

# Status of New Zealand Wind Energy Projects

As at 29 June 2009 rev.A

## Fully Operational Wind Farms

Wind farm	Operator	Region	No. Turbines	Turbine Capacity (MW)	Total Capacity (MW)	Year Completed
Brooklyn	Meridian	Wellington	1	0.225	0.225	1993
Gebbies Pass	Windflow	Canterbury	1	0.5	0.5	2003
Hau Nui	Genesis	Wairarapa	15		8.7	
			Stage 2: 8	0.60	4.8	2004
			Stage 1: 7	0.55	3.9	1996
Southbridge	Energy3	Canterbury	1	0.1	0.1	2005
Taranua	TrustPower	Manawatu	134		161.0	
			Stage 3: 31	3.0	93.0	2007
			Stage 2: 55	0.66	36.3	2004
			Stage 1: 48	0.66	31.7	1999
Te Apiti	Meridian	Manawatu	55	1.65	90.8	2004
White Hill	Meridian	Southland	29	2.0	58.0	2007
<b>Total operating</b>			<b>236</b>		<b>319.3</b>	

## Wind Farms under construction

Wind farm	Operator	Region	No. Turbines	Turbine Capacity (MW)	Total Capacity (MW)	Year Completed
Te Rere Hau	NZ Windfarms	Manawatu	97	0.5	48.5	2010
			Operating: 43*		21.5	2006, 2008-09
West Wind	Meridian	Wellington	62	2.3	142.6	2009
			Operating: 28#		64.4	2009
Horseshoe Bend	Pioneer Generation	Central Otago	3	0.75	2.25	2009
<b>Total operating at June 2009:</b>			<b>307</b>		<b>405.2</b>	
<b>Total at completion:</b>			<b>398</b>		<b>512.7</b>	

\* NZ Windfarms Ltd. press release of 29 May 2009, giving status at 28 May 2009 (see <http://www.nzwindfarms.co.nz/nzx-announcement-progress-update>)

# As per Meridian Energy presentation to Electricity Commission, 25 June 2009 (see <http://www.electricitycommission.govt.nz/pdfs/opdev/modelling/workshops/wind-hydrology/Westwind.pdf>)

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### Projects with resource consent

Site	Developer	Project Capacity (MW)	Max. Expected Output* (GWh)	Region	Application status	Application publicly notified
Awhitu	Genesis	Up to 18	40	Franklin	Consented after appeal but on hold	April 2004
Titikura	Unison/ Roaring 40s	Up to 48	175	Hastings	Consented after appeal	April 2005
Hawkes Bay	Hawkes Bay Wind Farm	Up to 225	Up to 800	Hastings	Consented after appeal	May 2005
Taumatotara	Ventus	Up to 20	(Unknown)	Waikato	Consented but on hold	(Unknown)
Motorimu	Allco Wind Energy	Up to 68	200	Manawatu	Consented after appeal but on hold	August 2006
Mahinerangi	TrustPower	Up to 200	Up to 788	Clutha	Consented after appeal	November 2006
Te Uku	Meridian Energy WEL Networks	64	Approx. 240	Waikato	Consented after appeal (settled in mediation)	July 2007
Kaiwera Downs	TrustPower	Up to 240	Up to 904	Gore	Consented after appeal (settled in mediation)	November 2007
Weld Cone	Energy3	Up to 1.5	Approx. 5	Marlborough	Consented	November 2008

\* Maximum expected output figures have been taken from the resource consent application where available (and adjusted where necessary by NZWEA based on the outcome of the resource consent decision).

- The 'Awhitu' project has been identified by the developer as being unlikely to be constructed for commercial reasons (project scale makes the project uneconomic with current and forecast capital costs).
- The developer of the 'Motorimu' project has been placed in bankruptcy and NZWEA understands that this project has not been sold. In the circumstances it appears unlikely at the current time that this project will be completed.

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### Projects in Environment Court or 'Called In' to Board of Inquiry

Site	Developer	Project Capacity (MW)	Max. Expected Output* (GWh)	Region	Application Status	Application Publicly Notified
Project Hayes	Meridian	Up to 630	Up to 2,050	Central Otago	Consented but appealed	November 2006
Taharoa	Taharoa C	up to 100	(Unknown)	Waikato	Consented but appealed	(Unknown)
Central Wind	Meridian Energy	Up to 130	Approx. 400	Ruapehu & Rangitikei	Consented but appealed	July 2008
Mill Creek	Meridian Energy	Up to 71	270	Wellington	Consented but appealed	April 2008
Mt Cass	MainPower	Up to 69	Up to approx. 200	Hurunui	Declined -decision appealed	June 2008
Waitahora	Contact Energy	Up to 177	Up to 700	Southern Hawkes Bay	Declined - decision appealed	September 2008
Hauāuru mā raki	Contact Energy	Up to 540	Up to 1,600	Waikato	Called In – hearing adjourned	September 2008
Turitea	Mighty River Power	Up to 360	Up to 1,146	Manawatu	Called In – Hearing starts 6 July	January 2009

\* Maximum expected output figures have been taken from the resource consent application where available (or calculated by NZWEA based on information provided in the application).

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### Projects with applications yet to be determined

Site	Developer	Project Capacity (MW)	Max. Expected Output* (GWh)	Region	Application Status	Application Publicly Notified
Mt Stuart	Pioneer Generation	Up to 6	Up to 19	Clutha	Application on hold	December 2008
Long Gully	Windflow	Up to 12.5	Up to 50	Wellington	Application publicly notified	May 2009
Te Rere Hau Extension	NZ Windfarms	Up to 28	Up to 95	Manawatu	Application publicly notified	June 2009

\* Maximum expected output figures have been taken from the resource consent application where available (or calculated by NZWEA based on information provided in the application).