

# SUBMISSION ON TRANSPOWER'S NOTICES OF REQUIREMENT AND APPLICATIONS FOR RESOURCE CONSENTS

Section 145 of the Resource Management Act 1991

RECEIVED ON

4 OCT 2007

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To: Minister for the Environment  
Freeport Grid Upgrade Submissions  
PO Box 4405  
Hamilton East  
HAMILTON 3247

OR Email: tpcallin@mfe.govt.nz  
Fax: 04 439 7700

[If you are emailing or faxing your submission, please make it for the attention of "Grid Upgrade Submissions"]

This submission relates to the notices of requirement and/or applications for resource consent, lodged by Transpower New Zealand Ltd for the North Island Grid Upgrade Project, and identified on the next page.

## CLOSING DATE FOR SUBMISSIONS: 5 OCTOBER 2007

Title: Mr

My/Our Full Name(s): Louis Ingle

Postal Address: 113 Skyhigh Rd, Hunua RD3 Papakura

Wk Ph: 9 2563090 Hm Ph: 9 2924617 Cell: 021 737511

Wk Fax: 9 2564432 Hm Fax: 9 2924617 Email:

Please tick the relevant boxes on the next page to identify whether you are making a submission on all notices of requirement and applications for resource consents or just some of them (please identify).

Please also indicate on the back of this form (✓) whether you support, oppose, or are neutral in relation to the notice(s) of requirement and applications for resource consents. If you are making a submission only on parts of a notice of requirement or application for resource consents, please note this when specifying the reasons for your submission.

The reasons for my/our submission are:

See Attached

If you are attaching further information tick (✓) for yes

Please use more pages if you need to.

I/we seek the following decision from the Board of Inquiry (provide precise details including the nature of any conditions sought):

See attached

Please use more pages if you need to.

Use a clear tick in the appropriate box below (✓)

I/we wish to be heard in support of my/our submission (to speak at the public hearing).

I/we DO NOT wish to be heard and hereby make my/our submission in writing only.

Signature(s): Louis Ingle

Date: 04 October 2007

(Signature of submitter, or person authorised to sign on their behalf is required. Note signature is not required for electronic (email) submissions. If this is a joint submission by two or more individuals, each individual's signature is required.)



Ministry for the  
Environment  
Manatū Mo Te Taiao

Use the tick boxes below to indicate the called-in notices of requirement and applications for resource consents that your submission concerns. Use a clear tick in the appropriate box or boxes (✓).

I/we make my/our submission concerning all notices of requirements and applications for resource consents below.

OR

My/our submission **only** concerns the notices of requirement and applications for resource consents that I/we have ticked below.

	Support	Oppose	Neutral
<b>Manukau City Council</b>			
Pakuranga Substation Notice of Requirement. Reference No. 27619			
Otahuhu Substation Notice of Requirement. Reference No. 27619			
Brownhill Substation Notice of Requirement. Reference No. 27619			
Underground Cable – Pakuranga to Brownhill Notice of Requirement. Reference No. 27619			
Underground Cable – Otahuhu to Brownhill Notice of Requirement. Reference No. 27619			
Overhead Line Notice of Requirement. Reference No. 27619			
<b>Franklin District Council</b>			
Overhead Line Notice of Requirement. Reference No. L07089			
<b>Waikato District Council</b>			
Overhead Line Notice of Requirement. Reference No. DES0011/07			
<b>Matamata-Piako District Council</b>			
Overhead Line Notice of Requirement. Reference No. RMR200621			
<b>Waipa District Council</b>			
Overhead Line Notice of Requirement. Reference No. DN/0006/07			
<b>South Waikato District Council</b>			
Overhead Line Notice of Requirement. Reference No. 240/021			
<b>Taupo District Council</b>			
Overhead Line Notice of Requirement. Reference No. RM070209			
Whakamaru and Whakamaru North Substation Notice of Requirement. Reference No. RM070209			
<b>Auckland Regional Council – Resource Consents</b>			
<i>Pakuranga to Brownhill Underground Cable Resource Consents</i>			
Application 34102: Land Use Consent for earthworks			
Application 34370: Discharge of Contaminants to land from ancillary activities that produce wastewater or washwater			
Application 34372: Works in the Bed of a Watercourse			
Application 34373: Diversion of Surface Water			
<i>Overhead Line and Brownhill Substation Resource Consents</i>			
Application 34711: Land Use Consent for earthworks			
Application 34712: Discharge of Contaminants to land			
<b>Environment Waikato – Resource Consents</b>			
<i>Overhead Line and Whakamaru North Substation Resource Consents</i>			
Application 116902: Land Use Consent for vegetation clearance and earthworks			
Application 116903: Discharge Permit for the composting of vegetation			
Application 116904: Land Use Consent for the drilling of tower foundation below the water table			
Application 116905: Discharge Permit for the discharge of site water and drilling fluids from drilling activities into surface water.			

**NOTE: A copy of this submission form must be sent as soon as possible at:**

North Island Grid Upgrade Project, Transpower Freepost 182915, PO Box 1021, Wellington  
or email [submissions@transpower.co.nz](mailto:submissions@transpower.co.nz) or fax 04 819 7624.

I/we make my/our submission concerning all notices of requirements and applications for resource consents below.

**The reasons for my submission are.**

I oppose all of the Transpower applications to build the new 400kV line.

The pylons and lines will be a visual eye sore for at least the next 70 years. We are supposed to be a clean green country however these pylons and lines do not give that impression. There are other better solutions from a visual point of view. Even Transpower admit the reason the pylons are so tall, up to 70 odd meters, because they will need less of them so it is cheaper. The taller they are the more visual impact they have.

Transpower have not carried out a full visual impact study, including exactly where the pylons are to be located and not just the currently point on a map plus or minus 40 metres.

Transpower are only requiring approximately a 65 metre easement, however some of the pylons are almost 70 meters tall. If any pylons fall over, and some have done so in the past, then they could fall outside the easement and onto private property. The easement width should be at least twice the height of the pylons plus the width of the base.

The 65 metre easement is based on the noise level from the lines and insulators. This is not wide enough for some of the new research being released on the effects of EMF. The easement width, which should be free of houses, buildings and workplaces, should be much wider than this to allow for the future health and environmental impacts.

In 70 years time, these pylons and lines will be incompatible with the increase in Auckland's urban and semi rural growth areas.

Even though the new pylons and lines are capable of 400kv, it will be a number of decades before this capacity is required. Environmentally, I would suggest, it would be preferable to build 220 kv lines and pylons and worry about the extra capacity in a few decades time when it is required. By then other options may be available or the whole situation may have changed and the extra capacity may no longer be required.

Transpower appear to have chosen one of the cheaper, or the cheapest solution, but not necessarily the best, or even the least impact, environmental solution. Other more environmentally friendly solutions are available – Lower voltage, Monopoles, re-conductor existing lines etc

**I seek the following decision from the Board of Enquiry**

That the applications be turned down completely.

If the applications are not turned down completely then:-

Underground the line from the Pakuranga termination, through Ardmore, Clevedon, Hunua, Paparimu to state highway 2.

Upgrade the existing lines.

Install lower voltage (220 kv) lines and pylons including environmentally friendly options e.g. monopoles etc.

The easement width is increased to a minimum of at least twice the height of the pylons plus the width of the base but maybe wider as a precautionary approach to mitigate the possible EMF effects.