9-000).

Informational Section

Energy Price Formation Senior Task Force (EPFSTF)

Meeting materials and upcoming meeting dates are available on the <u>EPFSTF website</u>. Discussions involving risk may occur at the EPFSTF.

Operating Committee Special Session – Outage Coordination

Meeting materials and upcoming meeting dates are available on the OC website.

Bankruptcy Protections

Information related to bankruptcy protections solution package has been posted with the July RMC materials. The solution package will be first read at the August 24 Markets and Reliability Committee (MRC) meeting.

Issue Tracking: Bankruptcy Protections

Future Topics

Future Meeting Dates and Materials		Materials Due to Secretary	Materials Published	
Date	Time	Location		
September 20, 2022	1:00 p.m.	PJM Conference & Training Center/Webex	September 8, 2022	September 13, 2022





October 19, 2022	1:00 p.m.	PJM Conference & Training Center/Webex	October 7, 2022	October 12, 2022
November 15, 2022	1:00 p.m.	PJM Conference & Training Center/Webex	November 3, 2022	November 8, 2022
December 20, 2022	1:00 p.m.	PJM Conference & Training Center/Webex	December 8, 2022	December 13, 2022

Author: Christina Stotesbury

Webex Meeting Attendees

Stotesbury, Christina (Secretary) PJM Interconnection, LLC Adams, Sean PSEG Energy Resources & Trade LLC Other Supplier Afelumo, Foluso Babp, Alan PJM Interconnection, LLC None Barker, Jason Constellation Energy Generation, LLC Benchek, Jim American Transmission Systems, Inc. Bruce, Susan McNees Wallace & Nurick LLC Canter, David AEP Appalachian Transmission Company, Inc. Transmission Owner Chen, Huayu (Hannah) 5 Dimensions Energy None Christopher, Mahila Public Utilities Commission of Ohio (The) None Christopher, Mahila Poble Energy LLC Corden, Richard (Rich) PSEG Energy Resources & Trade LLC Other Supplier Cox, Jason Dynegy Power Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Davis, James PJM Interconnection, LLC None Dirani, Rami PJM Interconnection, LLC None Dirani, Rami PJM Interconnection, LLC None Duensing, Allison Saracen Energy East LP Other Supplier Dugan, Chuck East Kentucky Power Cooperative, Inc. Transmission Owner Dumitriu, Nick East Kentucky Power Cooperative, Inc. Transmission Owner FirstEnergy Copporation Transmission Owner FirstEnergy Copporation Transmission Owner PJM Interconnection, LLC None Dumitriu, Nick FirstEnergy Copporation Transmission Owner Foldare, Kenneth (Ken) Generation Owner Other Supplier	Name	Company	Sector
Adams, Sean PSEG Energy Resources & Trade LLC Other Supplier Afelumo, Foluso PJM Interconnection, LLC None Babp, Alan PJM Interconnection, LLC None Barker, Jason Constellation Energy Generation, LLC Generation Owner Benchek, Jim American Transmission Systems, Inc. Transmission Owner Bigelow, Christina Pine Gate Mid-Atlantic, LLC Other Supplier Bruce, Susan McNees Wallace & Nurick LLC None Canter, David AEP Appalachian Transmission Company, Inc. Transmission Owner Chen, Huayu (Hannah) 5 Dimensions Energy None Christopher, Mahila Public Utilities Commission of Ohio (The) None Chu, Michael Forest Investment Group, LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Cox, Jason Dynegy Power Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Diaz, Jesse PJM Interconnection, LLC None Diran, Rami PJM Interconnection, LLC None Diran, Rami PJM Interconnection, LLC None Duensing, Allison Saracen Energy East LP Other Supplier Cask Kentucky Power Cooperative, Inc. Transmission Owner Dumitriu, Nick PJM Interconnection, LLC None East Kentucky Power Cooperative, Inc. Transmission Owner East Kentucky Power Cooperative, Inc. Transmission Owner Dumitriu, Nick PJM Interconnection, LLC None East Kentucky Power Cooperative, Inc. Transmission Owner East Kentucky Power Cooperative, Inc. Transmission Owner Fan, Zhenyu PJM Interconnection, LLC None FaristEnergy Corporation Transmission Owner Fan, Zhenyu PJM Interconnection, LLC None Fazio, Danielle Noble Americas Gas & Power Corp. Other Supplier Filomena, Guy Customized Energy Solutions, Ltd.	Gluck, Jim (Facilitator)	PJM Interconnection, LLC	None
