

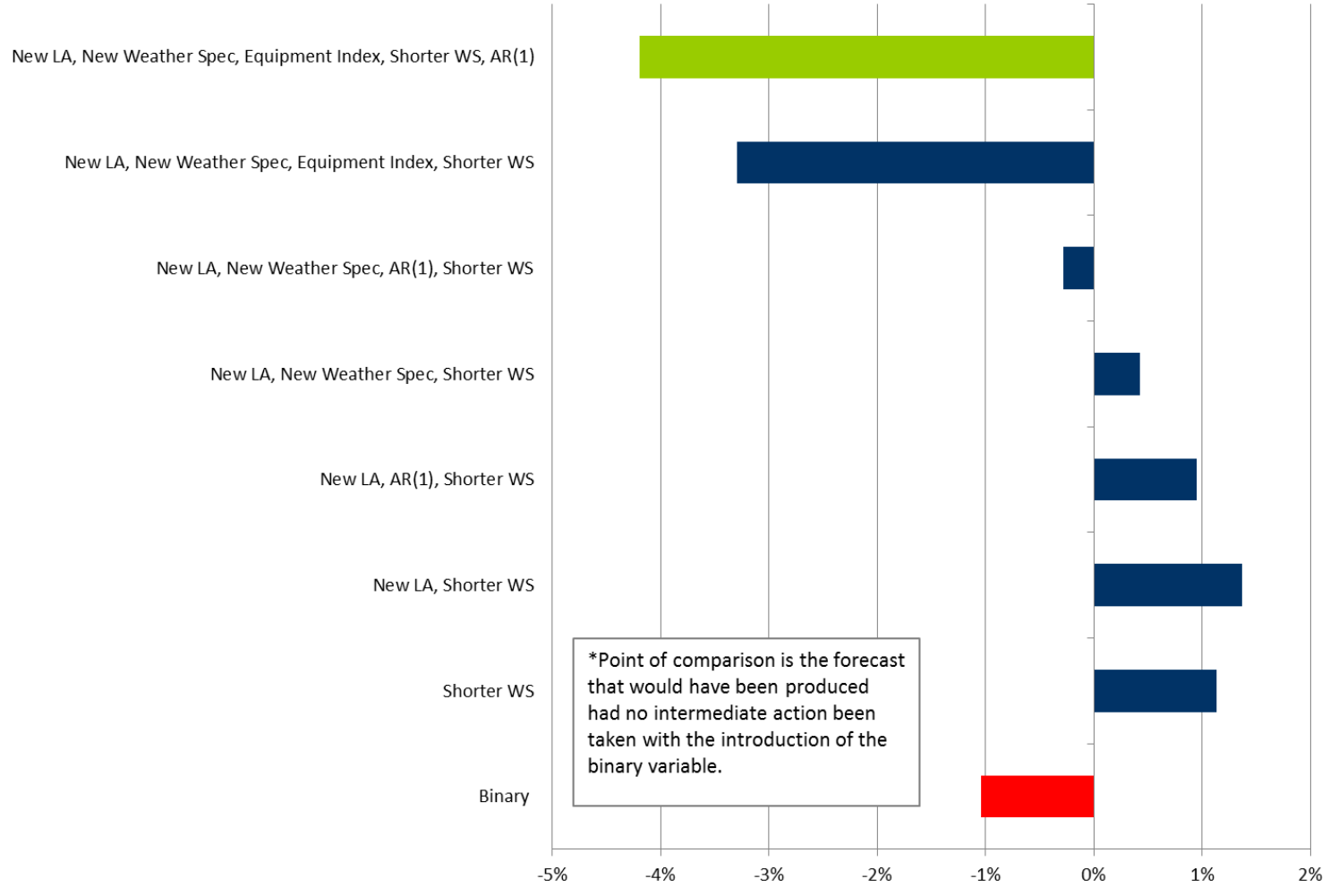


Preliminary 2016 Load Forecast

Load Analysis Subcommittee
November 30, 2015

- 2016 Load Forecast Review
 - Model Parameters
 - Results
 - Decomposition of Change
- Next Steps

