

MetraWeather and TESLA Forecasting Partnership

World Class Demand and Weather Modelling

Bringing together world class demand and weather modelling for energy clients in Australia, New Zealand and Japan.

MetraWeather and TESLA Asia Pacific Limited are pleased to announce a new partnership to serve energy generators, traders, networks and market operators with world leading demand modelling. TESLA's proven demand modelling solutions are now using MetraWeather's highly accurate, quality-controlled observational and forecast information as inputs, to provide clear guidance on energy loads out to 14 days.

MetraWeather

MetraWeather is a leading supplier of energy-specific weather forecast and lightning information services for business clients in Australia, New Zealand, Asia and Europe. MetraWeather is a wholly owned subsidiary of the Meteorological Service of New Zealand

(MetService), bringing together the resources of a national weather service provider and the agility of a commercial operator, to serve the needs of energy generators, traders, networks and market operators.



MetraWeather's enhanced probability distribution (ePD) consistently outperform global and regional numerical weather models, to give the best possible picture of weather-driven energy demand. Independent verification of MetraWeather's ePD forecasts has shown them to be the most accurate across all temperatures compared with multiple other commercial weather providers.

TESLA

TESLA was founded in the 1990s, with the first demand model developed for The London Electricity Board. Short Range deterministic and probabilistic load forecasting models from TESLA are now used by hundreds of clients around the world to inform energy demand for the next 14+ days, which is predominantly driven by weather conditions across larger population centres.

In addition, TESLA's Weather Risk tool provides insight to how load will behave in coming years.

Verification

Both MetraWeather and TESLA constantly monitor the performance of their respective forecasts and these statistics are provided to existing clients and interested parties to demonstrate accuracy.

"The relationships between weather and electricity consumption are rapidly changing due to factors such as transmission pricing changes, EV and rooftop PV uptake, population growth, and trends in housing and appliance efficiency. To deal with these challenges, Transpower implemented the MetService powered TESLA load forecast earlier this year.

The MetService powered TESLA forecast is clearly performing better than the previous load forecast for all forecast horizons, across all regions. Both the teams at TESLA and MetService are quick to answer any forecast related questions - they really have become part of the team."

-David Katz, Market and Security of Supply Manager at Transpower



To discuss MetraWeather's broader energy-focused weather forecasting and briefing services, contact:

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To discuss a trial of the TESLA Model using MetraWeather Inputs, contact:

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