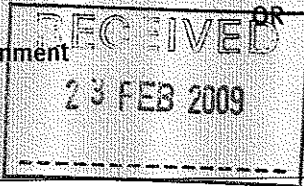


SUBMISSION ON MIGHTY RIVER POWER LTD APPLICATIONS FOR RESOURCE CONSENT

Section 145 of the Resource Management Act 1991

To: Freepost Call In
Ministry for the Environment
PO Box 10362
The Terrace
Wellington 6143



Email: turiteacallin@mfe.govt.nz
Fax: 04 439 7705

[Note: If you are emailing or faxing your submission, please mark in the subject line: 'Turitea Call In']

This submission relates to the applications for resource consent lodged by Mighty River Power Ltd for the Turitea Wind Farm proposal as identified on the next page.

CLOSING DATE AND TIME FOR SUBMISSIONS: 5.00 PM MONDAY 23 FEBRUARY 2009

Title: Mr Mrs Miss Ms (Please circle the appropriate title(s) or print clearly below)

My/Our Full Name(s): GARY WALTER MACKAY

Postal Address: 189 VOGEL STREET PAUMERSTON NORTH 4414

Work Ph: Home Ph: 063578499 Cell:

Work Fax: Home Fax: (LEAVE MESSAGE) Email:

Please tick the relevant boxes on the next page to identify whether you are making a submission on all applications for resource consent 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 applications. If you are making a submission only on parts of an application for resource consent, please note this when specifying the reasons for your submission.

The reasons for my/our submission are:

If you are attaching further information tick for yes

1/ [MY GREAT CONCERN FOR THE STATE OF OUR GLOBAL ENVIRONMENT, (REGARDS TO THE CONTINUOUS RELEASE OF CO2 AND OTHER GREEN HOUSE GASES INTO THE ATMOSPHERE AND OCEANS), WIND ENERGY IS ONE OF THE ONLY PRACTICAL MEANS TO REDUCE OUR CO2 AND GREEN HOUSE GASES AND MEET OUR NATIONAL TARGET OF 90% SEPARATION FROM RENEWABLE ENERGY BY 2025] 2/ [TO TAKE GREATER CARE OF OUR ENVIRONMENT WITH THIS WIND TURBINE PROJECT THAN WAS TAKEN WITH PAST WIND TURBINE PROJECTS]. 3 [TO SET NATIONAL STANDARDS WITH WIND TURBINES WITHIN NEW ZEALAND].

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

1/ [THAT THE MINISTER FOR THE ENVIRONMENT, HON. DR NICK SMITH PROVIDE AND SETUP FUNDING AND RESOURCES TO MONITOR THE REDUCTION OF CO2 & GREEN HOUSE GASES ONCE THIS PROJECT IS FINISHED AND ~~OR~~ OR GENERATING ELECTRICITY, WE MUST KNOW (THE PUBLIC) IF WE ARE MAKING A DIFFERENCE]. 2/ [THAT MIGHTY RIVER POWER & POSSIBLE SUPPORT FROM OTHER GOVERNMENT DEPARTMENTS (ENVIRONMENT, CONSERVATION ETC) PROVIDE FUNDING & SUPPORT FOR ZERO WASTE ON TURBINE PROJECT, HAVE NEW ZEALAND APPOINTED STAFF TO OPERATE TURBINE PROJECT, SUPPLY FULL TIME CONSERVATION STAFF FOR TURBINE PROJECT AND MONITOR STAFF WORKING CONDITIONS ON TURBINE PROJECT]. 3/ [NATIONAL STANDARDS ON TYPES OF TURBINES, NO OF BLADES ETC, HEIGHTS OF TURBINES, USING OCCUPATIONAL SAFETY & HEALTH, LABOUR DEPARTMENT, ~~THE~~ DRUG & ALCOHOL TESTING ETC.

I/we wish to be heard in respect of my/our submission (to speak at the public hearing).
DISTANCE, NOISE, HOURS OF WORK ON PROJECT, RATIO OF OVERSEAS PEOPLE TO N/Z STAFF ETC.
I/we DO NOT wish to be heard and hereby make my/our submission in writing only.

Signature(s): S.W. Mackay

Date: 22/02/2009

(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.)



