

**Resource Adequacy Analysis Subcommittee  
Conference Call/WebEx  
September 6, 2018  
1:30 p.m. – 2:30 p.m. EST**

## Administration

Mr. Falin opened the meeting and reviewed the agenda. Mr. Quevada performed roll call. The meeting minutes from the July 6, 2018 meeting were approved and will be posted as final.

## 2018 RRS Preliminary Results and Discussion

Mr. Rocha-Garrido presented the preliminary results of the 2018 Reserve Requirement Study (RRS) analysis. The 2018 Capacity Model is driving the decrease in IRM and FPR. Specifically, the standard deviation of the RTO-wide Forced Outages distribution in the 2018 RRS is less than in the 2017 RRS (1.2 % vs 1.3 %). This reduction in standard deviation can be attributed to a lower average unit size (121 MW in 2018 RRS vs 129 MW in 2017 RRS). Therefore, it can be concluded that the 2018 RRS Capacity Model has less uncertainty than the 2017 RRS Capacity Model, resulting in a lower IRM and FPR.

The results of the 2018 RRS are summarized below:

### 2018 RRS Study results:

RRS Year	Delivery Year Period	Calculated IRM	Recommended IRM	Average EFORd	Recommended FPR*
2018	2019 / 2020	15.80%	<b>15.8%</b>	6.08%	<b>1.0876</b>
2018	2020 / 2021	15.73%	<b>15.7%</b>	6.04%	<b>1.0871</b>
2018	2021 / 2022	15.68%	<b>15.7%</b>	6.01%	<b>1.0875</b>
2018	2022 / 2023	15.50%	<b>15.5%</b>	5.90%	<b>1.0869</b>

## Future Meeting Dates (4:20-4:30)

October 4, 2018

3:00 pm - 4:00 pm

WebEx/Teleconference

## WebEx/Teleconference Attendees

### Name

Tom Falin (Chair)  
Jason Quevada (Secretary)  
Jim Benchek  
Guy Filomena  
Jonathan Sasser  
Malcolm Ainspan  
Sharon Midgely  
Jon Schneider

### Company

PJM Interconnection, LLC  
PJM Interconnection, LLC  
American Transmission Systems, Inc.  
Customized Energy Solutions, Ltd.  
Customized Energy Solutions, Ltd.  
Energy Curtailment Specialists, Inc.  
Exelon Business Services Company, LLC  
FirstEnergy Solutions Corp.



# Meeting Minutes

Lou D'Alessandris  
Tom Hyzinski  
David Johnston  
David Mabry  
Adrien Ford  
Andrew Gledhill  
John Reynolds  
Joseph Tutino  
Molly Mooney  
Murty Bhavaraju  
Patricio Rocha-Garrido  
Tom Hoatson  
Kenneth Foladare  
James Wilson

FirstEnergy Solutions Corp.  
GT Power Group  
Indiana Utility Regulatory Commission  
McNees Wallace & Nurick LLC  
Old Dominion Electric Cooperative  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Riverside Generating, LLC  
Tangibl  
Wilson Energy Economics

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