



Reserve Certainty Sr. Task Force Teleconference/Webex June 12, 2024 9:00 a.m. – 4:00 p.m. EPT

#### Administration

1. Lisa Morelli, facilitator, and Amanda Egan secretary, welcomed participants, made announcements and reviewed the Anti-trust, Code of Conduct, and Media Participation Guidelines.

#### **Consensus Based Issue Resolution**

- 2. Emily Barrett, PJM, reviewed PJM's Reserve Requirements proposal.
- 3. Danial Nazemi, PJM, reviewed analysis on the impacts of new secondary reserve requirements on Day-Ahead and Real-Time Market Clearing Prices.
- 4. Emily Barrett, PJM, reviewed draft manual language revisions to Manual 11 and Manual 13 to support the proposed reserve requirement changes.
- 5. Joel Romero Luna, IMM, provided feedback regarding PJM's 30 minute reserve requirement proposal.
- 6. Emily Barrett, PJM, reviewed PJM's Reserve Deployment Proposal.
- 7. Emily Barrett, PJM, reviewed draft revisions to the Operating Agreement, Tariff and Manuals 11, 12 and 28 to support the reserve deployment proposal.
- 8. Amanda Egan, PJM, provided information on the package vote scheduled to take place after the June 12, 2024 RCSTF meeting.

#### Education (1:00-1:30)

- Emily Barrett, PJM, reviewed a comparison of reserve practices across RTO's to support work on Key Work Activity 3: Reserve Offer Structure / Fuel Procurement Alignment.
- 2. Emily Barrett, PJM, provided a first read of PJM's Reserve Requirements proposal.
- 3. David Kimmel, PJM, reviewed details on the calculation of scheduling reserves.
- 4. Joey Tutino, PJM, provided a historical lookback at 30-minute reserve procurement and availability.
- 5. Emily Barrett reviewed draft manual language revisions to Manual 11: Energy and Ancillary Services Market Operations and Manual 13: Emergency Operations.
- 6. Emily Barrett provided a first read of PJM's Reserve Deployment Proposal.
- 7. Erkan Tuna, PJM, provided a review of the AGC implementation supporting the Reserve Deployment changes.
- 8. Emily Barrett reviewed draft language revisions to Manual 12: Balancing Operations.





#### **Future Agenda Items**

9.10. Lisa Morelli, PJM, reviewed meeting action items and discussed future agenda items.

Future Meeting Dates and Materials			Materials Due	Materials Published
<u>Date</u>	<u>Time</u>	<u>Location</u>	to Secretary	<u>Materials Published</u>
July 17, 2024	9 am to 4 pm	Teleconference/Webex	July 9, 2024	July 12, 2024
August 14, 2024	9 am to 4 pm	Teleconference/Webex	August 6, 2024	August 9, 2024
September 18, 2024	9 am to 4 pm	Teleconference/Webex	<u>September 10, 2024</u>	<u>September 13, 2024</u>
October 16, 2024	9 am to 4 pm	Teleconference/Webex	October 08, 2024	October 11, 2024
November 13, 2024	9 am to 4 pm	Teleconference/Webex	November 05, 2024	November 08, 2024
December 11, 2024	9 am to 4 pm	Teleconference/Webex	<u>December 03, 2024</u>	<u>December 06, 2024</u>

Author: Amanda Egan

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#### **Attendees**

Last Name	First Name	Company Name	Sector
Anders	David	PJM Interconnection	None
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Androwick	Tim	PJM Interconnection	None
Baizman	Aaron	PJM Interconnection	None
Balyk	Joel	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
Barrett	Emily	PJM Interconnection	None
Bhavaraju	Murty	PJM Interconnection	None
Boneck	Stephen	Statar Capital LLC	None
Bowker	Shannon	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Breidenbaugh	Aaron	Stones DR, LLC	Other Supplier
Bresler	Stu	PJM Interconnection	None
Brophy	Conor	PJM Interconnection	None
Bruce	Susan	McNees Wallace & Nurick LLC	None
Bruno	Patrick	PJM Interconnection	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canchi	Devendra	Monitoring Analytics	None
Cao	Roger	PJM Interconnection	None
Carrier	Ronald	Big Lake Consulting Group, LLC	None
Carroll	Rebecca	PJM Interconnection	None
Carson	Donna	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	None





