



Critical Issue Fast Path - Resource Adequacy PJM Conference and Training Center June 1, 2023 9:00 a.m. – 4:00 p.m. EPT

### Administration (9:00-9:15)

1. Jen Tribulski, facilitator, and Jaclynn Lukach, secretary, welcomed participants, make announcements, and review the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.

The task force approved the Draft Minutes for the CIFP – RA Stage 2 meeting on May 30, 2023.

Jen Tribulski reviewed the CIFP – RA work plan.

### **Education Part I (9:15-11:15)**

- PJM presented on the dispatch of resources with respect to the following items as requested by Stakeholders.
  - A. Demand Response Dispatch
  - B. Behind-The-Meter Generator Dispatch
- 3. Roy Shanker presented on CETL.

### CIFP – Resource Adequacy Stage Two Process (11:15-2:45)

- 4. Jen Tribulski, lead a discussion on the CIFP RA Matrix. The following Stakeholders requested the opportunity to provide additional options for consideration.
  - A. Eric Heinle (Vistra)
  - B. Tom Rutigliano (NRDC)
  - C. Dick Brooks (Reliable Energy Analytics, LLC)

A lunch break will be approximately around Noon

### Education Part II (2:45-3:30)

5. Brian Fitzpatrick, PJM, presented on PJM's Capacity Market Fuel Assurance Accreditation Concept.

### Next Steps (3:30-4:00)

6. Jen Tribulski, PJM, will discuss next steps.





### In Person Attendance

Last Name	First Name	Company	Sector
Bruno	Pat	PJM Interconnection	None
Esterly	Theresa	PJM Interconnection	None
Heinle	Erik	Dynegy Marketing and Trade, LLC	Generation Owner
Keech	Adam	PJM Interconnection	None
Langbein	Pete	PJM Interconnection	None
Lukach	Jaclynn	PJM Interconnection	None
Rocha Garrido	Patricio	PJM Interconnection	None
Rutigliano	Tom	Natural Resources Defense Council	None
Steven	Kirk	NextEra Energy Marketing, LLC	Other Supplier
Tribulski	Jen	PJM Interconnection	None

### WebEx Attendance

Last Name	First Name	Company	Sector
Abdur-Rahman	Muhsin	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Aitoro	David	Voltus	None
Akinkuolie	Hassan	Appalachian Power Company (AEP Generation)	Transmission Owner
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Amthor	Jonathan	Electranet REP I, LLC	Other Supplier
Anderson	Juliet	Tenaska Power Services Co.	Generation Owner
Barker	Jason	Vitol Inc.	Generation Owner
Barmack	Matt	Calpine Energy Services, L.P.	Generation Owner
Belenky	Maria	PJM Interconnection	None
Benchek	Jim	American Transmission Systems, Inc	Transmission Owner
Bernabeu	Emanuel	PJM Interconnection	None
Berthiaume	Scott	ConEdison Energy, Inc.	Other Supplier
Bischof	Zander	MN8 Energy LLC	None
Bloodworth	Michelle	Americas Power	None
Bresler	Stu	PJM Interconnection	None
Brooks	Dick	Reliable Energy Analaytics (REA)	None
Bruno	Joshua	PJM Interconnection	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canchi	Devendra	Monitoring Analytics	None
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Carmean	Greg	Organization of PJM States, Inc.	None
Carrier	Ron	Big Lake Consulting Group, LLC	None
Carroll	Rebecca	PJM Interconnection	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chintapalli	Raj	BP Energy	Other Supplier





