

New Zealand Wind Energy Summit 2023

Onshore & Offshore Wind Aotearoa New Zealand

Enabling wind energy growth in a bi-partisan world



September 12 - 13, 2023 | InterContinental Hotel, Wellington, New Zealand

NZ Wind Energy Summit 2023 | Executive Overview

Kia ora koutou katoa,

With over 82% of Aotearoa New Zealand's electricity derived from renewable sources, it is already ahead of many countries as each strive toward their respective renewable energy targets. While we are in a privileged position, our commitments to obtain net zero carbon emissions by 2050 and our abilities to stretch toward 100% renewable electricity by 2035 represent a challenging road ahead. In recent times, four industry-led studies assessed our long-term energy forecast needs, and while each convey differing electricity growth projections, they all agree on one thing; our rate of renewable electricity growth needs to be significantly greater than it has been in the past.

To meet the forecast Accelerated Electrification demand forecast of 22 GW installed capacity by 2050, it is estimated that Aotearoa New Zealand must build at least 220 MW of additional wind capacity every year for the next 27 years. This would equate to almost 6 GW of wind capacity on the power system, up from just over 1 GW today. The task is ambitious, but achievable and exciting.

With 15 new onshore wind projects representing over 2 GW already consented or seeking consent, plus a growing pipeline of offshore wind representing an additional 4 GW, the future of wind energy is cemented in our future. Enquiries to Transpower for new wind energy development connections out to 2050 have also surpassed expectations, with a reported 13 GW of wind energy projects in early investigation. Aotearoa New Zealand has an incredible opportunity to be world leaders in renewable energy penetration, and wind energy, both onshore and offshore, is our pathway to achieving this outcome.

This year's Summit will be a two-day event, with day one focusing on the strategic aspect of the broader wind energy sector, while also noting it is an election year. Day two will focus on offshore wind energy, as a progression of the February 2023 Offshore Wind Energy Forum. NZWEA is proud to present the day 2 offshore agenda in partnership with Ara Ake, as we take a unified industry-wide approach to further develop the offshore wind energy industry in Aotearoa New Zealand.

The NZ Wind Energy Summit 2023, is a great opportunity for you to engage with all industry, government, Iwi, and community stakeholders and partners regardless of your interest in the wind energy sector. Enhancing and building new relationships and collaborating for a sustainable future is how we will all be successful.

On behalf of the NZ Wind Energy Association Board, and our offshore wind partner Ara Ake, I welcome you to join us on 12th & 13th September in Wellington. I hope you have an inspiring two-day event and that you each learn something new.
Let's grow our industry together!

Ngā mihi nui

Kevin Hart

Chief Executive

New Zealand Wind Energy Association

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Working Together with our Offshore Wind Partner
mahi ngātahi







Day 1 | 12th September 2023

Wind Energy Summit



Programme | Day One – Wind Energy Summit 2023

	7.30 am	Registration and coffee
	8:30 am	Mihi Whakatau
	8:40 am	MC Introductions John Hancock – <i>Master of Ceremonies - NZWEA</i>
	8:45 am	Welcome from NZWEA Kevin Hart – <i>Chief Executive, New Zealand Wind Energy Association</i>
Keynotes		
	8:50 am	Ministerial & Parliamentary Speakers Facilitator – Anna Kominik – <i>Chair, Electricity Authority</i>
		Ministerial Address – The importance of wind energy as we transition Hon Andrew Little - <i>Minister of Public Services (on behalf of Hon Dr. Megan Woods, Energy and Resources)</i>
		Parliamentary Speaker – National Party energy strategy to meet Aotearoa NZ’s climate change targets Stuart Smith – <i>National Party Spokesperson Energy and Resources & National MP Kaikōura</i>
		Parliamentary Speaker – Green Party energy policy to meet Aotearoa NZ’s climate change targets Scott Willis – <i>Green Party Candidate (on behalf of Hon James Shaw and Julie Anne Genter)</i>
Plenary Sessions - Progressing the energy transition & climate change targets		
	9:45 am	Panel The inflection point & keeping the energy transition on track Facilitator & Introductory Presenter – <i>Climate Change in New Zealand: The Future is Electric</i> Dr Keith Turner – <i>Independent Director</i>
		1 Electricity Authority Sarah Gillies – <i>Chief Executive, Electricity Authority</i>
		2 Ara Ake Jonathan Young – <i>Head of Policy Research & Insights, Ara Ake</i>
		3 BCG Richard Hobbs – <i>Principal, Boston Consulting Group (virtual speaker)</i>
	10.30 am	Morning break and networking sponsored by Boffa Miskell

