

Seasonal Capacity Resources Senior Task Force (SCRSTF) PJM Conference and Training Center May 6th, 2016 1:00 p.m. – 4:30 p.m. EPT Meeting #4

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 April 26th meeting. Minutes were approved and posted as final.

Education Process

- 1. Mr. Tom Falin, PJM, provided an analysis on the impact of customer peak shaving on zonal load forecast and zonal load obligation.
- 2. Mr. Pete Langbein, PJM and Mr. Falin, provided education on how base capacity resources/seasonal resources performed historically (in non-summer periods).
- 3. Mr. Aaron Berner, PJM, provided a summary on Capacity Interconnection Right calculations for different types of resources

Governing Documents for SCRSTF

- Mr. Baker reviewed the list of interests that were modified by PJM and other stakeholders. Joe Bowring, Monitoring Analytics presented the independent market monitor's interests. Stakeholders also stated additional interests during the meeting.
- 5. Mr. Baker reviewed the two modifications made to the draft charter after the first read at the MRC. The first change was to combine two similar work activities into one. The second was to make clear the broader scope of possible solutions under discussion by adding to key work activity number three, "...inclusion of stand-alone sub-annual products in the auction process..." Approval of the charter will be voted on at the MRC meeting on May 26th.

Action Items and Future Agenda Items

- PJM will compile the list of data requests and education items requested at this meeting and will schedule them for future meetings accordingly.
- Identification of Design Components will take place in the next meeting. In the interim, preprepared design components can be provided in advance of the meeting (email to <u>Joe Callis</u> or <u>Bhavana Keshavamurthy</u>). There will also be an opportunity to provide them during the meeting.

Future Meeting Dates

May 25, 2016 June 6, 2016 9:30 a.m. – 4:00 p.m. 1:00 p.m. – 4:30 p.m. PJM Conference & Training Center/ WebEx PJM Conference & Training Center/ WebEx



June 21, 2016 July 11, 2016 July 26, 2016 August 12, 2016 August 22, 2016 September 8, 2016 September 23, 2016 October 14, 2016 October 26, 2016 November 16, 2016 November 29, 2016 December 19, 2016 9:30 a.m. - 4:00 p.m. 1:00 p.m. - 4:30 p.m. 9:30 a.m. - 4:00 p.m. PJM Conference & Training Center/ WebEx PJM Conference & Training Center/ WebEx

Author: B.Keshavamurthy

In Attendance (In Person)

Last Name	First Name	Company Name	Sector
Baker (Facilitator)	Scott	PJM Interconnection, LLC	Not Applicable
Callis (Secretary)	Joe	PJM Interconnection, LLC	Not Applicable
Keshavamurthy (Secretary)	Bhavana	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Borgatti	Michael	Gabel and Associates	Not Applicable
Bowring	Joe	Monitoring Analytics, LLC	Not Applicable
Bryson	Mike	PJM Interconnection, LLC	Not Applicable
Covino	Susan	PJM Interconnection, LLC	Not Applicable
Falin	Tom	PJM Interconnection, LLC	Not Applicable
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Guerry	Katie	EnerNOC, Inc.	Other Supplier
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
Kerecman	Joe	Calpine Energy Services, L.P.	Generation Owner
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Pratzon	David	GT Power Group	Not Applicable
Price	Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Reynolds	John	PJM Interconnection, LLC	Not Applicable
Rocha-Garrido	Patricio	PJM Interconnection, LLC	Not Applicable
Rutigliano	Tom	Demansys Energy	Other Supplier
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Sechrist	Erin	PJM Interconnection, LLC	Not Applicable



Stadelmeyer		
Tribulski		
Whitehead		
Wilson		

Rebecca Jennifer Jeffrey James

PJM Interconnection, LLC PJM Interconnection, LLC Direct Energy Business Marketing, LLC Wilson Energy Economics Not Applicable Not Applicable Other Supplier Not Applicable

In Attendance (WebEx / Teleconference)

