

**2014 NZ Wind Energy Conference and Exhibition 14-16 April, Te Papa, Wellington  
PROGRAMME (as at 7 April 2014)**

<b>Monday</b>					
<b>12.45</b>			Wind farm tour to Mill Creek		
<b>5.00</b>			<b>Welcome function, opening of the exhibition hall</b>		
<b>Tuesday</b>					
<b>8.50</b>	10	Welcome	Opening Address - John Milford, President of Wellington Chamber of Commerce		
<b>9am</b>	5	Welcome	Blair Walter, Chair of NZWEA		
9.05	20+5	Keynote	<b>Keynote: Investment in the age of renewables</b> , Mike Eckhart, Managing Director, Citi Corporate and Investment Banking		
9.30	20+5	Keynote	<b>Keynote: Wind is the New Baseload</b> , Dr Jenny Riesz, Research Associate at the Centre for Energy and Environmental Markets at the University of New		
9.55	20+5	Keynote	<b>Keynote: The impact of wind energy on wildlife</b> , Dr Manuela Huso, Research Statistician, USGS Forest and Rangeland Ecosystem Science Center		
10.20	20+5	Keynote	<b>Keynote: Iwi Development and Medium Scale Wind</b> , Chris Karamea Insley, Climate Change Iwi Leadership Group		
10.45	10	Summation	Eric Pyle		
<b>10.55</b>	<b>30</b>		<b>Morning tea</b>		
<b>11.25</b>	5	intro to session	<b>Strategy and investment for wind energy and the electricity sector</b>	<b>Operations and maintenance</b>	<b>Wind and wildlife</b>
11.30	20	Presentation 1	Panel including Mike Eckhart, Jenny Riesz, Kobad Bhavnagri, Doug Goodwin, Ben Gerritson, Nick Lewis, Paul Ravlich, Chris Insley	Chris Buller - SMART Applications, Asset Tracking & the Wind Industry	Di Robertson, Boffa Miskell - Falcon productivity at White Hill Windfarm
11.50	20	Presentation 2		David Horsfall, AH Gears - Design enhancements for Gear Boxes and Yaw Drives in Wind Turbines	Cindy Hull, Hydro Tasmania - Indirect (disturbance) impact of wind farms on birds: can it be measured?
12.10	20	Presentation 3		Ian Lees, Trustpower - Broken at the Age of 15!	Ian Smales, Biosis - An overview of the Biosis Collision Risk Model
12.25	10	Questions	Chair: Eric Pyle	Chair: Jon Olson, Siemens	Chair: Emma Bennett, Elmoby Ecology
<b>12.35</b>	<b>70</b>		<b>Lunch</b>		
<b>1.45</b>	5	intro to session	<b>The market and wind</b>	<b>Health and Safety 1</b>	<b>Wind and wildlife</b>
1.50	20	Presentation 1	Jenny Riesz, University of NSW - Market Design for Integrating Wind	Tom McDaniel, Siemens - Human Performance and Wind	Manuela Huso, USGS - Estimating bird and bat fatality at wind farms: How far we've come, where we have yet to go
2.10	20	Presentation 2	Stephanie Cook, Trustpower - Integrating Wind & Hydro: A Mahinerangi Case Study	Alan Cooper, WorkSafe - New regulations, future enforcement and WorkSafe	Aaron Organ, Ecology and Heritage Partners - Broilgas and WInd Farms: recent knowledge gains, the Interim Guidelines and key future issues
2.30	20	Presentation 3	Heidi Heath & Mohamed Zavahir, Transpower - System Operations Update: HVDC operation, Ancillary Services, Dispatch Gate Closure	Russell Thomas, Meridian - Theory into Practice	Emma Bennett, Elmoby Ecology - Using dogs in wildlife research
2.50	20	Presentation 4	Mark Purcell, DNV-GL - Making the Business Case: The State of the Art in Energy Assessments	Lyn McCurdy, UCOL - Training the next generation of wind technicians	Ian Boothroyd, Golder Associates - Wind and Water: impacts of windfarms on freshwaters in New Zealand
3.10	10	Questions	Chair: Paul Botha, Meridian	Chair: Ollie Manins, TrustPower	Chair: Di Robertson, Boffa Miskell

