

### TrustPower Limited

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### ANNUAL REPORT TEMPLATE FOR WIND FARM PROJECTS (Individual contract)

Project Title: Tararua Wind Farm - Stage II

**Description of Project:** Wind Farm located in Tararua ranges consisting of 55

Vestas V47-660 kW turbines.

Company: TrustPower Limited

Year Reported on: 2008

(1) Break down and total of emissions generated during construction using the emission factors listed in Schedule 2 (if applicable to the year being reported on).

Not applicable

(2) Once abatement commences the following, if applicable to your project, to be recorded if used in its operation:

Not applicable

Reminder: Emission Reductions cannot exist until after the requirements of 4.4 have been met.

(3) A record of the amount of electricity exported by the Project during the year. The following table records the output for each Stage II turbine as generated at the machine.

Revenue Meter	kWh OR	Turbine Identifier	kWh
		WT017	2,437,992
		WT018	2,429,094
		WT019	2,465,758
		WT052	2,201,701
***		WT053	2,284,559
		WT054	2,136,834
		WT055	2,312,139
		WT056	2,375,270
		WT057	2,359,903
		WT058	2,324,216
		WT059	2,343,327
		WT060	2,547,304
		WT061	2,420,577
		WT062	2,245,593
•		WT063	2,470,146
		WT064	2,479,106
		WT065	2,289,263

	WT066 WT067	2,070,461 1,961,759
	WT068	2,201,608
	WT069	2,176,022
	WT070	1,857,431
	WT071	2,145,656
	WT072	2,268,264
	WT073	2,042,284
	WT074	2,219,366
	WT075	2,146,215
	WT076	2,564,703
	WT077	2,642,714
	WT078	2,571,418
	WT079	2,294,714
	WT080	2,296,406
	WT081	2,533,403
	WT082	2,301,990
	WT083	2,333,722
	WT084	2,301,619
	WT085	2,199,449
	WT086	2,287,023
	WT087	2,301,045
	WT088	2,308,195
	WT089	2,396,162
	WT090	2,432,152
	WT091	2,384,764
	WT092	2,480,530
	WT093	2,355,936
	WT094	2,311,327
	WT095	2,427,428
	WT096	3,041,675
1	WT097	2,967,327
	WT098	2,967,327
	WT099	
	WT100	2,977,009 2,902,091
	WT101	
	WT102	2,896,644 2,770,416
	WT103	2,820,419
Total Electricity		
Generated (GWh)	55	132

(4) Identify and measure any other generation that is not part of the project that flows through the above meters. (This generation to be subtracted from the metered generation to determine the electricity output of the project).

Above data is measured at the turbine.

Element and Measure	Total
Electricity (GWh)	0

(5) If the electricity is measured at the turbine provide an estimate of electrical losses at the wind farm and before connection to the lines network or Transpower grid. (Attach calculations.)

The total generation measured at all machines for the year was 245.564 GWh and the total generated by stage II was 132.284 GWh.

The total metered output to the Powerco Network was 241,662 GWh, giving eligible generation of 130.182 GWh.

Electrical Losses for the site was 1.59%.

Calculation (245.564 - 241.662)/245.564

(6) A record of the amount of tCO<sub>2</sub>-e Emission Reductions resulting from the Project during the year determined by the relevant emission factors as per Schedule 2 of the Project Agreement. The construction emissions should be subtracted from this total for each of the years that are reported on when construction takes place. Once abatement commences the total of any emissions recorded in (2) above should be subtracted from the total (if applicable to your project).

No schedule 2 in Tararua II Project Agreement.

Element	Annual Production	Factor	t CO2-e
Electricity (GWh) (3)		600 tonnes per GWh	
		Less construction emissions and/or other project emissions (1),(2)	
Less other generation not part of the project, recorded by the meters (GWh) (4)	-	600 tonnes per GWh	
		Net Emission Reductions for the year	

(7) Emission Units claimed for the year using the emission ratio "C" set out in Clause 5.1 of the Project Agreement.

As per clause 5.1b of Tararua II contract. (2008 verified Eligible Generation/646.5 GWh) x 228,000 units

(130.182/646.5 GWh) x 228,000 = 45,911

(8) Advice on the location of the meters or how the generation was measured. (At the turbines, or/and at the revenue meter point of entry into the lines network or the

(currently EMS). The meters are located at the turbines and at the point of entry into the Powerco Network. (9) Evidence that the metering and recording equipment has been certified by a reputable, independent quality assurance service provider. See attached certificates. (10) A statement detailing anything that has, or has the potential, to be an impediment to achieving the agreed emission reductions during commitment period one. TrustPower is not aware of any impediments to the delivery of Eligible Generation during the Commitment Period. (11) A statement identifying that this report: has been prepared using the methodology of Schedule 2 - Methodology for Determining Emission Reductions (or otherwise as detailed in section ... of this report) meets all other requirements of Schedule 4 - Contents for Annual Reports, of the Project Agreement. The information in this report meets all the requirements of Clause 6.1 b of the Project Agreement. SALES & MARKETING Clause 6.1.b.v. requires disclosure of any sales or marketing activity. TrustPower has entered into a forward sales agreement for the emission reductions generated by the project in the

national grid, (as the case may be), or/and by National Reconciliation Manager.

Commitment Period.

Signature:

Position: Peter Calderwood

Strategic Business

Development Manager

Date:

12/2/09

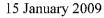
### **Unit Transfer Details**

Please Note: To obtain the emission reduction units you will need a NZEUR account to transfer the agreed/allowed Emission Units.

