



WEEK-AHEAD POOL PRICE AND DISPATCH FORECASTING



WEEK-AHEAD FORECAST

- Energy prices
- Generator volumes
- Operating patterns
- Transmission flows and congestion
- Renewable energy impacts

ROAM'S CLIENTS

- Generators
- Market-exposed loads
- Retailers
- Transmission operators
- Market operators
- Market regulators
- Government bodies
- Industrial energy users
- Project developers

THE PROBLEM: WEEK-AHEAD PLANNING IN THE NEM

Electricity producers in the NEM can make up to 50% of their yearly spot revenue from as few as 40 high-price periods. Similarly, the major energy users can attract significant savings by scheduling load reductions at critical times. When operating in the wholesale energy market, timing is everything, and being dispatched or curtailing load in these periods is critical for maximising profitability.

The Australian Energy Market Operator (AEMO) only provides its pre-dispatch pool price forecast up to 40 hours ahead. Without more information participants are unable to foresee price expectations beyond this timeframe.

THE SOLUTION: A WEEK-AHEAD PRICE FORECASTING SERVICE

The Price Insight service provides price and dispatch forecasts for 7 days ahead, fulfilling this critical planning horizon for discerning NEM participants.

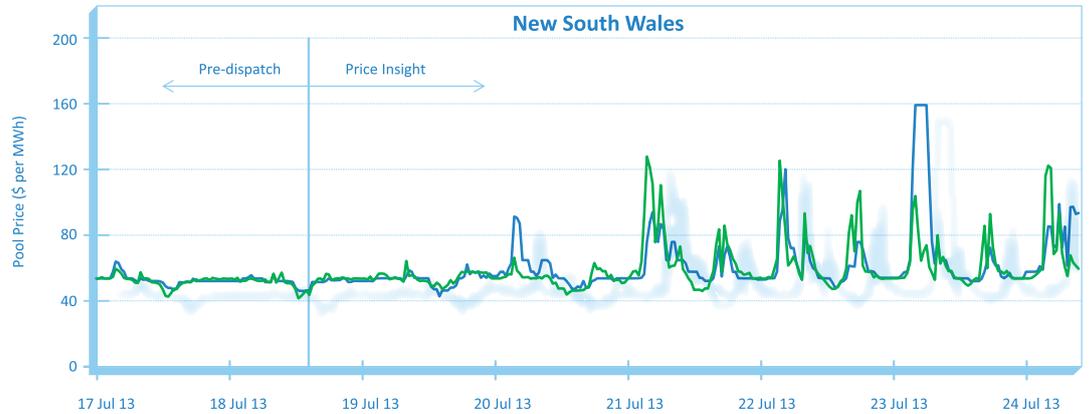
Price Insight is built upon ROAM's proprietary market forecasting engine, 2-4-C®, which has been developed and fine-tuned to replicate the behaviour of AEMO's NEM Dispatch Engine (NEMDE).

Price Insight is a fully automated and customisable system. Its process is as follows:

- Each forecast is produced every two hours based on our projection of participant trading behaviour, wind farm operation, network congestion and demand.
- Sensitivity cases may be created for a variety of factors that may influence the operation of your assets. These factors can include demand variations, trading behaviour and planned availability and outages.
- ROAM's cutting edge Wind Insight model produces a 7-day generation forecast for each wind farm. For more information about Wind Insight and how it works, see www.roamconsulting.com.au/windinsight.
- Output data available includes generator bids, wind farm operation, demands, pool prices, generator dispatch, interconnector flows and limits and binding transmission constraint equations.
- All data is delivered securely over the web.

FLEXIBILITY

- Flexibility is important
- ROAM offers complete customisation services
- Input and output components can be tailored to your needs
- Custom sensitivity forecasts configured and delivered automatically



KEY BENEFITS

- Reduced risk:
 - Allows generators to foresee upcoming price spikes and plan ahead for fuel requirements, managing bids and contract positions and being available for dispatch in high price periods.
 - Market-exposed loads can manage their operations to minimise price risk.
- Lower costs:
 - The Price Insight service eliminates the need for high cost forecasting software, hardware and maintenance as it runs locally on our servers and is available by downloading the forecast data from our secure server.
- Optimise your portfolio:
 - Enables participants to maximise their revenue by forecasting dispatch outcomes under different trading strategies and choosing the best outcome.

SETTING THE STANDARD FOR SHORT-TERM FORECASTING

- Our clients have indicated to us that Price Insight has fast become an essential component of their operations.