

Resource Adequacy Senior Task Force
PJM Conference & Training Center / WebEx
August 31, 2022
9:00 a.m. – 4:00 p.m. EPT

Administration (9:00-9:10)

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 August 8 2022.

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

Education and CBIR (9:10-3:50)

2. Dave Anders reviewed the data analysis request tracking document for the RASTF.
3. Dave Anders discussed the RASTF work plan.
4. Pat Bruno, Walter Graf, and Andrew Levitt, PJM, presented perspectives on high-level design concepts on several key work activities for stakeholder discussion.
5. Matrix Development – due to timing constraints, matrix development work was deferred to future meetings of the RASTF.
 - 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)

(Lunch break 11:45-12:30)

Next Steps (3:50-3:55)

6. Dave Anders discussed next steps

Future Agenda Items (0:00)

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

| Future Meeting Dates and Materials | | | Materials Due to Secretary | Materials Published |
|------------------------------------|------|----------|---|---------------------|
| Date | Time | Location |  | |
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|------------------|-----------------------|--|-------------------|-------------------|
| Sept. 22, 2022 | 9:00 a.m. – 3:00 p.m. | PJM Conference & Training Center / WebEx | Sept. 14, 2022 | Sept. 19, 2022 |
| October 11, 2022 | 9:00 a.m. – 4:00 p.m. | PJM Conference & Training Center / WebEx | October 3, 2022 | October 6, 2022 |
| 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 |

In-Person Attendees

| Names | Company Name | Sector |
|----------------------------|--------------------------------|----------------------|
| Anders, Dave (Facilitator) | PJM Interconnection | Not Applicable |
| Scheirer, Alex (Secretary) | PJM Interconnection | Not Applicable |
| Bresler, Stu | PJM Interconnection | Not Applicable |
| Bruno, Pat | PJM Interconnection | Not Applicable |
| Bryson, Mike | PJM Interconnection | Not Applicable |
| Burdis, Tim | PJM Interconnection | Not Applicable |
| Carroll, Rebecca | PJM Interconnection | Not Applicable |
| Foladare, Kenneth | Geenex Solar LLC | Generation Owner |
| Graf, Walter | PJM Interconnection | Not Applicable |
| Helm, Gary | PJM Interconnection | Not Applicable |
| Horning, Lynn | American Municipal Power, Inc. | Electric Distributor |
| Keech, Adam | PJM Interconnection | Not Applicable |
| Scarpignato, David | Calpine Energy Services, L.P. | Generation Owner |
| Swalwell, Brad | Tangent Energy Solutions, Inc. | Other Supplier |

WebEx Attendees

| Names | Company Name | Sector |
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| Afelumo, Foluso | PJM Interconnection | Not Applicable |
| Anderson, Jared | S&P Global Inc. | Not Applicable |
| Baker, Laura | Stone, Mattheis, Xenopoulos & Brew, PC | Not Applicable |
| Barker, Jason | Constellation Energy Generation, LLC | Generation Owner |
| Barmack, Matt | Calpine Energy Services, L.P. | Generation Owner |
| Barrow, Kim | Commonwealth of PA | Not Applicable |
| Bastian, Jeff | PJM Interconnection | Not Applicable |
| Benchek, Jim | FirstEnergy Corporation | Transmission Owner |
| Bill, Jett, | Duke Energy Business Services LLC | Transmission Owner |
| Bischof, Zander | MN8 Energy LLC | Not Applicable |
| Borgatti, Mike | Gabel and Associates | Not Applicable |
| Bradley, Gregg | EDF Trading North America, LLC | Other Supplier |

