Meeting Minutes

Load Analysis Subcommittee
Teleconference / Web conference
Wednesday, March 14, 2018
1:00 p.m. – 4:00 p.m. EPT

Administration

1. Mr. John Reynolds opened the meeting and reviewed the agenda. Ms. Molly Mooney announced that attendance would be captured from the WebEx sign-in and noted the PJM rules for proper identification using full first and last name within WebEx.

2. The Load Analysis Subcommittee reviewed and approved the draft minutes from the November 15 2017 meeting. No changes were requested. Minutes will be posted as final. Ms. Mooney reviewed two items from the 2017 load forecast report that have been updated. The statistical appendix now reflects the correct five year average for residential, commercial and industrial weightings. The summer 2017 RTO peak in table F-1 is missing load from EKPC. Neither of these items impacted the model or model results.

Load Forecast Model Development

3. Distributed Solar Generation Backcast

Dr. Dan Kirk-Davidoff from AWS-Truepower presented the methodology and results of an effort to estimate the historical output of behind-the-meter solar generation in PJM zones. These estimates of historical output of behind-the-meter solar generation capacity will be added back to the unrestricted loads used in the long term load forecast model. Ms. Mooney laid out PJM’s plan to analyze and use the new data in the load forecast model.

4. Potential Load Forecast Enhancements

Mr. Andrew Gledhill continued the discussion on potential changes to the forecast model structure that was introduced in November 2017. Mr. Gledhill described some of the specifics on how this new model structure would be laid out with a baseload component and weather sensitive load component. The assumptions and methods used to produce baseload history/forecast were presented at this meeting.

5. Load Forecast Model Estimation Period

Mr. Gledhill discussed the disconnect between the weather normal value and the first year of the forecast. PJM believes some of the problem is due to the weather normalized value being low and the other part is due to error in the forecast model that showed a slight increase this past summer. Mr. Gledhill showed what the RTO summer forecast would look like if the historical loads used in the estimation of the model were shortened from 19 years to 15 years and 10 years. PJM does not believe this alone will solve the disconnect from WN to first year of the forecast and that shortening of history limits the model’s ability to accurately estimate parameters across business and weather cycles.
6. ComEd Voltage Optimization Program

Mr. Reynolds discussed PJM’s effort to recognize the impact of ComEd’s upcoming Voltage Optimization program and its impact on the load forecast model. He asked that if other zones are implementing similar programs to let PJM know.

Informational Update

7. Review of Winter 2017/18 Load

Mr. Reynolds reviewed peak loads and weather from winter 2017/18. The load data through January shows the five peak days in early January. The weather on the peak day was more extreme in PJM’s eastern zones and less extreme in the western zones. Final winter peaks will be available once loads are complete through February.

In Attendance

- Ryan Dolan
- Chad Burnett
- Scott Fisher
- Jerod Marker
- Brock Ondayko
- Daniel Kirk-Davidoff

- Joe LeFevre
- Grace Coyle
- John McDaniel
- David Apostol
- Dennis Kelter

- Robert Zacher
- Rehan Gilani
- Guy Filomena
- Carl Johnson
- Jonathan Sasser
- Joseph DeLosa
- David Hastings
- William Coyle
- Jeff Matzen
- Abhijit Rajan
- Karim Siamer
- Chuck Dugan
- Sally Witt
- Malcolm Ainspan
- Sharon Midgley
- Jim Benchek

AEP Energy Partners, Inc.
American Electric Power
American Electric Power
American Electric Power
Appalachian Power Company
AWS Truepower
AWS Truepower
Baltimore Gas and Electric Company
Baltimore Gas and Electric Company
Commonwealth Edison Company
Commonwealth Edison Company
Commonwealth Edison Company
ConEdison Energy, Inc.
Customized Energy Solutions, Ltd
Customized Energy Solutions, Ltd.
DE Public Service Commission
DhastCo, LLC
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
East Kentucky Power Cooperative, Inc.
East Kentucky Power Cooperative, Inc.
Energy Curtailment Specialists, Inc.
Exelon Generation Co., LLC
FirstEnergy Corporation
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<tr>
<th>Name</th>
<th>Company/Organization</th>
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<tr>
<td>Martin Bolan</td>
<td>FirstEnergy Corporation</td>
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<td>Debbie Kanner</td>
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<td>David Marton</td>
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<td>Bill Moll</td>
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<td>Tom Hyzinski</td>
<td>GT Power Group</td>
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<td>David Pratson</td>
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<td>Tom Hoatson</td>
<td>LS Power</td>
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<td>Megan Wisersky</td>
<td>Madison Gas &amp; Electric Company</td>
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<td>Dave Mabry</td>
<td>McNees Wallace &amp; Nurick LLC</td>
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<td>Zack Heideman</td>
<td>Michigan Public Service Commission</td>
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<td>George Kogut</td>
<td>New York Power Authority</td>
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<td>Adrien Ford</td>
<td>Old Dominion Electric Cooperative</td>
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<td>Gregory Carmean</td>
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<td>Ron Slagel</td>
<td>Other</td>
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<td>Leonid Lyakhovich</td>
<td>Public Service Electric &amp; Gas Company</td>
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<td>Stephen Wreschnig</td>
<td>Public Service Electric &amp; Gas Company</td>
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<td>James Wilson</td>
<td>Wilson Energy Economics</td>
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<td><strong>PJM Staff</strong></td>
<td><strong>PJM Interconnection, L.L.C.</strong></td>
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<td>John Reynolds, Chairman</td>
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<td>David Anders</td>
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<td>Tom Falin</td>
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<td>Andrew Gledhill</td>
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<td>Bill Khashfe</td>
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<td>Amanda Long</td>
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<td>Jason Quevada</td>
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<td>Patricio Rocha-Garrido</td>
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<td>Ken Schuyler</td>
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<td>Molly Mooney, Secretary</td>
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Author: Molly Mooney  
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