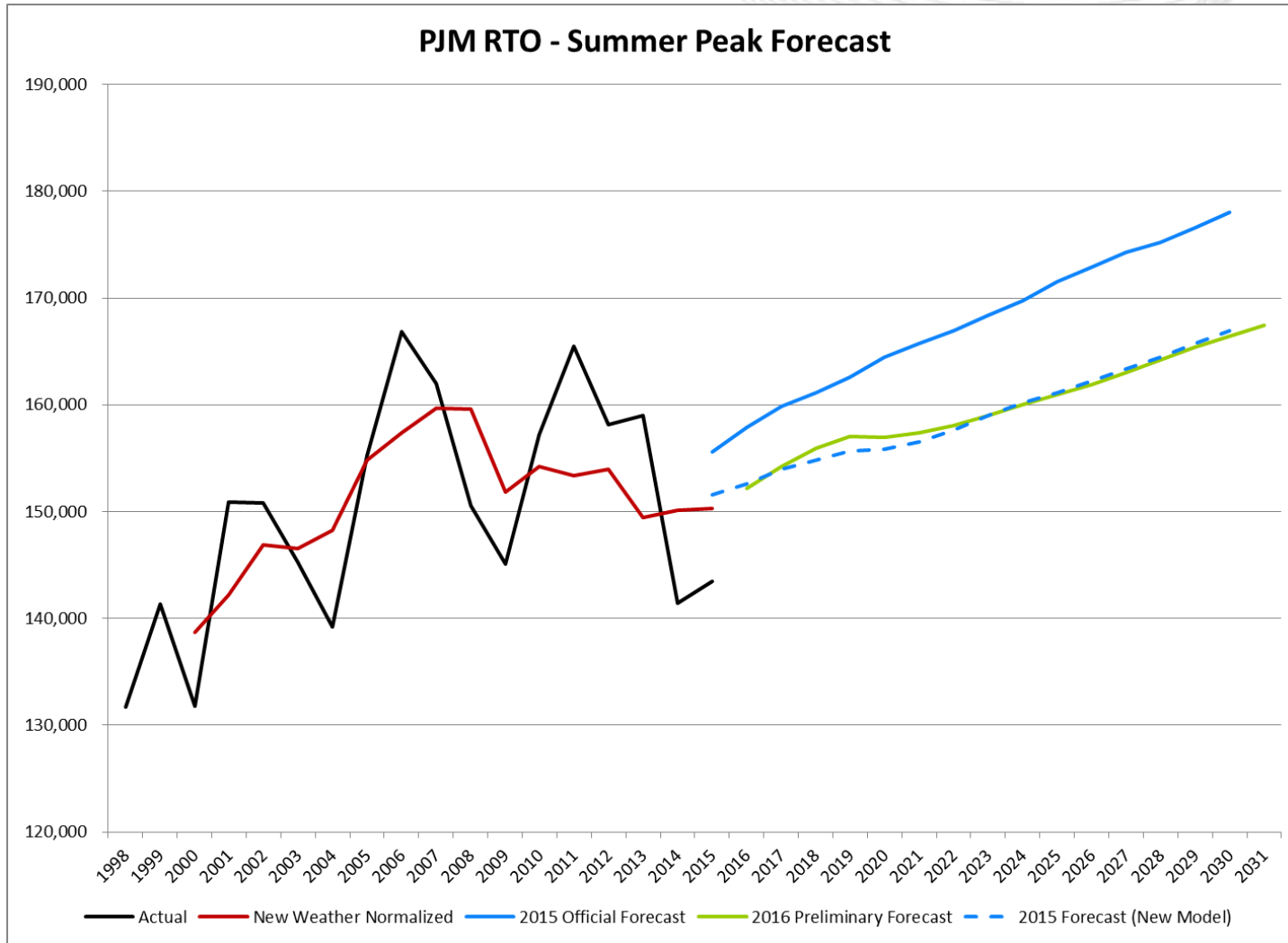
Percentage Impact to 2018 Summer Forecast*



This slide is from the September LAS meeting.

Shows the impact of the model changes endorsed by PC/MRC.

- Estimation Period: January 1998 through August 2015
- Weather Simulation: 1994 to 2014 (273 Scenarios)
- Economics: October 2015 vintage from Moody's Analytics
- Equipment Indices: Based on Itron's 2015 release
 - Reflect the EIA's 2015 Annual Energy Outlook
- PJM Solar Addbacks & IHS Solar Forecast (zonal & peak allocation by PJM)
- Forecast Adjustments
 - Dominion: Revised adjustment related to data center growth
 - APS: Adjustment related to gas processing facilities



2019 Comparison

2015 Forecast to 2016 Prelim
= Down 3.5%

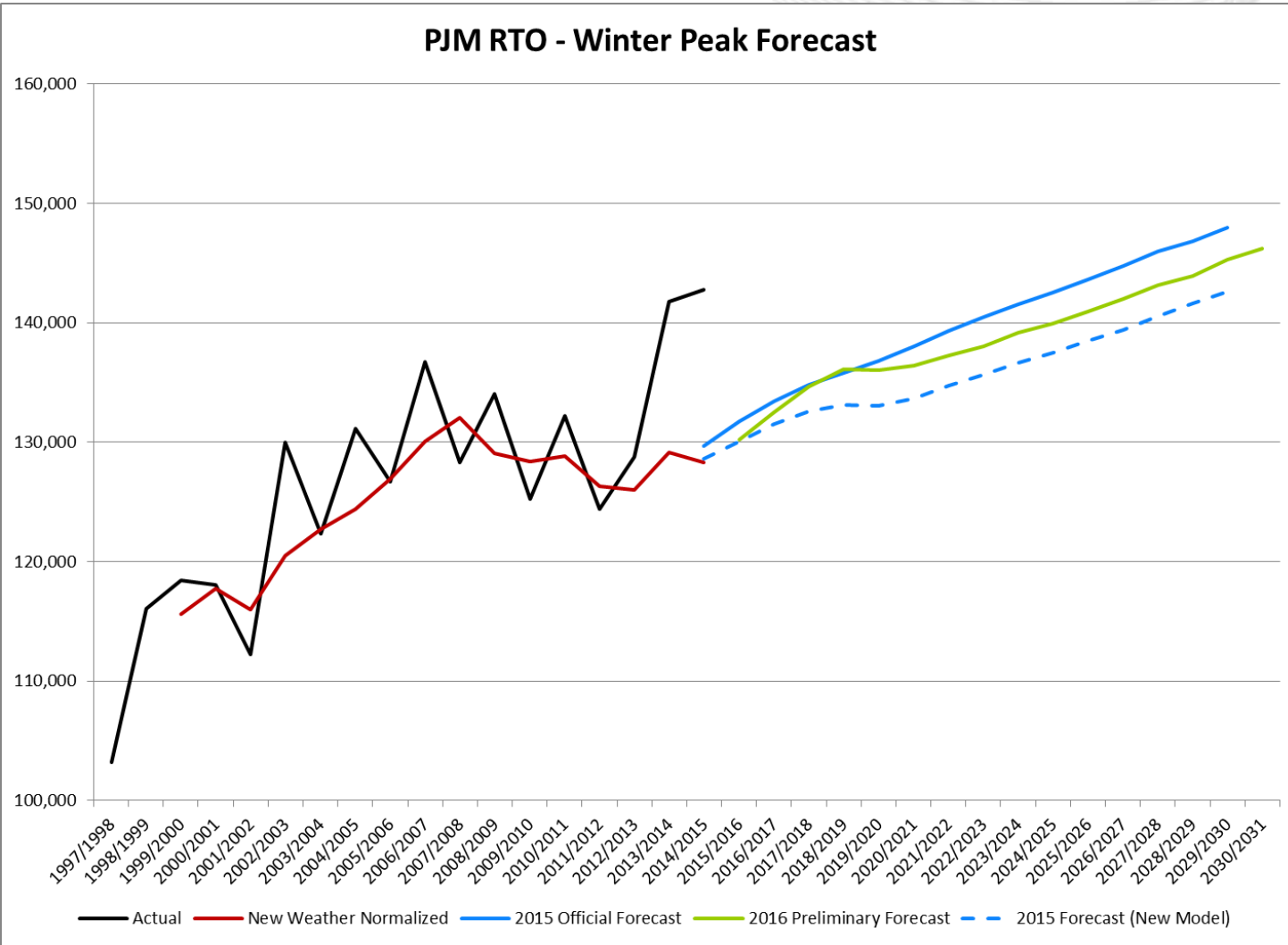
2015 Forecast (New Model)
to 2016 Prelim
= Up 0.9%

