

# Model-Based Weather Normalization

Load Analysis Subcommittee  
July 18, 2018

- The current weather normalization procedure provides an accurate portrayal of the growth pattern of peak load over time, but fails to give an accurate estimate of weather-normalized growth in the first year of the forecast.
- PJM is considering a return to using the model to produce weather-normalized peaks, for the following reasons:
  - The current model and test model do not suffer from the underlying accuracy issues as the pre-2016 model
  - It will still give an accurate estimate of weather-normalized growth
  - It should give a better estimate of first year weather-normalized growth

- Estimate model parameters on load history through most recent Summer
- Run 1994-2016 weather simulation (produces a distribution of potential peaks)
  - Select median as the weather normal peak
  - Zonal values are included in posted model stats spreadsheet (on the forecast tabs)







