

Wind Energy Conference 2019

Breaking new ground

1 May 2019, InterContinental Hotel, Wellington, New Zealand

Programme



Mirabelle, aged 10

We would like to thank our sponsors for their support



meridian



Vestas



Energy Efficiency and
Conservation Authority
Te Tari Tiaki Pūngao



2019 Wind Energy Conference

Programme

1 May 2019

InterContinental, Wellington



Breaking New Ground

Welcome and Minister's Presentation 8.30 - 9.00	The energy sector and renewables <ul style="list-style-type: none"> Hon Dr Megan Woods, Minister of Energy and Resources
Session 1 A Low Carbon Economy 9.00 - 10.25	Facilitator: Catherine Leining, Motu Economic and Public Policy Research Our low carbon future <ul style="list-style-type: none"> Simon Upton, Parliamentary Commissioner for the Environment Paris Agreement progress update and international carbon pricing <ul style="list-style-type: none"> Kay Harrison, NZ Climate Change Ambassador Panel and Audience Discussion – Are we moving in the right direction at the right speed? <ul style="list-style-type: none"> Catherine Leining, Motu Simon Upton, Parliamentary Commissioner for the Environment Kay Harrison, NZ Climate Change Ambassador Arlo Heynes, Generation Zero John Carnegie, BusinessNZ Andrew Caseley, EECA
Morning tea sponsored by Goldwind	
Session 2 Innovation and Case Studies - what's possible with renewables 10.50 -12.35	A world of possibility with wind and other renewables <ul style="list-style-type: none"> Terry Surles, University of Hawaii and California Institute for Energy and Development NZ's energy transition and innovation <ul style="list-style-type: none"> Clayton Delmarter – Tilt Renewables Next generation of wind turbines and other emerging technologies <ul style="list-style-type: none"> Peter Cowling, Vestas Hydrogens role in our energy future and what does it mean for wind <ul style="list-style-type: none"> Dr Linda Wright, NZ Hydrogen Association
An Opposition Perspective 12.35 – 1.00	The energy sector, climate change and renewables <ul style="list-style-type: none"> Jonathan Young, National Energy and Resources Spokesperson
Lunch sponsored by Goldwind	

Speaker profiles

Hon Dr Megan Woods

Minister of Energy and Resources



Hon Megan Woods is a Christchurch local, and has been the Member of Parliament for Wigram since 2011. Following the 2017 election, Megan was sworn in as a Minister of the Crown with portfolio responsibilities including the Greater Christchurch Regeneration, Energy and Resources, Research, Science and Innovation, Government Digital Services and responsibility for the Earthquake Commission. In her role as a local MP, Megan has worked alongside Cantabrians on important issues, in particular as many move on from the devastating earthquakes that struck the city in 2010 and 2011. With her ministerial focus on Christchurch, she wants closure for all Cantabrians. In Opposition,

Megan held various portfolios - including Climate Change and Canterbury Issues - helping her to gain an understanding of a wide range of issues and build important relationships, especially in Christchurch. Prior to becoming a Member of Parliament, Megan worked as a Business Manager at Plant & Food Research. She holds a PhD in New Zealand History from the University of Canterbury. In between a busy schedule, Megan enjoys watching cricket, rugby and spending her free time with friends and family.

Catherine Leining

Motu Economic and Public Policy Research



Catherine Leining has over 25 years of international policy experience with specialisation in climate change mitigation policy. As a Policy Fellow at Motu Economic and Public Policy Research, she leads Motu's research and engagement programme on "Shaping New Zealand's Low-Emission Future." She has held policy positions at the Ministry for the Environment, Ministry of Foreign Affairs and Trade, Wellington City Council and New Zealand Transport Agency. In government roles, she helped to design the NZ ETS and served on the New Zealand delegation to the UNFCCC negotiations (2008-2009). In the US, she held policy positions at the Center for Clean Air Policy, ICF Consulting

and the International City/County Management Association. She provides independent consulting through Silver Lining Global Solutions (SilverLiningGS.com) and has been trained as a Climate Leader under The Climate Reality Project launched by Al Gore. She holds a BS in biology (with distinction) and French from Duke University.