Christopher         Mahila         Public Utilities Commission of Ohio         None           Coccoo         Michael         Old Dominion Electric Cooperative         Electric Distributor           Concina         Wendell         Commonwealth Edison Company         Transmission Owner           Connell         Jason         PJM Interconnection         None           Corpaland         Kyle         PJM Interconnection         None           Corash         Richard         PSEG Energy Resources and Trade LLC         Other Supplier           Cox         Jason         EQ Energy Advisors, LLC         None           Croop         Danielle         PJM Interconnection         None           D Montalvo         Marc         Daymark Energy Advisors         None           D Montalvo         Marc         Daymark Energy Advisors         None           DAvis         David         Daymark Energy Advisors         None           Davis         David         Apex Clean Energy Holdings, LLC         None           Davis         David         Apex Clean Energy Holdings, LLC         None           Dersheide         Andrew         Interstate Gas Supply, LLC         Other Supplier           Domian         Christin         Duquesne Light Company         Transmissi	Chmielewski	Brian	PJM Interconnection	None
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Connell         Jason         PJM Interconnection, LLC         None           Copaland         Kyle         PJM Interconnection         None           Corash         Richard         PSEG Energy Resources and Trade LLC         Other Supplier           Cox         Jason         EQ Energy Resources and Trade LLC         None           Croop         Danielle         PJM Interconnection         None           Crystle         Gil         UGI Energy Services         None           D Montalvo         Marc         Daymark Energy Advisors         None           D'Antonio         Phil         PJM Interconnection         None           Davis         Steve         Indiana Utility Regulatory Commission         None           Davis         David         Apex Clean Energy Holdings, LLC         None           Davis         Jim         Apex Clean Energy Holdings, LLC         None           Davis         Jim         Apex Clean Energy Holdings, LLC         Other Supplier           Dowian         Jim         Apex Clean Energy Holdings, LLC         Other Supplier           Dowian         Andrew         Interstate Gas Supply, LLC         Other Supplier           Domian         Christin         Duquescal Energy Hompany         Transmission Owner <td>Coccco</td> <td>Michael</td> <td>Old Dominion Electric Cooperative</td> <td>Electric Distributor</td>	Coccco	Michael	Old Dominion Electric Cooperative	Electric Distributor
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DavisDavidApex Clean Energy Holdings, LLCNoneDavisJimApex Clean Energy Holdings, LLCNoneDiersheideAndrewInterstate Gas Supply, LLCOther SupplierDomianChristinDuquesne Light CompanyTransmission OwnerDonohueErinEnel Trading North America, LLCOther SupplierDouglassRobertConstellation Energy Generation, LLCGeneration OwnerDromRickRick DromNoneDuganChuckEast Kentucky Power Cooperative, Inc.Transmission OwnerEdmondsBrianDC Public Service CommissionNoneEsquivelManuelEnel X North America, IncGeneration OwnerEverngamScottBlue Horseshoe Energy LLCNoneFalinTomPJM InterconnectionNoneFeeGeorgeAppalachian Power Company (AEP Generation)Transmission OwnerFinkSariPine Gate Mid-Atlantic, LLCOther SupplierFishbackLukeAffirmed Energy LLC (WMP)Other SupplierFitchNealNRG Power Marketing LLCGeneration OwnerFiztpatrickBrianPJM InterconnectionNoneFordAdrienOld Dominion Electric CooperativeElectric DistributorFordAdrienOld Dominion Electric Cooperative, Inc.Transmission OwnerFranksEdmundPJM InterconnectionNoneFullerPeteAutumn Lane EnergyNoneFullerPeteAutumn Lane Energy <td< td=""><td>D'Antonio</td><td>Phil</td><td>PJM Interconnection</td><td>None</td></td<>	D'Antonio	Phil	PJM Interconnection	None
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Fitch Neal NRG Power Marketing LLC Generation Owner Fitzpatrick Brian PJM Interconnection None Foladare Kenneth Geenex Solar LLC Other Supplier Ford Adrien Old Dominion Electric Cooperative Electric Distributor Foster Cronin Denise East Kentucky Power Cooperative, Inc. Transmission Owner Franks Edmund PJM Interconnection None Fuller Pete Autumn Lane Energy None Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None	Fink	Sari	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fitzpatrick Brian PJM Interconnection None Foladare Kenneth Geenex Solar LLC Other Supplier Ford Adrien Old Dominion Electric Cooperative Electric Distributor Foster Cronin Denise East Kentucky Power Cooperative, Inc. Transmission Owner Franks Edmund PJM Interconnection None Fuller Pete Autumn Lane Energy None Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC	Fishback	Luke	Affirmed Energy LLC (WMP)	Other Supplier
Foladare Kenneth Geenex Solar LLC  Ford Adrien Old Dominion Electric Cooperative Electric Distributor  Foster Cronin Denise East Kentucky Power Cooperative, Inc. Transmission Owner  Franks Edmund PJM Interconnection None  Fuller Pete Autumn Lane Energy None  Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner  Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner  Gilani Rehan ConEdison Energy, Inc. Other Supplier  Glazer Craig PJM Interconnection, LLC None  Glazer Grant MN8 Energy LLC	Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Ford Adrien Old Dominion Electric Cooperative Electric Distributor Foster Cronin Denise East Kentucky Power Cooperative, Inc. Transmission Owner Franks Edmund PJM Interconnection None Fuller Pete Autumn Lane Energy None Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC	Fitzpatrick	Brian	PJM Interconnection	None
Foster Cronin Denise East Kentucky Power Cooperative, Inc. Transmission Owner Franks Edmund PJM Interconnection None Fuller Pete Autumn Lane Energy None Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC	Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Franks Edmund PJM Interconnection None Fuller Pete Autumn Lane Energy None Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC None	Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
FullerPeteAutumn Lane EnergyNoneFultzMcClainPPL Electric Utilities Corp. dba PPL Utilities (LSE)Transmission OwnerGatesTerryAppalachian Power Company (AEP Generation)Transmission OwnerGilaniRehanConEdison Energy, Inc.Other SupplierGlazerCraigPJM Interconnection, LLCNoneGlazerGrantMN8 Energy LLCNone	Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fultz McClain PPL Electric Utilities Corp. dba PPL Utilities (LSE) Transmission Owner Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC None	Franks	Edmund	PJM Interconnection	None
Gates Terry Appalachian Power Company (AEP Generation) Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC None	Fuller	Pete	Autumn Lane Energy	None
Gilani Rehan ConEdison Energy, Inc. Other Supplier Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC None	Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Glazer Craig PJM Interconnection, LLC None Glazer Grant MN8 Energy LLC None	Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Glazer Grant MN8 Energy LLC None	Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
<b>。</b>	Glazer	Craig	PJM Interconnection, LLC	None
Gledhill Andrew PJM Interconnection None	Glazer	Grant	MN8 Energy LLC	None
	Gledhill	Andrew	PJM Interconnection	None





