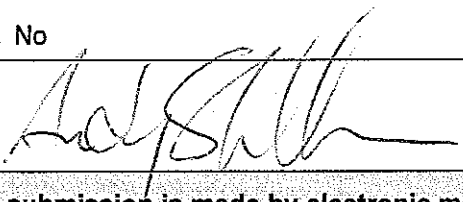


Form 13

**SUBMISSION ON MIGHTY RIVER POWER LIMITED'S APPLICATIONS FOR RESOURCE
CONSENT IN RESPECT OF THE TURITEA WIND FARM**

Section 145 Resource Management Act 1991

To:	Freepost Call In Ministry for the Environment PO Box 10362 The Terrace Wellington 6143 OR: Email: turiteacallin@mfe.govt.nz Fax: 04 439 7705 Please note that if you are emailing or faxing your submission, the subject must be marked: 'Turitea Call In'.	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED 09 MAR 2009 </div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> RECEIVED 10 MAR 2009 at MFE </div> <p style="margin-left: 150px;"><i>However 9/3 in P.O. box</i></p>
Name of Submitter: Title:	Professor	
Full Name(s):	Andrew Shilton	
Postal Address:	336 Greens Road Linton RD4 Palmerston North 4474	
Work Phone Number:	06 350 4199	
Home Phone Number:	027 5400032	
Cellphone Number:	021 046 4567	
Fax Number:		
This submission relates to all the applications for resource consent lodged by Mighty River Power Limited in respect of the Turitea Wind Farm. These are listed on pages 3-4 of this submission.		
The specific part(s) of the application that my submission relates to are:	All parts.	
I/we support that part/those parts) of the applications for the following reasons: <i>(Please include any additional reasons you consider relevant. You may use additional pages if necessary)</i>	We support the development of the Turitea Windfarm for the reasons set out in the attached submission.	
I/we seek the following decision from the Board of Inquiry:	That the applications be granted consent.	

I/we wish to be heard in respect of my/our submission (to speak at the public hearing):	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If others make a similar submission I will consider presenting a joint case with them at the hearing:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
Signature of Submitter(s):	
(a signature is not required if this submission is made by electronic means (via email). If this is a joint submission by two or more individuals, each individual's signature is required).	
Date:	
Address for Service of Submitter:	
Telephone Number:	
Fax Number:	
NOTE: A copy of this submission MUST also be sent to Mighty River Power at:	Freepost – MRP Mighty River Power Limited PO Box 445 Hamilton 3240 Attention: Stephanie Froggatt
OR email:	Turitea@mightyriver.co.nz
OR fax:	(07) 857 0197

LIST OF CONSENTS

Manawatu-Wanganui Regional Council (Horizons)

Land Use Consents:	<p>104553: for vegetation clearance and land disturbance in rare or threatened habitats, near streams and on highly erodible land throughout the general wind farm site; and</p> <p>104554: for the construction of a double culvert in an un-named tributary of the Kahuterawa Stream as shown on the map attached to the notification documentation.</p>
Discharge Permits:	<p>104555: for the discharge of dust to air from the concrete batching plants to be located as generally shown on the map attached to the notification documentation;</p> <p>104556: for the discharge of dust to air from the mobile crushing plant throughout the general wind farm site;</p> <p>104557: for the discharge of wastewater from two operations and maintenance facilities to land to be located as generally shown on the map attached to the notification documentation;</p> <p>104558: for the discharge of stormwater from substations to land to be located as generally shown on the map attached to the notification documentation;</p> <p>104559: for the discharge of cleanfill to land in the form of spoil disposal sites throughout the wind farm site; and</p> <p>104560: for the discharge of stormwater from roads and turbine platforms, and other areas to land.</p>

