2020 Preliminary PJM Load Forecast

Andrew Gledhill
Resource Adequacy Planning

Planning Committee
December 12, 2019
Model Parameters

- Estimation Period: January 2010 through August 2019
- Weather Simulation: 1994 to 2018 (325 Scenarios)
- End Use Data: Based on Itron’s 2019 release
  - Calibration 1998-2018 using EIA 861 data
- Economics: September 2019 vintage from Moody’s Analytics
- AWS Solar Addbacks & IHS Solar Forecast (zonal & peak allocation by PJM)
- Forecast Adjustments – APS, BGE, COMED and Dominion
Summer
2020 Preliminary Summer Forecast

Preliminary RTO Summer Forecast

- Actual
- Weather Normal
- 2019 Forecast
- Preliminary 2020 Forecast


Demand: 120,000 to 180,000
Impact to Summer Forecast from Distributed Solar and Energy Efficiency

RTO - Impact of Solar and Energy Efficiency

- Impact of Solar
- Actual
- 2020 Forecast
- Impact of Efficiency
- Weather Normal
2023 Summer Peak Distribution

2023 Summer Forecast Distribution
Median = 1.0

From 2019 Forecast
From Preliminary 2020 Forecast
2025 Summer Peak Comparison—Preliminary 2020 Forecast vs 2019 Forecast
Impact to Winter Forecast from Distributed Solar and Energy Efficiency

RTO - Impact of Solar and Energy Efficiency

- Impact of Solar
- Actual
- 2020 Forecast
- Impact of Efficiency
- Weather Normal
2022/23 Winter Peak Distribution

Median = 1.0

From 2019 Forecast
From Preliminary 2020 Forecast
2024/25 Winter Peak Comparison—Preliminary 2020 Forecast vs 2019 Forecast
Next Steps

- Update forecast with final loads
- Publish final report in late December
  - Accompanying spreadsheets
    - Unrestricted Loads
    - End-Use Indices
    - Weather Variables
    - Statistical Appendix
  - Finalize Load Report Supplement (Draft available [here](#))