Gorman	Brad	American Transmission Systems, Inc.	Transmission Owner
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Hanawa	Angie	Enernoc	None
Hanser	Erik	Michigan Public Service Commission	None
Harrod	Jennifer	North Carolina Utilities Commission	None
Helms	Joe	Commonwealth Chesapeake Company, LLC	Generation Owner
Hoatson	Thomas	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger	Tim	PJM Interconnection	None
Horning	Lynn	American Municipal Power, Inc.	Electric Distributor
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hyzinski	Tom	GT Power Group, LLC	None
Jardot	Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Kalaskar	Rahul	Dayton Power & Light Company (The)	Transmission Owner
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Keshavamurthy	Bhavana	PJM Interconnection	None
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
LaVista	William	RWE Renewables Americas, LLC	Generation Owner
Leith-Yessian	Devin	RTO Insider	None
Lescano	Amanda	New Jersey Board of Public Utilities	None
Liang-Nicol	Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Lu	Chen	PJM Interconnection	None
Mabry	David	McNees Wallace & Nurick LLC	None
Marzewski	Skyler	PJM Interconnection	None
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Matheson	Eric	SYSO Inc.	Other Supplier
Maucher	Andrea	Delaware Division of the Public Advocate	End-Use Customer
McClelland	Maura	Public Utilities Commission of Ohio	None
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
McManus	Kat	Armada Power	Other Supplier
McNeil	Justin	Kentucky Public Service Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mihaly	Imola	Nautilus Power, LLC	Generation Owner
Mills	David	Eagle Cap Energy	None
Mills	David	Eagle Cape Energy	None
Mooney	Molly	PJM Interconnection	None





