

# DRAFT Minutes

# PJM Interconnection

# Markets and Reliability Committee

PJM Conference and Training Center, Valley Forge, PA

July 31, 2014

9:00 a.m. – 3:45 p.m.

# **CHAIR/SECRETARY**

Kormos	Mike	PJM Interconnection, LLC	Not Applicable
Anders	David	PJM Interconnection, LLC	Not Applicable

# **VOTING PARTICIPANTS**

Last Name	First Name	Company	Sector
Bolan	Martin	Rep.'g FirstEnergy Solutions Corp.	Transmission Owner
Brodbeck	John	Potomac Electric Power Company	Electric Distributor
Bruce	Susan	Rep.'g Air Liquide Industrial U.S., LP	End User Customer
Bruce	Susan	Rep.'g Air Products & Chemicals, Inc.	End User Customer
Bruce	Susan	Rep.'g Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Rep.'g Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep.'g Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep.'g Lehigh Portland Cement Company	End User Customer
Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority	Electric Distributor
Bruce	Susan	Rep.'g Linde LLC	End User Customer
Bruce	Susan	Rep.'g MeadWestvaco Corporation	End User Customer
Bruce	Susan	Rep.'g Occidental Power Services, Inc.	Other Supplier
Bruce	Susan	Rep.'g Praxair, Inc.	End User Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	End User Customer
Bruce	Susan	Rep.'g Trustees of the U of PA, dba University of Pennsylvania	End User Customer
Bruce	Susan	Rep.'g Wellsboro Electric Company (pre-2008)	Electric Distributor
Campbell	Bruce	Rep.'g EnergyConnect, Inc.	Other Supplier
Campbell	Bruce	Rep.'g Mid-Atlantic Power Partners	Other Supplier
Czigler	Frank	Public Service Electric & Gas Company	Transmission Owner
Drabant	Tracey	Duquesne Light Company	Transmission Owner
Esposito	Patricia	Atlantic Grid Operations A, LLC	Other Supplier
Etnoyer	Scott	MEG Generating Company, LLC	Generation Owner