Simon Upton

Parliamentary Commissioner for the Environment



Simon Upton was sworn in as Parliamentary Commissioner for the Environment for a five-year term on the 16th of October 2017. Mr Upton is a Fellow of the Royal Society of New Zealand and a Rhodes Scholar, with degrees in English literature, music and law from the University of Auckland, and an MLitt in political philosophy from Oxford University. He was sworn in as a member of the Privy Council in 1999. A Member of Parliament between 1981 and 2000, Mr Upton held a variety of Ministerial portfolios including Environment, Research, Biosecurity, Health and State Services between 1990 and 1999. After leaving Parliament, Mr Upton moved to Paris to chair the Round Table on Sustainable Development at the Organisation for Economic Co-operation and Development (OECD). In 2005, he returned to New Zealand to pursue a number of private sector roles while continuing to chair the Round Table. In April 2010 he returned to the OECD full-time as Environment Director, a post he held for seven years until returning to take up the role of Parliamentary Commissioner for the Environment.

Kay Harrison

New Zealand Climate Change Ambassador



Kay heads the Climate Change Division at the Ministry of Foreign Affairs and Trade. A career public servant, Kay began her role at the Ministry in April 2019 after more than ten years at the Ministry for the Environment where she was Lead Negotiator International Carbon Markets, and earlier Director Climate Change and Director Water Reform. Prior to commencing work for MfE, she held roles with Sport and Recreation New Zealand, Museum of New Zealand (Te Papa) and the Office of Treaty Settlements. Kay attended Victoria University of Wellington where she gained a Master of Arts and a Master of Public Policy. She was also a Harkness Fellow at Harvard University at the Kennedy School of Government 1997-8.

Arlo Heynes**Generation Zero**

Arlo Heynes is the Wellington Policy Lead for Generation Zero, a youth-led climate organisation that champions solutions to a carbon neutral Aotearoa. Arlo recently graduated from Victoria University's Masters of Climate Change Science & Policy, where he learnt the importance of cross-disciplinary collaboration. He is passionate about communicating the science of climate change and its solutions to communities on the front lines of climate change and to those expected to solve it, young people. He has run interactive wind electricity workshops with high school students, and is currently designing climate science educational programs.

John Carnegie**BusinessNZ Energy Council**

John is a regulatory economist with over two decades' experience in public policy and energy markets. John has previously held roles at New Zealand Treasury, the Ministry for Economic Development, the electricity market operator (the Marketplace Company) and Genesis Energy. John specialises in energy and climate change policy and its implications for business. He was a member of the Treasury-led Emissions Trading Stationary Energy and Industrial Process Technical Advisory Group, the Ministry for the Environment Electricity Allocation Factor contact group, and a member of the New Zealand official delegation to the last three international climate change negotiations. He is currently a member of the Electricity Authority's Wholesale Advisory Group. John has a BA (Hons) degree in Economic History, a BCA in Economics and a Diploma in Accountancy.

Terry Surles, Ph.D.**University of Hawaii and California Institute for Energy and Environment**