2021 Comparison

2015 Forecast to 2016 Prelim
= Down 5.1%

2015 Forecast (New Model)
to 2016 Prelim
= Up 0.5%

PJM RTO - Winter Peak Forecast



2019 Comparison

2015 Forecast to 2016 Prelim
= Down 0.6%

2015 Forecast (New Model)
to 2016 Prelim
= Up 2.3%

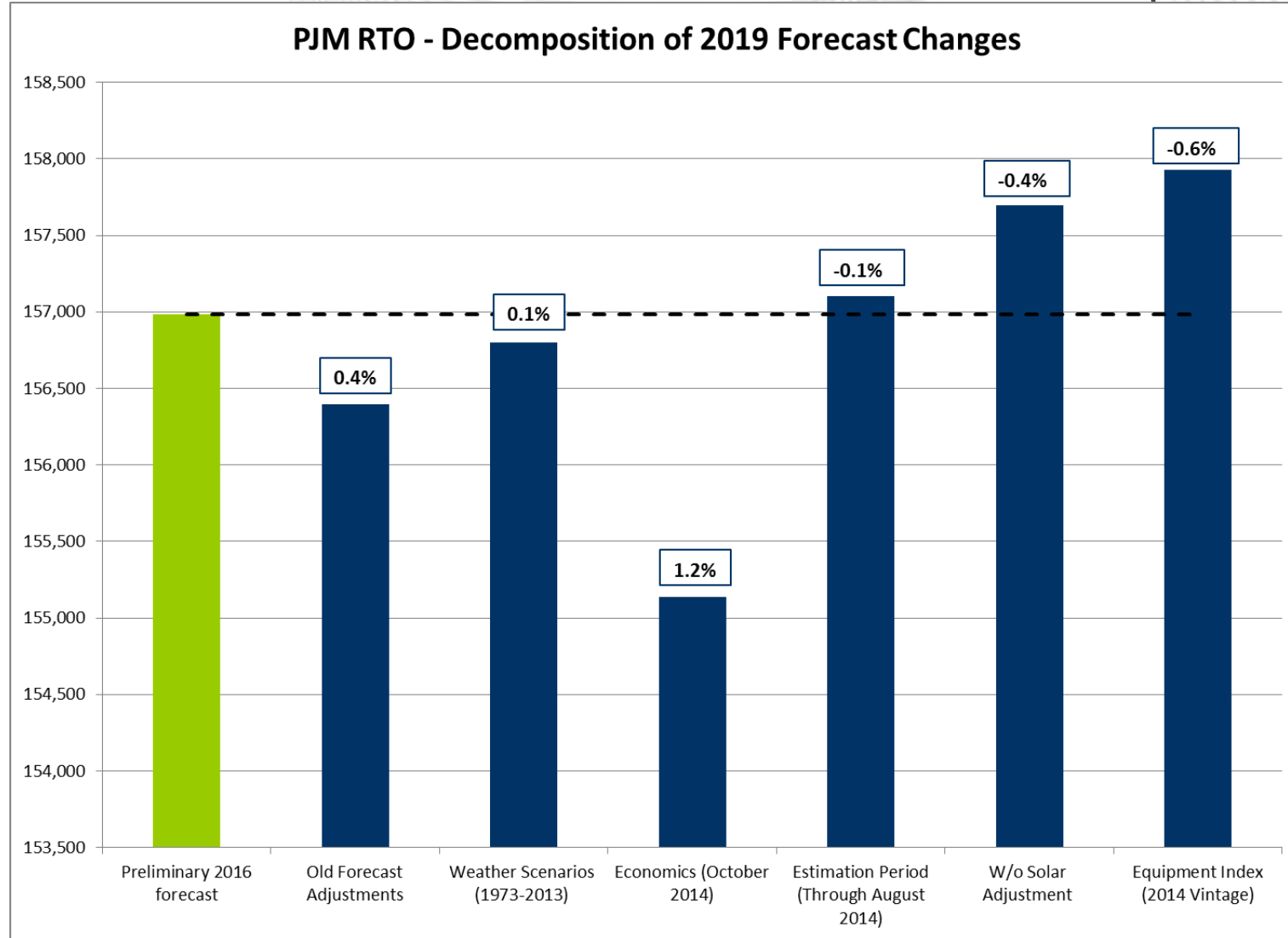
2021 Comparison

2015 Forecast to 2016 Prelim
= Down 1.5%

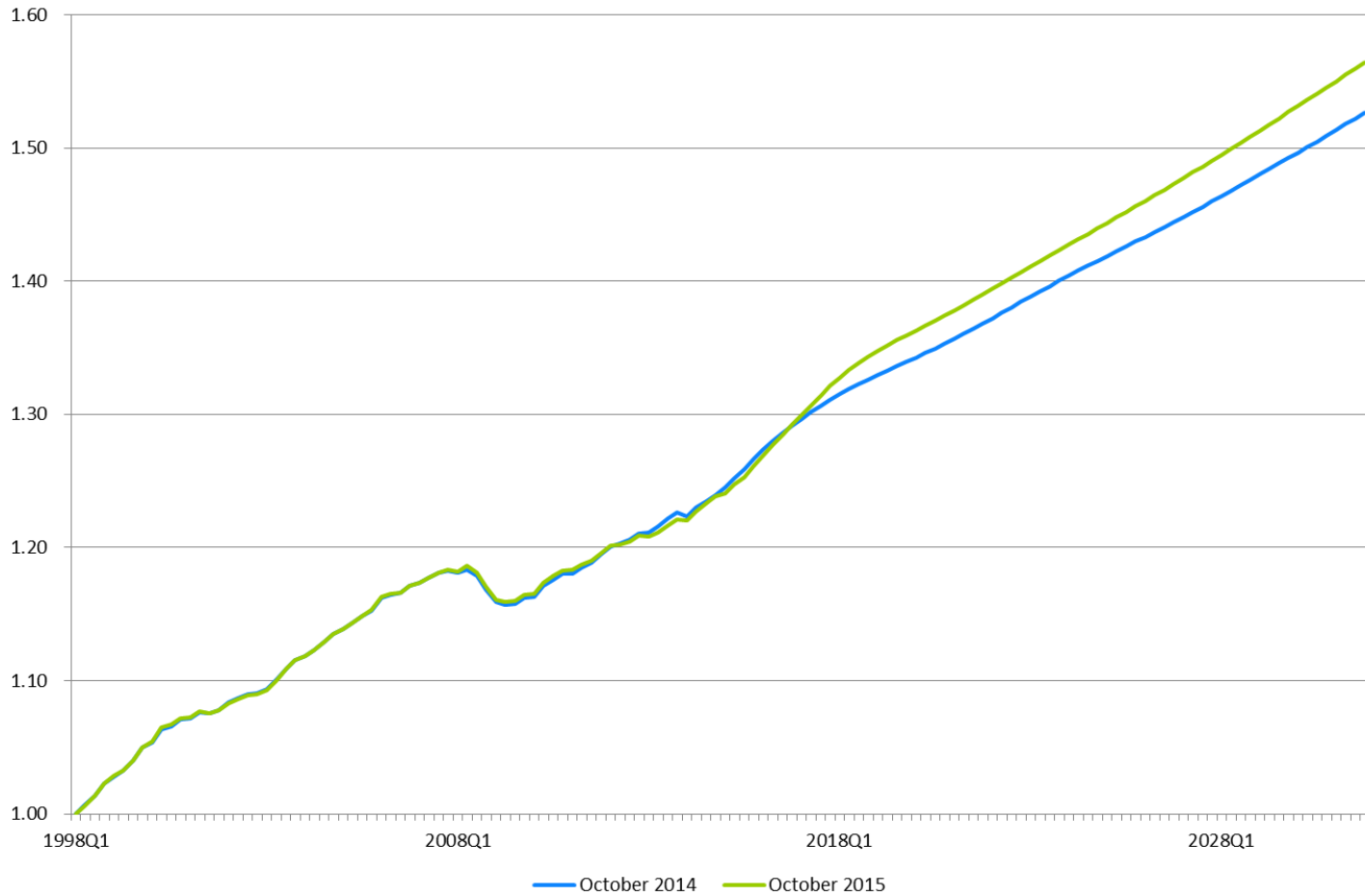
2015 Forecast (New Model)
to 2016 Prelim
= Up 1.9%



