

Capacity Capability Senior Task Force

WebEx

June 22, 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 were asked to approve draft minutes from the June 4, 2020 meeting.** The meeting minutes were approved with no objections or abstentions.
2. Melissa Pilong, PJM, discussed the new CCSTF Workshops that are scheduled to take place in between meetings. There will be NO matrix changes during the workshops. The Workshops are meant to be educational.
3. Patricio Rocha Garrido, PJM, discussed the development of preliminary ELCC results. At this time PJM is not prepared to share the actual figures as there are still key pieces missing in the results. Preliminary results will be shared during the July 10 CCSTF meeting.

2 observations that PJM is noticing so far

1. **The ELCC results for ESR are sensitive to the dispatch assumptions specifically DR assumptions.**
2. **The ELCC results for some classes can increase in a sustained manner due to changes in the rest of the resource mix.**

CBIR (9:30 – 3:00)

4. Andrew Levitt, PJM, to presented Tariff language, manual language, and usage regarding the terms installed capacity (ICAP), Unforced Capacity (UCAP), and Capacity Interconnection Rights (CIRs). These are common terms being used within the CCSTF as a shared language.
5. Melissa Pilong, PJM, lead the group in a discussion on the CBIR process for identifying additional solution options.
 - a. Andrew Levitt, PJM, presented potential solution options that PJM has been evaluating and sought stakeholder feedback. It was noted that CIRs are out of scope.

Melissa Pilong, PJM, reviewed draft poll questions and sought stakeholder feedback. Poll results will be provided to the group in aggregate and not produced publicly at the member level. Stakeholders provided suggested changes to the questions being used for the poll.

Break for lunch (12:30 – 1:00)

6. Melissa Pilong, PJM, lead the group in a discussion on the CBIR process for identifying packages.

- a. Andrew Levitt, PJM, presented PJM's initial solution package and will sought stakeholder feedback.
- b. Brock Ondayko, AEP Energy, presented AEP Energy's solution package to the group.

Other (3:00 – 3:40)

The following items were not presented during this meeting due to time constraints. They will be added to the July 10 meeting agenda.

7. Tom Falin, PJM, will present 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. .
8. Patricio Rocha Garrido, PJM, will present an outline of the policy analysis of WebEhigh deployment of limited resources as described in key work activity #6 of the CCSTF Issue Charge.

Future Agenda Items (3:40 – 4:00)

9. Ms. Jaclynn Lukach, PJM, will review meeting action items and discuss future agenda items.
 - a. **Add dispatch and operation of ESR to the July 10 agenda**
 - b. **Updates to the Terminology slide deck**
 - c. **PJM to prove data on distribution of intermittent output around average**
 - d. **Update poll to reflect all feedback received during the meeting with regards to the wording of the questions as well as additional questions provided.**

WebEx Attendance

Last Name	First Name	Company Name	Sector
Abdur-Rahman	Muhsin	ABB	Not Applicable
Ainspan	Malcolm	NRG Curtailment Solutions, Inc.	Other Supplier
Almen	Spencer	Enel X North America, Inc.	Other Supplier
Anders	David	PJM Interconnection	Not Applicable
Baker	Scott	PJM Interconnection	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Baur	Sean	GlidePath Power Operations, LLC	Generation Owner
Bell	Jerry	PJM Interconnection	Not Applicable
Benчек	Jim	First Energy	Transmission Owner
Bevacqua	Anthony	NJ Board of Public Utilities	Not Applicable
Bhavaraju	Murty	PJM Interconnection	Not Applicable
Bialek	Sylwia	New York University	Not Applicable
Bockhorn	Tim	Dayton Power & Light Company (The)	Transmission Owner
Borgatti	Mike	Gabel & Associates	Not Applicable
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruno	Patrick	PJM Interconnection	Not Applicable

