The State Utility Forecasting Group Independent Load Forecasts

Presented to:
MISO Planning Advisory Committee

Presented by:
Douglas Gotham

February 19, 2014
Indiana Code 8-1 to 8-5
(Amended in 1985)

“The commission shall establish a permanent forecasting group to be located at a state-supported college or university within Indiana … This group shall develop and keep current a methodology for forecasting the probable future growth of electricity within Indiana and within this region of the nation.”
State Utility Forecasting Group

• Independent research and analysis group at Purdue University

• Much of SUFG’s work is for the Indiana Utility Regulatory Commission, but SUFG has worked with/for a number of other entities
  – Other state agencies (IN Office of Energy Development, IN Department of Environmental Management)
  – Federal agencies (USDA, DOE, DOD)
  – Other states
  – Utilities
  – National labs
  – EISPC
State Utility Forecasting Group

• Cooperative
  – We seek feedback from sponsors and stakeholders to improve the quality of our work
  – We operate under a “no surprises” policy

• Independent
  – We are ultimately responsible for the final product
  – Independence is crucial to our credibility and to the credibility of Purdue University
SUFG Structure

- Four full-time professional staff with interdisciplinary backgrounds (electrical engineering, operations research, economics, and finance)
  - will be hiring 2 more
- Part-time administrative assistant
- Faculty as needed
- 3-6 graduate research assistants
SUFG Forecasting

• For Indiana, SUFG has developed a sophisticated modeling system (including utility simulation and a combination of end-use and econometric models) to forecast demand at the utility level
  – We will not be doing this here

• The independent load forecast will use an econometric approach at the state level and convert those to LRZ level and MISO forecasts
Further Information

• Doug Gotham
  – 765-494-0851
  – gotham@purdue.edu

• http://www.purdue.edu/dp/energy/SUFG/