Filch Neal NRG Power Marketing LLC Generation Owner Foladare Kenneth IMG Midstream LLC Generation Owner Gill Richard UGI Utilities, Inc. Transmission Owner Greening Michele PPL EnergyPlus, LL.C. Transmission Owner Greening Michele PPL EnergyPlus, LL.C. Transmission Owner Griffiths Dan Rep.'g Division of the Public Advocate of State of Delaware End User Customer Griffiths Dan Rep.'g Maryland Office of Peoples Counsel End User Customer Griffiths Dan Rep.'g New Jersey Div. of the Ralepayer Advocate End User Customer Griffiths Dan Rep.'g New Jersey Div. of the Ralepayer Advocate End User Customer Griffiths Dan Rep.'g West Virginia Consumer Advocate Division End User Customer Griffiths Dan Rep.'g West Virginia Consumer Advocate Division End User Customer Griffiths Dan Rep.'g Boroty, Inc.  Hoatson Tom West Depford Energy, LLC Generation Owner Horstmann John Daylon Power and Light Company (The) Transmission Owner Horstmann John Daylon Power and Light Company (The) Transmission Owner Jablonski James Rep.'g Borough of Lavallette, New Jersey Electric Distributor Jablonski James Rep.'g Borough of Madison, New Jersey Electric Distributor Jablonski James Rep.'g Borough of Midison, New Jersey Electric Distributor Jablonski James Rep.'g Borough of Park Ridge, New Jersey Electric Distributor Jablonski James Rep.'g Borough of Pemberton Electric Distributor Jablonski James Rep.'g Borough of Seaside Heights, New Jersey Electric Distributor Jablonski James Rep.'g Borough of South River, New Jersey Electric Distributor Jablonski James Rep.'g Borough of South River, New Jersey Electric Distributor Johnson Carl Rep.'g Borough of South River, New Jersey Electric Distributor Johnson Carl Rep.'g Borough of South River, New Jersey Electric Distributor Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor Electric Distributor Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor Electric Distributor Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor Electric Distributor Johnson Carl Rep.'g Buckeye Power, Inc. Other	Evrard	David	Pennsylvania Office of Consumer Advocate	End User Customer
Gill         Richard         UGI Utilities, Inc.         Transmission Owner           Greening         Michele         PPL EnergyPlus, L.L.C.         Transmission Owner           Griffiths         Dan         Rep'g Division of the Public Advocate of State of Delaware         End User Customer           Griffiths         Dan         Rep'g Mew Jersey Div. of the Ratepayer Advocate         End User Customer           Griffiths         Dan         Rep'g West Virginia Consumer Advocate Division         End User Customer           Guerry         Katle         EnerNOC, Inc.         Other Supplier           Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jabionski         James         Rep'g Borough of Butler, Butler Electric Division         Electric Distributor           Jabionski         James         Rep'g Borough of Madison, New Jersey         Electric Distributor           Jabionski         James         Rep'g Borough of Madison, New Jersey         Electric Distributor           Jabionski         James         Rep'g Borough of Park Ridge, New Jersey         Electric Distributor           Jabionski         James         Rep'g Borough of South River, New Jersey         Electric Distributor	Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Greening         Michele         PPL EnergyPlus, L.L.C.         Transmission Owner           Griffiths         Dan         Rep.'g Division of the Public Advocate of State of Delaware         End User Customer           Griffiths         Dan         Rep.'g Maryland Office of Peoples Counsel         End User Customer           Griffiths         Dan         Rep.'g West Virginia Consumer Advocate         End User Customer           Griffiths         Dan         Rep.'g West Virginia Consumer Advocate Division         End User Customer           Guerry         Katie         EnerNOC, Inc.         Other Supplier           Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jabionski         James         Rep.'g Borough of Butler, Butler Electric Division         Electric Distributor           Jabionski         James         Rep.'g Borough of Madison, New Jersey         Electric Distributor           Jabionski         James         Rep.'g Borough of Millitown         Electric Distributor           Jabionski         James         Rep.'g Borough of Park Ridge, New Jersey         Electric Distributor           Jabionski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distrib	Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Griffiths         Dan         Rep.'g Division of the Public Advocate of State of Delaware         End User Customer           Griffiths         Dan         Rep.'g Maryland Office of Peoples Counsel         End User Customer           Griffiths         Dan         Rep.'g West Virginia Consumer Advocate         End User Customer           Griffiths         Dan         Rep.'g West Virginia Consumer Advocate Division         End User Customer           Guerry         Katie         EnerNOC, Inc.         Other Supplier           Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jabionski         James         Rep.'g Borough of Butler, Butler Electric Division         Electric Distributor           Jabionski         James         Rep.'g Borough of Lavallette, New Jersey         Electric Distributor           Jabionski         James         Rep.'g Borough of Madison, New Jersey         Electric Distributor           Jabionski         James         Rep.'g Borough of Milltown         Electric Distributor           Jabionski         James         Rep.'g Borough of Perherton         Electric Distributor           Jabionski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Di	Gill	Richard	UGI Utilities, Inc.	Transmission Owner