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

I/we make my/our submission concerning all applications for resource consent below

OR
My/our submission only concerns the applications for resource consent that I/we have ticked below:

Support Oppose Neutral

	Support	Oppose	Neutral
Manawatu-Wanganui (Horizons) Regional Council – Land-use Consents			
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.	✓		
104554: for the construction of a double culvert in an un-named tributary of the Kahuterawa Stream as shown on the included map.	✓		
Manawatu-Wanganui (Horizons) Regional Council – Discharge Permits			
104555: for the discharge of dust to air from the concrete batching plants to be located as generally shown on the included map.	✓		
104556: for the discharge of dust to air from the mobile crushing plant throughout the general wind farm site.	✓		
104557: for the discharge of wastewater from two operations and maintenance facilities to land to be located as generally shown on the included map.	✓		
104558: for the discharge of stormwater from substations to land to be located as generally shown on the included map.	✓		
104559: for the discharge of cleanfill to land in the form of spoil disposal sites throughout the general wind farm site.	✓		
104560: for the discharge of stormwater from roads, turbine platforms and other areas to land.	✓		
Palmerston North City Council – Land-use Consents			
RC0068: <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 included map 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 included map for the western side of Pahiatua Aokautere Road not meeting access requirements at the location shown on the included map 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 included map, that exceeds the 0.2 effects ratio maximum in the rural zone for the construction of a 220 kV electricity transmission line and substations as shown on the included map. 	✓ ✓ ✓ ✓ ✓		
Tararua District Council – Land-use Consents			
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 included map for land disturbance of more than 200 m³ 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 included map for upgrades to South Range Road and the construction of new site access at the location shown on the included map 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 (ie, Tararua Ranges Ridgeline) for not meeting noise requirements for clearance of indigenous vegetation in the areas within the Tararua District as generally shown on the included map. 	✓ ✓ ✓ ✓ ✓ ✓ ✓		

NOTE: A copy of this submission form MUST also be sent to Mighty River Power Ltd at:

Freepost – MRP
Mighty River Power Ltd
PO Box 445
Hamilton 3240
Attention: Stephanie Froggatt

Or email turitea@mightyriver.co.nz or fax (07) 857 0192

I/we have sent a copy of my/our submission to Mighty River Power Ltd as per Section 96(4) of the RMA.



Ministry for the
Environment
Manatū Mo Te Taiao

New Zealand Government

22/02/2009

"MINISTRY FOR THE ENVIRONMENT"

GARY MACLAY, 189 VOGEL ST, PALM NORTH 444

"FURTHER INFORMATION" PAGE ①

1/ GLOBAL ENVIRONMENT — WE MUST REDUCE OUR RISING CO₂ LEVELS AND OTHER GREEN HOUSE GAS EMISSIONS BOTH WITHIN NEW ZEALAND AND ON A GLOBAL SCALE. BY REDUCING THESE LEVELS OF EMISSIONS WE WILL WITH TIME POSSIBLY REDUCE THE IMPACT ON POLAR REGIONS AND THE CONTINUED ACIDIFICATION OF OUR OCEANS. WE MUST ENSURE THAT WE LEAVE THIS PLANET EARTH IN A HABITABLE CONDITION FOR GENERATIONS TO COME.

IN LESS THAN 16 YEARS 90% OF OUR ELECTRICITY GENERATION MUST COME FROM RENEWABLE ENERGY. DO WE BUILD MORE DAMS AND FLOOD LARGE AREAS OF LAND, MUCH NEEDED NOW FOR FOOD PRODUCTION. WE CAN'T JUST GO OUT AND BURN MORE FOSSIL FUEL. SOME PEOPLE INCLUDING SOME POLITICIANS SAY, "THERE IS NOTHING TRUE ABOUT GLOBAL WARMING OR CLIMATE CHANGE, IT IS A NORMAL THING. IT HAS HAPPENED BEFORE AND IT WILL HAPPEN AGAIN, MANKIND HAS NOTHING TO DO WITH IT."

I WISH THIS WAS TRUE, BECAUSE THEN THERE WOULD BE NO MORE REASON TO CARRY ON WRITING UP THIS SUBMISSION. I COULD GO TO BED EARLY AND SLEEP WELL EVERY NIGHT.

I CAN ALWAYS REMEMBER AS A KID LOOKING AT AN OLD SCIENCE BOOK PRINTED FOR NEW ZEALAND HIGH SCHOOLS IN THE 1920^S OR 30^S, WELL BEFORE I WAS BORN. THERE WAS A PHOTO OR DRAWING ABOUT AN EXPERIMENT WITH A LARGE BELL JAR AND PLACING A LIVE MOUSE UNDERNEATH IT, OF COURSE THE NEXT PHOTO OR DRAWING SHOWED A BELL JAR WITH THE MOUSE, NOW DEAD, SUFFOCATION THROUGH LACK OF OXYGEN OR CO₂ BUILD UP? IN MY LIFE TIME WILL I SEE THIS EXPERIMENT REPEATED AGAIN ON A GLOBAL SCALE USING THE HUMAN RACE INSTEAD OF MICE. LET'S LEAVE THESE EXPERIMENTS TO THE LABORATORY. AND GET ON LIVING OUTSIDE, THERE IS A LOT TO SEE AND DO.