Dr. Surles is consulting for the California Public Utility Commission on expediting disputes related to the installation of customer-based generation and as well as deployment of energy efficient, storage, and demand response technologies. He is consultant to Hawaii Natural Energy Institute (HNEI) as part of state utility's Integrated Grid Planning process involving integration of distributed resources while maintaining grid stability and resiliency. He has consulted for Asian Development Bank in Malaysia, IEA, APEC, NELHA, Northeast Asia Economic Forum, East-West Center, UK Energy Research Centre, and State of Victoria. For IEA, he has worked in support of their activities in Southeast Asia focused on multi-national grids. For APEC, he contributed to the understanding of the growth of solar and wind in Vietnam, as well as energy system analyses for China, Peru, Taiwan, and Korea. In 2015 and 2016, he led the analysis of Department of Energy's Grid Modernization Initiative. He was an emergency hire as Interim Administrator for the Hawaii State Energy Office in 2017. Since 2012, he has been at the University of Hawaii and the California Institute for Energy and Environment in senior advisory roles. From 2010 to 2012, he was Desert Research Institute Executive Vice President, leading program development and management for three divisions and four research centers in environmental and energy sciences. From 2006 to 2010, he was Technology Integration and Policy Analysis Lead at HNEI focusing on policies and deployment of grid integration of variable renewable resources and energy storage technologies. From 2004 to 2006, he was Vice President at EPRI focusing on air quality, health, energy/water nexus, and climate change issues. From 2000 to 2004, he was at the California Energy Commission as R&D Program Director with emphasis on energy efficiency, renewable energy, grid modernization, and regional climate assessment. In this position, took leave from Lawrence Livermore National Laboratory where he was Associate Laboratory Director for Energy Programs from 1998 to 2000, focusing on energy efficiency, energy storage, and climate change science. In 1997, he was appointed by Gov. Wilson to be Deputy Secretary for Science and Technology at California EPA. From 1978 to 1997, he was at Argonne National Laboratory with his final position being General Manager for Environmental Programs. Major program areas included energy systems assessment, climate change science, risk analysis and assessment, emergency planning and response, and energy and environmental modeling. From 1974 to 1978, he was at Camp, Dresser, & McKee, with his final position as Vice President. Dr. Surles received his Ph.D. in Chemistry from Michigan State and has more than 340 publications, technical reports, and presentations. He has served on a number of committees, including seven appointments with the National Research Council.

Clayton Delmarter**Tilt Renewables**

Clayton is General Manager, Renewable Development. He has worked in the electricity industry for more than 15 years, including engineering and project management roles and has had extensive input into Tilt Renewables' development projects. Previously he worked at Trustpower where his roles included Project Delivery Manager, responsible for a number of successful wind and hydro projects, as well as Acting General Manager Generation and a period as Engineering Manager. Before that, Clayton spent time in North America working on large scale renewable developments.

Peter Cowling**Vestas**

Peter Cowling has worked in Renewable Energy since 2002. With a background in construction law and major projects, he began a new career in the wind industry in 2002 after a sabbatical in 2001 looking at emerging renewable energy technology opportunities in Europe and the US. His first renewables role was in business development with the Danish OEM NEG Micon, where he established as the preeminent wind OEM in Australia. He then set up the Suzlon wind turbine business in Australia, where he was ultimately COO, and built over 800MW of turnkey wind farms. He then spent 7 years with GE, helping to build their wind and hydro businesses in the Asia-Pacific Region, before joining Vestas as Country Head for Australia and New Zealand in late 2017. To date, he has been involved in delivery over 2500MW of wind power in Australia and Asia. Peter has been a

board member of the Australian Wind Energy Association and the Clean Energy Council, and is on the Advisory Board of the Melbourne Energy Institute. Peter is passionate about renewable energy, and its role in leading the way for in climate change mitigation. Peter is married to Liz Nixon and they have two children, Ned and Tilly.

Dr Linda Wright**NZ Hydrogen Association**

Linda is Chief Executive of the NZ Hydrogen Association. Throughout her 20-year career Linda has been at the forefront of driving innovation and change across the sustainability, solid waste and renewable energy sectors. Linda has provided strategic advice and technical expertise to a wide range of public and private sector organisations, ranging from small and medium sized businesses to large multinational organisations, as well as central government, local authorities and community groups. Linda has an extensive global network across the hydrogen value chain and understands in detail the value proposition for renewable hydrogen in New Zealand. Linda has a PhD in Sustainable Waste Management and a BSc (1st Class Hons) in Environmental Risk Management from the Engineering Department of the

University of Wales, Cardiff.

Jonathan Young**National Energy and Resources spokesperson**

Jonathan Young was born and raised in Taranaki; originally on a farm at Otakeo, South Taranaki; but he also spent time growing up in Hawera and New Plymouth. Having commenced his high school education at New Plymouth Boys' High School, he completed it at Hawera High School. After graduating from Palmerston North Teachers' College he returned to South Taranaki as a teacher in the late 70's. Prior to Parliament, Jonathan spent twenty years working in West Auckland as the senior leader of a multi-cultural contemporary church. Alongside this Jonathan worked in the fields of financial administration, software programming, design and publishing journals and magazines. Jonathan later returned to New Plymouth where he contested the New Plymouth seat and won

it off sitting MP Harry Duynhoven and has since defended it over the past three elections.

