Developing Load Forecast Scenarios

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Agenda

- **Begin to identify fundamental drivers impacting the load forecast**
- **Start to develop the range of scenarios to be investigated**
- **Enhance the current load forecasting process for ERCOT**
- **Collaborative effort**

Objectives

- **Identify fundamental drivers impacting the load forecast**
  - Economic
    - Underlying economic scenarios (level of average wages, number of total jobs, GDP)
    - Fuel price scenarios
    - Price impact on load (Time of Use, Advanced Metering, etc.)
    - Demand Response
    - Other
  - New Technology / Innovation
    - Energy Efficiency
    - Distributive Generation (behind billing meter) including Solar (photovoltaic), Wind, etc
    - Plug-in Electric Vehicles
    - Other

Objectives

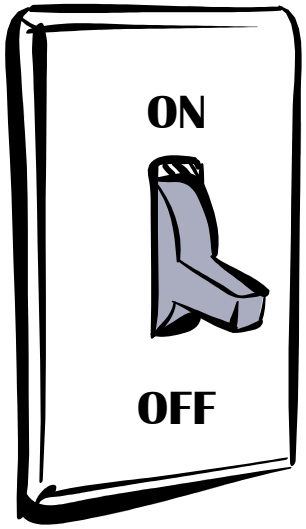
- **Develop internally consistent scenarios based on agreed-upon assumptions of key drivers**

- **Scenarios will include highly likely outcomes, and also less likely outcomes that effectively bound potential future uncertainty**

Objectives

- **Enhance load forecast models**
  - Create energy estimates for the Commercial, Industrial, and Residential premises and aggregate the results to arrive at ERCOT total load estimate (“bottom up” approach)
  - Compare these results to the “top down” load forecasting technique currently used by ERCOT
  - Create load adjustments for various programs (i.e., energy efficiency, price responsive load, demand response, PEV, distributed generation, etc) which can be applied to the “top down” load forecast

Questions



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