

Resource Adequacy Senior Task Force PJM Conference & Training Center / WebEx October 11, 2022 9:00 a.m. – 4:00 p.m. EPT

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

1. Dave Anders, facilitator, and Alex Scheirer, secretary, welcomed participants, made announcements, and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.

#### The task force approved the Draft Minutes for the RASTF meeting on September 22, 2022.

Dave Anders provided a brief update on activities of Clean Attribute Procurement Senior Task Force, Load Analysis Subcommittee and Quadrennial Review.

Updates for analysis that was presented at the September 22, 2022 RASTF were posted with the RASTF meeting material.

### Education and CBIR (9:20-3:30)

- 2. Stakeholders presented perspectives on high-level design concepts on several key work activities
  - A. Grant Glazer, RMI
  - B. Steve Lieberman, AMP
  - C. Zander Bischof, MN8 Energy
  - E. Tom Hoatson, LS Power
  - D. Roy Shanker
- Matrix Development Solution Options The Senior Task Force had the opportunity to provide solution options for key work activities, however discussion was deferred to future meetings due to time constraints
  - A. Reliability Risks and Drivers (Key Work Activity 2)
  - B. Procurement Level and Metric (Key Work Activity 3)
  - C. Performance Assessment (Key Work Activity 4)
  - D. Qualification and Accreditation (Key Work Activity 5)
  - E. Obligations of Capacity Resources (Key Work Activity 6)



# Next Steps (3:30:3:45)

4. Dave Anders discussed next steps.

## Future Agenda Items (0:00)

Additional education on locational/transmission aspects of the capacity market, e.g. LDAs, CETO, and CETL.

| Future Meeting   | <b>Dates and Materials</b> | Materials Due to Secretary               | Materials         |                   |
|------------------|----------------------------|--|-------------------|-------------------|
| Date             | Time                       | Location                                 | to Secretary      | Published         |
| October 31, 2022 | 9:00 a.m. – 4:00 p.m.      | PJM Conference & Training Center / WebEx | October 21, 2022  | October 26, 2022  |
| Nov. 10, 2022    | 9:00 a.m. – 4:00 p.m.      | PJM Conference & Training Center / WebEx | November 2, 2022  | November 7, 2022  |
| Nov. 30, 2022    | 9:00 a.m. – 4:00 p.m.      | PJM Conference & Training Center / WebEx | November 18, 2022 | November 23, 2022 |
| Dec. 22, 2022    | 9:00 a.m. – 4:00 p.m.      | PJM Conference & Training Center / WebEx | December 14, 2022 | December 19, 2022 |

Author: A. Scheirer

### **In-Person Attendees**

### Names

| Names                      | Company Name                     | Sector               |
|----------------------------|----------------------------------|----------------------|
| Anders, Dave (Facilitator) | PJM Interconnection              | Not Applicable       |
| Scheirer, Alex (Secretary) | PJM Interconnection              | Not Applicable       |
| Brodbeck, John             | EDP Renewables North America LLC | Generation Owner     |
| Bruno, Pat                 | PJM Interconnection              | Not Applicable       |
| Carroll, Rebecca           | PJM Interconnection              | Not Applicable       |
| Foladare, Kenneth          | Geenex Solar LLC                 | Generation Owner     |
| Graf, Walter               | PJM Interconnection              | Not Applicable       |
| Horning, Lynn              | American Municipal Power, Inc.   | Electric Distributor |
| Keech, Adam                | PJM Interconnection              | Not Applicable       |
| Kogut, George              | New York Power Authority         | Other Supplier       |
| Lieberman, Steve           | American Municipal Power, Inc.   | Electric Distributor |
| Scarpignato, David         | Calpine Energy Services, L.P.    | Generation Owner     |
| Tribulski, Jen             | PJM Interconnection              | Not Applicable       |
|                            |                                  |                      |

## WebEx Attendees

#### Names

Afelumo, Foluso Baker, Laura Barker, Jason Barmack, Matt Bastian, Jeff

# **Company Name** PJM Interconnection Stone, Mattheis, Xenopoulos & Brew, PC Constellation Energy Generation, LLC Calpine Energy Services, L.P. **PJM Interconnection**