PRELIMINARY PJM RTO Forecast - Decomposition of Changes



PJM RTO Economic Index (1998Q1 = 1.0)
Source: Moody's Analytics

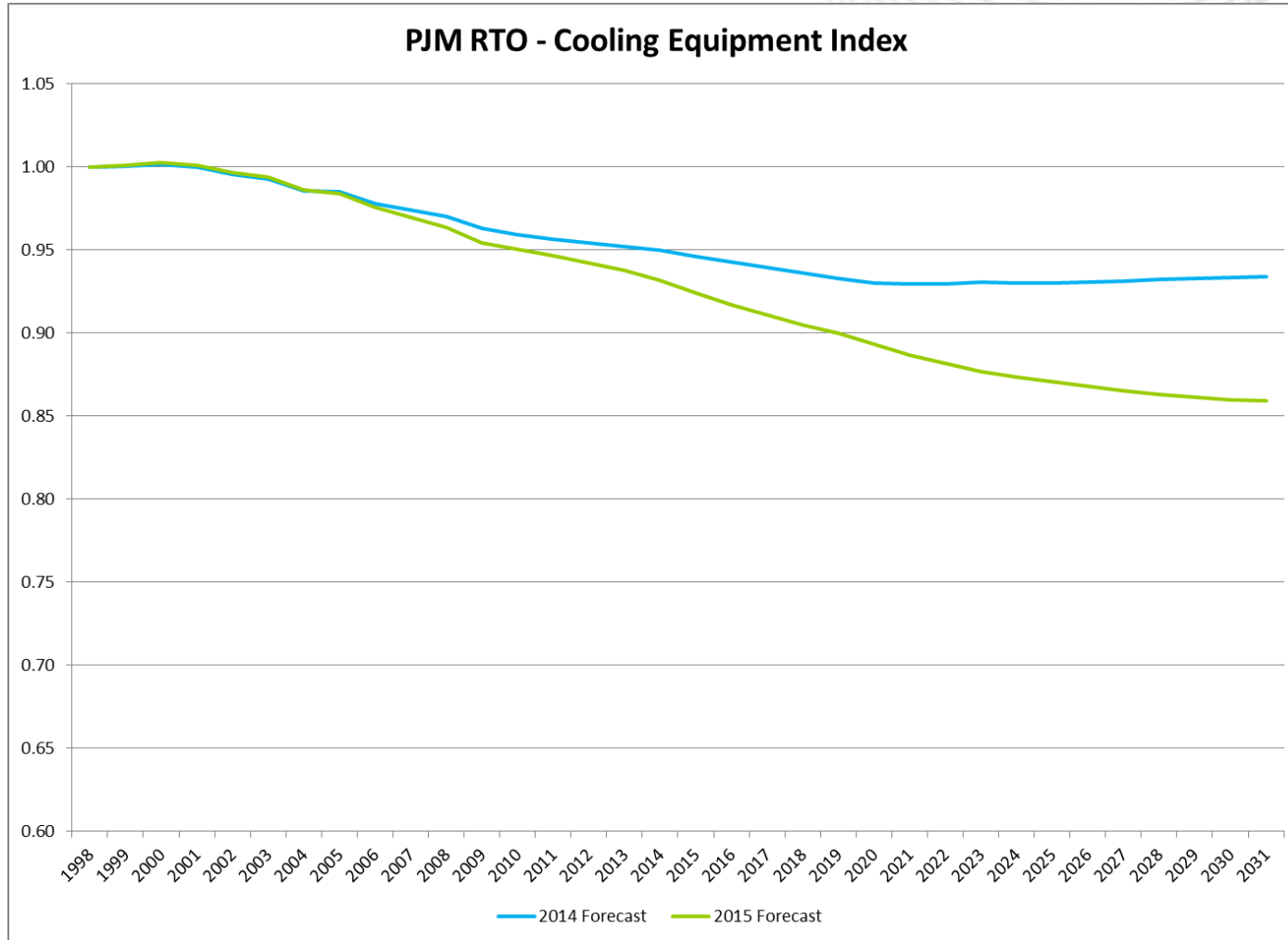


2019 Comparison