His Parliamentary roles include:

- Energy and Resources spokesperson for National (Current)
- Regional Economic Development spokesperson, NI for National (Current)
- Chair of the Economic Development, Science and Innovation Committee (Current)
- Parliamentary Private Secretary, Economic Development (2015-17)
- Chair of the Transport and Industrial Relations Committee (2014-17)
- Chair of the Commerce Committee (2011-14).

Ashley Grohn**Aurecon**

Ashley leads Aurecon's energy market and client strategy for its key energy clients in Australasian markets. Our overarching objective is to Bring Ideas to Life in partnership with our most trusted clients. Ashley's energy portfolio comprises both power sector and oil/gas clients, who run businesses within the traditional definition of the energy value chain. The portfolio also includes stakeholders such as developers, funders and technology providers that are disrupting this value chain. Prior to taking this role, Ashley lead Aurecon's renewable strategy and execution in Australia, specializing in the development, execution and asset management of large scale solar, wind, biomass and pumped hydro projects. Ashley's technical expertise is founded in the power generation sector, across all technologies and phases of the asset life cycle. He has energy business and project experience in roles covering technical advisor, owner's engineer, lender's TA, engineer to EPC and as an EPC and EPCM contractor; in geographies comprising Africa, SE Asia, Middle East and ANZ.

Anna Berka**Victoria University of Wellington,
Institute for Governance and Policy Studies**

Anna is a Research Fellow at the Energy Centre, University of Auckland Business School. She works on design questions in effective climate change governance in relation to risk, inclusivity and innovation. She has published on country comparative energy policy, the risks, costs, local impacts of different ownership models in the renewable energy industry, and on policies for community engagement and shared ownership of wind farms. She became involved in community energy in 2011 when she co-founded a Edinburgh based consultancy (Scene Consulting) that offered planning and finance services for community energy projects, and undertook various consumer facing innovation projects involving energy and IT, both in the UK and further afield. Anna led the first 'state of the sector' report for community energy in the UK in 2011.

Chris Holsonback**General Electric**

Chris Holsonback has been in the wind industry for nearly a decade, focusing on wind turbine conceptual design, product management, and product strategy. In his current role he provides regional product support to Sales teams in China, Japan, ASEAN and ANZ. He serves as the global product manager for GE's high wind speed turbine, the 4.2-117, which is optimized for energetic wind resources like NZ. Chris oversees GE's global towers portfolio for all 3MW+ wind turbines. Finally, Chris helps shape GE's future products to maximize value for our customers. Chris is proud to call Christchurch home.

Andrew Caseley**Energy Efficiency and Conservation Authority**

Andrew has been the Chief Executive of EECA since January 2017. He has held executive leadership roles in both the public and private sectors. Previously he worked for MWH (now Stantec), a global engineering and environmental consultancy. For most of this time he was the Managing Director of the New Zealand business; but he was also the Operations Director for Australia and New Zealand while filling various roles in Indonesia and Fiji. Prior to this he was Chief Executive Officer of the Hawke's Bay Regional Council for 13 years. Andrew has a commerce degree with an accounting major and is a Companion Member of the Institute of Professional Engineers.

David Frame**Victoria University of Wellington**

Professor Dave Frame is Director of the New Zealand Climate Change Research Institute (NZCCRI) at Victoria University of Wellington. He has a background in physics, philosophy and policy. Prior to joining the NZCCRI Dave spent the bulk of his career at the University of Oxford, working in the Departments of Physics and Geography, and later at the Smith School of Enterprise and the Environment. He also has policy experience, having worked at the New Zealand Treasury, and having served on secondment at the UK Department of Energy and Climate Change. He has been a Lead Author on the Fifth and Sixth Assessment Report of the Intergovernmental Panel on Climate Change, and his research has often been published in the world's leading scientific research journals, as well as in the specialist climate literature.

John Hancock**Signature Consulting**

John Hancock is a well-known energy utilities consultant and commentator. He chairs the Electricity Authority's Innovation & Participation Advisory Group and is a member of Expert Advisory Group for the Government's Electricity Price Review. Much of his work draws on his unusual combination of deep experience in both technology and deregulation - key dimensions of the strategic environment in the sector. John has worked in the utilities industry around the world for nearly 30 years.