1	Project name:	Tararua Wind Farm
2	Name of the project developer:	TrustPower Limited
3	Project ID:	NZ- 1000003
4	Calendar year for which units are being transferred:	2008
5	Participant's account identifier:	NZ- 1060 TrustPower Limited
6	Quantity of units (7):	45,911
7	Type of units:	ERU

Note: Units can only be awarded for Emission Reductions during CP1, i.e. from 2008 to 2012.





The Manager - Climate Change Implementation Ministry for the Environment PO Box 10362 Wellington New Zealand 6001

Subject: Verification of Annual Generation from Tararua Wind Farm North

Dear Philip,

As an Electricity Commission Approved Half Hour Data Administrator, responsible for TrustPower's submissions to the Market I can confirm that the following Energy data (below) is an accurate reflection of volume submitted to the Market for the 2008 year for the Tararua North Wind Farm.

TrustPower Limited HEAD OFFICE Truman Road, Te Maunga Mt Maunganui Postal Address:

Private Bag 12023, Tauranga. Telephone: 07 574 4800 Facsimile: 07 574 4825

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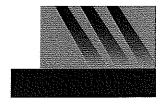
	,	Annual Generation
kwh	Meter ID	Description
115,664,395	684	Tararua Wind Farm Nth Generation (BPE)

Yours sincerely,

Matthew James

Manager Data Management





### TrustPower Limited

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EMAIL

trustpower@trustpower.co.nz WEBSITE

WWW.trustbower.co.nz

15 January 2009

The Manager - Climate Change Implementation Ministry for the Environment PO Box 10362 Wellington New Zealand 6001

Subject: Verification of Annual Generation from Tararua Wind Farm South

Dear Philip,

As an Electricity Commission Approved Half Hour Data Administrator, responsible for TrustPower's submissions to the Market I can confirm that the following Energy data (below) is an accurate reflection of volume submitted to the Market for the 2008 year for the Tararua South Wind Farm.

125,997,880	685	Tararua Wind Farm Sth Generation (LTN)
kwh	Meter ID	Description
	A	nnual Generation

Yours sincerely,

Matthew James

Manager Data Management

## Certificate of Compliance

This is to certify that

# Tararua Wind Farm North Farm Metering Installation

ICP No. N/A

Revenue Metering Installation

Certified for

TrustPower Limited

Complies with

The Electricity Governance Rules – 16 December 2003.

Certification Date: 23-Nov-2007 Certification Expiry Date: 17-Dec-2008

R Mann - Technical Manager

AccuCal

The record of certification tests is contained within Certification Report No: CERT-2007-237



This Laboratory is registered with the Electricity Commission as a class A approved test house.



The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

### Certificate of Compliance

This is to certify that

# Tararua Wind Farm 33kV North

ICP No. N/A

Revenue Metering Installation

Certified for

TrustPower Limited

Complies with

The Electricity Governance Rules – 16 December 2003.

Certification Date: 17-Dec-2008 Certification Expiry Date: 27-Nov-2010

Condition of Certification:- N/A

R Mann – Technical Manager

AccuCal

The record of certification tests is contained within Certification Report No: CERT-2008-208



This Laboratory is registered with the Electricity Commission as a class A approved test house.



The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

## Certificate of Compliance

This is to certify that

# Tararua Wind Farm South Farm Metering Installation

ICP No. N/A

Revenue Metering Installation

Certified for

TrustPower Limited

Complies with

The Electricity Governance Rules – 16 December 2003.

Certification Date: 23-Nov-2007 Certification Expiry Date: 18-Dec-2008

R Mann - Technical Manager

AccuCal

The record of certification tests is contained within Certification Report No: CERT-2007-238



This Laboratory is registered with the Electricity Commission as a class A approved test house.



The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

### Certificate of Compliance

This is to certify that

# Tararua Wind Farm 33kV South

ICP No. N/A

Revenue Metering Installation

Certified for

TrustPower Limited

Complies with

The Electricity Governance Rules – 16 December 2003.

Certification Date: 17-Dec-2008 Certification Expiry Date: 27-Nov-2010

Condition of Certification: - N/A

R Mann – Technical Manager

AccuCal

The record of certification tests is contained within Certification Report No: CERT-2008-208



This Laboratory is registered with the Electricity Commission as a class A approved test house.



The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

VGCS	•	
STGIWTG	kWh	
WT001	2,230,414 <b>TOTAL</b> 113,280,690	
WT002	2,357,173	
WT003	1,764,981	
WT004	2,327,244	
WT005	2,303,173	
WT006	2,143,673	
WT007	2,379,020	
WT008	2,275,503	
WT009	2,301,676	
WT010	2,099,422	
WT011	2,415,060	
WT012	2,457,864	
WT013	2,513,723	
WT014	2,515,187	
WT015	2,432,776	
WT016	2,286,417	
WT020	2,355,722	
WT021	2,394,390	
WT022	2,665,881	
WT023	2,649,164	
WT024	2,614,839	
WT025	2,871,285	
WT026	2,638,566	
WT027	2,580,988	
WT028	2,867,728	
WT029	2,324,625	
WT030	1,780,901	
WT031	2,505,738	
WT032	2,646,894	
WT033	2,367,898	
WT034	2,347,203	
WT035	2,580,561	
WT036	2,254,478	
WT037	2,631,091	
WT038	1,627,958	
WT039	2,200,819	
WT040	2,277,591	
WT041	2,257,720	
WT042	2,233,804	
WT043	2,273,078	
WT044	2,386,560	
WT045	2,506,619	
WT046	2,407,030	
WT047	1,938,838	
WT048	2,503,665	
WT049	2,349,706	
WT050	2,284,111	
WT051	2,151,933	