Griffiths Dan Rep.'g Maryland Office of Peoples Counsel End User Customer Griffiths Dan Rep.'g New Jersey Div. of the Ratepayer Advocate End User Customer Griffiths Dan Rep.'g West Virginia Consumer Advocate Division End User Customer Guerry Katie EnerNOC, Inc. Other Supplier Hoatson Tom West Deptitord Energy, LLC Generation Owner Horstmann John Dayton Power and Light Company (The) Transmission Owner Jabionski James Rep.'g Borough of Butler, Butler Electric Division Electric Distributor Jabionski James Rep.'g Borough of Madison, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Madison, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Milliown Electric Distributor Jabionski James Rep.'g Borough of Milliown Electric Distributor Jabionski James Rep.'g Borough of Park Ridge, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Pemberton Electric Distributor Jabionski James Rep.'g Borough of Seaside Heights, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Johnson Carl Rep.'g Blue Ridge Power Agency, Inc. Electric Distributor Johnson Carl Rep.'g Bure Ridge Power Agency, Inc. Electric Distributor Johnson Carl Rep.'g Burough of Chambersburg (DTEET) Electric Distributor Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor Johnson Carl Rep.'g Buekeye Power, Inc. Electric Distributor Johnson Carl Rep.'g Buekaye Municipal Electric Cooperative Electric Distributor Johnson Carl Rep.'g Belaware Municipal Electric Corporation Electric Distributor Johnson Carl Rep.'g Belaware Municipal Electric Corporation Electric Distributor Johnson Carl Rep.'g Hagerstown Light Department Electric Distributor Johnson Carl Rep.'g Ildiana Municipal Fower Agency Generation Owner Johnson Carl Rep.'	Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Griffiths Dan Rep.'g New Jersey Div. of the Ratepayer Advocate End User Customer Griffiths Dan Rep.'g West Virginia Consumer Advocate Division End User Customer Guerry Katie EnerNOC, Inc. Other Supplier Hoatson Tom West Deptford Energy, LLC Generation Owner Horstmann John Dayton Power and Light Company (The) Transmission Owner Jabionski James Rep.'g Borough of Butler, Butler Electric Division Electric Distributor Jabionski James Rep.'g Borough of Lavallette, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Madison, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Milltown Electric Distributor Jabionski James Rep.'g Borough of Milltown Electric Distributor Jabionski James Rep.'g Borough of Pemberton Electric Distributor Jabionski James Rep.'g Borough of Pemberton Electric Distributor Jabionski James Rep.'g Borough of Seaside Heights, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of South River, New Jersey Electric Distributor Jabionski James Rep.'g Borough of Chambersburg (DTEET) Electric Distributor Johnson Carl Rep.'g Bule Ridge Power Agency, Inc. Electric Distributor Johnson Carl Rep.'g Borough of Chambersburg (DTEET) Electric Distributor Johnson Carl Rep.'g Central Virginia Electric Cooperative Electric Distributor Johnson Carl Rep.'g Central Virginia Electric Cooperative Electric Distributor Johnson Carl Rep.'g Eleaware Municipal Electric Corporation Electric Distributor Johnson Carl Rep.'g Eleaware Municipal Electric Corporation Electric Distributor Johnson Carl Rep.'g Bainson Utilities Commission PA Other Supplier Johnson Carl Rep.'g Hagerstown Light Department Electric Distributor Johnson Carl Rep.'g Hagerstown Light Department Electric Distrib	Griffiths	Dan	Rep.'g Division of the Public Advocate of State of Delaware	End User Customer
Griffiths         Dan         Rep.'g West Virginia Consumer Advocate Division         End User Customer           Guerry         Katie         EnerNOC, Inc.         Other Supplier           Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jablonski         James         Rep.'g Borough of Buttler, Butter Electric Division         Electric Distributor           Jablonski         James         Rep.'g Borough of Lavallette, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Milltown         Electric Distributor           Jablonski         James         Rep.'g Borough of Milltown         Electric Distributor           Jablonski         James         Rep.'g Borough of Pemberton         Electric Distributor           Jablonski         James         Rep.'g Brough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor </td <td>Griffiths</td> <td>Dan</td> <td>Rep.'g Maryland Office of Peoples Counsel</td> <td>End User Customer</td>	Griffiths	Dan	Rep.'g Maryland Office of Peoples Counsel	End User Customer
Guerry         Katie         EnerNOC, Inc.         Other Supplier           Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jablonski         James         Rep.'g Borough of Butler, Butler Electric Division         Electric Distributor           Jablonski         James         Rep.'g Borough of Lavallette, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Madison, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Milltown         Electric Distributor           Jablonski         James         Rep.'g Borough of Pemberton         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey	Griffiths	Dan	Rep.'g New Jersey Div. of the Ratepayer Advocate	End User Customer
Hoatson         Tom         West Deptford Energy, LLC         Generation Owner           Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jablonski         James         Rep.'g Borough of Butler, Butler Electric Division         Electric Distributor           Jablonski         James         Rep.'g Borough of Lavallette, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Madison, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Milltown         Electric Distributor           Jablonski         James         Rep.'g Borough of Pemberton         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New	Griffiths	Dan	Rep.'g West Virginia Consumer Advocate Division	End User Customer
Horstmann         John         Dayton Power and Light Company (The)         Transmission Owner           Jablonski         James         Rep.'g Borough of Butler, Butler Electric Division         Electric Distributor           Jablonski         James         Rep.'g Borough of Butler, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Malison, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Milltown         Electric Distributor           Jablonski         James         Rep.'g Borough of Pemberton         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of Seaside Heights, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Borough of South River, New Jersey         Electric Distributor           Jablonski         James         Rep.'g Bor	Guerry	Katie	EnerNOC, Inc.	Other Supplier
