

Load Analysis Subcommittee
Teleconference / Web conference
Monday, November 30, 2015
9:30 a.m. – 12:00 p.m. EPT

Administration

1. Mr. Reynolds opened the meeting and reviewed the agenda. Ms. Mooney performed roll call.
2. The Load Analysis Subcommittee reviewed and approved the draft minutes from the September 16, 2015 meeting. Minutes will be posted as final.
3. Summer 2015 Weather-Normalized Peaks. The subcommittee was directed to a posted file that contains the NCP and CP weather-normalized zonal peaks with details of diversity used in the new weather-normalized method.

Education

4. Distributed Solar Generation Forecast

Efforts to include distributed solar generation in the forecast were discussed. First, Wade Shafer from IHS presented the assumptions and results of their work to produce a forecast of installed behind-the-meter solar generation capacity forecast in PJM states.

Next, Ms. Cummings discussed how the IHS behind-the-meter solar forecast will be converted to zonal impacts at peak. Ms. Cummings described that back casted solar values would be calculated using the Generator Attribute Tracking System (GATS) data, weather data, and NREL data. The solar forecast from IHS is then used to produce a forecast of zonal impact at peak. The repurposed B8 table in the load forecast will include zonal impacts of distributed solar adjustments to summer peak loads, which include the converted IHS forecast and historical installations of distributed solar generation.

2016 Load Forecast Development

5. Peak Load Model Enhancements

Mr. Gledhill discussed the impact of using EER (Energy Efficiency Ratio) ratings vs SEER (Seasonal Energy Efficiency Ratio) ratings in the model. Navigant Consulting provided the method to convert SEER to EER and their presentation was posted with meeting materials. PJM reviewed accuracy analysis using the MAPEs on 10CP days to analyze the change. PJM concluded that using EER is more in line with performance at peak conditions and slightly improved accuracy and plans to verify calculations using AHRI data and use EER in the model.

6. Load Forecast Adjustments

Mr. Gledhill reviewed two proposed adjustments to the load forecast. More detail on these adjustments was requested and a follow up LAS meeting will be scheduled.

7. Preliminary 2016 Load Forecast

Mr. Gledhill reviewed the preliminary 2016 load forecast and highlighted the impact of economics, an additional year of load history, shortening the weather history in the simulation process, solar add backs, and saturation/efficiency data on the forecast results.

Mr. Reynolds concluded the meeting with future work PJM plans to do in 2016 including producing a whitepaper on the new forecast model and solar back casting method. PJM also plans to produce a load forecast accuracy report and review using Moody's or IHS economic data in the model.

Future Meeting Dates

TBD

In Attendance

Mark Harris	American Electric Power
Randy Holliday	American Electric Power
David Bloom	Baltimore Gas and Electric Company
John McDaniel	Baltimore Gas and Electric Company
Jessie Crozier	Bank of America Merrill Lynch
Sara Bishop	Calpine
Dave Scarpignato	Calpine
Keith Semrau	Cleveland Public Power
Dennis Kelter	Commonwealth Edison Company
Dan Griffiths	Consumer Advocates of PJM States
Guy Filomena	Customized Energy Solutions, Ltd
Carl Johnson	Customized Energy Solutions, Ltd
Jonathan Sasser	Customized Energy Solutions, Ltd
Yohannes Mariam	DC Office of People's Counsel
John Farber	DE Public Service Commission
Mike Hurd	Dayton Power and Light Company
Michael Erbrick	DhastCo, LLC
Billy Coyle	Dominion Virginia Power
Jeff Currier	Dominion Virginia Power
Michael Jesensky	Dominion Virginia Power
Catherine Lacy	Dominion Virginia Power
Abhijit Rajan	Dominion Virginia Power
Karim Siamer	Dominion Virginia Power
Leon Brunson	Duke Energy Ohio, Inc.
Chuck Dugan	East Kentucky Power Cooperative, Inc.
Sally Witt	East Kentucky Power Cooperative, Inc.
Jeffrey Slaughter	EDF Trading North America, LLC

Bruce Campbell	EnergyConnect, Inc.
Gina Jardot	Essential Power Rock Springs, LLC
Shrikant Iyer	Exelon Generation Co., LLC
Sharon Midgley	Exelon Generation Co., LLC
Jim Benchek	FirstEnergy Corporation
Martin Bolan	FirstEnergy Corporation
Lou D'Alessandris	FirstEnergy Corporation
Debbie Kanner	FirstEnergy Corporation
Bill Moll	FirstEnergy Corporation
Jon Schneider	FirstEnergy Corporation
Derek Hagaman	GT Power Group
David Pratzon	GT Power Group
Wade Shafer	IHS
Kenneth Foladare	IMG Midstream LLC
Alan Nasr	ITC Transco
James Peters	ITC Transco
Megan Wisersky	Madison Gas & Electric Company
Bob O'Connell	Main Line Electricity Market Consultants
Dave Mabry	McNees Wallace & Nurick LLC
Decker Ringo	Navigant
Ken Seiden	Navigant
Peter Chiulli	NextEra Energy Power Marketing, LLC
George Kogut	New York Power Authority
James Manning	North Carolina Electric Membership Corporation
Jennifer Chen	NRDC
Neal Fitch	NRG Power Marketing LLC
Greg Carmean	OPSI
Gloria Godson	Pepco Holdings
Kimberly Golden	PPL Electric Utilities Corp.
James Jablonski	Public Power Authority of New Jersey
Frank Czigler	Public Service Electric & Gas Company
Ray DePillo	Public Service Electric & Gas Company
Stephen Wreschnig	Public Service Electric & Gas Company
Debbie Gebolys	Public Utility Commission of Ohio
John Fernandes	Renewable Energy Systems Americas
Tom Hoatson	Riverside Generating, LLC
Roleto Mangonon	Rockland Electric Company
Jordan Nader	RunnerStone, LLC
Doug Hurley	Synapse Energy Economics, Inc.
Paul Peterson	Synapse Energy Economics, Inc.
Feliks Kerman	Visium Funds



Meeting Minutes

James Wilson
Mike Jacobs

Wilson Energy Economics
Xtreme Power

PJM Staff

John Reynolds, Chairman
Bridgid Cummings
Tom Falin
Andrew Gledhill
Risa Holland
Susan Kenney
Melissa Maxwell
Jason Quevada
Patricio Rocha-Garrido
Ken Schuyler
Molly Mooney, Secretary

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