Preliminary 2017 Load Forecast

Load Analysis Subcommittee
November 18, 2016
2017 Preliminary Load Forecast Review
   - Summer
     • Results
     • Decomposition of Change
   - Winter
     • Results
     • Decomposition of Change
• Next Steps
Model Parameters

- Estimation Period: January 1998 through August 2016
- Weather Simulation: 1993 to 2015 (299 Scenarios)
- Economics: September 2016 vintage from Moody’s Analytics
- Equipment Indices: Based on Itron’s 2016 release (with CPP)
  - Reflect the EIA’s 2016 Annual Energy Outlook
- PJM Solar Addbacks & IHS Solar Forecast (zonal & peak allocation by PJM)
- Forecast Adjustments
  - Dominion: Revised adjustment related to data center growth
PRELIMINARY - 2020 Summer Forecast Comparison
Preliminary – Summer 2020 Decomposition of Change

Summarized Impacts on PJM RTO 2020 Summer Forecast

- 2016 Forecast
- Economics: -0.9%
- SAH - Heat/Cool: -0.1%
- SAH - Other: -0.2%
- WTPA - SM: 0.0%
- Forecast Adjustments: -0.4%
- Estimation: -0.3%
- Solar: -0.4%
- 2017 Prelim Forecast: -2.2%
PRELIMINARY - PJM RTO Winter Forecast
PRELIMINARY - 2020 Winter Forecast Comparison

2020/21 Winter Forecast Comparison
2017 Preliminary Forecast vs 2016 Forecast

[Graph showing the comparison between 2017 Preliminary Forecast and 2016 Forecast for various entities.]
PRELIMINARY – Winter 2020/21 Decomposition of Change

Summarized Impacts on PJM RTO 2020 Winter Forecast

-1.0%  -0.6%  -0.5%  0.0%  -0.4%  -0.3%  -0.0%  -2.8%

2016 FORECAST  ECONOMICS  SAE - HEAT/COOL  SAE - OTHER  WTIH SIM  FORECAST ADJUSTMENTS  ESTIMATION  SOLAR  2017 PRELIM FORECAST
Next Steps

• Still to be done
  – Final addbacks for 2016
• Review with Planning Committee (12/15/2016)
• Publish final report in late December
  – Unrestricted Loads Spreadsheet
  – Statistical Appendix
  – Economic Variable and Equipment Index Data
  – Moody’s Analytics Economics Report