



# 2017 IRM Study Preliminary Results



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September 28, 2017

- Study results will re-set IRM for 2018/19, 2019/20, 2020/21 and establish initial IRM for 2021/22.
- GADS data based on 2012-2016 time period.
- PJM and World load models based on 2003-2012 time period and 2017 PJM Load Forecast.
- Study assumptions were endorsed at June, 2017 PC meeting.
- Load Model selection was endorsed at July, 2017 PC meeting.



# 2017 RRS Results vs 2016 RRS Results

## 2017 RRS Study results:

RRS Year	Delivery Year Period	Calculated IRM	Recommended IRM	Average EFORD	PJM August-to-July Peak Ratio*	World Peak Ratio at PJM Peak**	Recommended FPR***
2017	2018 / 2019	16.06%	<b>16.1%</b>	6.07%	97.0%	97.4%	<b>1.0905</b>
2017	2019 / 2020	15.92%	<b>15.9%</b>	5.99%	97.0%	97.4%	<b>1.0896</b>
2017	2020 / 2021	15.88%	<b>15.9%</b>	5.97%	97.0%	97.4%	<b>1.0898</b>
2017	2021 / 2022	15.77%	<b>15.8%</b>	5.89%	97.0%	97.4%	<b>1.0898</b>

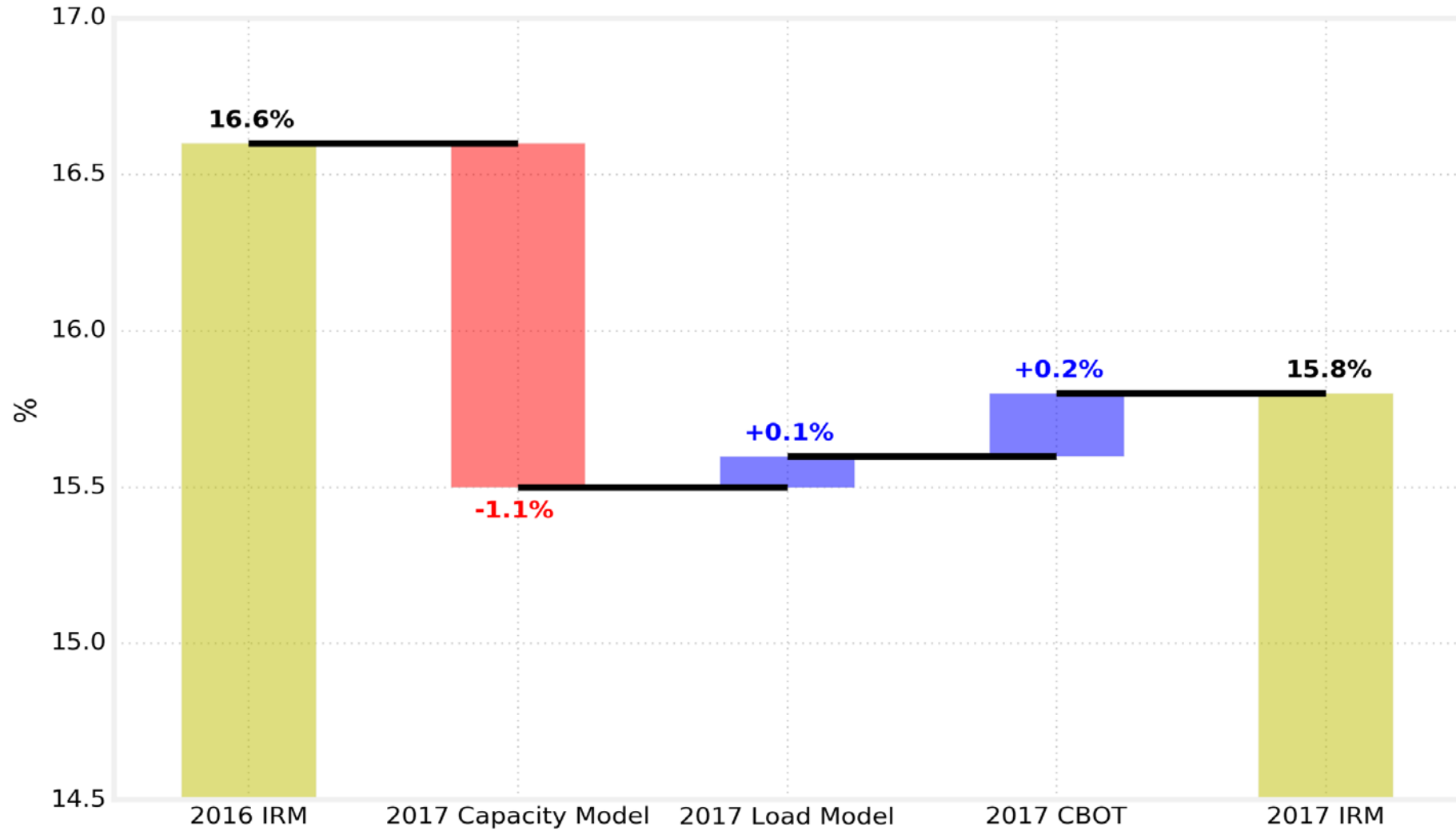
## 2016 RRS Study results:

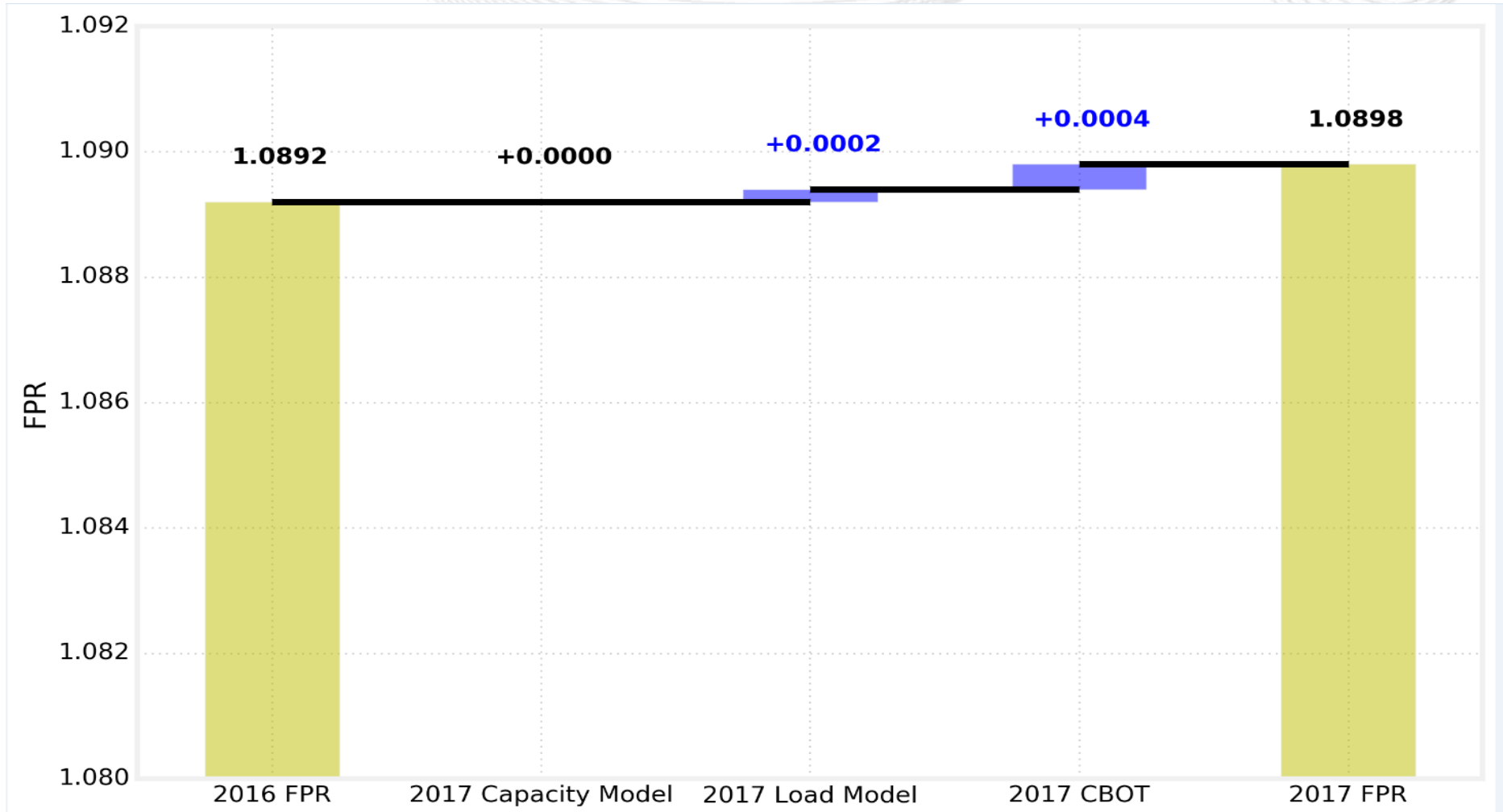
RRS Year	Delivery Year Period	Calculated IRM	Recommended IRM	Average EFORD	PJM August-to-July Peak Ratio*	World Peak Ratio at PJM Peak**	Recommended FPR***
2016	2017 / 2018	16.60%	<b>16.6%</b>	6.54%	96.9%	97.0%	<b>1.0897</b>
2016	2018 / 2019	16.67%	<b>16.7%</b>	6.59%	96.9%	97.0%	<b>1.0901</b>
2016	2019 / 2020	16.64%	<b>16.6%</b>	6.59%	96.9%	97.0%	<b>1.0892</b>
2016	2020 / 2021	16.64%	<b>16.6%</b>	6.59%	96.9%	97.0%	<b>1.0892</b>