Palmerston North City Council

Land Use Consents (Reference RC 0068):	<ul style="list-style-type: none"> • To establish and operate a wind farm in the areas within the Palmerston North City jurisdiction as generally shown on the map attached to the notification documentation; • To undertake earthworks associated with tracking and roading, turbine construction and associated buildings in the areas within the Palmerston North city jurisdiction as generally shown on the map attached to the notification documentation; • For the western side of Pahiatua Aokautere Road not meeting access requirements at the location shown on the map attached to the notification documentation; • For the storage of diesel (10,000 L) in bunded areas outside the Turitea water supply catchment, generally located at the two substation laydown areas shown on the map attached to the notification documentation, that exceeds the 0.2 effects ratio maximum in the rural zone; and • For the construction of a 220 kV electricity transmission line and substations as shown on the map attached to the notification documentation.
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Tararua District Council

Land Use Consents (Reference 1448)	<ul style="list-style-type: none"> • For a wind farm (which is not listed as a permitted or controlled activity) in the areas within the Tararua District as generally shown on the map attached to the notification documentation;
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| | <ul style="list-style-type: none">• For land disturbance of more than 200m³ of soil and cleanfill material associated with tracking and roading, turbine construction, spoil disposal and other associated works in the areas within the Tararua District as generally shown on the map attached to the notification documentation;• For upgrades to South Range Road and the construction of new site access at the location shown on the map attached to the notification documentation;• For turbine and wind monitoring mast structures not meeting height requirements within the Tararua District;• For the modification of a Significant Natural Feature in Schedule 3.3 (i.e. Tararua Ranges Ridgeline);• For not meeting noise requirements; and• For clearance of indigenous vegetation in the areas within the Tararua District as generally shown on the map attached to the notification documentation. |
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Submission on Mighty River Power Ltd's Application for Resource Consent in Respect of Turitea Wind Farm

I own land at 336 Greens Road, Linton which is adjacent to the Turitea Reserve, and is the location of 3 or 4 possible turbines for the proposed Turitea Wind Farm. I have owned this property since 2003 and have accordingly watched as the other wind farms have been developed in the Manawatu region and understand they have brought significant benefit to the region, the country and to individual landowners.

I support the generation of electricity from renewable resources such as wind. I am concerned about the potential effects of climate change, and consider that the development of renewable electricity generation projects ought to be priority in the ongoing development of our countries energy infrastructure.

As an engineer I recognise the necessary environmental conditions for the construction and successful operation of a wind farm – a consistent wind speed and direction. Having spent years on my farm adjacent to the Turitea Reserve, I can believe the area does indeed possess these characteristics. However, anecdotal evidence aside, internationally, I understand that the Tararua Ranges are generally regarded as one of the best locations for wind farm operations in the world.

The selection of suitable locations for wind farms is a difficult task – it is not simply a case of picking a hill and putting a turbine on top. Just as was the case for hydro development in the 60's, engineering and economic constraints (for example proximity to the national grid) mean that there are a finite number of viable sites available to New Zealand.

It seems appropriate for a large metropolitan area such as Palmerston North to generate electricity locally if feasible. As I understand it, existing wind farms in the region are simply not of a large enough scale to provide sufficient electricity for the surrounding region. By comparison, the Turitea Wind Farm is expected to be able to provide sufficient electricity for 140,000 homes.

I accept that the development of the Turitea Wind Farm will inevitably result in some adverse effects. In the case of our property the impacts will be significant but we have worked through this with the developer and reached agreement to participate in and support this project. While the severity of noise and visual impacts is obviously subjective depending on the different individuals there is no doubt that these impacts do decrease exponentially with distance and thus in the context of impact on the wider region they progressively lessen. These minor impacts out in the greater region need to be balanced against benefits of the proposed Turitea Wind Farm. In addition to the benefits to be obtained directly from the generation of additional electricity the local wind farms has become an attraction for visitors to Palmerston North and have crated a profile for Palmerston North and Manawatu as a centre for renewable electricity generation. The development of the Turitea Wind Farm will also result in the injection of millions of dollars into the local community, an increase in construction jobs in the region.