Last Name	First Name	Company Name	Sector
Anders	David	PJM Interconnection, LLC	Not Applicable
Azar	Abe	DB Energy Trading LLC	Other Supplier
Benchek	Jim	FirstEnergy Solutions Corp.	Other Supplier
Berger	Ken	Dominion Virginia Power	Not Applicable
Bhavaraju	Murty	PJM Interconnection, LLC	Not Applicable
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bodkin	Sean	Dominion Virginia Power	Not Applicable
Bolan	Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bruce	Susan	McNees Wallace & Nurick LLC	Not Applicable
Campbell	Bruce	EnergyConnect	Other Supplier
Canter	David	Appalachian Power Company	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Chen	Jennifer	Natural Resources Defense Council	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
Cummings	Bridgid	PJM Interconnection, LLC	Not Applicable
Davis	Connie	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
Demuynck	Rene	New Jersey Board of Public Utilities	Not Applicable
DeNavas	Joseph	Potomac Electric Power Company	Electric Distributor
Domian	Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Doremus	Steven	EnerNOC, Inc.	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Esposito	Pati	TransCanada Power Marketing Ltd.	Other Supplier
Farber	John	DE Public Service Commission	Not Applicable
Feierabend	Rick	Dominion Virginia Power	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Fram	Benjamin	Monitoring Analytics, LLC	Not Applicable
Garnett	Bryan	Duke Energy Ohio	Transmission Owner
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Gledhill	Andrew	PJM Interconnection, LLC	Not Applicable



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MillerJohnCommonwealth Edison CompanyTransmission OwnerNortonChrisAmerican Municipal Power, Inc.Electric DistributorO'ConnellRobertMain Line Electricity Market ConsultantsNot ApplicableOndaykoBrockAppalachian Power CompanyTransmission OwnerO'NeillJackPJM Interconnection, LLCNot ApplicablePakelaGregDTE Energy Trading, Inc.Other SupplierPeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Matheson	Doug	EnerNOC, Inc.	Other Supplier
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O'ConnellRobertMain Line Electricity Market ConsultantsNot ApplicableOndaykoBrockAppalachian Power CompanyTransmission OwnerO'NeillJackPJM Interconnection, LLCNot ApplicablePakelaGregDTE Energy Trading, Inc.Other SupplierPeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertSouthern Maryland Electric CooperativeElectric Distributor	Miller	John	Commonwealth Edison Company	Transmission Owner
OndaykoBrockAppalachian Power CompanyTransmission OwnerO'NeillJackPJM Interconnection, LLCNot ApplicablePakelaGregDTE Energy Trading, Inc.Other SupplierPeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'NeillJackPJM Interconnection, LLCNot ApplicablePakelaGregDTE Energy Trading, Inc.Other SupplierPeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	O'Connell	Robert	Main Line Electricity Market Consultants	Not Applicable
PakelaGregDTE Energy Trading, Inc.Other SupplierPeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Ondayko	Brock	Appalachian Power Company	Transmission Owner
PeoplesJohnDuquesne Light CompanyTransmission OwnerPhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
PhillipsAmandaWabash Valley Power Association, Inc.Electric DistributorPoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
PoulosGregEnerNOC, Inc.Other SupplierPowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Peoples	John	Duquesne Light Company	Transmission Owner
PowersSeanLinde Energy Services, Inc.End User CustomerRajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Phillips	Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
RajanAbhijitDominion ResourcesNot ApplicableReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Poulos	Greg	EnerNOC, Inc.	Other Supplier
ReuterRobertPotomac Electric Power CompanyElectric DistributorRohrbachJohnSouthern Maryland Electric CooperativeElectric Distributor	Powers	Sean	Linde Energy Services, Inc.	End User Customer
Rohrbach John Southern Maryland Electric Cooperative Electric Distributor	Rajan	Abhijit	Dominion Resources	Not Applicable
	Reuter	Robert	Potomac Electric Power Company	Electric Distributor
Rugh Chris EverPower Commercial Services, LLC Generation Owner	Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
	Rugh	Chris	EverPower Commercial Services, LLC	Generation Owner
Salaneck Alexandra Monitoring Analytics, LLC Not Applicable	Salaneck	Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser Jonathan Customized Energy Solutions, Ltd. Not Applicable	Sasser	Jonathan	Customized Energy Solutions, Ltd.	Not Applicable
Schuyler Ken PJM Interconnection, LLC Not Applicable	Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Scoglietti Barbara Tangent Energy Solutions, Inc. Other Supplier	Scoalietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier



Seide Richard Apex Clean Energy Shanker Roy Hydro Quebec Smith Buckeye Power, Inc. Kara Tacka PJM Interconnection, LLC Natalie Thomson Heather Mid-Atlantic Renewable Energy Trayers Barry Citigroup Energy, Inc. Allegheny Electric Cooperative, Inc. Vargo Daniel Wehr Christopher Metropolitan Edison Company White North Carolina Electric Cooperatives Debbie North America Power Partners LLC WiegandJackson Laurie Wisersky Madison Gas & Electric Megan Yu Joel Rockland Electric Company Zilliox Skylar **RES** America Developments Inc

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