\* PJM August-to-July Peak Ratio: PJM's August Peak as percentage of PJM's Annual Peak (which occurs in July)

\*\* World Peak Ratio at PJM Peak: World's Peak as percentage of World's Annual Peak at PJM's Annual Peak

\*\*\* FPR = (1 + IRM)\*(1 - Average EFORD)

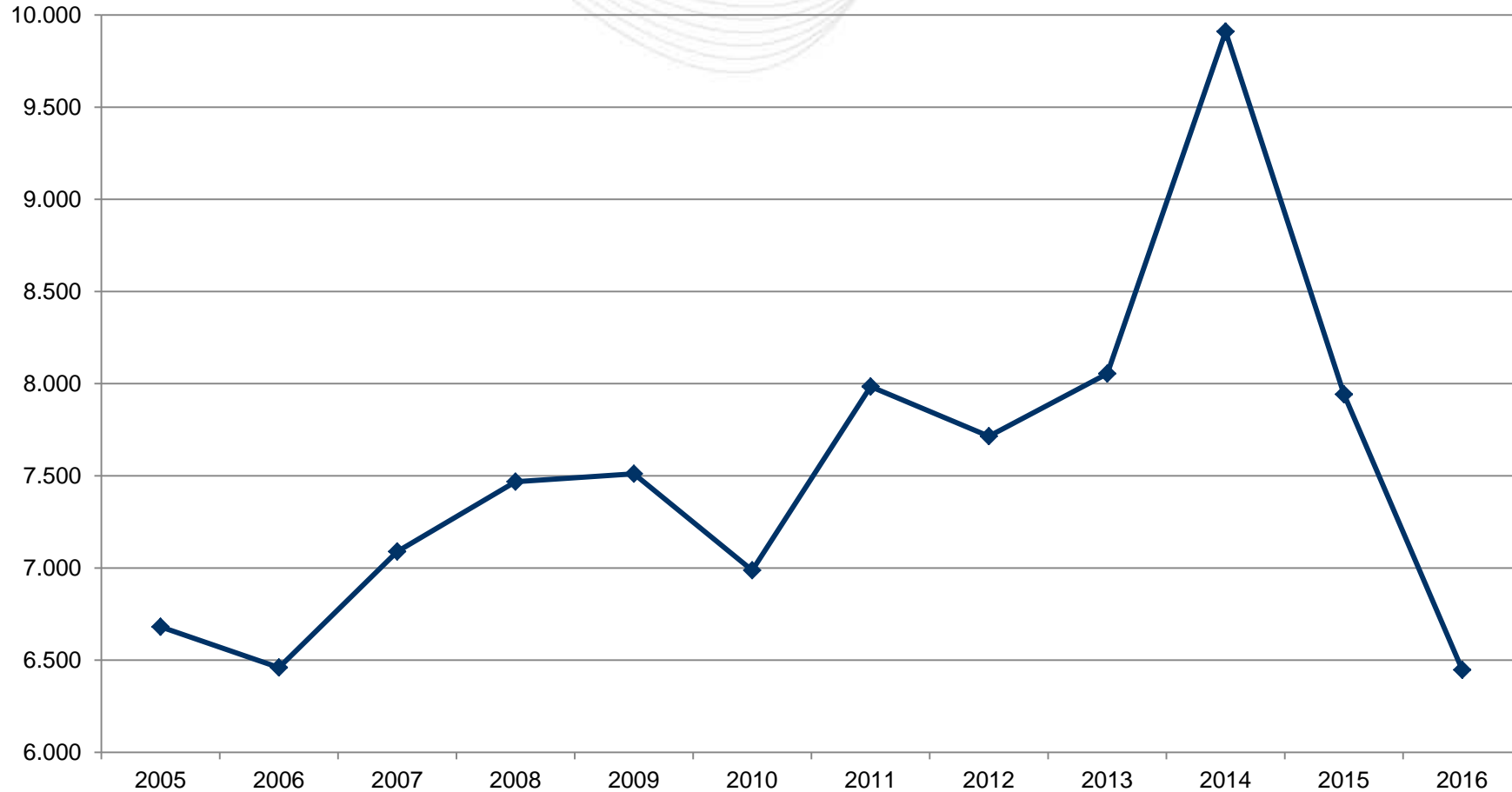




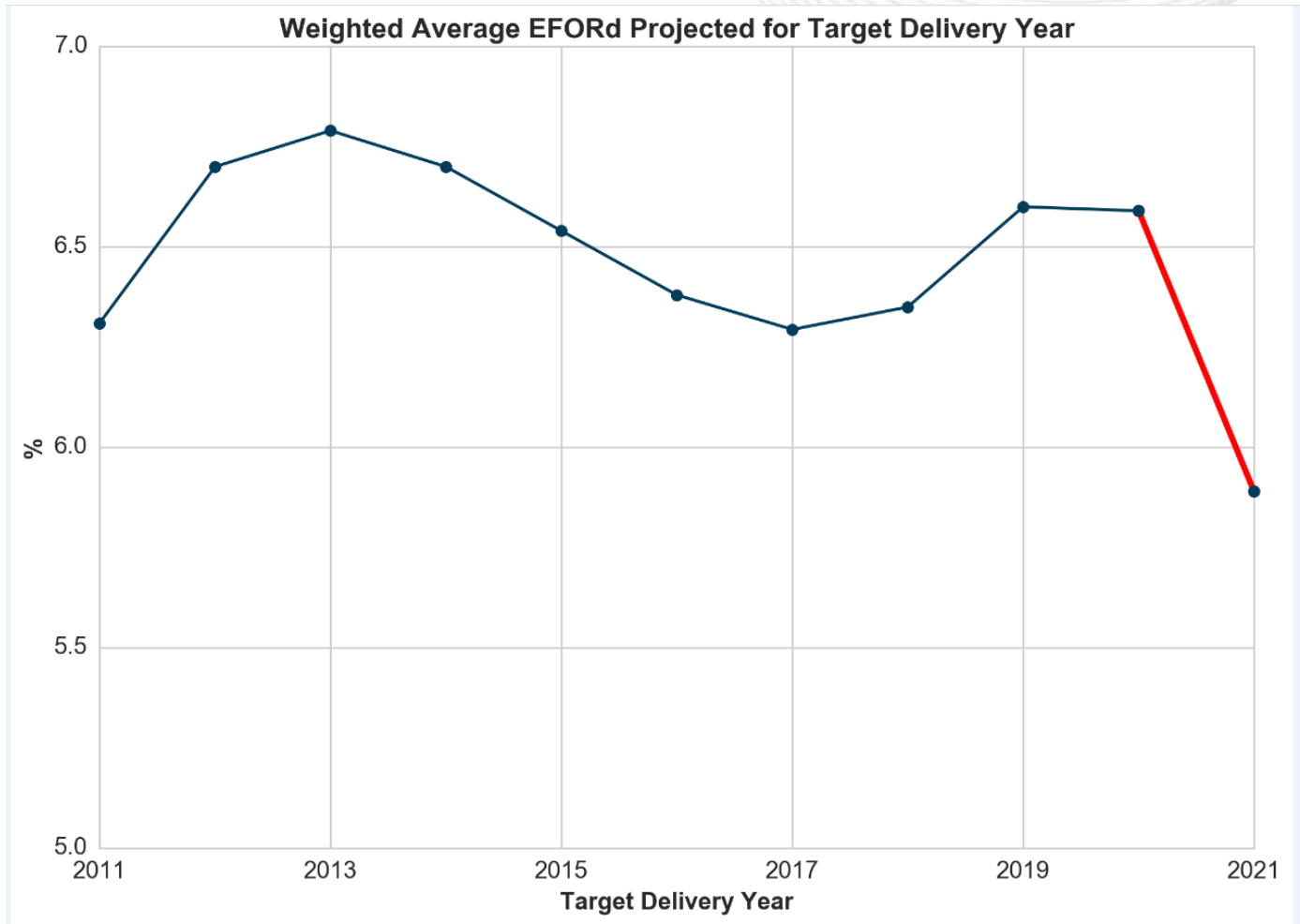


# PJM Weighted-Average EFORd by Calendar Year

## Capacity Weighted Equivalent Demand Forced Outage Rate (EFORd) (%)



# Weighted-Average EFORd Projected for DY



Drop in Weighted Average EFORd Projected for 2021 is due to:

- Large amount of deactivations with high EFORd (**7,150 MW** with **14.56%** Weighted Average EFORd).
- Large amount of additions with low EFORd (**16,980 MW** with **4.42%** Weighted Average EFORd). Additions include only those queue projects that have executed an Interconnection Service Agreement.

- Sep 28 - MRC: Review of IRM Study preliminary results
- Oct. 4 – RAAS: Review of final report and vote on recommendation to the PC
- Oct. 12 – PC: Review of final report and vote on recommendation to the MRC
- **Oct. 26 – MRC: Vote on recommendation to the MC**
- Dec. 7 – MC: Vote on recommendation to the Board
- Dec. - PJM Board: Final Approval of IRM and associated parameters