Coincident Peak Load Forecasting Methodology

Prepared for June 3, 2010

Meeting with Division of Public Utilities

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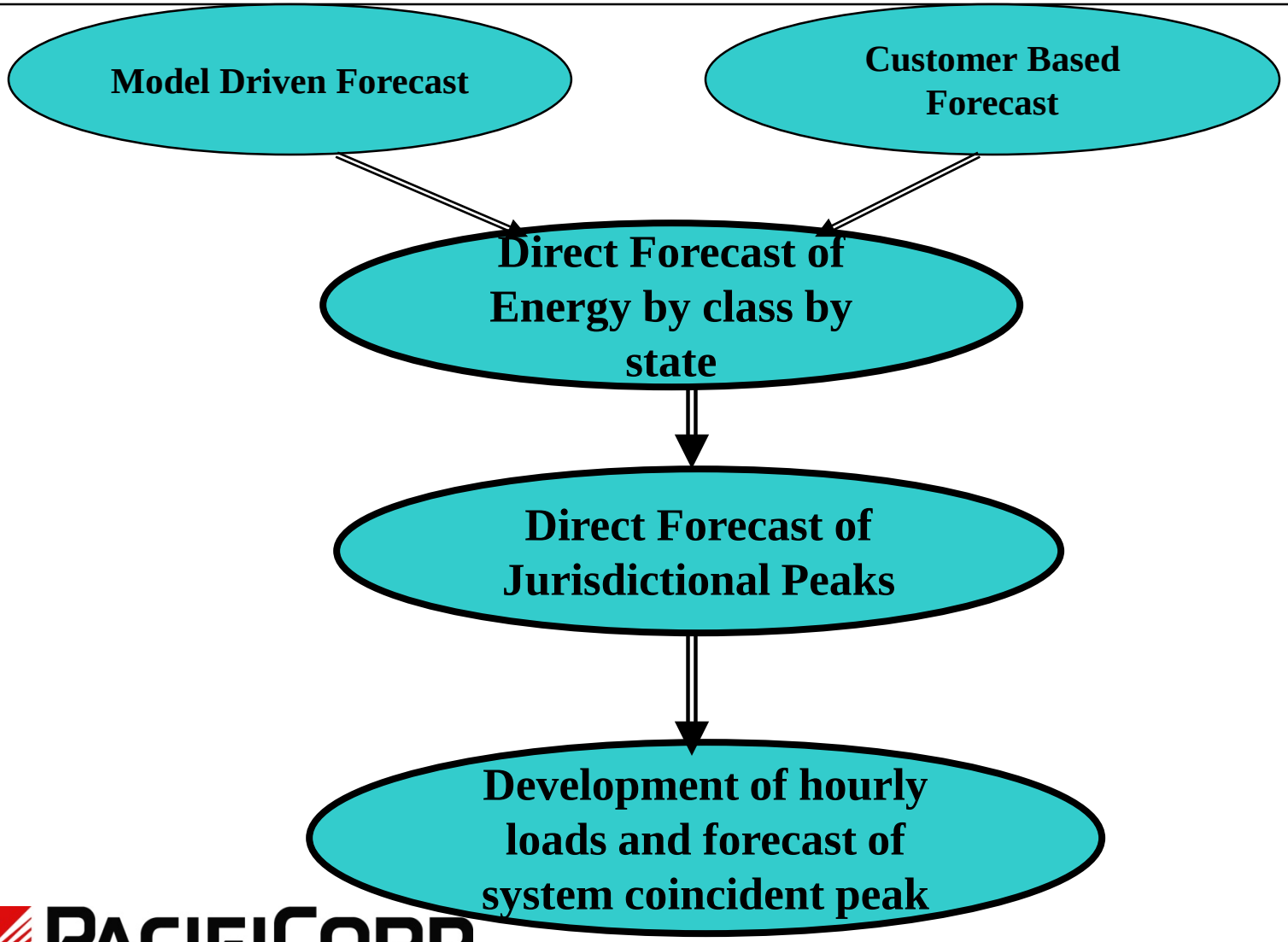
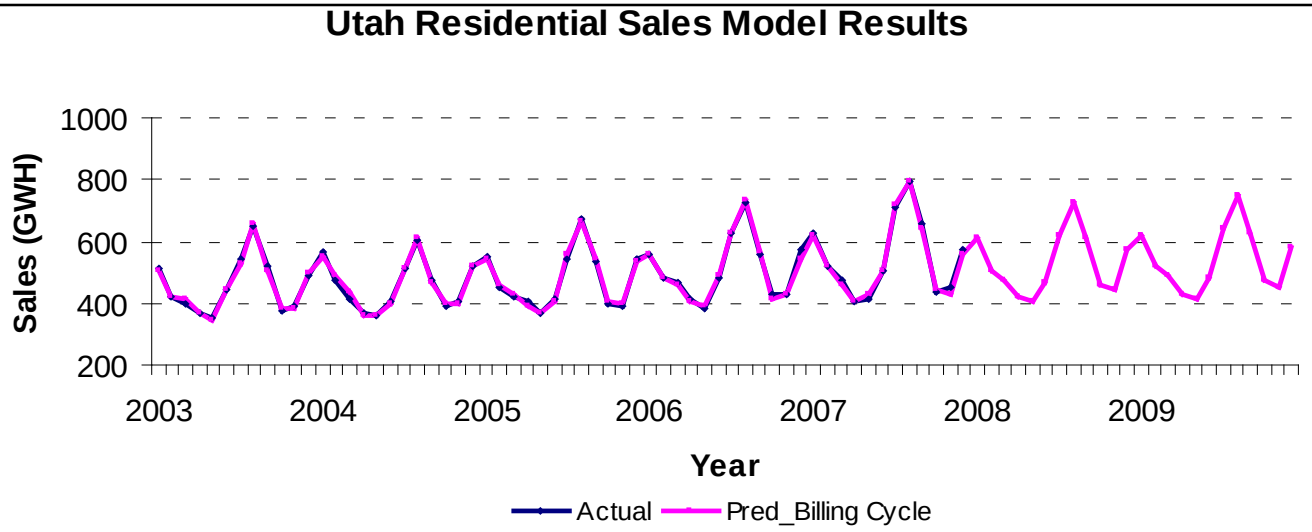
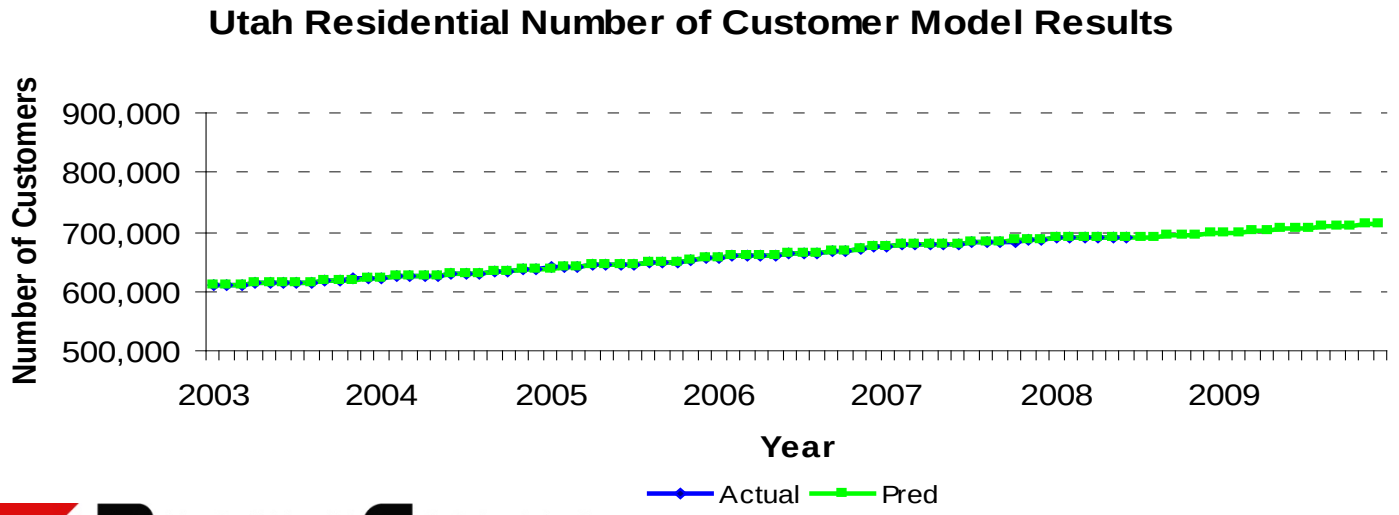
Development of Coincident Peak Forecast



