

**Planning Committee**  
**PJM Conference and Training Center**  
**April 11, 2019**  
**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 April 11, 2019 Planning Committee meeting. The Planning Committee approved the Agenda.
3. Ms. Anisha Fernandes reviewed the draft minutes posted for the March 07, 2019 meeting and the Planning Committee approved the minutes.
4. Mr. Ken Seiler reviewed the PC Work Plan.

## Endorsements (9:15-10:00)

### 5. **Manual 21 Proposed Revisions**

Mr. Jerry Bell, PJM, presented proposed revisions to PJM Manual 21 Rules & Procedures for Determination of Generating Capability related to generator testing. It was noted that discussion of the proposed revisions related to ELCC treatment of intermittent resources is deferred to the May PC meeting. **By vote of acclamation the Planning Committee endorsed the Manual 21 Proposed revisions with 2 objections and 1 abstention.**

### 6. **Market Efficiency Process Enhancement Task Force**

Mr. Brian Chmielewski, PJM, presented the Market Efficiency phase 2 proposal developed at the Market Efficiency Process Enhancement Task Force (MEPETF), and the associated PJM Manuals and OA revisions. An edit to the OA redline language was proposed, discussed and accepted during the meeting. The edited version has been posted with the 4/11/19 meeting materials.

**Endorsement 1: By vote of acclamation the Planning Committee endorsed the need for phase 3 of the MEPETF with 1 objection and 0 abstentions.**

**Endorsement 2: By vote of acclamation the Planning Committee endorsed the MEPETF phase 2 proposal, PJM Manuals and OA revisions with 0 objections and 0 abstentions.**

[Issue Tracking: RTEP Market Efficiency Analysis](#)

## First Reads (10:00-10:30)

### 7. **Benefit/Cost Analysis Problem Statement and Issue Charge**

Mr. Howard Haas, Monitoring Analytics, presented a Problem Statement and Issue Charge to review and discuss the current benefit/cost analysis process and solicit feedback from stakeholders. The PC Chair requested a revised Problem Statement to remove proposed solutions and also requested that interested stakeholders and PJM work together to develop a work plan for the outlined key activities by the next meeting. The Committee will be requested to endorse a revised version of the Problem Statement and Issue Charge at the next meeting.

## 8. Manual 07 Updates

Mr. Mark Kuras, PJM, presented updates to PJM Manual 07 PJM Protection Standards. The Committee will be requested to endorse these updates at the next meeting.

### Informational Updates (10:30-12:00)

## 9. Cost Commitment Status and Next Steps

Mr. Mark Sims, PJM, provided an update on the status and next steps for the Consideration of Cost Commitment for Evaluation of Competitive Transmission Proposals.

[Issue Tracking: Cost Containment](#)

## 10. FERC Order No. 845 Update

Ms. Susan McGill, PJM, provided an update on the FERC Order No. 845 Special PC session and pending reforms, noting that an additional Special PC session is scheduled on 5/2/19 to discuss the pending reforms prior to the filing deadline.

## 11. DER Ride Through Task Force Update

Ms. Susan McGill, PJM, provided an update on the activities of the DER Ride Through Task Force.

## 12. Model Build Activity Update

Mr. Kyle Clifford provided an update regarding current model build activities, including the 2019 series MMWG/MOD-032 cases.

## 13. Reliability Compliance Update

Mr. Preston Walker, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

## 14. RTEP Process Enhancements Update

Mr. Aaron Berner, PJM, provided an update concerning the activities of the PC Special Sessions around the subject of upgrade modeling in the RTEP.

### Information Only

## Manual 03 Updates

Mr. Lagy Mathew, PJM, was available to answer questions on updates to Manual 03 – Transmission Operations. Materials are posted as Information Only.

### Future Meeting Dates

April 12, 2019	1:00 p.m. – 4:00 p.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
April 16, 2019	1:00 p.m. – 4:00 p.m.	Special PC: Merchant Transmission and Off-Shore Wind	PJM Conference & Training Center/ WebEx
May 2, 2019	1:00 p.m. – 4:00 p.m.	Special PC: FERC Order 845	PJM Conference & Training Center/ WebEx
May 3, 2019	1:00 p.m. – 4:00 p.m.	Special PC: Merchant Transmission and Off-Shore Wind	PJM Conference & Training Center/ WebEx
May 16, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
May 31, 2019	1:00 p.m. – 4:00 p.m.	Special PC: Merchant Transmission and Off-Shore Wind	PJM Conference & Training Center/ WebEx
June 13, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
June 28, 2019	1:00 p.m. – 4:00 p.m.	Special PC: Merchant Transmission and Off-Shore Wind	PJM Conference & Training Center/ WebEx
July 11, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
July 12, 2019	9:00 a.m. – 12:00 p.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
July 24, 2019	1:00 p.m. – 4:00 p.m.	Special PC: Merchant Transmission and Off-Shore Wind	PJM Conference & Training Center/ WebEx
August 8, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx

September 12, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
October 11, 2019	9:00 a.m. – 12:00 p.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
October 17, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
November 14, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
December 12, 2019	9:00 a.m. – 12:00 p.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
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Nick Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Ryan Dolan	American Municipal Power	Electric Distributor
Ed Tatum	American Municipal Power	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Lisa McAlister	American Municipal Power, Inc.	Electric Distributor
Brock Ondayko	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Craig Lockwood	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
Brian Vayda	Borough of Park Ridge	Electric Distributor
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Greg Poulos	CAPS	Not Applicable
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Bill Allen	Commonwealth Edison Company	Transmission Owner
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ron Regner	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Lynn Horning	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Dwarakesh Nallan	Daymark Energy Advisors	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Mike Russ	Dayton Power & Light Company (The)	Transmission Owner
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Connie Lowe	Dominion Virginia Power	Not Applicable
Ryen Lawson	Dominion Virginia Power	Not Applicable
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Elizabeth Cook	Duquesne Light Company	Transmission Owner
Joe Pilch	Duquesne Light Company	Transmission Owner
Patrick Grau	Dyneegy Marketing and Trade, LLC	Generation Owner
Iker Chocarro	E.ON Climate & Renewables North America, Inc.	Generation Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Doug Copeland	EDF Trading North America, LLC	Other Supplier
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Jason Burwen	Energy Storage	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
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Kevin Thundiyil	Exelon Business Services Company, LLC	Transmission Owner
Arthur Brown	Exelon Corp	Transmission Owner
Aasawari Pawar	First Solar	Not Applicable
Tom Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner

Larre Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Ryan Leon	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Mike Borgatti	Gabel and Associates	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Rory Sweeney	GT Power Group	Not Applicable
Jeff Whitehead	GT Power Group	Not Applicable
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Mark Garza	Jersey Central Power & Light Company	Transmission Owner
Kent Chandler	Kentucky Government	Not Applicable
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
Howard Haas	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
Walter Clemence	NextEra Energy Resources	Not Applicable
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Fred Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Yang Wang	NiSource Inc	Not Applicable
Cathleen Colbert	NRG Power Marketing LLC	Other Supplier
Neal Fitch	NRG Power Marketing LLC	Other Supplier
Erik Heinle	Office of the Peoples Counsel for the District of Columbia	Generation Owner
Bill Squibb	Ohio Valley Electric	End User Customer
Adrien Ford	Old Dominion Electric Cooperative	Generation Owner
Gregory Carmean	OPSI	Electric Distributor
Regina Carrado	PECO Energy Company	Not Applicable
Douglas Dale	PECO Energy Company	Transmission Owner
Dale Douglas	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Transmission Owner
David Anders	PJM Interconnection, LLC	Not Applicable
Scott Baker	PJM Interconnection, LLC	Not Applicable
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable
Aaron Berner	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
Ilyana Dropkin	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
Thomas Falin	PJM Interconnection, LLC	Not Applicable
Lawrence Farmer	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Darrell Frogg	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Liem Hoang	PJM Interconnection, LLC	Not Applicable
Trung Hoang	PJM Interconnection, LLC	Not Applicable
Tim Horger	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Mark Kuras	PJM Interconnection, LLC	Not Applicable
Matt LaRocque	PJM Interconnection, LLC	Not Applicable
Jay Liu	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Lagy Mathew	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Niloufar Mirhosseini	PJM Interconnection, LLC	Not Applicable

Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Julia Spatafore	PJM Interconnection, LLC	Not Applicable
Mark Stanisz	PJM Interconnection, LLC	Not Applicable
Henry (Jack) Thomas	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Phil Yum	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Orlando Marrero-Torres	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Reynaldo Noel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
David Quier	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Cleveland Richards	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Christopher Szmodis	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Amber Thomas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
Cameron DeAngelis	Public Service Electric & Gas Company	Transmission Owner
Garan Gunn	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
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Jame Huang	Rockland Electric Company	Transmission Owner
Brian O'Boyle	Rockland Electric Company	Transmission Owner
Christen Smith	RTO Insider	Not Applicable
Gerry Binder	SESCO Enterprises LLC	Other Supplier
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Kenneth Foladare	Tangibl	Not Applicable
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Valerie Martin	The Federal Energy Regulatory Commission	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
David Essah	Virginia State Corporation Commission	Not Applicable
Ronnie Bailey	Virginia Electric & Power Company	Transmission Owner
Craig Crider	Virginia Electric & Power Company	Transmission Owner
Chris Mertz	Virginia Electric & Power Company	Transmission Owner
Chad Dixon	Viridity Energy, Inc.	Other Supplier

Author: Anisha Fernandes