



# Hurleyville Windfarm

## Taranaki Renewable Energy

### TARANAKI'S LARGEST WINDFARM

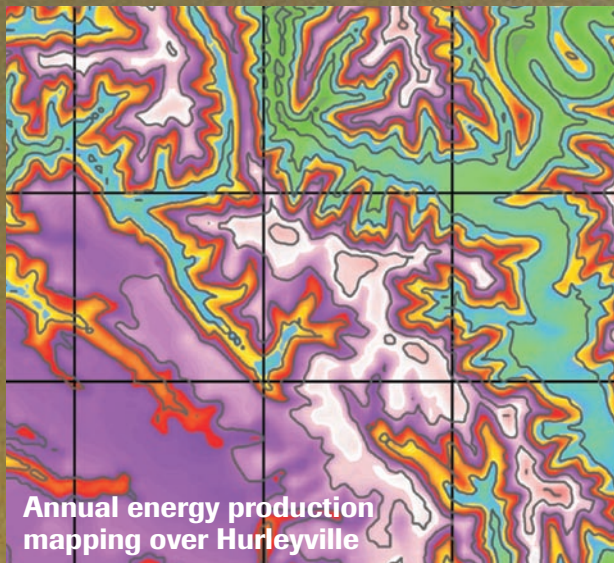
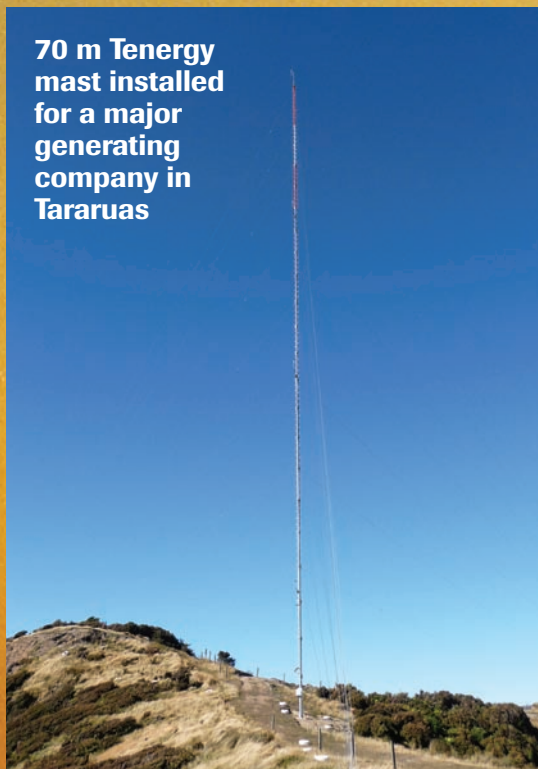
For some time Geoff Eaton of Tenergy NZ Ltd has worked with the McColl family in Hurleyville, south of Hawera. Hugh and Fiona McColl have embraced the concept of a wind farm being established on their properties. Tenergy has undertaken extensive computerised wind energy analysis over the lands using the University of Canterbury and other wind energy experts.

The energy predictions for various turbine sizes have confirmed what the McColls already know –they are living on a viable wind farm site. Over their 1000Ha of land it is predicted that 80MW of wind energy generation could be installed. Other opportunities could extend this to 100MW or even up to 150MW. If a wind farm proceeds it is likely it will be installed in increments of around 25MW at a time.

It is Tenergy's belief that this location represents the only viable location in Taranaki for a major wind farm. The reasons being; the remoteness from the coast and live style blocks, current land use being sheep and cattle only, proximity to a range of grid connection options and the willingness of the landowners.

For those technically minded, the wind speed prediction is 8.9m/s at 50m above ground level. This wind speed is just above the cusp between Class II and Class I turbines (IEC standard). This presents a real opportunity to use more cost effective turbines than currently utilized in windier locations such as the Tararuas and still have acceptable capacity factors to maximize the return on investment.

**70 m Tenergy mast installed for a major generating company in Tararuas**



Annual energy production mapping over Hurleyville

### LOCAL INVESTMENT OPPORTUNITY

One of the key issues preventing a major update of wind energy in this country is obtaining consents. To address this it is important to involve the local community at an early stage especially since the visual aspect of a major windfarm is normally the prime concern.

For this proposed development it is our objective is to work alongside the community and provide them the opportunity to be part of this proposal from the beginning.

For the next step we are looking for a small group of investors, around 3 to 6, to undertake a high quality wind monitoring investigation. This will involve installing a Tenergy 70m mast with 4 levels of instrumentation and monitoring the wind for up to a year, followed by some specialised analysis. The cost for this will be around \$120k. Tenergy will supply the mast at a very low margin and manage the investigation.

It is expected to form a company with the express purpose of establishing the wind energy potential and selling those wind energy rights to the eventual wind farm developer/owner. Tenergy will maintain a role throughout to ensure a good outcome. The company formed may sell the rights at any time and at that time pay a dividend to the shareholders. The company may also continue the investigation by investing in additional masts needed for a complete development plan and /or continue with obtaining consents.

There are other aspects of the company which will be outlined to those willing to partake. We welcome input into a flexible agreement to provide the best outcome for the participants.

If you are interested please advise by email only to the contact below.