

Planning Committee
PJM Conference and Training Center
November 08, 2018
9:00 a.m. – 12:00 p.m.

Administration (9:00-9:15)

1. Mr. Ken Seiler, PJM, called the meeting to order and Ms. Anisha Fernandes, PJM, reviewed the Anti-trust, Code of Conduct, media participation, and WebEx guidelines.
2. Ms. Anisha Fernandes reviewed the Agenda for the November 08, 2018 Planning Committee meeting. The Planning Committee approved the Agenda.
3. Ms. Anisha Fernandes reviewed the draft minutes posted for the October 11, 2018 meeting and the Planning Committee approved the minutes.
4. Mr. Ken Seiler reviewed the PC Charter.

Endorsements (9:15-9:30)

5. **DER Ride Through Problem Statement & Issue Charge**
Dr. Emanuel Bernabeu, PJM, will present the inverter-based DER Ride Through Problem Statement and Issue Charge, and the revised IEEE 1547-2018 standard. **By vote of acclamation the Planning Committee endorsed the DER Ride Through Problem Statement & Issue Charge with 0 objections and 0 abstentions.**

First Reads (9:30-9:45)

6. **Manual 14E Review**
Ms. Lisa Krizenoskas, PJM, presented updates to Manual 14E Upgrade & Transmission Interconnection Requests. The committee will be requested to endorse these revisions at the next meeting.

Informational Updates (9:45-12:00)

7. **ELCC Analysis of Intermittent Resources**
Mr. Patricio Rocha-Garrido, PJM, reviewed the Effective Load Carrying Capability (ELCC) analysis and study results on wind and solar resources. Discussions around the results of the analysis followed. As a follow up to continue these discussions, a PC Special Session has been set up on November 26th from 9am-11:30am.
8. **Cost Commitment Status and Next Steps**
Mr. Mark Sims, PJM, discussed the status and next steps for the Consideration of Cost Commitment for Evaluation of Competitive Transmission Proposals.
9. **Order 841 and Energy Storage/DER**
Mr. Andrew Levitt, PJM, presented PJM's compliance with Order 841 with respect to ESR that are behind the customer meter and resilience ESR.

10. PJM Interconnection Queue Status Update

Ms. Brinda Malladi, PJM, provided an update on the status of PJM Interconnection Queues.

11. Submission of Dynamic Models

Mr. Kyle Clifford and Mr. Tao Yang, PJM, discussed moving to generic dynamic models instead of user defined dynamic models.

12. PC Special Session: Order 845 Compliance Requirements

Ms. Susan McGill, PJM, provided an update on the activities of the PC Special Session.

13. 2018 Summer Loads

Mr. Joseph Tutino, PJM, presented an overview of peak loads and weather experienced in the summer of 2018.

14. AEP Ratings

Mr. Kamran Ali, AEP, discussed updates to AEP Ratings methodology.

15. ODEC Planning Criteria Changes

Mr. John Donelson, ODEC, presented ODEC's planning criteria changes. Additional updates will be presented at next month's PC meeting.

16. PRC-001 Standard Update

Mr. Mark Kuras, PJM, provided a status update on the PRC-001 standard, protection coordination requirements and the revised procedure document.

17. Reliability Compliance Update

Mr. Christopher Moran, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF, including the upcoming RF Operations and Planning Audit at PJM in October 2019.

18. Model Build Activity Update

Mr. Kyle Clifford, PJM, provided an update regarding current model build activities, including the 2018 series MMWG/MOD-032 cases.