Murray Sherwin CNZM**New Zealand Productivity Commission**

Murray was appointed Chair of the newly created New Zealand Productivity Commission in November 2010. The Commission – an independent Crown entity – conducts in-depth inquiry reports on topics selected by the Government, carries out productivity-related research, and promotes understanding of productivity issues. Murray's previous appointments include: Chief Executive and Director General of the Ministry of Agriculture and Forestry; Deputy Governor of the Reserve Bank of New Zealand; member of the Board of Executive Directors of the World Bank; and member of the Prime Minister's Advisory Group.

Guy Waipara**Meridian Energy**

Guy Waipara (Rongowhakaata) was appointed to General Manager of Generation and Natural Resources in November 2017. Guy is responsible for generation asset management and operations in New Zealand and Australia, including the development of new renewable projects. Prior to this he was General Manager of Markets and Production from April 2016, and held the role of General Manager of External Relations from August 2010. Guy has also held roles at Meridian in offshore business development and setting company strategy. He has over 25 years' experience in the electricity sector and previously worked at Transpower New Zealand Limited in roles responsible for transmission planning and network

development.

Nevill Gluyas**First NZ Capital**

Nevill covers the listed generator/retailers for FNZC, a leading share broking and investment banking firm. He previously worked for 13 years at Meridian on strategy and market analysis, and was involved in many of the company's initiatives and acquisitions before joining FNZC in 2013. These included two major Tiwai smelter contract negotiations, the creation of Powershop, transmission pricing, Australian entry, windfarm economics, competitor analysis and a retail customer base acquisition. Prior to 2000, Nevill worked for an investment bank where he was involved in the sale of the Enerco gas network, retail electricity customer-base sales and early ECNZ separation modelling. He

has a BCA(Hons) in Economics and Finance, and is a CFA charterholder.

Stephen Jay**Transpower**

Stephen currently holds the role of General Manager - Grid Development for Transpower, where he is accountable for the long term strategic, engineering and economics of the transmission grid. Previous to this he held senior management roles in the power and investment banking industries, including technical design and consulting with Mitton ElectroNet and PB Power, asset management and maintenance at Meridian Energy, analysis and equities at Kleinwort Benson, and a variety of research, engineering, and operations within the nuclear arm of the CEGB. He is an enthusiastic people manager and professional engineer with more than 25 years' experience of technical and commercial team leadership,

project management, management consulting, power system design, operation and asset management within the electricity supply industry. He has been fortunate to work on nuclear, gas turbine, geothermal, hydro, wind, and distribution/transmission assets. Stephen has a BEng in Electromechanical engineering, an MBA, and an engineering-based PhD. Stephen is a Chartered Engineer and a Fellow of IPENZ and the IET.