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JablonskiJamesRep.'g Borough of MilltownElectric DistributorJablonskiJamesRep.'g Borough of Park Ridge, New JerseyElectric DistributorJablonskiJamesRep.'g Borough of PembertonElectric DistributorJablonskiJamesRep.'g Borough of Seaside Heights, New JerseyElectric DistributorJablonskiJamesRep.'g Borough of South River, New JerseyElectric DistributorJablonskiJamesRep.'g Vineland Municipal Electric UtilityElectric DistributorJenningsKenDuke Energy Business Services LLCTransmission OwnerJohnsonCarlRep.'g Blue Ridge Power Agency, Inc.Electric DistributorJohnsonCarlRep.'g Borough of Chambersburg (DTEET)Electric DistributorJohnsonCarlRep.'g Buckeye Power, Inc.Electric DistributorJohnsonCarlRep.'g Central Virginia Electric CooperativeElectric DistributorJohnsonCarlRep.'g City of Dover, DelawareElectric DistributorJohnsonCarlRep.'g Easton Utilities CommissionElectric DistributorJohnsonCarlRep.'g Energy Cooperative Association of PAOther SupplierJohnsonCarlRep.'g Galt Power Inc.Other SupplierJohnsonCarlRep.'g Hagerstown Light DepartmentElectric DistributorJohnsonCarlRep.'g Hagerstown Light DepartmentElectric DistributorJohnsonCarlRep.'g Ilmionis Municipal Power AgencyGeneration OwnerJohnsonCarl	Jablonski	James	Rep.'g Borough of Lavallette, New Jersey	Electric Distributor
JablonskiJamesRep'g Borough of Park Ridge, New JerseyElectric DistributorJablonskiJamesRep.'g Borough of PembertonElectric DistributorJablonskiJamesRep.'g Borough of Seaside Heights, New JerseyElectric DistributorJablonskiJamesRep.'g Borough of South River, New JerseyElectric DistributorJablonskiJamesRep.'g Vineland Municipal Electric UtilityElectric DistributorJenningsKenDuke Energy Business Services LLCTransmission OwnerJohnsonCarlRep.'g Blue Ridge Power Agency, Inc.Electric DistributorJohnsonCarlRep.'g Borough of Chambersburg (DTEET)Electric DistributorJohnsonCarlRep.'g Buckeye Power, Inc.Electric DistributorJohnsonCarlRep.'g Central Virginia Electric CooperativeElectric DistributorJohnsonCarlRep.'g Central Virginia Electric CooperativeElectric DistributorJohnsonCarlRep.'g Delaware Municipal Electric CorporationElectric DistributorJohnsonCarlRep.'g Baston Utilities CommissionElectric DistributorJohnsonCarlRep.'g Energy Cooperative Association of PAOther SupplierJohnsonCarlRep.'g Hagerstown Light DepartmentElectric DistributorJohnsonCarlRep.'g Hagerstown Light DepartmentElectric DistributorJohnsonCarlRep.'g Illinois Municipal Electric AgencyElectric DistributorJohnsonCarlRep.'g Madison Gas & Electric CompanyOther Sup	Jablonski	James	Rep.'g Borough of Madison, New Jersey	Electric Distributor
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Jablonski James Rep.'g Vineland Municipal Electric Utility Electric Distributor  Jennings Ken Duke Energy Business Services LLC Transmission Owner  Johnson Carl Rep.'g Blue Ridge Power Agency, Inc. Electric Distributor  Johnson Carl Rep.'g Borough of Chambersburg (DTEET) Electric Distributor  Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor  Johnson Carl Rep.'g Central Virginia Electric Cooperative Electric Distributor  Johnson Carl Rep.'g City of Dover, Delaware Electric Distributor  Johnson Carl Rep.'g Delaware Municipal Electric Corporation Electric Distributor  Johnson Carl Rep.'g Easton Utilities Commission Electric Distributor  Johnson Carl Rep.'g Energy Cooperative Association of PA Other Supplier  Johnson Carl Rep.'g Galt Power Inc. Other Supplier  Johnson Carl Rep.'g Hagerstown Light Department Electric Distributor  Johnson Carl Rep.'g Indiana Municipal Electric Agency Electric Distributor  Johnson Carl Rep.'g Indiana Municipal Power Agency Generation Owner  Johnson Carl Rep.'g Madison Gas & Electric Company Other Supplier  Johnson Carl Rep.'g Mont Alto, PA (Borough of) Electric Distributor	Jablonski	James	Rep.'g Borough of Seaside Heights, New Jersey	Electric Distributor
Jennings Ken Duke Energy Business Services LLC Transmission Owner  Johnson Carl Rep.'g Blue Ridge Power Agency, Inc. Electric Distributor  Johnson Carl Rep.'g Borough of Chambersburg (DTEET) Electric Distributor  Johnson Carl Rep.'g Buckeye Power, Inc. Electric Distributor  Johnson Carl Rep.'g Central Virginia Electric Cooperative Electric Distributor  Johnson Carl Rep.'g City of Dover, Delaware Electric Distributor  Johnson Carl Rep.'g Delaware Municipal Electric Corporation Electric Distributor  Johnson Carl Rep.'g Easton Utilities Commission Electric Distributor  Johnson Carl Rep.'g Energy Cooperative Association of PA Other Supplier  Johnson Carl Rep.'g Galt Power Inc. Other Supplier  Johnson Carl Rep.'g Hagerstown Light Department Electric Distributor  Johnson Carl Rep.'g Illinois Municipal Electric Agency Electric Distributor  Johnson Carl Rep.'g Indiana Municipal Power Agency Generation Owner  Johnson Carl Rep.'g Madison Gas & Electric Company Other Supplier  Johnson Carl Rep.'g Madison Gas & Electric Company Other Supplier  Johnson Carl Rep.'g Madison Gas & Electric Company Other Supplier	Jablonski	James	Rep.'g Borough of South River, New Jersey	Electric Distributor
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JohnsonCarlRep.'g Buckeye Power, Inc.Electric DistributorJohnsonCarlRep.'g Central Virginia Electric CooperativeElectric DistributorJohnsonCarlRep.'g City of Dover, DelawareElectric DistributorJohnsonCarlRep.'g Delaware Municipal Electric CorporationElectric DistributorJohnsonCarlRep.'g Easton Utilities CommissionElectric DistributorJohnsonCarlRep.'g Energy Cooperative Association of PAOther SupplierJohnsonCarlRep.'g Galt Power Inc.Other SupplierJohnsonCarlRep.'g Hagerstown Light DepartmentElectric DistributorJohnsonCarlRep.'g Illinois Municipal Electric AgencyElectric DistributorJohnsonCarlRep.'g Indiana Municipal Power AgencyGeneration OwnerJohnsonCarlRep.'g Madison Gas & Electric CompanyOther SupplierJohnsonCarlRep.'g Mont Alto, PA (Borough of)Electric Distributor	Johnson	Carl	Rep.'g Blue Ridge Power Agency, Inc.	Electric Distributor
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Johnson Carl Rep.'g Mont Alto, PA (Borough of) Electric Distributor	Johnson	Carl	Rep.'g Indiana Municipal Power Agency	Generation Owner
	Johnson	Carl	Rep.'g Madison Gas & Electric Company	Other Supplier
Johnson Carl Rep.'g North Carolina Electric Membership Corporation Electric Distributor	Johnson	Carl	Rep.'g Mont Alto, PA (Borough of)	Electric Distributor
	Johnson	Carl	Rep.'g North Carolina Electric Membership Corporation	Electric Distributor



