

Capacity Capability Senior Task Force

WebEx

July 10, 2020

9:00 a.m. – 4:00 p.m. EPT

Administration (9:00-9:30)

1. Jaclynn Lukach, PJM, provided welcome, announcements, and review of the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines. **Stakeholders approved the draft minutes from the June 22, 2020 meeting with no objections and no abstentions.**

Melissa Pilog, PJM, also announced the change in the July 16 workshop to a standard task force meeting to allow for CBIR to be addressed.

2. Melissa Pilog, PJM, reviewed the remaining work plan items. The meeting that was scheduled for July 28, 2020 was moved to July 27, 2020 due to a conflict with the Liaison Meeting.

Melissa Pilog, PJM, reviewed the CCSTF Issue Charge and the interpretation that CIRs are out of scope for this task force. Tom Falin stated that CIRs will be brought up at the Planning Committee later this year. No concerns or objections voiced from stakeholders on the interpretation of CIRs being out of scope for the CCSTF.

EDUCATION (9:30 – 1:30)

3. Tom Falin, PJM, presented PJM's initial summary on the extent to which the solution for each design component might be detailed in the manuals vs. the Tariff vs. the periodic reports.
4. Patricio Rocha Garrido, PJM, presented preliminary ELCC results.
5. Patricio Rocha Garrido, PJM, presented the preliminary dispatch methodology for limited duration and combination type resources used to develop the preliminary results. Patricio lead a discussion of different approaches to such dispatch. Tom Rutigliano, NRDC, provided a presentation on the capacity value of storage resources.
6. Patricio Rocha Garrido will lead a discussion of the paper describing the preliminary methodology used to develop the preliminary results. **Due to time constraints this item was moved to July 16, 2020.**
7. Patricio Rocha Garrido, PJM, will present an outline of the policy analysis of high deployment of limited resources as described in key work activity #6 of the CCSTF Issue Charge. **Due to time constraints this item was moved to July 16, 2020.**

Break for lunch (12:35 – 1:05)

CBIR (1:30 – 4:10)

8. Andrew Levitt, PJM, to present a brief update to the June 22 presentation on suggested ELCC terminology, usage regarding the terms installed capacity (ICAP), Unforced Capacity (UCAP), and

Capacity Interconnection Rights (CIRs), and excerpts of existing Tariff language and manual language on the topic. **Due to time constraints this item was moved to July 16, 2020.**

9. Melissa Pilong, PJM, reviewed the results of the poll.
10. Melissa Pilong, PJM, lead the group in a discussion on the CBIR process for identifying additional solution options.
11. Melissa Pilong, PJM, lead the group in a discussion on the CBIR process for identifying packages. The IMM brought forward a new proposal during the meeting.

Future Agenda Items (4:10 – 4:15)

12. Ms. Jaclynn Lukach, PJM, will review meeting action items and discuss future agenda items.

ACTION ITEMS

- PJM to provide additional ELCC analysis for solar plus storage and hydro with storage
- PJM to publish a sensitivity analysis around the amount of DR that is dispatched and the length of the DR Event.
- PJM to provide the frequency and duration of the amount of DR that was dispatched
- PJM to discuss and analyze the NRDC Proposal; Sensitivity analysis to be conducted if needed
- PJM to make the data behind the preliminary dispatch methodology for limited duration and combination type resources from 6a available to the Stakeholders
- PJM to discuss internally the suggestion regarding polling around various options (to be developed) for DC3 considerations of a changing ELCC

FUTURE AGENDA ITEMS

- Discuss which design components will have the biggest impact on the ELC model to ensure that those components are part of the technical work that RAAS would review for stakeholder feedback.
- Discuss making the PJM ELCC model available to the stakeholders – after the August 7 meeting.
- Discuss FRRs

WebEx Attendance

Last Name	First Name	Company Name	Sector
Anders	David	PJM Interconnection	None
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Bell	Jerry	PJM Interconnection	None
Bernabeu	Emanuel	PJM Interconnection	None