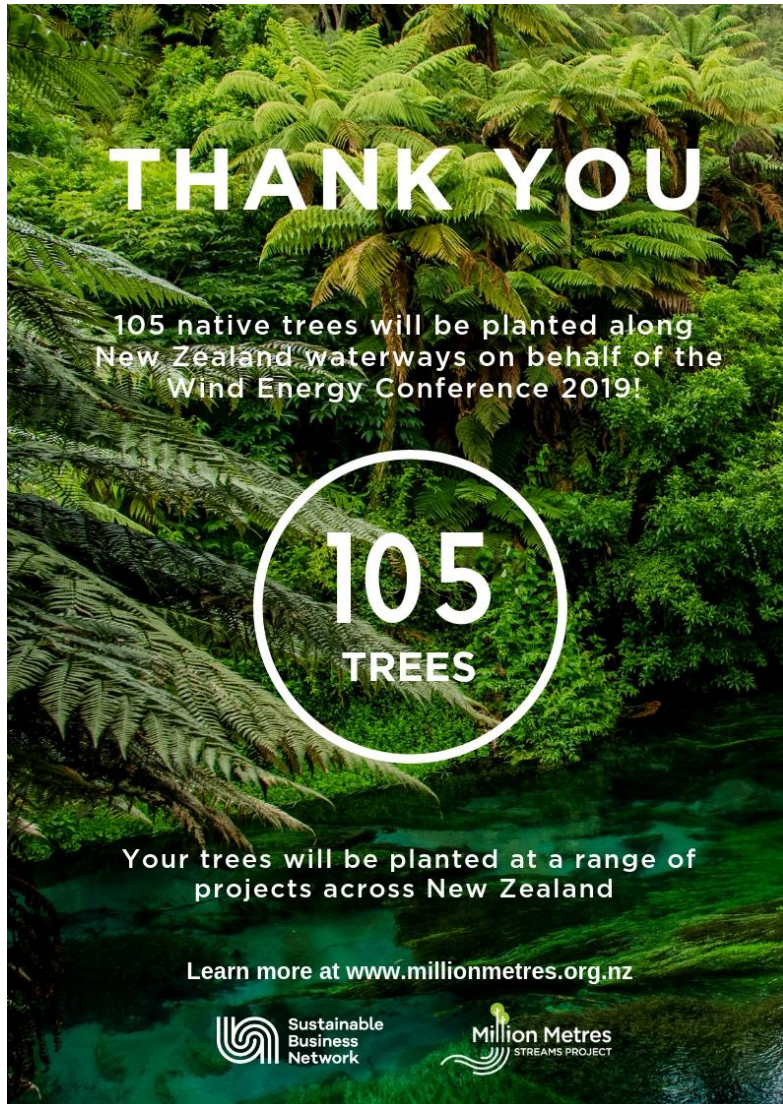
List of attendees

Organisation	Name	
4Sight Consulting	Mark	Ashby
ALANQA	Bassam	Almashour
Anyteksys	Indi (Youngham)	Chin
Anyteksys	Sahyuk	Hong
Aurecon	Viola	Balzaretti
Aurecon	Simon	Faulkner
Aurecon	Ashley	Grohn
Aurecon	Simon	Taylor
Aurecon	Blair	Walter
Awhitu Windfarms Limited	James	Sturgess
Beca	Mark	Jacob
Beca	Peter	McCafferty
Bloxam Burnett & Olliver	Tony	Keyte
Bloxam Burnett & Olliver	Richard	Porter
Bloxam Burnett & Olliver	Jarred	Stent
Blueskin Energy	Scott	Willis
Business NZ	John	Carnegie
Climate Change Ambassador	Kay	Harrison
Contact Energy	Chris	Drayton
Contact Energy	David	Rohan
Davis Trading Co.	Phoebe	Mitch
Decmil Construction NZ	Wayne	Hayvice
Decmil Construction NZ	Ross	Meikle
DNV GL	Rose	Divjak
Downer	Mark	Adamson
Downer	John	Batchelor
Downer	John	Titchmarsh
Downer	Reuben	Butcher
Electricity Authority	Mike	Collis
Electricity Authority	Chris	Otton
Electricity Authority	James	Stevenson-Wallace
Electricity Authority	Justin	Wood
Elemental group Ltd	Will	Thorp
Enercon GmbH	Andrea	Murdock
Energy Efficiency and Conservation Authority (EECA)	Andrew	Caseley
Energy Efficiency and Conservation Authority (EECA)	Vincent	Smart
Energy Efficiency and Conservation Authority (EECA)	Jenny	Lackey
Energy Efficiency and Conservation Authority (EECA)	Mitch	Trezona-Lecomte
Energy News	Joshua	Riddiford
Everitt Site Supplies	Steve	Everitt

