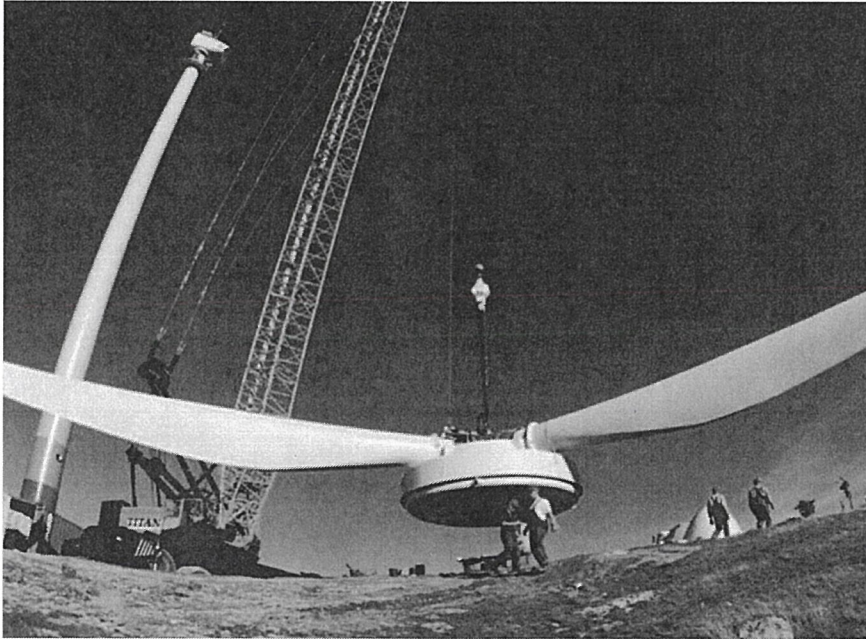


New Zealand's first wind farm operational

(MCH, 2020xxx)

6 June 1996

1996 p.201



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Commissioned by Genesis Energy, New Zealand's first commercial wind farm opened in the windy hills of Wairarapa. Named Hau Nui Farm, meaning Big Wind, this location was chosen because of the wind currents that are funnelled and accelerated by nearby Cook Strait and the Remutaka Range.

Stage one of the project was constructed at the northern end of Range Rd and saw the installation of seven E-40 wind turbines, a third-generation wind-energy technology. Each turbine has three 20-m blades, making the overall height of each turbine an impressive 46 m. This allows each turbine to generate electricity in wind speeds of between 10 and 120 km per hour. When the wind exceeds 120 km/hr, the turbines automatically shut down to avoid damage.

Eight more turbines were installed in stage two of the project, which was completed in 2004. With 15 turbines, the farm produces enough energy to power 4200 homes.

External links

[Wind and solar power \(Te Ara\)](#)

[Hau Nui wind farm \(Genesis Energy\)](#)



updated 3d edit

HOW TO CITE THIS PAGE

'New Zealand's first wind farm becomes operational', URL:

<https://nzhistory.govt.nz/page/new-zealand%E2%80%99s-first-wind-farm-becomes-operational>, (Ministry for Culture and Heritage), updated 18-Jun-2020