Preliminary 2018 Load Forecast

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Planning Committee
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• 2018 Preliminary Load Forecast Review
  – Summer
    • Results
    • Decomposition of Change
  – Winter
    • Results
    • Decomposition of Change
• Next Steps
Model Parameters

- Estimation Period: January 1998 through August 2017
- Weather Simulation: 1994 to 2016 (299 Scenarios)
- Economics: September 2017 vintage from Moody’s Analytics
- Equipment Indices: Itron’s 2017 release (no CPP)
- 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

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**2021 Comparison**

2017 Forecast to 2018 Prelim  
= Down 0.7%

**2023 Comparison**

2017 Forecast to 2018 Prelim  
= Down 0.1%
PRELIMINARY – Summer Growth Rates 2018-2028
Summarized Impacts on PJM RTO 2021 Summer Forecast

- 2017 Forecast: -0.6%
- Economics: 0.3%
- Equipment Index: 0.1%
- Weather Simulation: -0.2%
- Solar Forecast: 0.2%
- Forecast Adjustments: -0.4%
- Bringing in 2017 Loads*: -0.7%
- Preliminary 2018 Forecast:
PRELIMINARY – Summer 2023 Decomposition of Change

Summarized Impacts on PJM RTO 2023 Summer Forecast

-0.3% 0.5% 0.0% -0.2% 0.3% -0.4% -0.1%

PRELIMINARY - PJM RTO Winter Forecast

2020/21 Comparison
2017 Forecast to 2018 Prelim
= Unchanged

2022/23 Comparison
2017 Forecast to 2018 Prelim
= Up 0.4%
PRELIMINARY – Winter Growth Rates 2017/18-2027/28
PRELIMINARY – Winter 2020/21 Decomposition of Change

Summarized Impacts on PJM RTO 2021 Winter Forecast

- 2017 Forecast: -0.6%
- Economics: 0.5%
- Equipment Index: 0.2%
- Weather Simulation: 0.0%
- Solar Forecast: 0.3%
- Forecast Adjustments: -0.4%
- Bringing in 2017 Loads*: 0.0%
- Preliminary 2018 Forecast: 0.0%
PRELIMINARY – Winter 2022/23 Decomposition of Change

Summarized Impacts on PJM RTO 2023 Winter Forecast

- 2017 Forecast
- Economics
- Equipment Index
- Weather Simulation
- Solar Forecast
- Forecast Adjustments
- Bringing in 2017 Loads*
- Preliminary 2018 Forecast

Impacts:
- 2017 Forecast: -0.4%
- Economics: 0.7%
- Equipment Index: 0.2%
- Weather Simulation: 0.0%
- Solar Forecast: 0.3%
- Bringing in 2017 Loads*: -0.4%
- Preliminary 2018 Forecast: 0.4%
Next Steps

• Publish final report in late December:
  – Unrestricted Loads Spreadsheet
  – Statistical Appendix
  – Economic Variable
  – Equipment Index Data (heating, cooling, other)
  – Distributed Solar Forecast Data

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