Western Area Power Administration
Region

Load Forecast Assumptions

Underlying Load Forecast Assumptions for all ATC Calculations
Effective: 12/01/2009
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WALC BA System Load Forecasts

- WALC's System Load forecasts are based on historical System Loads. System Loads are determined by subtracting WALC's net Tie MW from total generation from all generators within WALC (net of motoring loads).

- System Loads include system losses, plus remote loads that are served off Western's transmission system.

- To produce the next day forecast, System Load for a recent, like day is adjusted for the expected change in weather. The effect of changes in weather is determined through statistical regression analysis. Regression coefficients that explain the effect of changes in temperature (F^o) and humidity on load, are applied to the forecast change in temperature and humidity. The resulting effect of the change in weather may increase or decrease the recent, like day load.

- System load forecasts also may be adjusted as necessary to correct for changes in expected loads.

WALC Native Load Forecasts

- WALC's Native Load forecasts are based on Firm Commitment pre-schedules to load plus forecasts of metered loads.

- Western's Firm Commitment pre-schedules are firm energy deliveries on Western's system, including Colorado River Storage Project and Parker-Davis Project Firm Electric Service schedules and net firm imports with Western delivery.

- Hourly forecasts of internal loads are provided by Western's merchant staff. Internal load forecasts are based on historical meter data, hourly weather, input from customers on load assumptions, and adjustments for expected changes in load.

- Resources are scheduled to balance expected loads.