Preliminary 2017 Load Forecast

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Planning Committee
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• 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 Back-casts & IHS Solar Forecast (zonal & peak allocation by PJM)
- Forecast Adjustments:
  - Dominion: Revised adjustment related to data center growth
  - APS: Revised adjustment related to fracking load
2020 Comparison
2016 Forecast to 2017 Prelim
= Down 2.1%

2022 Comparison
2016 Forecast to 2017 Prelim
= Down 2.9%
PRELIMINARY – Summer Growth Rates 2017-2027
PRELIMINARY – Summer 2020 Decomposition of Change
PRELIMINARY - PJM RTO Winter Forecast

2020/21 Comparison
2016 Forecast to 2017 Prelim
= Down 2.6%

2022/23 Comparison
2016 Forecast to 2017 Prelim
= Down 3.5%
Preliminary – Winter 2020/21 Decomposition of Change

## Summarized Impacts on PJM RTO 2020 Winter Forecast

- **2016 Forecast**: -1.0%
- **Economics**: -0.6%
- **SAE - Heat/Cool**: -0.5%
- **SAE - Other**: 0.0%
- **Weather Changes**: -0.2%
- **Forecast Adjustments**: -0.3%
- **Estimation**: -0.0%
- **Solar**: -2.5%
- **2017 Prelim Forecast**
Next Steps

- Publish final report in late December
  - Unrestricted Loads Spreadsheet
  - Statistical Appendix
  - Economic Variable and Equipment Index Data
  - Moody’s Analytics Economics Report