First NZ Capital (FNZC)	Nevill	Gluyas
First NZ Capital (FNZC)	Ross	Mitchell
Fletcher Construction Company	Jamie	McNeill
Front-end Solar Technologies	Ian	Shearer
General Electric (GE)	Kevin	Hart
GE Renewable Energy	Christopher	Holsonback
GE Renewable Energy	Jason	Moore
GE Renewable Energy	Joshua	Watinga
Generation Zero	Arlo	Heynes
Generation Zero	Lisa	McLaren
Generation Zero	Anya	Bukholt-Payne
Goldwind	William	Ives
Goldwind	Richard	Mackie
Green Spokesperson for Energy and Resources	Gareth	Hughes
Higgins Contractors	Kirsten	Craill
Higgins Contractors	Rob	Mackie
Higgins Contractors	David	Rubery
Hiringa Energy	Andrew	Clennett
Individual	Greg	Misner
Individual	John	Worth
ISC Consulting Engineers	Anders	Ebener
Jacobs	Sanjib	Mishra
LZ New Zealand	Liberio	Riosa
MainPower NZ	Todd	Voice
Mammoet	Vincent	Vingerhoeds
Marais Laying Technologies	David	Clement
Mercury	Dennis	Radich
Mercury	Miles	Rowe
Meridian Energy	Steve	Harding
Meridian Energy	Christian	Korte
Meridian Energy	James	McArthur
Meridian Energy	Chris	More
Meridian Energy	Tony	Rovers
Meridian Energy	Guy	Waipara
Meridian Energy	Benjamin	Mossman
METCO Group	Guillaume	Gosse
Minister of Energy and Resources	Dr Megan	Woods
Ministry for the Environment	Sarah	McCarthy
Ministry of Business innovation and Employment (MBIE)	Justine	Cannon
Ministry of Business innovation and Employment (MBIE)	Jared	Wallace
Ministry of Business innovation and Employment	Briony	Bennett
Ministry of Business innovation and Employment	Kam	Szeto

Mitton ElectroNet	Peter	Armstrong
Mitton ElectroNet	Brad	Rooney
Motu Economic and Public Policy Research	Catherine	Leining
National Energy and Resources Spokesperson	Jonathan	Young
Nexans New Zealand Limited	David	Griffiths
NZ Hydrogen Association	Dr Linda	Wright
NZ Wind Energy Association	Anne	Phiri
NZ Wind Energy Association	Grenville	Gaskell
Palmerston North City Council	Brent	Barrett
Parliamentary Commission for the Environment	Greg	Briner
Parliamentary Commission for the Environment	Simon	Upton
Powerco	Eric	Pellicer
Productivity Commission	Murray	Sherwin
Roaring 40's Wind Power	Paul	Botha
Roaring 40's Wind Power	Graeme	Mills
S&C Electric Company	Eduardo	Soares
Siemens Gamesa	Steve	Crowe
Signature Consulting	John	Hancock
Sika NZ	Reuben	Reeves
SRG Global	Stuart	McIntosh
Strata Energy Consultants	Bill	Heaps
Tilt Renewables	Clayton	Delmarter
Tilt Renewables	Jim	Pearson
Tilt Renewables	Stewart	Reid
Tilt Renewables	Anne	Urlwin
Tilt Renewables Ltd	Paul	Villers
Todd Generation	Chris	Pye
Todd Generation	Jeremy	Miller
Todd Generation	Bob	Warnock
Tonkin + Taylor	Jan	Noering
Tonkin + Taylor	Nick	Peters
Tonkin + Taylor	Bruce	Symmans
Transpower	Stephen	Jay
Transpower	Alex	Joosten
Transpower	Kate	Redgewell
Trustpower	Peter	Calderwood
University of Hawaii and California Institute for Energy and Environment	Terrence	Surles
Venture Taranaki	Anne	Probert
Verus Automation Systems	Nsana	Ibrahim

Vestas	Peter	Cowling
Vestas	Bud	Abeyrama
Vestas Australian Wind Technology	Anders	Brohm
Vestas Australian Wind Technology	Steve	Smith
Vestas Australian Wind Technology	Rebecca	Zhang
Vestas NZ Wind Technology	Anthony	Webster
Vestas NZ Wind Technology	Dale	Nicholls
Vestas NZ Wind Technology	Ry	Peel-McGregor
Victoria University of Wellington	Anna	Berka
Victoria University of Wellington	David	Frame
Windflow Technology	Geoff	Henderson
Wind Quarry, LLC	Patrick	O'Meara
Woodward Partners	John	Kidd
WSP	John	Kidd
WSP Opus	Les	Pepper



THANK YOU

105 native trees will be planted along
New Zealand waterways on behalf of the
Wind Energy Conference 2019!

105
TREES

Your trees will be planted at a range of
projects across New Zealand

Learn more at www.millionmetres.org.nz



NZ Wind Energy Association
www.windenergy.org.nz