Moye	Bob	Commonwealth Chesapeake Company, LLC	Generation Owner
Nix	Emma	Leeward Asset Management, LLC	Generation Owner
ODonnell	Colleen	Public Utilities Commission of Ohio	None
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Oxenham	lan	New Jersey Board of Public Utilities	None
patel	keyur	PJM Interconnection	None
Phenix	Michael	Red Oak Power, LLC	Generation Owner
Pierpont	Dan	Riverside Generating Company, L.L.C.	Generation Owner
Pol	Karan	Daymark Energy Advisors	None
Poulos	Greg	CAPS	None
Quevada	Jason	PJM Interconnection	None
Rainey	John	NOVEC	None
Reagan	Ryann	New Jersey Board of Public Utilities	None
Roberts	Casey	Sierra Club	None
Rode	Advait	Michigan Public Service Commission	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scheidecker	Paul	Monitoring Analytics LLC	None
Scheirer	Alexandra	PJM Interconnection	None
Schreim	Morris	Maryland Public Service Commission	None
Schuyler	Ken	PJM Interconnection	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shanker	Roy	East Coast Power Linden Holding, L.L.C.	Generation Owner
Sloan	Ben	Organization of PJM States, Inc.	None
Sotkiewicz	Paul	E-Cubed Policy Associates Louisville Gas and Electric Company/Kentucky Utilities	None
Sprinkle	Dan	Company	Transmission Owner
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stefanowicz	Vince	PJM Interconnection	None
Stern	Alex	Public Service Electric and Gas Company	Transmission Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sussler	Philip	Office of People's counsel	End-Use Customer
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	Power Prose, Inc.	None
Swigonski	Frank	Pine Gate Mid-Atlantic, LLC	Generation Owner
Tesfa	Nebiat	PJM Interconnection	None
Theodore	Sharon	EPSA	None
Tony Salman	Tony	Duke Energy Business Services LLC	Transmission Owner
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy	Generation Owner





Walcavich	Colin	Green River Holdings, LLC	Generation Owner
Watson	Brian	Appalachian Power Company (AEP Generation)	Transmission Owner
Whitehead	Jeff	GT Power Group	None
Wilson	James	Wilson Economics	None
Wright	James	Old Dominion Electric Cooperative	Electric Distributor
Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
Yeh	Cynthia	Virginia Electric & Power Company	Transmission Owner
Youth	Michael	North Carolina Electric Membership Corporation	Electric Distributor
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Zhang	Michael	PJM Interconnection	None

Future Meeting Dates and Materials			Materials Due	Materials
Date	Time	Location	to Secretary	Published
May 30, 2023	9:00 am – 4:00 pm	PJM Conference & Training Center / WebEx	May 19, 2023	May 25, 2023
June 14, 2023	9:00 am – 4:00 pm	PJM Conference & Training Center / WebEx	June 5, 2023	June 9, 2023

Author: J. Lukach

#### 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.

### On the Phone, Dial



to Mute/Unmute

### Linking Teleconference Connection to Webex

When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.





Provide feedback on the progress of this group: <u>Facilitator Feedback Form</u>
Visit <u>learn.pjm.com</u>, an easy-to-understand resource about the power industry and PJM's role.

### Join a Meeting

- 1. Join meeting in the Webex desktop client
- 2. Enter name (First and Last\*) and corporate email
- 3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.