<b>3.20</b>	30		<b>Afternoon tea</b>		
<b>3.50</b>	5	intro to session	<b>Drivers and opportunities: Influencing the growth of wind</b>	<b>Health and safety 2</b>	<b>Wind and wildlife</b>
3.55	20	Presentation 1	Stephen Drew, EnerNOC - Adding value to wind	Phil Hokianga, Vertical Horizons & Ian Boslem, Siemens - GWO Certification: What does it mean?	Mark Venosta, Bosis - Mitigating potential impacts to Brologa at proposed Victorian Wind Energy Facilities
4.15	20	Presentation 2	Philip Wong Too, DNV-GL - NZ Wind Energy Outlook	Nathaniel Janke-Gilman, Meridian - Wind Turbine Safety Rules	Nick Graham-Higgs - NGH Environmental - Earless, Legless, Homeless?? - an exploration of mitigation measures to reduce impact to threatened reptiles and grassland at the Boco Rock Wind Farm
4.35	20	Presentation 3	Ann Smith, carboNZero - Making Carbon Zero the next stage: Electricity Certification in NZ	Scott McLeod, Crane Association - What makes a good lift plan?	The Future of Wind and Wildlife in Australasia: A Facilitated Discussion led by Ian Boothroyd and Stephen Fuller
4.55	10	Questions	Chair: Ken McAlpine, Vestas	Chair: Al Yates, Wind Farm Group	Chair: Ian Boothroyd, Golder Associates
<b>5.05</b>	5	intro	<b>The future of the electricity sector, renewables, and wind energy in NZ</b>		
<b>5.10</b>	40+10		Simon Bridges, David Shearer, Gareth Hughes. Chair: Patrick Smellie		
<b>6.00</b>			<b>Clear all Delegates to the Foyer</b>		
<b>6.30</b>			<b>Drinks</b>		
<b>7pm</b>			<b>Conference Dinner</b>		
<b>Wednes day</b>					
9.00		Plenary Panel	<b>A Safe Future for the environment, the electricity system, investors, business, and workers.</b>		
	5	Welcome	Eric Pyle		
9.05	20+5	Keynote	<b>Keynote: Overview of global trends in the energy industry</b> , Kobad Bhavnagri, Head of Australia, Bloomberg New Energy Finance		
9.30	20+5	Keynote	<b>Keynote: - Zero Harm Culture</b> , Tom McDaniel, Manager Zero Harm and Human Performance, Siemens Energy		
<b>9.55</b>	40		<b>Morning tea</b>		
<b>10.35</b>	5	intro to session	<b>Experience in other countries</b>	<b>Technology development</b>	<b>Engaging communities and officials</b>
10.40	20	Presentation 1	Mike Allen, Foreign Affairs and Trade - They're from New Zealand, they're good at renewables	Ben Inkster, Parsons Brinckerhoff - Using remote sensing to Reduce Wind Energy Uncertainty	Wyatt Page, Massey University - A semi empirical field investigation into the relationship between LA90 and Laeq Wind Turbine Sound Level Descriptors in New Zealand
11am	20	Presentation 2	Jim Pearson, Trustpower - Lessons from Across the Ditch	Tony Rovers, Meridian - Power Performance using Sodar	Malcolm Alexander, Local Government NZ - Local Government Relations
11.20	20	Presentation 3	Blair Walter, Aurecon - Getting projects across the line in Africa and Asia	AJ Robotham, AUT - Vertical Axis Wind Turbines - Are We Any Better Informed?	Fiona Crichton, Auckland University - Infrasound and the Nocebo Effect
11.40	20	Presentation 4	Bruce Forsyth, ISSL - ISSL: Working Overseas	Jon Olson, Siemens & Paul Botha, Meridian - Performance upgrade of operational wind turbines	Ken McAlpine, Vestas - Act on Facts
12pm	10	Questions	Chair: Kevin Hart, Alstom	Chair: Philip Wong Too, DNV-GL	Chair: James Cameron, Vestas
<b>12.10</b>	70		<b>Lunch</b>		

1.20	5	intro to session	<b>Medium scale development</b>	<b>Grids and distribution</b>	<b>The fuel, forecasting and extremes</b>
1.25	20	Presentation 1	Tom Cameron, Energy 3 - Dominion Salt Case Study	Quintin Tahau, Transpower - Demand Response Initiative	Christian Peake, DNV-GL - Assessment of extreme gust wind speeds at sites which experience tropical cyclones
1.45	20	Presentation 2	Andrew Curtis, Irrigation NZ - Powering Irrigation with Wind	Nigel Purdy, Unison - The future is SMART	David Charlton, Meridian - Recent Storm Events in NZ
2.05	20	Presentation 3	Daniel Akinyele, Student - Distributed Wind Power Generation In New Zealand's Local Electricity Network	Hatem Alzaanin, Student - Integrating Wind Power with Domestic Demand Response to Increase the Value of Wind in New Zealand	Megan Briggs, Alstom - Extreme Winds in the Asia Pacific Region
2.20	20	Presentation 4	Scott Willis, BlueSkin Bay - Community Wind and the Market	Nihal Kularatna, University of Waikato - Supercapacitors: Traditional versus Non Traditional Applications and Their Potential for Energy Mangement in Wind Energy	Devin Kilminster, MetService - Using probabalistic forecasts in decision making
2.40	10	Questions	Chair: Fraser Jonker, Pioneer Generation	Chair: John Clarke, Transpower	Chair: Blair Walter, Aurecon
2.50	30	<b>Afternoon tea</b>			
3.20	5	intro to session	<b>Project updates</b>		
3.25	20	Presentation 1	Paul Botha, Meridian - Brooklyn Repowering		
3.45	20	Presentation 2	Chris Jones, Meridian - Mill Creek Project Update		
4.05	20	Presentation 3	Jim Pearson, Trustpower - Snowtown II and Trustpower in Australia		
4.25	10	Questions	Chair: Eric Pyle		