Johnson	Carl	Rep.'g North Carolina Municipal Power Agency # 1	Other Supplier
		1 0 1	
Johnson	Carl	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep.'g Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.'g Thurmont, MD (Town of)	Electric Distributor
Johnson	Carl	Rep.'g Williamsport, MD (Town of)	Electric Distributor
Johnson	Carl	Rep.'g WPPI Energy	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ma	Alex	Invenergy, LLC	Generation Owner
Martin	Aaron	CMS Energy Resource Management Company	Other Supplier
Merola	Becky	Noble Americas Gas & Power Corp.	Other Supplier
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell	Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pratzon	David	Rep.'g Calpine Energy Services, L.P.	Generation Owner
Pratzon	David	Rep.'g Liberty Electric Power, LLC	Generation Owner
Rainey	Frank	PEI Power Corporation	Generation Owner
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Sudhakara	Raghu	Rockland Electric Company	Transmission Owner
Trimble	John	Alternative Utility Services, Inc.	Other Supplier

# **NON-VOTING PARTICIPANTS**

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Allen	Carrie	GenOn Energy Management, LLC	Generation Owner
Applebaum	David	NextEra Energy Power Marketing, LLC	Generation Owner
Bagot	Nancy	Electric Power Supply Association	Not Applicable
Bainbridge	Thomas	FirstEnergy Solutions Corporation	Transmission Owner
Batta	Michael	Virginia Electric and Power Company	Transmission Owner
Birnel	William	Westar Energy, Inc.	Other Supplier
Bloodworth	Michelle	American Natural Gas Alliance	Not Applicable
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bowring	Joseph	Monitoring Analytics, LLC	Not Applicable
Burns	Will	Burns Law Firm	Not Applicable
Canter	David	AEP	Transmission Owner
Carretta	Kenneth	Public Service Electric & Gas Company ER&T	Transmission Owner
Chappelle	Laura	Chappelle Consulting	Not Applicable



De Geeter	Ralph	Public Service Commission of Maryland	Not Applicable
Deese	John	NextEra Energy Power Marketing, LLC	Generation Owner
Demuynck	Rene	New Jersey Board of Public Utilities	Not Applicable
Denavas	Joe	Potomac Electric Power Company	Electric Distributor
Dessender	Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Dugan	William	Customized Energy Solutions, Ltd.*	Not Applicable
Engelmann	Alan	Commonwealth Edison Company	Transmission Owner
Erbrick	Michael	DhastCo,LLC	Not Applicable
Farber	John	Delaware Public Service Commission	Not Applicable
Feldman	Brett	Navigant Consulting	Not Applicable
Fernandes	John	Baltimore Gas and Electric Company	Transmission Owner
Fernandez	Jonathan	The Federal Energy Regulatory Commission	Not Applicable
Fields	William	Maryland Office of the Peoples' Counsel	End-Use Customer
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fisher	Amy	Linden VFT LLC	Transmission Owner
Fondacci	Luis	North Carolina Electric Membership Corporation	Electric Distributor
Frelich	Jessica	Integrys Energy Services, Inc.	Other Supplier
Galicia	Louis	Ventyx	Not Applicable
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Godson	Gloria	Potomac Electric Power Company	Electric Distributor
Grimes	Mike	EDP Renewables North America, LLC	Generation Owner
Hagaman	Derek	GT Power Group	Not Applicable
Halay	Alina	The Federal Energy Regulatory Commission	Not Applicable
Hall	Walter	Maryland Public Service Commission	Not Applicable
Hamilton	Tim	IGS Energy	Not Applicable
Hartman	Gary	PPL Electric Utilities Corporation d/b/a PPL Utilities	
Haugen	Joe	IGS Energy	Not Applicable
Heidorn	Richard	RTO Insider	Not Applicable
Heizer	Fred	Ohio PUC	Not Applicable
Michelle	Henry	FirstEnergy Solutions Corporation	Transmission Owner
Hitch	George	Virginia Electric and Power Company	Transmission Owner
Huis	Diane	North Carolina Electric Membership Corporation	Electric Distributor
Huntoon	Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
James	Denise	Dominion Energy Marketing, Inc.	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Jett	William	Duke Energy Business Services, Inc.	Generation Owner
Johnston	David	Indiana Utility Regulatory Commission	Not Applicable
Judson- Mcqueeney	Judith	Customized Energy Solutions	Not Applicable
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier



Kimmish	Steven	PSEG Energy Resources and Trade LLC	Transmission Owner
Lacy	Catharine	Dominion Resources	Not Applicable
Leimann	John	Virginia Electric and Power Company	Transmission Owner
Lewis	Cara	Public Service Electric & Gas Company	Transmission Owner
Lipman	Brian	New Jersey Division of Rate Counsel	End-Use Customer
Logan	Sharon	The Federal Energy Regulatory Commission	Not Applicable
Loudenburg	Zack	Aces Power Marketing	Not Applicable
Maher	Mollie	PPL Energy Plus, LLC	Transmission Owner
Mahon	Christopher	The Federal Energy Regulatory Commission	Not Applicable
Mahoney	Julie	New York State Electric & Gas Corporation	Other Supplier
Maloney	Peter	Platts	Not Applicable
Maye	Shelly Ann	North America Power Partners LLC	Other Supplier
McAdams	Julius	Red Wolf Energy Trading, LLC	Other Supplier
McAlister	Lisa	American Municipal Power, Inc.	Generation Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Mok	Alan	Duke Energy Business Services LLC	Generation Owner
Mount	Colin	Allegheny Energy Supply Company, L.L.C.	Transmission Owner
Neubrander	Kerry	DC Energy LLC	Other Supplier
Ondayko	Brock	AEP	Transmission Owner
Opalka	Bill	RTO Insider	Not Applicable
Owens	Christina	ACES	Not Applicable
Patrylo	Bob	H-P Energy Resources LLC	Other Supplier
Patten	Kevin	American Electric Power	Transmission Owner
Patterson	Paul	Glenrock Associates	Not Applicable
Philips	Marji	Hess Corporation	Other Supplier
Polakowski	Raymond	Hess Corporation	Other Supplier
Quinlan	Pamela	Rockland Electric Company	Transmission Owner
Rajan	Abhijit	Dominion Resources	Not Applicable
Razze	Scott	Pepco Holdings Incorporated	Not Applicable
Riding	MQ	NAEA Ocean Peaking Power, LLC	Generation Owner
Rismiller	Randy	The Illinois Commerce Commission	Not Applicable
Rutigliano	Tom	Constellation New Energy	Transmission Owner
Rutkowski	Michael	Navigant Consulting	Not Applicable
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Scott	Mark	Customized Energy Solutions, Ltd.*	Not Applicable
Shaffer	Brian	Atllantic City Electric	Electric Distributor
Shanker	Roy	Consultant	Not Applicable
Sitaraman	Nicole	DC office of The Peoples Council	End-Use Customer
Skucas	Ruta	Pierce Atwood LLP	Not Applicable
Sock	Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner



Stubbe	Judy	Duke Energy Business Services, Inc.	Generation Owner
Stuchell	Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Tatum	Ed	Old Dominion Electric Cooperative	Electric Distributor
Teamann	Cindy	FirstEnergy Solutions Corporation	Transmission Owner
Thomas	Glen	GT Power Group	Not Applicable
Villatoro	Karen	The Federal Energy Regulatory Commission	Not Applicable
Vogel	Anne	American Electric Power	Transmission Owner
Weaver	David	PECO Energy Company	Transmission Owner
Webster	John	Icetec.com, Inc.	Other Supplier
Wellborn	Samir	The Federal Energy Regulatory Commission	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Wolfe	Samuel	PSEG Energy Resources and Trade LLC	Transmission Owner
Wong	Bryant	Ventyx	Not Applicable
Yohannes	Mariam	Office of the Peoples Counsel for the District of Columbia	Not Applicable
York	Katherine	Tennessee Valley Authority (The)	Other Supplier

# PJM PARTICIPANTS

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Barrett	Francis	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Bell	Jerry	PJM Interconnection, LLC	Not Applicable
Boston	Terry	PJM Interconnection, LLC	Not Applicable
Bowe	Tom	PJM Interconnection,	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bratspis	David	PJM Interconnection, LLC	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Bruno	Patrick	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Dirani	Rami	PJM Interconnection, LLC	Not Applicable
Drauschak	Lisa	PJM Interconnection, LLC	
Duane	Vince	PJM Interconnection, LLC	Not Applicable
DuPont Kidd	Paula	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falco	Christine	PJM Interconnection, LLC	Not Applicable