Future Meeting Dates

December 13, 2018	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
January 10, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
February 07, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
March 07, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
April 11, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
May 16, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
June 13, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
July 11, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
August 8, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
September 12, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
October 17, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
November 14, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
December 12, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx

Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes (Secretary)	PJM Interconnection, LLC	Not Applicable
Eric Laverty	Aces	Electric Distributor
Edward Achaab	AEP Energy Partners, Inc.	Other Supplier
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Greg Long	AK Steel Corporation	End User Customer
Daniel Vargo	Allegheny Electric Cooperative, Inc.	Electric Distributor
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Evan Wilcox	Appalachian Power Company	Transmission Owner
Kamran Ali	Appalachian Power Company	Transmission Owner
Dana Horton	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Markian Melnyk	Atlantic Grid Operations A, LLC	Other Supplier
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Ron Pezon	Borough of Chambersburg	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Aaron Martin	CMS Energy Resource Management Company	Other Supplier
Bill Allen	Commonwealth Edison Company	Transmission Owner
Kevin Chamberlain	Commonwealth Edison Company	Transmission Owner
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Joseph DeLosa	DE Public Service Commission	Not Applicable
Ruth Ann Price	Division of the Public Advocate of the State of Delaware	End User Customer
Bao Pham	Dominion Virginia Power	Transmission Owner
George Owens	Downes Associates, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Breanne Melius	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynegy Marketing and Trade, LLC	Generation Owner
Thomas Rutigliano	Earth Networks	Other Supplier
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nathan Bradley	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Amanda Stacy	East Kentucky Power Cooperative, Inc.	Transmission Owner
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Bruce Campbell	EnergyConnect, Inc.	Other Supplier
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Christopher Nokolny	Exelon Generation Co., LLC	Generation Owner
Chad Singer	Fellon McCord	Not Applicable
Sally Thomas	FirstEnergy Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Mike Borgatti	Gabel and Associates	Not Applicable
Travis Stewart	Gabel and Associates	Not Applicable
Donna Robichaud	Geenex	Not Applicable
Laurie Oppel	Grid Advisers Inc	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier



Draft Meeting Minutes

Kent Chandler	Kentucky Government	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Alexandra Salaneck	Monitoring Analytics	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Ed Benson	NextEra Energy Marketing LLC	Other Supplier
Stephen Gibelli	NextEra Energy Power Marketing, LLC	Generation Owner
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Steven Greco	Nextera Energy, Inc	Other Supplier
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Erik Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
Tom Schmidt	Ohio Electric Cooperatives	Not Applicable
Bill Squibb	Ohio Valley Electric	Generation Owner
John Donelson	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Bill Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Ron Slagel	Other	Not Applicable
Douglas Dale	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
David Anders	PJM Interconnection, LLC	Not Applicable
Madalyn Beban	PJM Interconnection, LLC	Not Applicable
Stephen Berger	PJM Interconnection, LLC	Not Applicable
Emanuel Bernabeu	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Nicole Bugay	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Kyle Clifford	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Nicolae Dumitriu	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Larry Farmer	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Bill Khashfe	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Mark Kurus	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Tawnya Luna	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Megan McLaverty	PJM Interconnection, LLC	Not Applicable
Molly Mooney	PJM Interconnection, LLC	Not Applicable
Christopher Moran	PJM Interconnection, LLC	Not Applicable
Medha Pai	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Patricio Rocha-Garrido	PJM Interconnection, LLC	Not Applicable
Jonathan Ruffin	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Susan Snyder	PJM Interconnection, LLC	Not Applicable



Draft Meeting Minutes

Michelle Souder	PJM Interconnection, LLC	Not Applicable
Joseph Tutino	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Xu Xu	PJM Interconnection, LLC	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Amber Thomas	PPL Electric Utilities Corp. dba PPL Utilities	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Orlando Marrero-Torres	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Phil Penny	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Cleveland Richards	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
William Schubert	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Ramesh Hariharan	PSC	Not Applicable
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Qamar Arsalan	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Roleto Mangonon	Rockland Electric Company	Transmission Owner
Brian O'Boyle	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
Andy Peebles	Saracen Energy East LP	Other Supplier
Gerry Binder	SESCO Enterprises LLC	Other Supplier
Kenneth Foladare	Tangibl	Not Applicable
Weili Yi	The Energy Authority, Inc	Not Applicable
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Edrissa Cham	Tradewind Energy, Inc.	Not Applicable
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Neil Joshipura	Virginia State Corporation Commission	Not Applicable
Ronnie Bailey	Virginia Electric & Power Company	Transmission Owner
James Wilson	Wilson Energy Economics	Not Applicable

Author: Anisha Fernandes