Bhavaraju	Murty	PJM Interconnection	None
Bockhorn	Tim	Dayton Power & Light Company (The)	Transmission Owner
Borgatti	Michael	Hill Top Energy Center LLC	Generation Owner
Bowring	Joe	Monitoring Analytics	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruno	Patrick	PJM Interconnection	None
Burke	Jennifer	Lockheed Martin	None
Campbell	Bruce	Enerwise Global Technologies, LLC (EnergyConnect)	Other Supplier
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Carden	Kevin	Strape	None
Carmean	Gergory	OPSI	None
Carroll	Rebecca	PJM Interconnection	None
Castle	Tom	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chintapalli	Raj	BP Energy Company	Other Supplier
Ciabottoni	Joe	PJM Interconnection	None
Colbert	Cathleen	NRG Curtailment Solutions, Inc.	Other Supplier
D'Alessandris	Lou	First Energy Solutions Corp	Transmission Owner
Davis	Clay	Savion Energy	None
Davis	James	Dominion Energy Generation Marketing, Inc.	Generation Owner
Dennis	Jeffery	Advanced Energy Economy	None
DePillo	Ray	PSEG Energy Resources and Trade LLC	Other Supplier
Doering	Anthony	Savion Energy	None
Dolan	James	PJM Interconnection	None
Drom	Rick	Other	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Falin	Thomas	PJM Interconnection	None
Fee	George	Appalachian Power Company (AEP Generation)	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Fleisher	Madeline	Dickinson Wright PLLC	None
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Fuller	Peter	Autumn Lane Energy Consulting LLC	None
Gahimer	Michael	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Goggin	Michael	Grid Strategies LLC	None
Goldberger	Nitzan	Borrego	None
Grant	Andrew	Geronimo Energy	None
Graves	Tom	Robinson Power Company, LLC	Other Supplier

Greening	Michele	PJM Interconnection	None
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Hastings	David	PJM Committee Voting Generic Account	None
Hauske	Thomas	PJM Interconnection	None
Heinle	Frederick	Office of the Peoples Counsel	None
Hoatson	Tom	West Deptford Energy, 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
Horton	Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Hsia	Eric	PJM Interconnection	None
Hudis	Gabriella	Gabel & Associates	None
Hyatt	John	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	None
Iler	Arthur	Indiana Office of Utility Consumer Counselor	End-Use Customer
Jacobs	Mike	Union of Concerned Scientists	None
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Indiana Utility Regulatory Commission	None
Joseph	Kelli	Energy Center Dover LLC	Generation Owner
Kalle	Ibrahima	Tibiri Energy Group, LLC	None
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Kozhuharov	Dimitar	State Commissions	None
Krizenoskas	Lisa	PJM Interconnection	None
LAMOND	BONNIE	Highview Power	None
Levitt	Andrew	PJM Interconnection	None
Liang-Nicol	Cecilia	Allegheny Power (MonPwr Gen)	Transmission Owner
Libbos	Robin	Allegheny Power (MonPwr Gen)	Transmission Owner
Liu	Jenny	Jupiter Power	None
Lukach	Jaclynn	PJM Interconnection	None
Mascarenhas	Sandeep	Brookfield Renewable Trading and Marketing LP	Other Supplier
Mason	Ray		None
McDougall	Devin	Earth Justice	None
McGlynn	Paul	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nix	Emma	Gabel Associates	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier

Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pizzutelli	Ashley	Allegheny Power (MonPwr Gen)	Transmission Owner
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Quevada	Jason	PJM Interconnection	None
Rajan ES	Abhijit	Dominion Virginia Power	Transmission Owner
Robinson	Becky	Vistra Energy	None
Rocha-Garrido	Patricio	PJM Interconnection	None
Rodriguez	Tomas	OPSI	None
Rogers	Nathan	Origis Energy	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Rutigliano	Tom	Natural Resources Defense Council	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scheidecker	Paul	PJM Interconnection	None
Schultz	Matthew	Duke Energy Business Services LLC	Transmission Owner
Schuyler	Ken	PJM Interconnection	None
Shah	Vijay	PJM Interconnection	
Shanker	Roy	East Coast Power Linden Holdings, LLC	Generation Owner
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sterling	John	First Solar, Inc.	None
Stern	Adam	AWEA	None
Stewart	Travis	Gabel & Associates	None
Stupar	Rob	Invenergy Energy Management LLC	Generation Owner
Sturgeon	John	Duke Energy Kentucky, Inc.	Transmission Owner
Sunderman	Derek	Savion Energy	None
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group, LLC	None
Thomas	Sharon	Energy Storage	None
van den Hoek	Elise	Modern Energy	None
VanAmburg	Cari	Recurrent Energy LLC	Generation Owner
Vidhi	Rachana	NEE	None
Watson	Betty	Affirmed Energy LLC	Other Supplier
Watson	Brian	Appalachian Power Company (AEP Generation)	Transmission Owner
Wellborn	Laura	Jupiter Power	None
Whitehead	Jeffrey	GT Power Group, LLC	None
Williams	Fernie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wilson	James	Wilson Energy Economics	None
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier



Meeting Minutes

Future Meeting Dates

July 16, 2020	9am – 4pm	Teleconference
July 27, 2020	9am – 4pm	Teleconference
August 7, 2020	9pm – 4pm	Teleconference
August 31, 2020	1pm – 4pm	Teleconference
September 11, 2020	9am – 4pm	Teleconference
September 24, 2020	9am – 4pm	Teleconference
October 14, 2020	9am – 4pm	Teleconference

Author: Jaclynn Lukach

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