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| Breidenbaugh, Aaron | Rodan Energy Solutions (USA) Inc. | Other Supplier |
| Brodbeck, John | EDP Renewables North America LLC | Generation Owner |
| Bruce, Susan | McNees Wallace & Nurick LLC | Not Applicable |
| Bruno, Joshua | PJM Interconnection | Not Applicable |
| Burnham, Kat | Advanced Energy Economy | Not Applicable |
| Cairns, Holly | PJM Interconnection | Not Applicable |
| Callaghan, Christopher | PJM Interconnection | Not Applicable |
| Callen, Zachary | Illinois Commerce Commission | Not Applicable |
| Campbell, Bruce | Campbell EA | Not Applicable |
| Canter, David | Appalachian Power Company | Transmission Owner |
| Carmean, Gregory | Organization of PJM States, Inc. | Not Applicable |
| Carrier, Ron | Big Lake Consulting Group, LLC | Not Applicable |
| Carson, Donna | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Cham, Edrissa | Savion, LLC | Not Applicable |
| Chang, Sean | Shell Energy North America (US), L.P. | Other Supplier |
| Chintapalli, Raj | BP Energy Company | Other Supplier |
| Christopher, Mahila | Public Utilities Commission of Ohio | Not Applicable |
| Clifford, Brigid | Pine Gate Renewables | Not Applicable |
| Colaresi, Chandra | Enerwise Global Technologies, LLC | Other Supplier |
| Corash, Rich | PSEG Energy Resources & Trade LLC | Other Supplier |
| Croop, Danielle | PJM Interconnection | Not Applicable |
| D'Antonio, Phil | PJM Interconnection | Not Applicable |
| Davis, James | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Dorner, Amber | Rockland Electric Company | Transmission Owner |
| Downs, Jere | PJM Interconnection | Not Applicable |
| Drom, Rick | Other | Not Applicable |
| Edmonds, Brian | Public Service Commission of the District of Columbia | Not Applicable |
| Elkins, Rachel | American Transmission Systems, Inc. | Transmission Owner |
| Ericson, Christine | Illinois Commerce Commission | Not Applicable |
| Esquivel, Manuel | Enel X North America, Inc. | Other Supplier |
| Falin, Tom | PJM Interconnection | Not Applicable |
| Fan, Zhenyu | PJM Interconnection | Not Applicable |
| Fee, George | Appalachian Power Company | Transmission Owner |
| Filomena, Guy | Customized Energy Solutions, Ltd. | Not Applicable |
| Fink, Regan | Pine Gate Renewables | Not Applicable |
| Fishback, Luke | Affirmed Energy LLC | Other Supplier |
| Fitch-Fleischmann, Ben | Ascend Analytics | Not Applicable |
| Fuess, Christian | PBF Power Marketing, LLC | Generation Owner |
| Gates, Jill | PJM Interconnection | Not Applicable |
| Gilani, Rehan | Consolidated Edison Energy, Inc. | Other Supplier |

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| Glatz, Suzanne | PJM Interconnection | Not Applicable |
| Glazer, Grant | RMI | Not Applicable |
| Gordon, Jon | Advanced Energy Economy | Not Applicable |
| Gorman, Brad | Allegheny Power | Transmission Owner |
| Greene, Benjamin | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Guntle, Vince | American PowerNet Management | End-Use Customer |
| Hanser, Erik | Michigan Public Service Commission | Not Applicable |
| Hartung, Shanna | PJM Interconnection | Not Applicable |
| Hastings, David | DHAST Co. | Not Applicable |
| Heidorn, Rich | RTO Insider | Not Applicable |
| Heinle, Erik | Office of the People's Counsel for the District of Columbia | End-Use Customer |
| Heisey, Brad | Tenaska Pennsylvania Partners, LLC | Generation Owner |
| Hepplewhite, Peter | Wrigley Capital LLC | Other Supplier |
| Hoatson, Thomas | West Deptford Energy, LLC | Generation Owner |
| Horger, Tim | PJM Interconnection | Not Applicable |
| Hudis, Gabriella | Gabel & Associates | Not Applicable |
| Hull, Gerit | American Municipal Power, Inc. | Electric Distributor |
| Hyzinski, Tom | GT Power Group, LLC | Not Applicable |
| Jacobs, Mike | Union of Concerned Scientists | Not Applicable |
| Jardot, Gina | NRG Curtailment Solutions, Inc. | Other Supplier |
| Johnson, Carl | Customized Energy Solutions, Ltd. | Not Applicable |
| Johnston, Dave | Indiana Utility Regulatory Commission | Not Applicable |
| Kelly, Stephen | Brookfield Renewable Trading and Marketing LP | Other Supplier |
| Kerecman, Joseph | Calpine Energy Services, L.P. | Generation Owner |
| Kilgallen, Kevin | Avangrid Renewables, LLC | Generation Owner |
| Ladin, Sarah | New York University | Not Applicable |
| LaRocque, Matt | PJM Interconnection | Not Applicable |
| Lawton, Nick | EarthJustice | Not Applicable |
| Leith-Yessian, Devin | RTO Insider | Not Applicable |
| Levitt, Andrew | PJM Interconnection | Not Applicable |
| Liang-Nicol, Cecilia | Allegheny Power | Transmission Owner |
| Libbos, Robin | FirstEnergy Corporation | Transmission Owner |
| Lieberman, Steven | American Municipal Power, Inc. | Electric Distributor |
| Lu, Chen | PJM Interconnection | Not Applicable |
| Lyakhovich, Leonid | Public Service Electric and Gas Company | Transmission Owner |
| Mabry, David | McNees Wallace & Nurick LLC | Not Applicable |
| Mariam, Yohannes | Office of the People's Counsel for the District of Columbia | End-Use Customer |
| Marzewski, Skyler | PJM Interconnection | Not Applicable |
| Mason, Gary | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Matheson, Eric | Other | Not Applicable |