Programme | Day One – Wind Energy Summit 2023



11:00 am

Welcome back from NZWEA
John Hancock – *Master of Ceremonies - NZWEA*

Enabling wind energy growth

11:05 am

Strengthening RMA national direction for renewable electricity generation and electricity transmission
[Rebecca Scannell](#) – *Director, Urban and Infrastructure Policy, Ministry for the Environment*

11:25 am

Panel | Wind growth from an investor's perspective - are we moving fast enough?

Facilitator – [John Carnegie](#) – *CEO, Energy Resources Aotearoa*

1 Mafic Infrastructure Partners
[Laura Harris](#) - *Partner*

2 Copenhagen Offshore Partners (NZ Super Fund & Copenhagen Infrastructure Partners)
[Giacomo Caleffi](#) – *Senior Business Development Manager*

3 Climate Navigator – Community Wind Energy
[Scott Willis](#) – *Director*

4 Beach Energy – Utility Wind Energy
[Mat Quinn](#) – *NZ Country Manager & GM Operations*

Managing system security during the energy transition

12:05 pm

Managing system security & peak demand and the need for new renewable build – a joint approach
[Andrew Millar](#) – *GM Market Policy, Electricity Authority*
[John Clarke](#) – *GM Grid Development, Transpower*

12:25 pm

The changing landscape of grid connections in New Zealand
[Kevin Friesen](#) - *Technical Director, Beca*

12:40 pm

Latest Developments in Government Investment in Decarbonising Industry - progress and opportunity
[Nicki Sutherland](#) - *Group Manager Business, EECA*



1:00 pm

Lunch break and networking sponsored by Taranaki Offshore Partnership



2:00 pm

Welcome back from NZWEA
John Hancock – *Master of Ceremonies - NZWEA*

Programme | Day One – Wind Energy Summit 2023

Innovations, Case Studies & Environmental

2:05 pm

Harapaki Wind Farm Development | *The challenges of building a wind farm during Cyclone Gabrielle*
[Robert Batters](#) – Senior Project Manager, Meridian Energy

2:25 pm

Environmental Impacts | *Considerations for wind farm investors*
[Chris Rendall](#) – Senior National Advisor RMA, DOC

2:45 pm

Grid Scale Solar | *Why grid scale solar, 150 MW Kōwhai Park*
[Nick Flack](#) - GM Future Planning & Sustainability, Christchurch Airport (virtual speaker)

3:05 pm

New wind investments, an electricity distribution company perspective
[James Kilty](#) – Chief Executive, PowerCo



3:25 pm

Afternoon break and networking sponsored by GHD



3:55 pm

Welcome back from NZWEA
 John Hancock – Master of Ceremonies - NZWEA

Global Supply Chains & international competing resources

4:00 pm

Offtake Power Purchase Agreements | *The appetite from major users to participate in the PPA market*
[Karen Boyes](#) – Executive Director, MEUG

4:20 pm

Panel | Navigating the global supply chain, how should NZ adapt to the challenges
 Facilitator [John Hancock](#) – Consultant