October 2014 to October 2015
 = Up 1.4%

2021 Comparison

October 2014 to October 2015
 = Up 1.6%

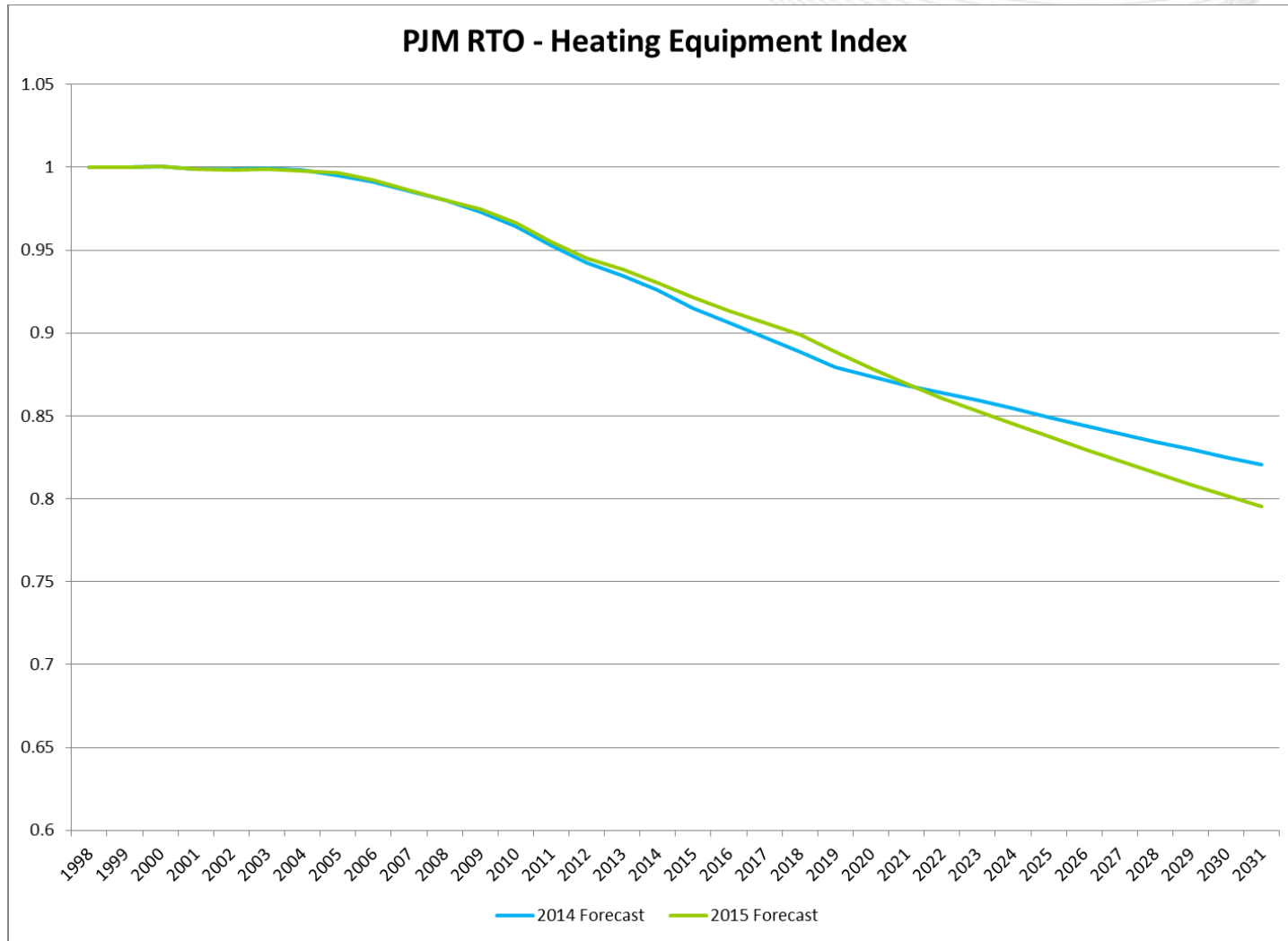


2019 Comparison

2014 Vintage to 2015 Vintage
