



# 2020 RRS Preliminary Assessment Results

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RAAS

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- Study results will re-set the IRM and FPR for 2021/22, 2022/23, 2023/24 and establish initial IRM and FPR for 2024/25.
  - The Study results will be used in the 2022/23, 2023/24 and 2024/25 BRAs
- Capacity model built with GADS data from 2015-2019 time period for all weeks of the year except the winter peak week.
  - For the winter peak week, the capacity model is created using historical actual RTO-aggregate outage data from time period DY 2007/08 – DY 2019/20 (in addition, data from DY 2013/14 was dropped and replaced with data from DY 2014/15)
- PJM and World load models based on 2002-2014 time period and 2020 PJM Load Forecast (released in January).
- Study assumptions were endorsed at June, 2020 PC meeting.
- Load Model selection was endorsed at July, 2020 PC meeting.

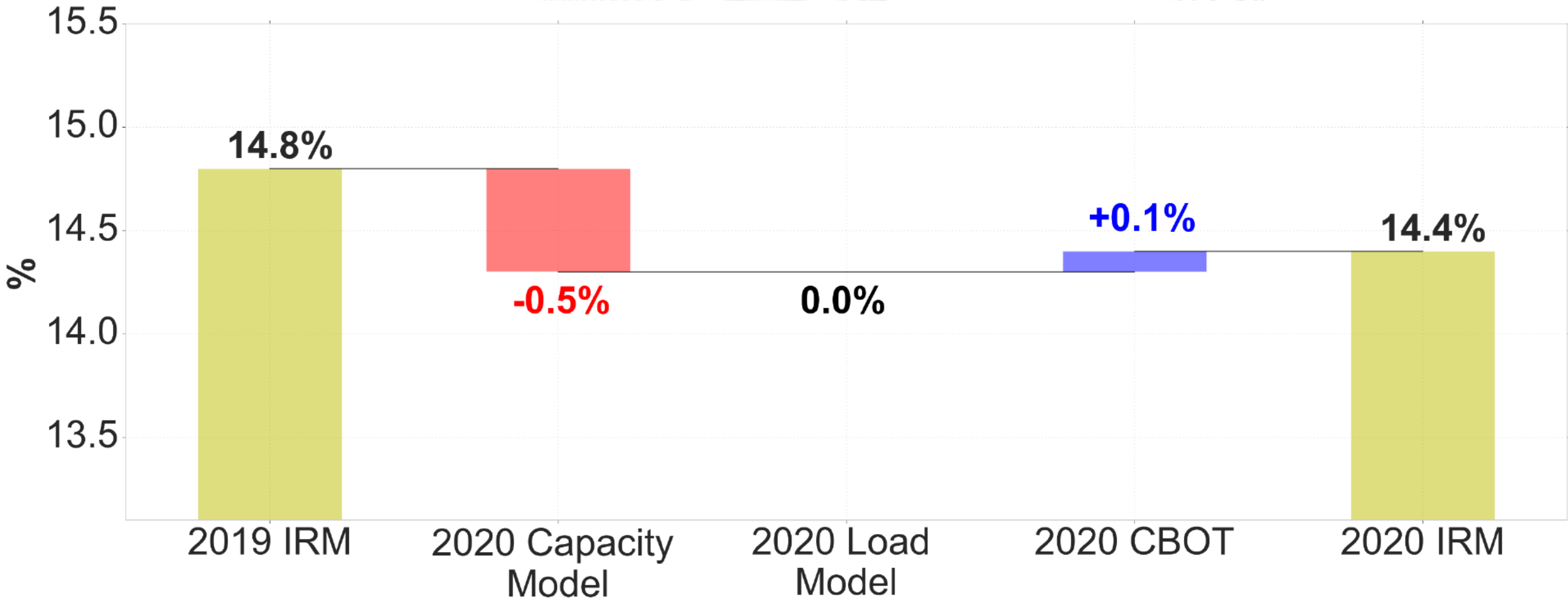
## 2020 RRS Study results:

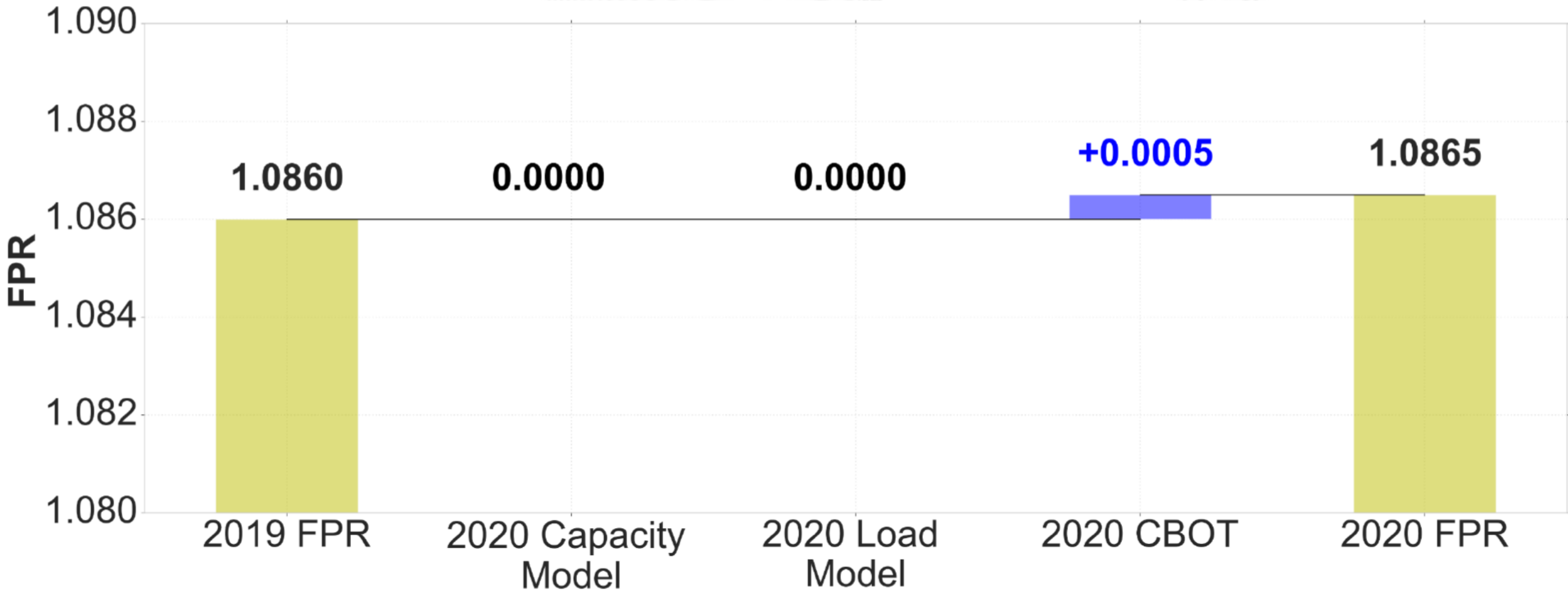
RRS Year	Delivery Year Period	Calculated IRM	Recommended IRM	Average EFORD	Recommended FPR*
2020	2021 / 2022	14.73%	<b>14.7%</b>	5.22%	<b>1.0871</b>
2020	2022 / 2023	14.51%	<b>14.5%</b>	5.08%	<b>1.0868</b>
2020	2023 / 2024	14.42%	<b>14.4%</b>	5.04%	<b>1.0863</b>
2020	2024 / 2025	14.39%	<b>14.4%</b>	5.03%	<b>1.0865</b>

## 2019 RRS Study results:

RRS Year	Delivery Year Period	Calculated IRM	Recommended IRM	Average EFORD	Recommended FPR*
2019	2020 / 2021	15.46%	<b>15.5%</b>	5.78%	<b>1.0882</b>
2019	2021 / 2022	15.14%	<b>15.1%</b>	5.56%	<b>1.0870</b>
2019	2022 / 2023	14.89%	<b>14.9%</b>	5.42%	<b>1.0867</b>
2019	2023 / 2024	14.84%	<b>14.8%</b>	5.40%	<b>1.0860</b>

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





- The 2020 Capacity Model is driving the decrease in the IRM.
  - The Average EEFORd in the 2020 RRS (for DY 2024) is 5.78% whereas in the 2019 RRS (for DY 2023) was 6.03 %
  - The lower Average EEFORd in the 2020 RRS is caused by a lower average EEFORd of the generation classes more heavily represented in the study i.e., combined cycle units and gas turbines
- The 2020 Capacity Benefit of Ties (CBOT) puts upward pressure on both the IRM and the FPR
  - The CBOT decreased from 1.6% (2019 RRS) to 1.5% (2020 RRS)

- Sep 1, PC: review of RRS preliminary results
- Sep, RAAS: distribution of final report, request for endorsement of recommended IRM and FPR for DY's 2021, 2022, 2023, and 2024
- Oct, PC: vote on IRM and FPR
- Oct-Nov, MRC and MC: review and vote on IRM and FPR
- Dec, PJM Board: final approval

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Reserve Requirement Study



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