#### Sector

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Not Applicable Not Applicable **Generation Owner Generation Owner** Not Applicable



# **Draft Minutes**

Benchek, Jim Bernabeu, Emanuel Bill, Jett, Bischof, Zander Borgatti, Mike Bowring, Joe Boyle, Glen Bradley, Gregg Bresler, Stu Bruno, Joshua Burnham, Kat Callen, Zachary Campbell, Bruce Canter, David Carmean, Gregory Carrier, Ron Christopher, Mahila Clifford, Brigid Corash, Richard Cortez, Sarai Croop, Danielle Curtis, Kenneth D'Antonio, Phil Davis, David Davis, Elizabeth Dorko, Keri Dorner, Amber Drom, Rick Edmonds, Brian Esquivel, Manuel Falin, Tom Fan, Zhenyu Fee, George Filomena, Guy Fink, Regan Fishback, Luke Ford, Adrien Foster Cronin, Denise Fuess, Christian Fuller, Pete

FirstEnergy Corporation **PJM Interconnection** Duke Energy Business Services LLC MN8 Energy LLC Gabel and Associates Monitoring Analytics, LLC **PJM Interconnection** EDF Trading North America, LLC **PJM Interconnection PJM Interconnection** Advanced Energy Economy Illinois Commerce Commission Campbell EA Appalachian Power Company Organization of PJM States, Inc. Big Lake Consulting Group, LLC Public Utilities Commission of Ohio Pine Gate Renewables PSEG Energy Resources & Trade LLC TrailStone Energy Marketing, LLC **PJM Interconnection** Drilling Info, Inc. **PJM Interconnection** Apex Clean Energy PJM Interconnection Monitoring Analytics Rockland Electric Company Other Public Service Commission of the District of Columbia Enel X North America, Inc. **PJM Interconnection PJM Interconnection** Appalachian Power Company Customized Energy Solutions, Ltd. **Pine Gate Renewables** Affirmed Energy LLC Old Dominion Electric Cooperative East Kentucky Power Cooperative, Inc. PBF Power Marketing, LLC Autumn Lane Energy Consulting LLC

Transmission Owner Not Applicable Transmission Owner Not Applicable Not Applicable Not Applicable Not Applicable Other Supplier Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Not Applicable Not Applicable Not Applicable Not Applicable Other Supplier Other Supplier Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Not Applicable Not Applicable Other Supplier Not Applicable Not Applicable Transmission Owner Not Applicable Not Applicable Other Supplier Electric Distributor Transmission Owner Generation Owner Not Applicable



# **Draft Minutes**

Gates, Jill Gilani, Rehan Glazer, Grant Gordon, Jon Gorman, Brad Graf, Christoph Greene, Benjamin Guntle, Vince Halland, Jessica Hanser, Erik Hartung, Shanna Hastings, David Hauske, David Hauske, Tom Herel, Suzanne Hoatson, Thomas Hohenshilt, Jennifer Horger, Tim Horstmann, John Hudis, Gabriella Hull, Gerit Hyzinski, Tom ller, Art Jacobs, Mike Jardot, Gina Johnson, Carl Johnston, Dave Jones, Peter Jones, Scott Kalaskar, Rahul Kelly, Stephen Kenney, Susan Keshavamurthy, Bhavana Kilgallen, Kevin Lawton, Nick Leith-Yessian, Devin Levitt, Andrew Libbos, Robin Lu, Chen Mabry, David

**PJM Interconnection** Consolidated Edison Energy, Inc. RMI Advanced Energy Economy Allegheny Power New York University AEP Appalachian Transmission Company, Inc. American PowerNet Management Grid Beyond Michigan Public Service Commission PJM Interconnection DHAST Co. **PJM Interconnection PJM Interconnection** PJM Interconnection West Deptford Energy, LLC Talen Energy Marketing, LLC PJM Interconnection Dayton Power & Light Company (The) Gabel & Associates American Municipal Power, Inc. GT Power Group, LLC Indiana Office of Utility Consumer Counsel Union of Concerned Scientists NRG Curtailment Solutions, Inc. Customized Energy Solutions, Ltd. Indiana Utility Regulatory Commission Savion, LLC Indiana Office of Utility Consumer Counselor AES Laurel Mountain, LLC Brookfield Renewable Trading and Marketing LP **PJM Interconnection PJM Interconnection** Avangrid Renewables, LLC Earthjustice **RTO** Insider PJM Interconnection FirstEnergy Corporation **PJM Interconnection** McNees Wallace & Nurick LLC