= Down 3.6%

2021 Comparison

2014 Vintage to 2015 Vintage
= Down 4.6%

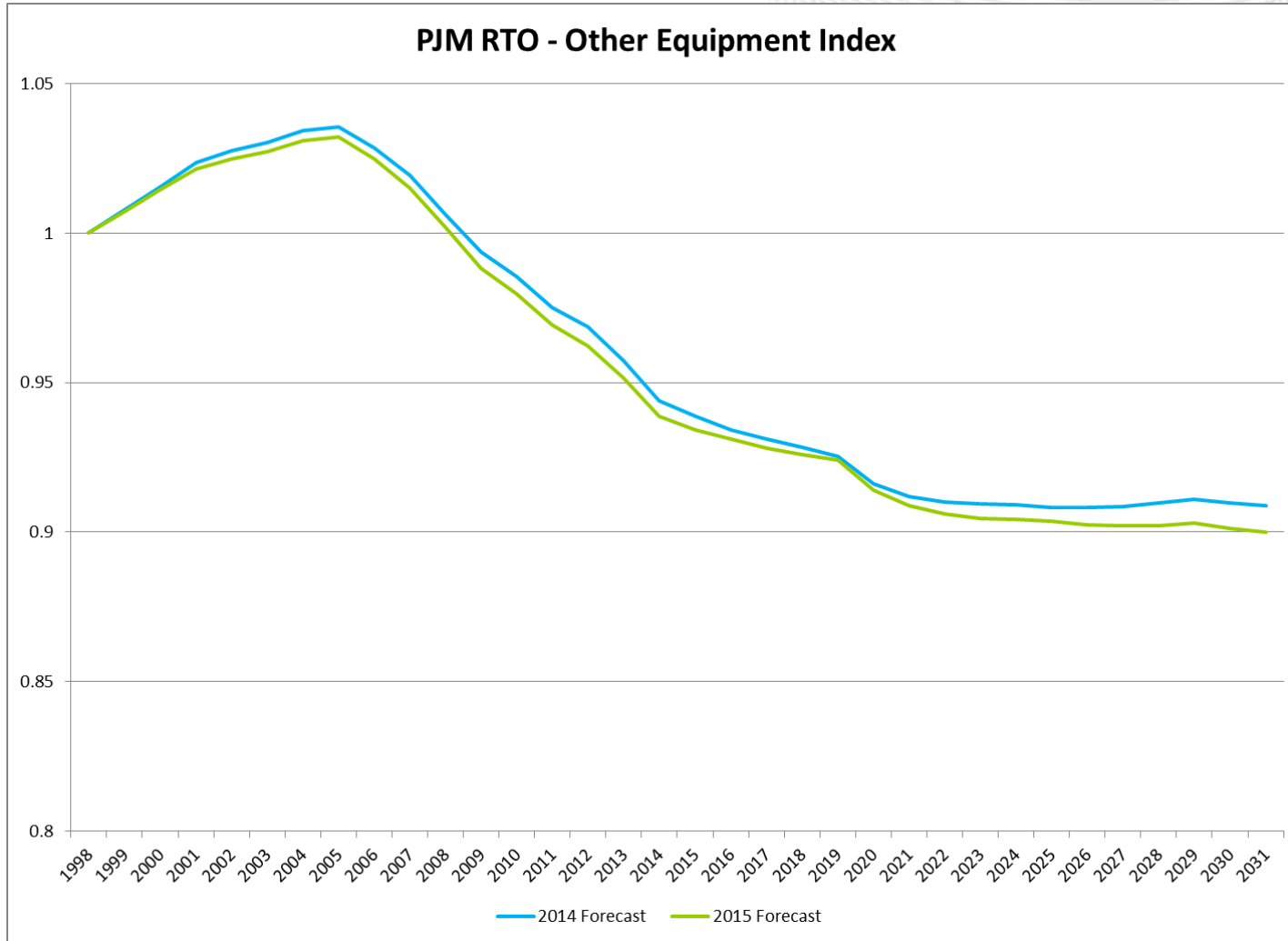


2019 Comparison

2014 Vintage to 2015 Vintage
= Up 1%

2021 Comparison