Monthly Energy Forecast by Customer Class and by State





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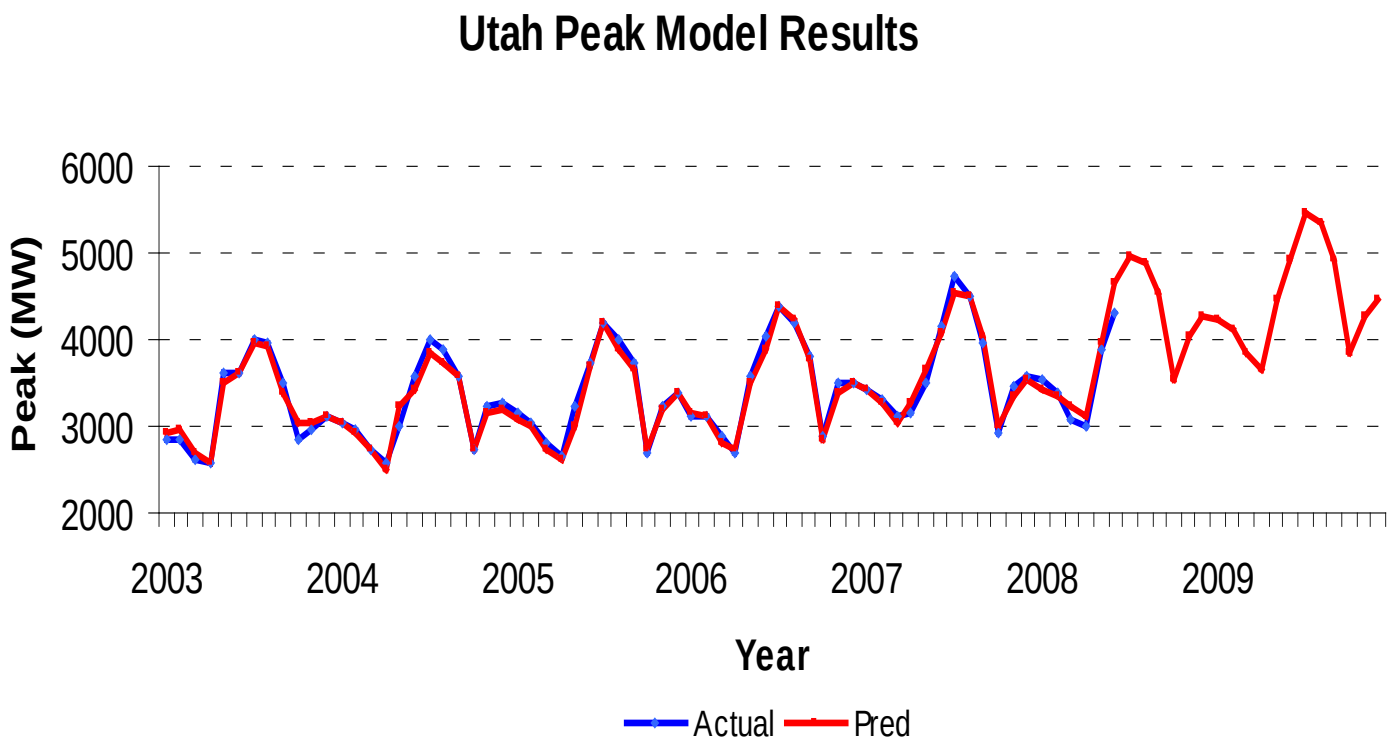
Industrial Sales Forecast

- Approximately 25% of industrial sales is forecasted through the model
- Remainder of industrial customers are separated into two categories:
  - Existing customers tracked by the Customer Account Managers (CAMs)
    - » CAMs provide 3 year forecast for existing customers
    - » Customer is tracked if more than 1 MW
  - New large customer or expansions by existing large customers

Jurisdictional Peak Forecast

- ✓ Peak Forecast is developed using an econometric model
  - **Monthly and seasonal peak forecast for each state are developed from historic peak producing weather and several related variables**



Coincident Peak by State

- The model uses historical state specific hourly load data to develop an hourly load pattern
- The hourly load pattern is adjusted for line losses and calibrated to jurisdictional peaks and energy
- Hourly loads are aggregated to the total company system level
- Coincident system peak is identified by month as well as the contribution of each jurisdiction to those monthly system peaks
- Model ensures consistency between
  - Peak forecast and jurisdictional peak load
  - Hourly load and monthly sales with line loss