Ford	Adrien	PJM Interconnection, LLC	Not Applicable
Foster	Denise	PJM Interconnection, LLC	Not Applicable
Freeman	Jennifer	PJM Interconnection, LLC	Not Applicable
Furey	Marie	PJM Interconnection, LLC	Not Applicable
Gledhill	Andrew	PJM Interconnection, LLC	Not Applicable
Hartung	Dean	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Herling	Steven	PJM Interconnection, LLC	Not Applicable
Horger	Tim	PJM Interconnection, LLC	Not Applicable
Horning	Lynn	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hugee	Jacqulynn	PJM Interconnection, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Kelley	Michael	PJM Interconnection, LLC	Not Applicable
Kendall	Ross	PJM Interconnection, LLC	Not Applicable
Kormos	Michael J.	PJM Interconnection, LLC	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
LaRocque	Matthew	PJM Interconnection, LLC	Not Applicable
Lusska	Kirsten	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLaverty	Megan	PJM Interconnection, LLC	Not Applicable
McLeod	lan	PJM Interconnection, LLC	Not Applicable
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Morelli	Lisa	PJM Interconnection, LLC	Not Applicable
Ott	Andrew L.	PJM Interconnection, LLC	Not Applicable
Quevada	Jason	PJM Interconnection, LLC	Not Applicable
Rothman	Richard	PJM Interconnection, LLC	Not Applicable
Sasser	Jonathan	PJM Interconnection, LLC	Not Applicable
Schmitt	Jeff	PJM Interconnection, LLC	Not Applicable
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Sechrist	Erin	PJM Interconnection, LLC	Not Applicable
Shparber	Steve	PJM Interconnection, LLC	Not Applicable
Slusser	Jeff	PJM Interconnection, LLC	Not Applicable
Snyder	Sue	PJM Interconnection, LLC	Not Applicable
Sotkiewicz	Paul	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Stotesbury	Christina	PJM Interconnection, LLC	Not Applicable



Swimm	Nora C.	PJM Interconnection, LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl	PJM Interconnection, LLC	Not Applicable
Ward	Mike	PJM Interconnection, LLC	Not Applicable
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
Withrow	David	PJM Interconnection, LLC	Not Applicable
Xu	Xu	PJM Interconnection, LLC	Not Applicable

#### ADMINISTRATION (9:00-9:05)

Mr. Kormos welcomed stakeholders to the meeting and Mr. Anders provided the Anti-trust and Code of Conduct announcements.

#### ENDORSEMENTS/APPROVALS

#### 1. DRAFT MINUTES (9:05-9:10)

Minutes of the June 26, 2014 Markets and Reliability Committee (MRC) meeting were <u>approved</u> by acclamation with no objections or abstentions.

#### 2. <u>PJM MANUALS (9:10-9:30)</u>

- A. Mr. Bryson presented proposed revisions to Manual 37: Reliability Coordination.
- B. This item was deferred to allow coordination with Midcontinent Independent System Operator.
- C. Mr. Sims presented proposed revisions to Manual 14B: PJM Region Transmission Planning Process to match the current solution based methodology.

Following discussion, the proposed revisions in items 2.A and 2.C were <u>endorsed</u> by acclamation with no objections and one abstention on item 2.C.

# 3. <u>SYSTEM RESTORATION STRATEGY SENIOR TASK FORCE (SRSTF) RECOMMENDATIONS (9:30-10:00)</u>

Ms. Hendrzak presented the proposed Black Start compensation changes and reliability backstop developed by the SRSTF. Following discussion, the proposed Tariff and Manual 27 revisions related to Black Start compensation were <a href="mailto:endosed">endorsed</a> by acclamation with two objections and two abstentions, and proposed Tariff and Manuals 14D and 36 revisions related to the reliability backstop were <a href="mailto:endosed">endorsed</a> by acclamation with no objections and two abstentions. As work on these issues has been completed the committee <a href="mailto:approved">approved</a> sunsetting the SRSTF with no objections or abstentions.

#### FIRST READINGS

# 4. PERFORMANCE ASSURANCE (10:00-10:30)

Mr. Boston discussed direction from the PJM Board of Managers related to capacity resource performance assurance, and the direction provided by the Board to implement the Enhanced Liaison Committee for resolution of the issue. Mr. Ott discussed the elements of the problem definition and other related cold weather and planning issues. Mr. Anders discussed the Enhanced Liaison Committee process and the schedule for its implementation.

# 5. RPM TRIENNIAL REVIEW (10:30-11:00)



Ms. Ford discussed the Tariff required triennial review of the Cost of New Entry, Energy and Ancillary Services Offset and VRR Curve. The committee may be asked to endorse proposed Tariff revisions at its next meeting.

# 6. REGIONAL PLANNING PROCESS SENIOR TASK FORCE (RPPTF) (11:00-11:15)

Mr. Barrett presented proposed Operating Agreement revisions related to the definition of the term "Supplemental Project." The committee will be asked to endorse the proposed revisions at its next meeting.

#### 7. AUCTION SPECIFIC TRANSACTIONS IN RPM (11:15-11:30)

Mr. Trayers, Citigroup Energy Inc., reviewed the proposed solution regarding changes the submission date of the newly approved problem statement and issue charge Auction Specific Transactions in RPM. Mr. Trayers requested that the first read requirement be waived and that the committee vote on the proposal at this meeting. There were no objections to this request, and following discussion the proposed Manual 18 revisions were <a href="mailto:endoscopies">endorsed</a> with no objections and five abstentions.