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| McDaniel, John | Baltimore Gas and Electric Company | Transmission Owner |
| McDewell, Christian | Pennsylvania Public Utility Commission | Not Applicable |
| McNeil, Justin | Office of the Attorney General, Kentucky | Not Applicable |
| Midgley, Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Mooney, Jeff | Pennsylvania Electric Company | Electric Distributor |
| Mooy, Dan | Energy Exemplar | Not Applicable |
| Murphy, Shaun | Urban Grid Solar Projects, LLC | Other Supplier |
| Murray, Kevin | McNees Wallace & Nurick LLC | Not Applicable |
| Nix, Emma | Leeward Asset Management, LLC | Generation Owner |
| Okenfuss, James | Savion, LLC | Not Applicable |
| Ondayko, Brock | AEP Energy Partners, Inc. | Transmission Owner |
| Pakela, Gregory | DTE Energy Trading, Inc. | Not Applicable |
| Patel, Keyur | PJM Interconnection | Not Applicable |
| Peacey, Denelle | TransAlta Energy Marketing (U.S.) Inc. | Other Supplier |
| Pilong, Christopher | PJM Interconnection | Not Applicable |
| Pollard, Albert | Other | Not Applicable |
| Poulos, Greg | Organization of PJM States, Inc. | Not Applicable |
| Proconiar, Jason | Dayton Power & Light Company (The) | Not Applicable |
| Pungaliya, Rajat | Pine Gate Mid-Atlantic, LLC | Other Supplier |
| Quevada, Jason | PJM Interconnection | Not Applicable |
| Reagan, Ryann | New Jersey Board of Public Utilities | Not Applicable |
| Rocha Garrido, Patricio | PJM Interconnection | Not Applicable |
| Rohrbach, John | Wabash Valley Power Association, Inc. | Electric Distributor |
| Rutigliano, Tom | Natural Resources Defense Council | Not Applicable |
| Rutledge, Craig | Appalachian Power Company | Transmission Owner |
| Sasser, Jonathan | Customized Energy Solutions, Ltd. | Not Applicable |
| Schisler, Ken | Enerwise Global Technologies, LLC | Other Supplier |
| Schmitt, David | New Jersey Board of Public Utilities | Not Applicable |
| Schuyler, Ken | PJM Interconnection | Not Applicable |
| Schwartz, Aaron | RMI | Not Applicable |
| Shanker, Roy | H.Q. Energy Services (U.S.), Inc. | Other Supplier |
| Sloan, Ben | Organization of PJM States, Inc. | Not Applicable |
| Sotkiewicz, Paul | E-Cubed Policy Associates | Not Applicable |
| Stern, Alex | Public Service Electric & Gas Company | Transmission Owner |
| Sturgeon, John | Duke Energy Carolinas, LLC | Other Supplier |
| Suh, Jung | Calpine Energy Solutions, L.P. | Generation Owner |
| Sussler, Philip | Maryland Office of People's Counsel | End-Use Customer |
| Svenson, Heather | PSEG Energy Resources & Trade LLC | Other Supplier |
| Theodore, Sharon | Electric Power Supply Association | Not Applicable |
| Tribulski, Jennifer | PJM Interconnection | Not Applicable |



Draft Minutes

Walcavich, Colin
Walker, Elizabeth
Watson, Brian
Wehnes, Kathleen
Whitehead, Jeff
Widom, Stuart
Wilson, James
Wynn, Laura

Green River Holdings, LLC
Indiana Utility Regulatory Commission
Appalachian Power Company
Maryland Department of the Environment
GT Power Group
PJM Interconnection
Wilson Energy Economics
Stone, Mattheis, Xenopoulos & Brew, PC

Generation Owner
Not Applicable
Transmission Owner
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable

Author: A. Scheirer

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