

Seasonal Capacity Resources Senior Task Force (SCRSTF)

PJM Conference and Training Center

August 1, 2016

9:30 a.m. – 4:00 p.m. EPT

Meeting #9

Administration

1. Mr. Scott Baker opened the meeting and reviewed the agenda.
2. Mr. Joe Callis reviewed the meeting guidelines, performed roll call and reviewed the draft minutes of the July 11th meeting. Minutes were approved and posted as final.

Solution Options for Aggregate Resources

1. Mr. Adam Keech and Mr. Jeff Bastian, PJM, reviewed updated draft business rules associated with the PJM staff proposal for resource aggregation. Mr. Baker reviewed the solution options for the PJM staff proposal. Stakeholders discussed various factors related to the solution options including the impact of resource aggregation across LDA's on RTO capacity prices and the feasibility or impact of winter CIR's on resource aggregation.

Solution Options for Seasonal Markets/Sub-Annual Products

1. Mr. Jim Wilson, on behalf of the NJ Division of Rate Counsel, PA Office of Consumer Advocate, MD Office of People's Counsel, DC Office of People's Counsel, DE Division of the Public Advocate, and the Sustainable FERC Project, reviewed a proposal to develop a seasonal capacity market (separate capacity requirements for winter and summer).
2. Mr. Jim Wilson, on behalf of the NJ Division of Rate Counsel, PA Office of Consumer Advocate, MD Office of People's Counsel, DC Office of People's Counsel, DE Division of the Public Advocate, and the Sustainable FERC Project, presented a second proposal introducing the Winter Performance Equivalents (WIPes) concept as an alternative to a full seasonal approach.
3. Mr. Jeff Whitehead, Direct Energy Business Marketing, reviewed a proposal to retain the Base Capacity Product for the 2020/2021 Delivery Year.

Demand Response Measurement and Verification Solution Options

1. Mr. Pete Langbein, PJM, provided an update on proposed M&V changes for Demand Response resources.

Action Items and Future Agenda Items

1. PJM will post an updated matrix prior to the next meeting which will include all the proposed solutions options presented in the meetings thus far in matrix form.
2. PJM staff will present examples covering various scenarios discussed during the meeting to clarify the details of the PJM proposal.

Future Meeting Dates

August 12, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
August 26, 2016	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
September 8, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
September 23, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
October 14, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
October 26, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
November 16, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
November 29, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
December 19, 2016	9:30 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx

Author: B. Keshavamurthy

In Attendance (In Person)

Last Name	First Name	Company	Sector
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Transmission Owner
Borgatti	Michael	Gabel and Associates	Not Applicable
Bruno	Pat	PJM Interconnection, LLC	Not Applicable
Callis	Joe	PJM Interconnection, LLC	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Driscoll	Mary Ellen	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falco	Chris	PJM Interconnection, LLC	Not Applicable
Falin	Tom	PJM Interconnection, LLC	Not Applicable
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Foster	Joshua	PJM Interconnection, LLC	Not Applicable
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Hagaman	Derek	GT Power Group	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman	Brian	NRG Curtailment Solutions	Other Supplier
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Keshavamurthy	Bhavana	PJM Interconnection, LLC	Not Applicable
Kilgallen	Kevin	Iberdrola	Generation Owner
Kogut	George	New York Power Authority	Other Supplier

Langbein	Pete	PJM Interconnection, LLC	Not Applicable
Loomis	Harold	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
Matheson	Doug	EnerNOC, Inc.	Other Supplier
McCaffree	Matthew	Comverge Inc.	Not Applicable
Melnyk	Markian	Atlantic Grid Operations A, LLC	Other Supplier
Pratzon	David	GT Power Group	Not Applicable
Rocha-Garrido	Patricio	PJM Interconnection, LLC	Not Applicable
Rutigliano	Tom	Earth Networks	Other Supplier
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker	Paul	PJM Interconnection, LLC	Not Applicable
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Sechrist	Erin	PJM Interconnection, LLC	Not Applicable
Stadelmeyer	Rebecca	PJM Interconnection, LLC	Not Applicable
Thomson	Heather	Mid-Atlantic Renewable Energy	Not Applicable
Whitehead	Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Wilson	James	Wilson Energy Economics	Not Applicable
Yannarell	Dave	Talen Energy Marketing, LLC	Generation Owner
Yu	Joel	Rockland Electric Company	Transmission Owner