Afelumo, Foluso PJM Interconnection, LLC None Babp, Alan PJM Interconnection, LLC None Barker, Jason Constellation Energy Generation, LLC Generation Owner Benchek, Jim American Transmission Systems, Inc. Transmission Owner Bigelow, Christina Pine Gate Mid-Atlantic, LLC Other Supplier Bruce, Susan McNees Wallace & Nurick LLC None Canter, David AEP Appalachian Transmission Company, Inc. Transmission Owner Chen, Huayu (Hannah) 5 Dimensions Energy None Chen, Huayu (Hannah) 7 Dimensions Energy None Chu, Michael Profest Investment Group, LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Cox, Jason Dynegy Power Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Dent, Duane PJM Interconnection, LLC None Dizar, Jesse PJM Interconnection, LLC None Dirani, Rami PJM Interconnection, LLC None Dumy, Yibing PJM Interconnection, LLC None Duugan, Chuck East Kentucky Power Cooperative, Inc. Transmission Owner Dumythiu, Nick PJM Interconnection, LLC None Dugan, Chuck East Kentucky Power Cooperative, Inc. Transmission Owner Eaker, Kaitlin (Kate) Tenaska Power Services Co. Generation Owner Elkins, Rachel FirstEnergy Corporation Transmission Owner Fan, Zhenyu PJM Interconnection, LLC	Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	None
Babp, Alan PJM Interconnection, LLC Generation Owner Barker, Jason Constellation Energy Generation, LLC Generation Owner Benchek, Jim American Transmission Systems, Inc. Transmission Owner Bigelow, Christina Pine Gate Mid-Atlantic, LLC Other Supplier Bruce, Susan McNees Wallace & Nurick LLC None Canter, David AEP Appalachian Transmission Company, Inc. Transmission Owner Chen, Huayu (Hannah) 5 Dimensions Energy None Christopher, Mahila Public Utilities Commission of Ohio (The) None Chu, Michael Forest Investment Group, LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Corash, Richard (Rich) PSEG Energy Resources & Trade LLC Other Supplier Cox, Jason Dynegy Power Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Dent, Duane PJM Interconnection, LLC None Diza, Jesse PJM Interconnection, LLC None Downs, Jere PJM Interconnection, LLC None Downs, Jere PJM Interconnection, LLC None Duensing, Allison Saracen Energy East LP Other Supplier Dugan, Chuck East Kentucky Power Cooperative, Inc. Transmission Owner Dumitriu, Nick PJM Interconnection, LLC None Eaker, Kaitlin (Katie) Tenaska Power Services Co. Generation Owner First Energy Corporation Transmission Owner First Energy Corporation Transmission Owner First Energy Corporation Transmission Owner First Energy Coutening, LLC None First Energy Corporation Transmission Owner First Energy Coutening Energy Solutions, Ltd.	Adams, Sean	PSEG Energy Resources & Trade LLC	Other Supplier
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Benchek, Jim American Transmission Systems, Inc. Transmission Owner Bigelow, Christina Pine Gate Mich-Atlantic, LLC Other Supplier Bruce, Susan McNees Wallace & Nurick LLC None Canter, David AEP Appalachian Transmission Company, Inc. Transmission Owner Chen, Huayu (Hannah) 5 Dimensions Energy None Christopher, Mahila Public Utilities Commission of Ohio (The) None Chu, Michael Forest Investment Group, LLC Other Supplier Cockrell, Justin DC Energy LLC Other Supplier Corash, Richard (Rich) PSEG Energy Resources & Trade LLC Other Supplier Cox, Jason Dynegy Power Marketing, Inc. Generation Owner Davis, James Dominion Energy Generation Marketing, Inc. Generation Owner Diaz, Jesse PJM Interconnection, LLC None Dirani, Rami PJM Interconnection, LLC None Downs, Jere PJM Interconnection, LLC None Duensing, Allison Saracen Energy East LP Other Supplier Dugan, Chuck East Kentucky Power Cooperative, Inc. Transmission Owner Dumitriu, Nick PJM Interconnection, LLC None Eaker, Kaitlin (Katie) Tenaska Power Services Co. Generation Owner Fan, Zhenyu PJM Interconnection, LLC None Fazio, Danielle Noble Americas Gas & Power Corp. Other Supplier Filomena, Guy Customized Energy Solutions, Ltd.	Babp, Alan	PJM Interconnection, LLC	None
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Fazio, Danielle Noble Americas Gas & Power Corp. Customized Energy Solutions, Ltd. None Foladare, Kenneth (Ken) Geenex Solar LLC Other Supplier Other Supplier	Elkins, Rachel	FirstEnergy Corporation	Transmission Owner
Filomena, Guy Customized Energy Solutions, Ltd. None Foladare, Kenneth (Ken) Geenex Solar LLC Other Supplier	Fan, Zhenyu	PJM Interconnection, LLC	None
Foladare, Kenneth (Ken) Geenex Solar LLC Other Supplier	Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
	Filomena, Guy	Customized Energy Solutions, Ltd.	None
Ford, Adrien Old Dominion Electric Cooperative Electric Distributor	Foladare, Kenneth (Ken)	Geenex Solar LLC	Other Supplier
	Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor





Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Grant, Edie	Old Dominion Electric Cooperative	Electric Distributor
Greening, Michele	PJM Interconnection, LLC	None
Greiner, Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Haas, Howard	Monitoring Analytics, LLC	None
Hartung, Shanna	PJM Interconnection, LLC	None
Hayik, Seth	Monitoring Analytics, LLC	None
Heater, Megan	PJM Interconnection, LLC	None
Heinle, Frederick (Erik)	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Hepplewhite, Peter	Wrigley Capital LLC	Other Supplier
Herbert, Sebastian	DC Energy LLC	Other Supplier
Herrera, Maria	PJM Interconnection, LLC	None
Hicks, Dave	Noble Americas Energy Solutions LLC	None
Hinton, Christine	Commonwealth Edison Company	Transmission Owner
Hoatson, Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	None
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	None
Hu, Yong	PJM Interconnection, LLC	None
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	None
ller, Arthur (Art)	Indiana Office of Utility Consumer Counsel	End-Use Customer
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.	None
Johnson, Ryan	NRG Power Marketing LLC	Generation Owner
Johnston, Dave	Indiana Utility Regulatory Commission	None
Jones, Scott	Indiana Office of Utility Consumer Counsel	End-Use Customer
Kazerooni, Hamid	PJM Interconnection, LLC	None
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
LaRocque, Matt	PJM Interconnection, LLC	None
Lewis, Lisa	Dominion Virginia Power	None
Maloney, Lynn	Old Dominion Electric Cooperative	Electric Distributor
Maroney, Eileen	Commonwealth Edison Company	Transmission Owner
	PJM Interconnection, LLC	None





McNeil, Justin	Kentucky Public Service Commission	End-Use Customer
McNicholas, Daniel	Cogentrix	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mooy, Dan	Energy Exemplar	None
Morelli, Lisa	PJM Interconnection, LLC	None
Nanjundan, Narmada	East Kentucky Power Cooperative, Inc.	Transmission Owner
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
O'Brien, Nick	Monitoring Analytics, LLC	None
O'Hara, Chris	PJM Interconnection, LLC	None
Pakela, Gregory (Greg)	DTE Energy Trading, Inc.	Other Supplier
Patel, Anita	PJM Interconnection, LLC	None
Patt, Kathleen (Kate)	PJM Interconnection, LLC	None
Pelletier, Èveline	Hydro-Quebec	None
Picarelli, David	PJM Interconnection, LLC	None
Price, Mark	DC Energy Mid-Atlantic, LLC	None
Rhee, Philip	PJM Interconnection, LLC	None
Rios, Vireli	PJM Interconnection, LLC	None
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Scherer, Paul	AEP Energy Partners, Inc.	Transmission Owner
Schmitt, Jeffrey	PJM Interconnection, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shields, Jeffrey	PJM Interconnection, LLC	None
Sidhom, Noha	Inertia Power I, LLC	Other Supplier
Sims, Thomas (Tom)	FirstEnergy Corporation	Transmission Owner
Sloan, Ben	Organization of PJM States, Inc.	None
Sock, Bryan	PSEG Energy Resources & Trade LLC	Other Supplier
Souder, Michelle	PJM Interconnection, LLC	None
Springman, Kent	Allegheny Electric Cooperative, Inc.	Electric Distributor
Stanisz, Mark	PJM Interconnection, LLC	None
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	GT Power Group	None
Thompson, Matthew	SO Energy MA, L.P.	Other Supplier
Tibbetts, Maeve	K & L Gates	None
Tribulski, Jennifer (Jen)	PJM Interconnection, LLC	None
Walcavich, Colin	National Grid Renewables, LLC	None
Waweru, James	PJM Interconnection, LLC	None





Whitehead, Jeffrey (Jeff)	GT Power Group	None
Wylie-Chambers, Ericka	Exelon Business Services Company, LLC	Transmission Owner
Xu, Xu	PJM Interconnection, LLC	None
Yoo, Kyungjin (Jin)	None	None
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor

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