## 8. POWER METER AND IN-SCHEDULE DATA SUBMITTAL DEADLINES (11:30-11:45)

Mr. Hsia presented the results of the Market Settlements Subcommittee work regarding Power Meter and InSchedule data submittal deadlines. The committee will be asked to endorse the proposal at its next meeting.

# 9. <u>CAPACITY CONTRIBUTION RECONCILIATION (11:45-12:00)</u>

Ms. Kenney presented proposed Manual and Reliability Assurance Agreement changes from the Market Settlements Subcommittee that would allow Electric Distribution Companies to submit corrections to Peak Load Contribution and Network Service Peak Load assignments up to 12 noon on the next business day. The committee will be asked to endorse the revisions in at its next meeting.

# 10. RPM: CAPACITY IMPORT LIMITS – CTRS AND ICTRS (12:45-1:00)

Mr. Patrylo presented a proposed problem statement and issue charge related to RPM: Capacity Import Limits – CTRs and ICTRs. The committee will be asked to approve the proposed problem statement and issue charge at its next meeting.

#### 11. ENERGY / RESERVE PRICING & INTERCHANGE VOLATILITY UPDATE (1:00-1:15)

Ms. Morelli provided an update on the work of the energy and reserve pricing & interchange volatility special sessions of the MIC. A first read of proposed solutions will be provided at a future meeting.

# 12. <u>COMED SPS REMOVALS (1:15-1:30)</u>

Mr. Chamberlain, Mr. Eakins, and Mr. Summers (COMED) presented three ComEd SPS removals.

#### **13.** PJM MANUALS (1:30-1:45)

- A. Mr. Hsia reviewed changes to Manual 12: Balancing Operations. The committee will be asked to endorse these revisions at its next meeting.
- B. Mr. Sims discussed proposed revisions to Manual 14B: PJM Region Transmission Planning Process to include language that describes CETL easily resolved constraints. The committee will be asked to endorse these revisions at its next meeting.
- C. Mr. Langbein presented proposed conforming revisions to Manual 11: Energy & Ancillary Services Market Operations. The committee will be asked to endorse these revisions at its next meeting.

#### INFORMATIONAL REPORTS



## 14. 2014 COLD WEATHER RECOMMENDATIONS UPDATE (1:45-2:00)

Ms. Hendrzak provided an update on the 2014 Cold Weather Recommendations.

# 15. PJM – PROGRESS ENERGY CAROLINAS JOINT OPERATING AGREEMENT (JOA) (2:00-2:15)

Mr. Hoffman discussed pending revisions to the PJM – Progress Energy Carolinas JOA.

# 16. INTERREGIONAL COORDINATION UPDATE (2:00-2:15)

Mr. Williams gave an update on interregional coordination efforts primarily with the Midcontinent ISO, and the New York ISO.

## 17. EXPORT TRANSACTIONS CREDIT SCREENING (2:15-2:25)

Ms. Daugherty discussed a minor clarification to previously endorsed Tariff revisions related to Export Transactions Credit Screening.

#### 18. SMALL GENERATOR INTERCONNECTION PROCEDURES (SGIP) (2:25-2:35)

Mr. Eckenrod discussed proposed Tariff revisions prepared in compliance with FERC order 792.

#### **19**. PJM UPDATES (2:35-3:30)

- A. Dr. Sotkiewicz reviewed the report on market operations.
- B. Mr. Bryson reviewed the report on system operations.
- C. Mr. Duane reviewed the report on recent regulatory activities.

# 20. STAKEHOLDER GROUP REPORTS (3:30-3:45)

The following reports were posted with the meeting materials. These items were not presented separately, but time was allotted for questions on the individual reports.

- A. Market Implementation (MIC) Ms. Ford
- B. Operating Committee (OC) Mr. Bryson
- C. Planning Committee (PC) Mr. McGlynn
- D. Cost Development Subcommittee (CDS) Mr. Schmitt
- E. Regional Planning Process Task Force (RPPTF) Mr. Barrett
- F. System Restoration Strategy Task Force (SRSTF) Ms. Hendrzak
- G. Capacity Senior Task Force (CSTF) Mr. Ford
- H. Energy Market Up-lift Senior Task Force (EMUSTF) Mr. Anders
- I. Cap Review Senior Task Force (CRSTF) Ms. Ford
- J. FTR/ARR Senior Task Force (FTRSTF) Mr. Anders
- K. Gas Electric Senior Task Force (GESTF) Mr. McNamara

#### **FUTURE AGENDA ITEMS (3:45)**

No new future agenda items were identified.

#### **FUTURE MEETINGS**



 August 21, 2014
 9:00 AM
 Valley Forge, PA

 September 18, 2014
 9:00 AM
 Wilmington, DE

 October 30, 2014
 9:00 AM
 Wilmington, DE

 November 20, 2014
 9:00 AM
 Wilmington, DE

 December 18, 2014
 9:00 AM
 Wilmington, DE

Author: D.A. Anders

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