Not Applicable Other Supplier Not Applicable Not Applicable Transmission Owner Not Applicable Transmission Owner End-Use Customer Not Applicable Generation Owner Generation Owner Not Applicable Transmission Owner Not Applicable **Electric Distributor** Not Applicable End-Use Customer Not Applicable Other Supplier Not Applicable Not Applicable Not Applicable End-Use Customer Generation Owner Other Supplier Not Applicable Not Applicable Generation Owner Not Applicable Not Applicable Not Applicable Transmission Owner Not Applicable Not Applicable



# **Draft Minutes**

Mason, Gary Matheson, Eric Mauch, Brandon McDaniel, John McDewell, Christian McGlynn, Paul McNeil, Justin Midgley, Sharon Miller, John Mooney, Jeff Mooy, Dan Nader, Jordan Okenfuss, James Ondayko, Brock Patel, Keyur Peacey, Denelle Peoples, John Poulos, Greg Price, Ruth Ann Procuniar, Jason Roberts, Casey Rocha Garrido, Patricio Rohrbach, John Rutledge, Craig Sasser, Jonathan Schuyler, Ken Shanker, Roy Siegner, Katie Sloan, Ben Sotkiewicz, Paul Sturgeon, John Sussler, Philip Swalwell, Brad Sweeney, Rory Teplin, Chaz Tesfa, Nebiat Theodore, Sharon Walcavich, Colin Watson, Brian Wayner, Claire

Monongahela Power Company d/b/a Allegheny Power Other Ascend Analytics Baltimore Gas and Electric Company Pennsylvania Public Utility Commission **PJM Interconnection** Office of the Attorney General, Kentucky Exelon Business Services Company, LLC Calico Energy Pennsylvania Electric Company Energy Exemplar North Caroline Utilities Commission Savion, LLC AEP Energy Partners, Inc. PJM Interconnection TransAlta Energy Marketing (U.S.) Inc. **Duquesne Light Company** Organization of PJM States, Inc. Delaware Division of the Public Advocate Dayton Power & Light Company (The) Sierra Club **PJM Interconnection** Wabash Valley Power Association, Inc. Appalachian Power Company Customized Energy Solutions, Ltd. **PJM Interconnection** H.Q. Energy Services (U.S.), Inc. RMI Organization of PJM States, Inc. E-Cubed Policy Associates Duke Energy Carolinas, LLC Maryland Office of People's Counsel Tangent Energy Solutions, Inc. GT Power Group, LLC RMI PJM Interconnection Electric Power Supply Association Green River Holdings, LLC Appalachian Power Company RMI

Transmission Owner Not Applicable Not Applicable Transmission Owner Not Applicable Not Applicable Not Applicable Transmission Owner Not Applicable Electric Distributor Not Applicable Not Applicable Not Applicable Transmission Owner Not Applicable Other Supplier Transmission Owner Not Applicable End-Use Customer Not Applicable Not Applicable Not Applicable Electric Distributor Transmission Owner Not Applicable Not Applicable Other Supplier Not Applicable Not Applicable Not Applicable Other Supplier End-Use Customer Other Supplier Not Applicable Not Applicable Not Applicable Not Applicable Generation Owner Transmission Owner Not Applicable





Wehnes, Kathleen Wehr, Christopher Whitehead, Jeff Wilson, James Yasutake, Sarah Yovanovich, Laura Maryland Department of the Environment Ohio Edison Company GT Power Group Wilson Energy Economics Gable and Associates PPL Electric Utilities Corp. dba PPL Utilities Not Applicable Electric Distributor Not Applicable Not Applicable Not Applicable Transmission Owner

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