2014 Vintage to 2015 Vintage
= Up 0.1%



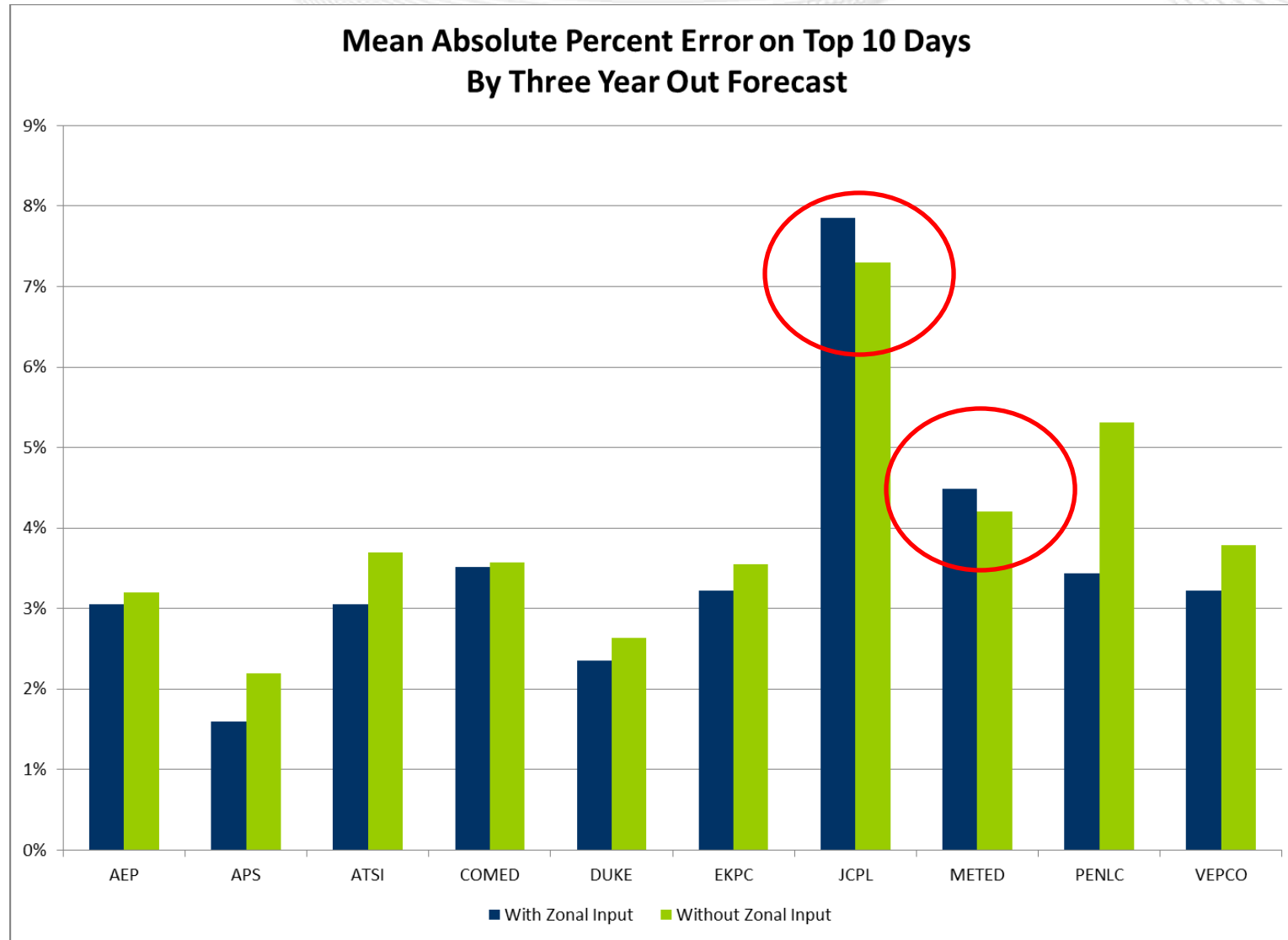
2019 Comparison

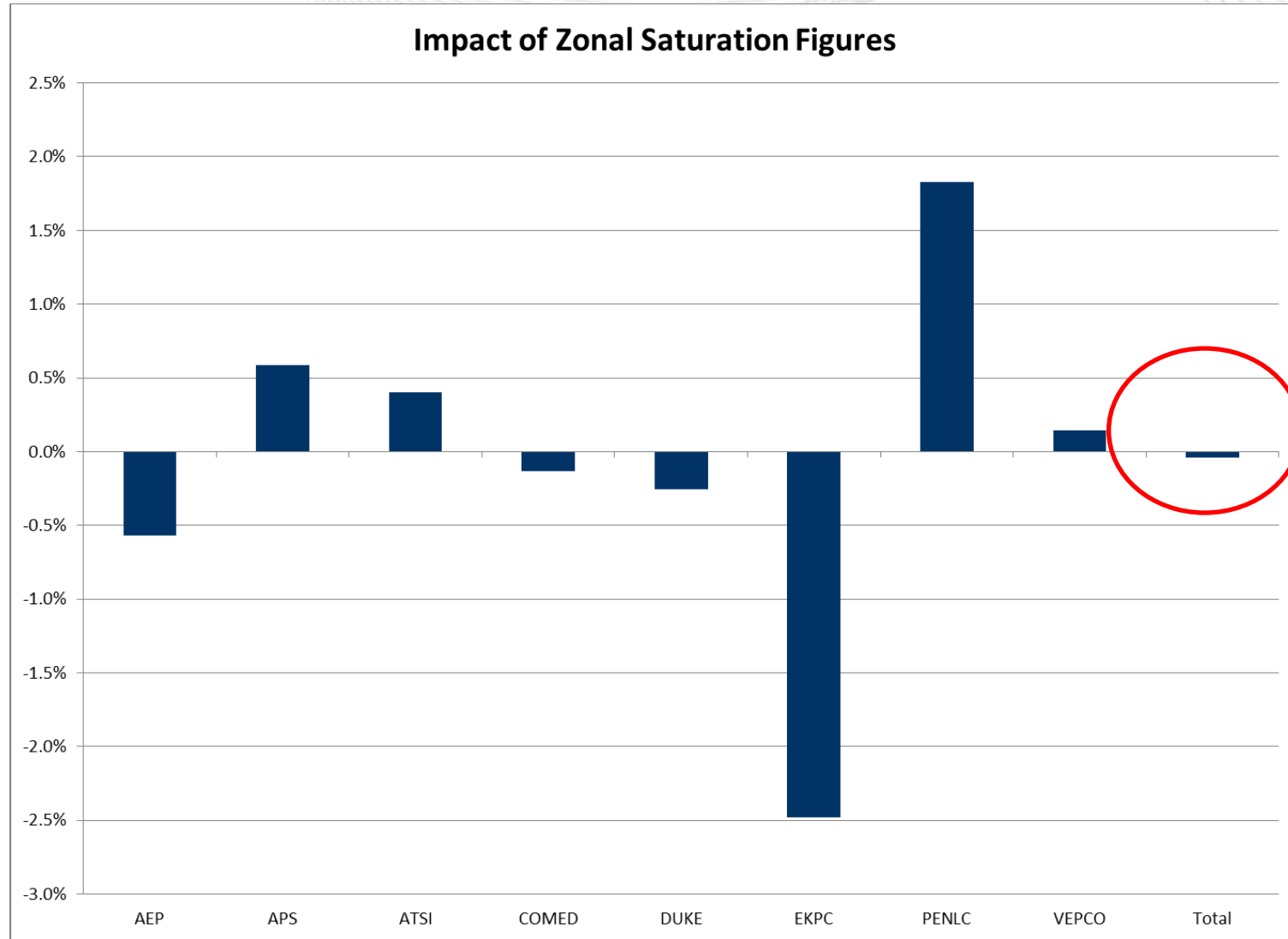
2014 Vintage to 2015 Vintage
= Down 0.1%

