

# Turitea wind farm project information

## THE PROJECT

### Location

The Turitea wind farm is located on in the Tararua Ranges above Palmerston North. The site wind farm extends southwards from the Pahiatua-Aokautere Road, on both sides of the Turitea Reserve.

### Capacity:

This will be New Zealand's largest wind farm, with a total capacity of 222MW (the power it is able to generate).

### Annual Output:

840GWh (average amount of electricity output in a year)

### And this is how much?

840GWh is enough to power 375,000 electric vehicles or 120,000 households. This energy output equates to 2% of New Zealand's national electricity demand and the Turitea wind farm will increase New Zealand's renewable electricity annual generation by 2%.

### And how much is Mercury investing in this project?

Approximately \$465m (excludes capitalised interest)

### The turbines

Sixty wind turbine generators will be located on the ridgelines of the Tararua Range in accordance with our consents, and to most effectively capture the wind power. Each Vestas V112 turbine measures 125m from base to rotor tip.

### Getting the power to you

The Turitea wind farm construction includes a new 12km long transmission line connecting the wind farm, via two on-site substations, into the National Grid at Transpower's Linton substation.

The transmission line operates at 220kV. It is constructed using monopoles to support the conductors over farmland, and traditional pylon towers in the Turitea Reserve.

The Linton substation works include installation of a new bay, gantry, primary and secondary protection, revenue metering and communications networks.

## SAFETY

The health and safety of our people and everyone we work with is a top priority. Achieving zero-harm is our goal, ensuring everyone returns home safe every day. Along with safety of our staff, we place equal importance on the safety of our contractors, our communities, and our customers.

Our dedicated safety professionals work closely with our principal contractors to ensure they identify, mitigate and manage risks appropriately. A key element of contractor engagement is to promote a culture of safety and wellbeing across all levels of the project and to make sure that Mercury meets its obligations under the Health and Safety at Work Act.

## THE TEAM

We have been planning this wind farm for a long time – in fact, our wind generation strategy was formulated more than 15 years ago. Mercury has a core team of experts running the project today including

- Project Director: Dennis Radich
- Project Manager: John Campbell
- Project Manager Transmission & Connection: Chris Singleton
- Property Manager: Duncan Annandale
- Consents & Compliance Manager: Stephanie Kirk
- Health & Safety Manager: Ursula van den Bosch

We have contracted with **Vestas-New Zealand Wind Technology Limited**, a local subsidiary of Vestas Wind Systems A/S (the world's largest wind turbine supplier), to construct and maintain the Turitea wind farm. This arrangement consists of a full engineer, procure and construct (EPC) contract and a long-term service and availability agreement.

We have also contracted separately with **Electrix** and **Transpower** for the design and construction of the 220kV transmission line and grid connection to Linton. These transmission assets will also cater for future development of the consented Puketoi wind farm to the east.

## FURTHER INFORMATION

Find out more at [www.turiteawindfarm.co.nz](http://www.turiteawindfarm.co.nz)

