DEMAND FORECASTS FOR APAC'S POWER MARKETS

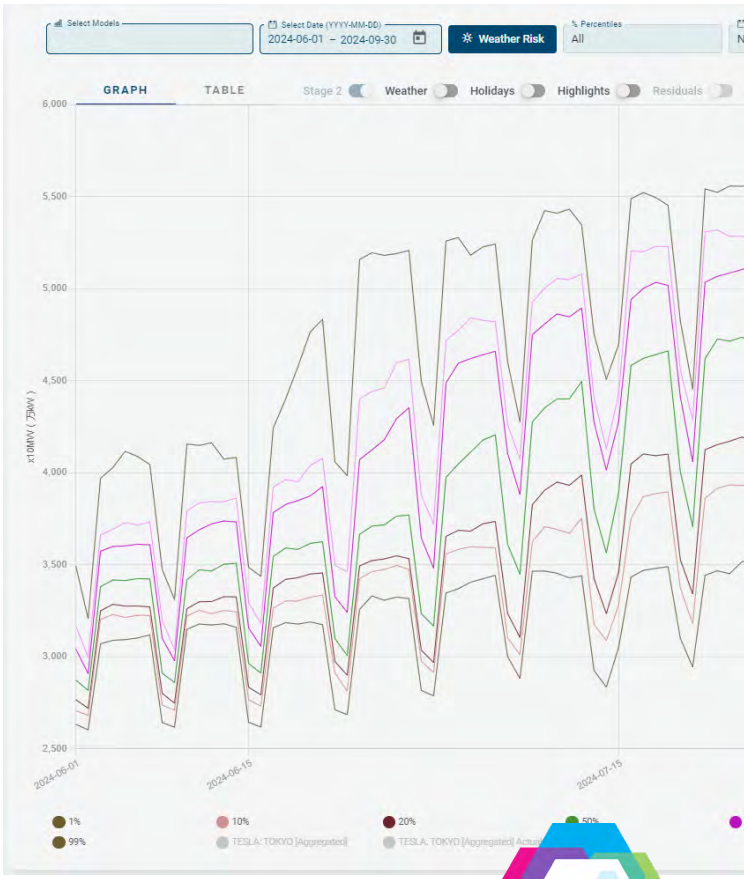
FORECASTS TO EMPOWER INFORMED TRADING DECISIONS

Accurate. Actionable. Proven.

Backed by 30+ years of experience in providing trusted forecasting solutions to utilities, energy traders, and asset managers around the globe, our Demand Forecasts enable market participants to make the most informed decisions possible when buying and selling in APAC's wholesale energy markets.

Yes Energy's Demand Forecasts are built and calibrated by expert econometricians using proprietary algorithms that incorporate comprehensive weather variables and calendar information. The short-term forecast updates at least every hour using the latest near-term demand data and weather observations so market participants can quickly respond to changing weather patterns, extreme weather, and other events that impact energy demand.

Delivered via our web platform or API, the Demand Forecasts are supported by a dedicated team of specialized analysts and engineers who understand the unique trading regions, understand the "why" behind the forecasts, and review & maintain each model to ensure the most accurate, reliable forecasts in the industry.



Wholesale market forecasts available for:

- **New Zealand** (GXP level)
- **Australia** (7 states - WEM, NTESMO, NEM)
- **Japan** (9 regions)
- **Philippines** (3 regions)

CLEANTECH BREAKTHROUGH AWARDS

DEMAND FORECASTS FOR APAC'S WHOLESALE POWER MARKETS

Key Product Features

- **Short-Range Load Forecast**: 5-minute to daily forecast granularity at a 14 day horizon.
- **Comparable Day Analysis:** Find similar historical days (high/low temperature, day of week) to compare with your set date.
- **Temperature Sensitivity:** View forecast behavior when adjusting the temperature projection up to +/- 10 degrees. Create new forecasts, calculated independently of the baseline forecast.

TEMPERATURE SENSITIVITY WEATHER SCENARIO

- **Weather Decomposition:** Gain insight into the demand that would have occurred under normal weather conditions with this add-on module, and analyze demand based on observed weather, normal seasonal weather, and other variables.
- **Weather Risk:** Explore forecasts up to 2 years in the future using historically observed weather data with this award winning add-on module.
- **Forecasts for APAC, EMEA, and North America:** Supported by regional analysts to provide timely, knowledgeable support.

"The relationships between weather and electricity consumption are rapidly changing... To deal with these challenges, Transpower implemented the Yes Energy Demand Forecast in 2022. The Demand Forecast is clearly performing better than the previous load forecast for all forecast horizons, across all regions. In addition, the team at Yes Energy is quick to answer any forecast related questions– they really have become part of the team."

David Katz, Former Market and Security of Supply Manager, Transpower

- Specified as a stratified nonlinear regression model, our expert analysts separate the data between the summer and winter "seasons" delineated on the fall and spring clock change days and then again into three groups for each season: weekdays, Saturdays, and Sundays/holidays.
- The model primarily uses two econometric techniques: variable parameters and piecewise linearization. It employs variable parameter models when the explanatory variables are normally significant in both the operational and statistical sense but the dependent variable's response to changes in them is not constant.
- Piecewise linearization of the model recognizes that energy demand's response to the relevant variables is not linear. The response is complexly nonlinear and can't be modeled by imposing a simple nonlinear functional form.
- Economic and population growth don't vary quickly enough to be usefully included in a model of hourly or sub-hourly energy demand, but they do have an impact over time. The model includes a single non-linear latent trend parameter to capture the collective effects of slower-moving independent variables.

Yes Energy is how traders, power companies, and asset managers and developers can finally make sense of the complex, rapidly changing power market.

Supported by best-in-industry customer support, you get up-to-date data, comprehensive tools, and a specialized partner to help you make the right decisions every day.

It's time to Win the Day Ahead™ and only Yes Energy brings you the unique combination of better data, better delivery, and better direction you need to do that.

Say YES to a Free Demo!

Contact Us

YES ENERGY

yesenergy.com | LinkedIn | +64 9551 5039