Last Name	First Name	Company Name	Sector
Chen	Yang	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Chu	George	PJM Interconnection	None
Ciabattoni	Joseph	PJM Interconnection	None
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Connolly	Matthew	PJM Interconnection	None
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Coyle	Billy	Dominion Virginia Power	Transmission Owner
Coyne	Suzanne	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
Cusick	Kerinia	Center for Renewables Integration	None
Dalton	David	Virginia State Corporation Commission	None
Dantonio	Phil	PJM Interconnection	None
Davis	Elizabeth	PJM Interconnection	None
<del>Davis</del>	James	Dominion Energy Generation Marketing, Inc.	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Donohue	Erin	Enel X North America, Inc.	Other Supplier
Dorko	Keri	Monitoring Analytics	None
Downs	Jere	PJM Interconnection	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	None
Everngam	Scott	Blue Horseshoe Energy LLC	None
Fan	Zhenyu	PJM Interconnection	None
Fereshetian	Damon	PJM Interconnection	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Sari	MAREC Action	None
Fitzpatrick	Brian	PJM Interconnection	None
Flamm	Sean	PJM Interconnection	None
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Constellation Energy Generation, LLC	Generation Owner
Franks	Edmund	PJM Interconnection	None
Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Garcia	Adamy	PJM Interconnection	None
Gates	Terry	Appalachian Power Company	Transmission Owner
Gilani	Rehan	RWE CLEAN ENERGY WHOLESALE SERVICES, INC.	Other Supplier
Gorman	Brad	American Transmission Systems, Inc.	Transmission Owner
Graf	Walter	PJM Interconnection	None
Granstrand	Luke	Dominion Virginia Power	Transmission Owner
Grimes	Jordan	Morgan Stanley Capital Group, Inc.	Other Supplier
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Hamilton	Dalton	PJM Interconnection	None
Hastings	David	Long Island Lighting Company dba LIPA	Other Supplier
Hatch	Kevin	PJM Interconnection	None





Last Name	First Name	Company Name	Sector
Hauske	David	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
He	Esther	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Himmelspach	Treasa	Appalachian Power Company	Transmission Owner
Hislop	David	PJM Interconnection	None
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hoffman	Jeff	PJM Interconnection	None
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hsia	Eric	PJM Interconnection	None
Hurd	Shawn	Monongahela Power Company	Transmission Owner
Hyzinski	Tom	GT Power Group, LLC	None
<del>Janicki</del>	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Jones	Scott	Indiana Office of Utility Consumer Counselor	End-Use Customer
Keech	Adam	PJM Interconnection	None
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Keshavamurthy	Bhavana	PJM Interconnection	None
Khan	Aftab	PJM Interconnection	None
Kimmel	David	PJM Interconnection	None
Kirk	Steven	NextEra Energy Marketing, LLC	Other Supplier
Lang-Ree	Claire	NRDC	None
LeithYessian	Devin	RTOinsider	None
Litzke	<del>Jack</del>	PJM Interconnection	None
Lu	Chenchao	PJM Interconnection	None
Mabry	David	McNees Wallace & Nurick LLC	None
Marcino	Angelo	PJM Interconnection	None
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Matheson	Eric	Private Citizen	None
McDewell	Christian	Pennsylvania Public Utility Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli	Lisa	PJM Interconnection	None
Moscovitz	Daniel	PJM Interconnection	None
Nazemi	<del>Danial</del>	PJM Interconnection	None
Nice	Ryan	PJM Interconnection	None
Nix	Emma	EDF Renewable Development, Inc.	None
Noonan	Casey	PJM Interconnection	None
Olaleye	Michael	PJM Interconnection	None
Ondayko	Brock	AEP Energy Partners, Inc.	Transmission Owner





Last Name	First Name	Company Name	Sector
Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel	Harshil	PJM Interconnection	None
Patel	Keyurbhai	PJM Interconnection	None
Petrov	Matt	PJM Interconnection	None
Phillips	Darlene	PJM Interconnection	None
Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pohlod	Michael	Voltus, Inc.	Other Supplier
Poulos	Greg	CAPS	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Romero Luna	Joel	Monitoring Analytics	None
Rumsey	Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rutledge	Craig	Appalachian Power Company	Transmission Owner
Samuel	Allison	Virginia State Corporation Commission	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Scheirer	Alexandra	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Sener	Can	Caerus Commodities Trading LP	Other Supplier
Shah	Vijay	PJM Interconnection	None
Sloan	Ben	Organization of PJM States, Inc.	None
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sprinkle	Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Storino	Laura	NJ Board of Public Utilities	End-Use Customer
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Taylor	Dan	PJM Interconnection	None
<del>Tell</del>	Shawn	Blackcoat Capital	None
Theodore	Sharon	EPSA	None
Thomas	Henry	PJM Interconnection	None
Trease	Rhett	Duke Energy Kentucky, Inc.	Transmission Owner
<del>Tuna</del>	Erkan	PJM Interconnection	None
Tutino	Joseph	PJM Interconnection	None
Tyler	Catherine	Monitoring Analytics	None
	Bryna	Sabinsville SunPower, LLC	None
Vinnik	Daniel	PJM Interconnection	None
Whitehead	Jeffrey	GT Power Group, LLC	None
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner





Last Name	First Name	Company Name	Sector
<del>Zhao</del>	Tong	PJM Interconnection	None
Last Name	First Name	Company Name	<u>Sector</u>
<u>Ahuja</u>	<u>Manan</u>	RiverCrest Power-South, LLC	Other Supplier
Anders	David	PJM Interconnection	<u>None</u>
Anderson	Jared	S&P Global Inc.	<u>None</u>
Anderson	<u>Juliet</u>	Constellation Energy Generation, LLC	Generation Owner
<u>Baizman</u>	Aaron	PJM Interconnection	<u>None</u>
Balyk	<u>Joel</u>	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
Barnet	Philip	Monitoring Analytics	None
Barrett	Emily	PJM Interconnection	<u>None</u>
<u>Bhattacharjee</u>	Shubhrajit	PJM Interconnection	<u>None</u>
Boneck	Stephen	Statar Capital LLC	<u>None</u>
Bowker	Shannon	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Breidenbaugh	Aaron	Enerwise Global Technologies, LLC	Other Supplier
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	McNees Wallace & Nurick LLC	None
Bruno	Patrick	PJM Interconnection	None
Bryson	Michael	PJM Interconnection	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Carmean	Gregory	Organization of PJM States, Inc.	None
Carrier	Ron	Big Lake Consulting Group, LLC	None
Carroll	Rebecca	PJM Interconnection	None
Carson	Donna	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Chu	George	PJM Interconnection	None
Ciabattoni	Joseph	PJM Interconnection	None
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Connolly	Matthew	PJM Interconnection	None
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Coyne	Suzanne	PJM Interconnection	None
Croop	<u>Danielle</u>	PJM Interconnection	None
Curtis	Kenneth	Enverus, Inc.	None
Dantonio	Phil	PJM Interconnection	None
<u>Davis</u>	<u>James</u>	Dominion Energy Generation Marketing, Inc.	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dorko	Keri	Monitoring Analytics	None
Downs	<u>Jere</u>	PJM Interconnection	None
<u>Dugan</u>	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
<u>Dugan</u> Dumitriu	Nicolae	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None





Last Name	First Name	Company Name	Sector
<u>Everngam</u>	Scott	Blue Horseshoe Energy LLC	None
<u>fan</u>	<u>zhenyu</u>	PJM Interconnection	None
<u>Fereshetian</u>	<u>Damon</u>	PJM Interconnection	<u>None</u>
<u>Filomena</u>	Guy	Customized Energy Solutions, Ltd.	None
<u>Fink</u>	<u>Sari</u>	MAREC Action	None
<u>Flamm</u>	<u>Sean</u>	PJM Interconnection	None
<u>Foladare</u>	Kenneth	Geenex Solar LLC	Other Supplier
<u>Ford</u>	Adrien	Constellation Energy Generation, LLC	Generation Owner
Frogg	<u>Darrell</u>	PJM Interconnection	None
<u>Fuller</u>	<u>Peter</u>	Autumn Lane Energy Consulting LLC	None
<u>Fultz</u>	<u>McClain</u>	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Garnett	<u>Bryan</u>	Duke Energy Ohio, Inc.	Transmission Owner
Giacomoni	Anthony	PJM Interconnection	None
Gorman	Bradley	American Transmission Systems, Inc.	Transmission Owner
Graf	Walter	PJM Interconnection	None
Greene	Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Grey	Bruce	Samsung C&T America	None
Guler	Teoman	PJM Interconnection	None
<u>Hastings</u>	David	Long Island Lighting Company dba LIPA	Other Supplier
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hurd	Shawn	Monongahela Power Company	Transmission Owner
Hyatt	Earl	Monitoring Analytics	None
<u>Hyzinski</u>	Tom	GT Power Group, LLC	None
<u>Janicki</u>	<u>Diane</u>	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Noah	Voltus, Inc.	Other Supplier
Jones	Scott	Indiana Office of Utility Consumer Counselor	End-Use Customer
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Keshavamurthy	Bhavana	PJM Interconnection	None
Kimmel	David	PJM Interconnection	None
Kirk	Steven	NextEra Energy Marketing, LLC	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kosner	Bob	Illinois Municipal Electric Agency	Electric Distributor
Liang-Nicol	Cecilia	Monongahela Power Company	Transmission Owner
Luna	<u>Joel</u>	Monitoring Analytics	None