WE ARE A NATION OF WASTE, WE POLLUTE OUR WATERWAYS AND OCEANS, WE POLLUTE THE LAND AND THE AIR WE BREATHE, WE ARE NOT THAT ENERGY EFFICIENT AT WORK AND AT HOME.

GLOBAL ENVIRONMENT

GARY MACLAY, 189 VOLVEL
ST, PALM NORTH. 4414.

CONTINUED.

PAGE (2)

I BELIEVE WE MUST START SEEING THINGS IN OUR ENVIRONMENT THAT ENCOURAGE US TO LIVE A SMARTER, CLEANER, GREENER LIFE STYLE, WIND TURBINES ARE A GOOD START.

THEY USE SOMETHING WHICH IS FREE, RENEWABLE, AND DOSE COME WITH A BIT OF DUST SOMETIMES, WIND ENERGY.

WHETHER WE LIKE THEM OR NOT FROM OUR BACKYARD VIEW CLOSE BY OR FROM FAR AWAY. THEY ARE AT THIS STAGE THE ONLY VIABLE MEANS TO GENERATE LARGE AMOUNTS OF RENEWABLE ENERGY, ELECTRICITY, USING A NATURAL FORCE, WIND.

AN EXAMPLE WOULD BE ONE OF THE LARGE V90 WIND TURBINES ON TARARUA STAGE III A 3 MW WIND GENERATOR. IT PRODUCED ABOUT 1.2 MILLION KWH IN ONE MONTH. THE AVERAGE HOME MIGHT USE BETWEEN 500 TO 1000 KWH MONTH. THATS ABOUT 2,000 OR MORE HOMES WORTH. TRY AND GET THAT SORT OF ENERGY FROM SOLAR CELLS, YOU WOULD COVER HALF THE SOUTH ISLAND WITH THEM.

ON THIS SUBJECT ABOUT WIND TURBINES I WAS LUCKY OR NOT TO HAVE BEEN INVOLVED IN THE ERECTION OF THESE GIANT OF MACHINES ON TARARUA STAGE III. ONE DAY WHILE WORKING ON TURBINE NO 31 I THINK I PASSED A LARGE NATIVE TREE BELOW IN A GULLY. IT WAS AN OLD RIMU TREE. I WAS DETERMINED TO SEE THIS TREE CLOSE AT HAND BEFORE THIS TURBINE CONTRACT FINISHED. I'M GLAD THAT I MADE THE EFFORT AND VISITED THIS GIANT LIKE THOSE WIND TURBINES. I WOULD HAVE BEEN THE ONLY ONE ON THAT WHOLE SITE THAT SAW THAT RIMU. BESIDES THE SHEEP FARMER THAT OWNED THE PROPERTY.

THE DAY CAME AND AS I CLIMBED OVER FENCES AND CLIMBED DOWN STEEP SLOPES, I REACHED THAT GIANT AMONGST TREES A SURVIVOR FROM THE ORIGINAL NATIVE FOREST. IT WAS TRULY HUGE I STOOD WITH MY CHEST AGAINST ITS TRUNK MY ARMS OUT - STRETCHED I COULD ONLY JUST REACH HALF WAY ROUND THE TRUNK.

✓ IT CLIMBED STRAIGHT UP TO ABOUT 10 METRES HIGH. MY ARMS
OUTSTRETCHED IS ABOUT 1.83 METRE (6 FEET) THAT'S A TRUNK
DIAMETER OF ABOUT 1.2 M. I HAVE A RIMU AT HOME ITS TRUNK
IS ABOUT 150 MM ϕ 0.15 M ITS GOT A LOT OF GROWING TO DO.
IN THE BACK GROUND VIEW BEHIND THE TREE AND PARTLY
HIDDEN BY A HILL THE BLADES OF A WIND TURBINE TURNED
A V47. ABOUT 0.64 MW GENERATOR. IT CAME TO MY MIND
THAT THIS LIVING THING A RIMU WAS HUNDREDS OF YEARS OLD
IT WAS GROWING WHEN CAPTAIN COOK FOUND NEW ZEALAND
IN 1770. WHAT CREATURES HAVE RESTED UNDER ITS BRANCHES.
NOW FOREVER GONE? ITS STILL GROWING AND IF LEFT ALONE
WILL OUT LIVE US, ITS A SURVIVOR. THINKING ABOUT THIS TREE
GIVES ME HOPE FOR THE FUTURE. I ONLY HOPE YOU MAKE
THE RIGHT CHOICE WITH THIS MIGHTY RIVER POWER PROJECT.
KIND REGARDS

GARY MACKEY

G.W. Mackey