In Attendance (WebEx / Teleconference)

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Bhavaraju	Murty	PJM Interconnection, LLC	Not Applicable
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Brodbeck	John	EDP Renewables North America, LLC	Other Supplier
Bruce	Susan	McNees Wallace & Nurick LLC	Not Applicable
Bunch	Kevin	EDF Trading North America, LLC	Other Supplier
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Chen	Jennifer	Natural Resources Defense Council	Not Applicable
Chocarro Aguirrebengoa	Iker	E.ON Climate & Renewables North America, Inc.	Generation Owner
Coll	Dan	PJM Interconnection, LLC	Not Applicable
Collins	Leonard	State of Delaware	Not Applicable
Cox	Jason	Dynegy Power Marketing, Inc.	Generation Owner
Cummings	Brigid	PJM Interconnection, LLC	Not Applicable
D'Alessandris	Lou	FirstEnergy Solutions Corp.	Transmission Owner

davis	connie	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
DeLosa	Joseph	DE Public Service Commission	Not Applicable
Domian	Christin	Duquesne Light	Other Supplier
Doremus	Steven	EnerNOC, Inc.	Other Supplier
Eber	Jim	Exelon Business Services Company, LLC	Transmission Owner
Esposito	Pati	TransCanada Power Marketing Ltd.	Other Supplier
Farber	John	DE Public Service Commission	Not Applicable
Feldman	Brett	Navigant Consulting, Inc.	Not Applicable
Fox	Angela	Wylan Energy, L.L.C.	Not Applicable
Gebolys	Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gledhill	Andrew	PJM Interconnection, LLC	Not Applicable
Greening	Michele	Talen Energy Marketing, LLC	Generation Owner
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horning	Lynn	Not identified	Not Applicable
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hudis	Gabriella	Jersey Green Energy	Other Supplier
Hyzinski	Tom	Talen Energy Marketing, LLC	Generation Owner
Jablonski	James	Borough of Butler, Butler Electric Division	Electric Distributor
Jackson	Michaela	EDF Renewable Energy	Not Applicable
Jacobs	Mike	Xtreme Power	Not Applicable
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Karrasch	Kim	Interstate Gas Supply, Inc.	Other Supplier
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kolo	Elta	GTM	Not Applicable
Lacy	Catharine	Dominion Virginia Power	Not Applicable
LeBris Erffmeyer	Jacques	Illinois Citizens Utility Board	End User Customer
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Ma	Alex	Invenergy, LLC	Generation Owner
Marton	David	FirstEnergy Solutions Corp.	Transmission Owner
Matzen	Jeff	Dominion Retail, Inc.	Not Applicable
McGuirk	Brian	Direct Energy Business Marketing, LLC	Other Supplier
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Mooney	Molly	PJM Interconnection, LLC	Not Applicable
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Ozkan	Deniz	Atlantic Grid Operations A, LLC	Other Supplier

Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Patten	Kevin	Appalachain Power Company	Transmission Owner
Poulos	Greg	EnerNOC, Inc.	Other Supplier
Reynolds	John	PJM Interconnection, LLC	Not Applicable
Riding	MQ	Essential Power OPP, LLC	Transmission Owner
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rugh	Chris	EverPower Commercial Services, LLC	Generation Owner
Rushing	Nathan	CPV Maryland, LLC	Generation Owner
St. John	Jeff	Greentech Media	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schreim	Morris	Maryland Public Service Commission	Not Applicable
Sears	Debbie	Emerald Energy	Not Applicable
Shanker	Roy	Hydro Quebec	Not Applicable
Sitaraman	Nicole	Office of the Peoples Counsel for the District of Columbia	End User Customer
Slagel	Ron	MICS	Other Supplier
Ward	Michael	PJM Interconnection, LLC	Not Applicable
Wehr	Christopher	Metropolitan Edison Company	Transmission Owner
Wiegand-Jackson	Laurie	North America Power Partners LLC	Other Supplier
Wynn	Laura	SMXB Law	Not Applicable
Xenopoulos	Damon	SMXB Law	Not Applicable
Zilliox	Skylar	RES America Developments Inc	Generation Owner