Last Name	First Name	Company Name	Sector
<u>Marcino</u>	<u>Angelo</u>	PJM Interconnection	<u>None</u>
<u>Mariam</u>	<u>Yohannes</u>	Office of the People's Counsel for the District of Columbia	End-Use Customer
<u>Mason</u>	Gary	Monongahela Power Company	<u>Transmission Owner</u>
<u>Matheson</u>	<u>Eric</u>	Private Citizen	<u>None</u>
<u>Maucher</u>	<u>Andrea</u>	Delaware Division of the Public Advocate	End-Use Customer
<u>McAnany</u>	<u>James</u>	PJM Interconnection	<u>None</u>
<u>McClelland</u>	<u>Maura</u>	Public Utilities Commission of Ohio	<u>None</u>
<u>McDewell</u>	Christian	Pennsylvania Public Utility Commission	<u>None</u>
<u>McLean</u>	Ту	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
<u>McNeil</u>	<u>Justin</u>	Kentucky Public Service Commission	<u>None</u>
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
<u>Morelli</u>	<u>Lisa</u>	PJM Interconnection	None
<u>Moscovitz</u>	<u>Daniel</u>	PJM Interconnection	None
<u>Nazemi</u>	<u>Danial</u>	PJM Interconnection	None
nivolianitis	ted	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
<u>Nix</u>	<u>Emma</u>	EDF Renewable Development, Inc.	None
<u>Noonan</u>	Casey	PJM Interconnection	None
<u>Oakes</u>	<u>Brian</u>	PJM Interconnection	None
Olaleye	Michael	PJM Interconnection	None
<u>Ondayko</u>	<u>Brock</u>	AEP Energy Partners, Inc.	Transmission Owner
<u>Osborn</u>	Eric	EDF Trading North America, LLC	Other Supplier
Pakela Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
patel	keyurbhai	PJM Interconnection	None
Patterson	Aaron	NorthBridge Group	None
Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pinto	Herminio	Altrock LLC	Other Supplier
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Rasmussen	<u>Joshua</u>	ENERGY GPS LLC	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Rosenthal	Peter	Castleton Commodities Merchant Trading L.P.	Other Supplier
Rumsey	Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rutledge	Craig	Appalachian Power Company	Transmission Owner
Samuel	Allison	Virginia State Corporation Commission	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarp	David	Calpine Energy Services, L.P.	Generation Owner
Scheirer	Alexandra	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shah	Vijay	PJM Interconnection	None
Sloan	Ben	Organization of PJM States, Inc.	None
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Sturgeon	<u>John</u>	Duke Energy Business Services LLC	Transmission Owner





Last Name	First Name	Company Name	Sector
Swalwell	<u>Brad</u>	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	Northern Virginia Electric Cooperative	Electric Distributor
<u>Swigonski</u>	<u>Frank</u>	Jupiter Power LLC	Other Supplier
<u>Taylor</u>	<u>Daniel</u>	PJM Interconnection	<u>None</u>
<u>Tell</u>	<u>Shawn</u>	Blackcoat Capital	<u>None</u>
<u>Theodore</u>	<u>Sharon</u>	<u>EPSA</u>	<u>None</u>
<u>Thomas</u>	<u>Henry</u>	PJM Interconnection	<u>None</u>
<u>Tuna</u>	<u>Erkan</u>	PJM Interconnection	<u>None</u>
<u>Tutino</u>	<u>Joseph</u>	PJM Interconnection	<u>None</u>
<u>VanBlargan</u>	<u>Bryna</u>	Sabinsville SunPower, LLC	<u>None</u>
<u>Vinnik</u>	<u>Daniel</u>	PJM Interconnection	<u>None</u>
Wharton	Matthew	PJM Interconnection	<u>None</u>
Whitehead	<u>Jeffrey</u>	GT Power Group, LLC	None
Zhang	<u>Mike</u>	PJM Interconnection	<u>None</u>

<u>Provide feedback on the progress of this group: Facilitator Feedback Form</u>

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