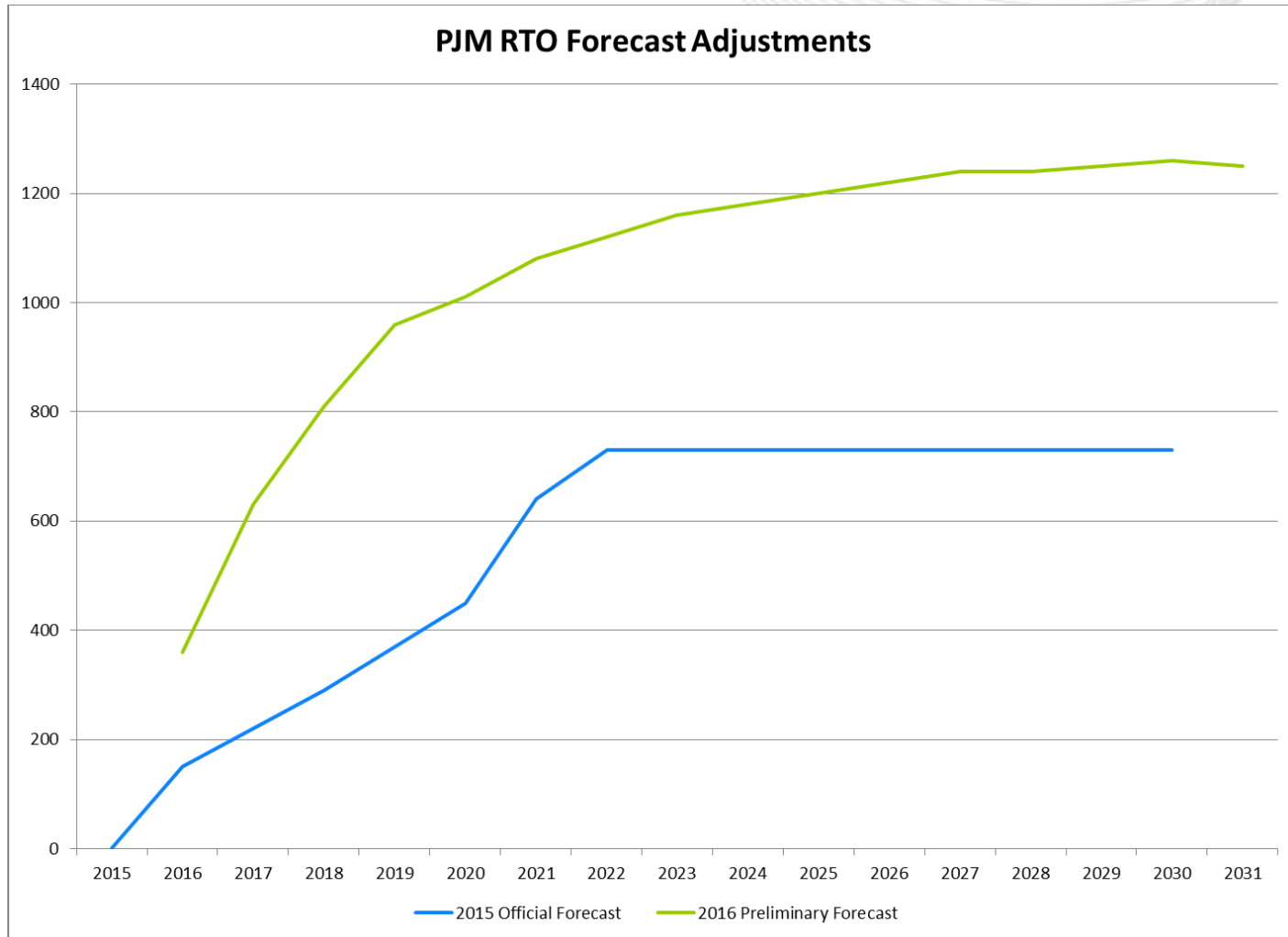
2021 Comparison

2014 Vintage to 2015 Vintage
= Down 0.3%

- PJM received supplemental data on appliance saturation from 10 zones
 - AEP, APS, ATSI, COMED, DUKE, EKPC, JCPL, METED, PENLC, VEPCO
- PJM evaluated whether to use zonal supplied information using a bright-line test of whether or not its use improved accuracy.
 - Two zones failed to meet this threshold (JCPL & METED)







Forecast Adjustments in 2019

2015 Official Forecast
 Total = 370
 Dominion = 370

2016 Preliminary Forecast
 Total = 960
 Dominion = 680
 APS = 280

- Review with Planning Committee (12/3/2015)
- Publish final report in late December
 - Unrestricted Loads Spreadsheet
 - Statistical Appendix
 - Economic Variable and Equipment Index Data
 - Moody's Analytics Economics Report