Burke	Jennifer	LMCO	Not Applicable
Burwen	Jason	U.S. Energy Storage Association	Not Applicable
Campbell	Bruce	Enerwise Global Technologies, LLC (EnergyConnect)	Other Supplier
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Canter	David	Appalachian Power Company	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Castle	Tom	East Kentucky Power Cooperative, Inc.	Not Applicable
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chocarro Aguirrebengoa	Iker	RWE Renewables Americas, LLC	Generation Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert	Cathleen	NRG Curtailment Solutions, Inc.	Other Supplier
Crystle	Gil	UGI Energy Services, Corp	Other Supplier
D'Alessandris	Lou	First Energy	Transmission Owner
Davis	Jim	Dominion Virginia Power	Transmission Owner
Denby	Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
DePillo	Ray	PSEG Energy Resources and Trade LLC	Other Supplier
DiNicola	Laura	First Energy	Transmission Owner
Dolan	James	PJM Interconnection	Not Applicable
Drom	Rick	Other	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Falin	Thomas	PJM Interconnection	Not Applicable
fan	zhenyu	PJM Interconnection	Not Applicable
Fee	George	Appalachian Power Company	Transmission Owner
Feierabend	Rick	Dominion Virginia Power	Transmission Owner
Ferguson	Mike	Indeck Energy	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fink	Sari	AWEA	Not Applicable
Fleisher	Madeline	Dickinson Wright	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Frank	Arushi Sharma		
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Fuller	Pete	Autumn Lane Energy	Not Applicable
Gahimer	Mike	OUCC	Not Applicable
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Goggin	Michael	Grid Strategies LLC	Not Applicable
Goldberger	Nitzan	Borrego	Not Applicable
Grant	Andrew	Geronimo Energy	Not Applicable
Graves	Thomas	Burns	Not Applicable
Greening	Michele	PJM Interconnection	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier

Hasan	Prusha	Advanced Energy Economy	Not Applicable
Hastings	David	PJM Committee Voting Generic Account	Not Applicable
Heidorn	Rich	RTO Insider	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook	Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Horning	Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Hsia	Eric	PJM Interconnection	Not Applicable
Hudis	Gabriella	Gabel & Associates	Not Applicable
Hyatt	John	Monitoring Analytics	Not Applicable
Hyzinski	Tom	GT Power Group, LLC	Not Applicable
Jacobs	Michael	UCS USA	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston	Dave	Indiana Utility Regulatory Commission	Not Applicable
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
Konowal	Richard	PJM Interconnection	Not Applicable
Langbein	Pete	PJM Interconnection	Not Applicable
Levitt	Andrew	PJM Interconnection	Not Applicable
Liang-Nicol	Cecilia	Allegheny Power (MonPwr Gen)	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
LOWE	CONNIE	Dominion Virginia Power	Transmission Owner
Lukach	Jaclynn	PJM Interconnection	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	None
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Mascarenhas	Sandeep	Brookfield Renewable Trading and Marketing LP	Other Supplier
McDougall	Devin	Earth Justice	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nix	Emma	Gabel & Associates	Not Applicable
Ondayo	Brock	AEP Energy Partners, Inc (AEP Gen Resources)	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Patel	Keyurbhai	PJM Interconnection	Not Applicable
Pilong	Christopher	PJM Interconnection	Not Applicable
Pilong	Melissa	PJM Interconnection	Not Applicable
Pizzutelli	Ashley	Allegheny Power (MonPwr Gen)	Transmission Owner
Poulus	Greg	Consumer Advocates of PJM States, Inc	Not Applicable
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Quevada	Jason	PJM Interconnection	Not Applicable
Robinson	Becky	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner

Rocha-Garrido	Patricio	PJM Interconnection	Not Applicable
Rodriguez	Tomas	OPSI	Not Applicable
Rogers	Nathan	Origis Energy	Not Applicable
Rutigliano	Tom	Natural Resources Defense Council	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.	Not Applicable
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker	Paul	PJM Interconnection	Not Applicable
Schultz	Matthew	Duke Energy Business Services LLC	Transmission Owner
Schuyler	Ken	PJM Interconnection	Not Applicable
Shanker	Roy	GE Power Group	Not Applicable
Sotkiewicz	Paul	E-Cubed Policy Advocates	Not Applicable
Stern	Alex	PSEG Energy Resources and Trade LLC	Other Supplier
Stupar	Rob	Invenergy Energy Management LLC	Generation Owner
Sturgeon	John	Duke Energy	Not Applicable
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group, LLC	Not Applicable
van den Hoek	Elise	Affirmed Energy LLC	Other Supplier
VanAmburg	Cari	Recurrent Energy	Not Applicable
Watson	Brian	Appalachian Power Company (AEP Generation)	Transmission Owner
Watson	Betty	Affirmed Energy LLC	Other Supplier
Whitehead	Jeffrey	GT Power Group, LLC	Not Applicable
Wiegand-Jackson	Laurie	Utility Advantage	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Yoder	Michael	RTO Insider	Not Applicable

Future Meeting Dates

July 10, 2020	9am – 4pm	Teleconference
July 28, 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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