1 German-New Zealand Chamber of Commerce
[Monique Surges](#) – Chief Executive

2 Aurecon
[Blair Walter](#) – Principal, Power Generation & Chair of NZWEA

3 Park Wind
[Peter Spencer](#) – Country Manager New Zealand, Park Wind



5:00 pm

Closing remarks – Kevin Hart – Chief Executive, NZWEA



5:05 pm

Networking drinks & dinner sponsored by EECA





Day 2 | 13th September 2023

Offshore Wind Forum


In partnership with



Programme | Day two – Offshore Wind Forum

	8:00 am	Registration and coffee
	8:40 am	MC Introductions John Hancock – <i>Master of Ceremonies - NZWEA</i>
	8:45 am	Welcome from the NZWEA Kevin Hart – <i>Chief Executive, New Zealand Wind Energy Association</i>
Industry Update & Regulatory Development		
	8:50 am	Offshore Industry Executive summary update Nick Cozens – <i>Chair, NZWEA Offshore Working Group</i>
	9:00 am	Australian Offshore Developments – the need for Oceania collaboration Kane Thornton – <i>Chief Executive, Australia Clean Energy Council (virtual speaker)</i>
	9:20 am	Ara Ake & NZWEA Offshore Wind Collaboration Kevin Hart – <i>NZWEA</i> Jonathan Young - <i>Ara Ake</i>
	9:25 am	Keynote Panel Industry Consultation - Operations, Construction & Maintenance of Offshore Wind Farms Jonathan Young – <i>Head of Policy Research & Insights, Ara Ake</i>
		1 A framework for regulatory progression Peter Bartlett - <i>Director Sector Engagement, Energy and Resource Markets, MBIE</i>
		2 MBIE regulatory regime for offshore wind, a market perspective Brigid McArthur – <i>Partner, Greenwood Roche</i>
		3 Infrastructure investment needed to support the construction and maintenance of offshore wind Peter Spencer – <i>Country Manager New Zealand, Park Wind</i>
Enabling Development		
	10:05 am	The role of community engagement and stakeholder communication in delivering successful project outcomes Michala Lander - <i>Technical Director of Engagement and Social Planning , GHD</i>
	10:25 am	Environmental, social and economic impacts <i>International insights and industry overview</i> Tom Young – <i>Head of Environment and Consents, BlueFloat in partnership with the Elemental Group</i>



 10.45 am Morning break and networking sponsored by SLR Consulting

 11:15 am Welcome back from NZWEA
John Hancock – *Master of Ceremonies - NZWEA*

Enabling Development (cont)

11:20 am Transmission strategy for offshore grid connection
[Chantelle Bramley](#) - *General Manager Strategy & Customer, Transpower*

11:40 am Opportunities & challenges for ports, the investment gap
[Simon Craddock](#) – *CEO, Port Taranaki*


International Insights & collaboration and local benefits


12:00 pm **Panel** | The importance of International learnings and local benefits
Facilitator - [Anne Probert](#) – *Director Strategic and Sector Partnerships, Venture Taranaki*

1 Insights from Te Hā o Tāwhirimātea Offshore Wind Study Tour to UK and Europe
[Wharehoka Wano](#) – *Te Kāhui o Taranaki*

2 Iwi of Taranaki Alternative Energy Strategy
[Te Aorangi Dillon](#) – *Te Korowai o Ngāruahine Trust (virtual presentation)*

3 Industry capability mapping study for offshore wind | Resourcing, skills & employment
[Rachel Holden](#) – *Senior Consultant, Concept*

 1:00 pm Closing remarks
John Hancock – *Master of Ceremonies - NZWEA*

 1:05 pm Lunch break and networking sponsored by Oceanex



Programme | Day two – Offshore Wind Forum



2:00 pm

Welcome back from the NZWEA
John Hancock – *Master of Ceremonies - NZWEA*

Benefits & Opportunities

2:05 pm

The value of exporting downstream products and services derived from plentiful renewables
[Brett Rogers](#) – *Director, Elemental Group*

2:25 pm

Forecasting wind data – using weather forecast data to extract the best value from wind assets
[Dr Annick Terpstra](#) - *Atmospheric Modeler, MetService*

2:45 pm

Case Study – an approach to Australian stakeholder engagement
[Charles Rattray](#) – *CEO, Star of the South, Australia*



3:05 pm

Afternoon break sponsored by Mercury

Mercury



3:35 pm

Welcome back from the NZWEA
John Hancock – *Master of Ceremonies - NZWEA*

Market Development and Integration

3:40 pm

Green hydrogen applications | *a state-of-the art review*
[Prof. Robert McLachlan](#) - *Distinguished Professor, Massey University*

4:00 pm

Panel | Offshore market structures, how do we integrate ‘Huntly-scale’ offshore generation into the market?
Facilitator [Alan Young](#) – *Associate Director, Enerlytica*

2 Offshore Wind’s ability to enhance New Zealand’s Electricity Security of Supply
[Hannah Konings](#) – *Otago University* & [Will Thorpe](#) – *Elemental Group*

3 Australian market structures and insights
[Andy Evans](#) – *Founder/CEO, Oceanex*

4 The market structure for offshore wind, what works and what doesn’t
[Phil Gibson](#) – *General Manager Portfolio, Mercury Energy*



5:00 pm

Closing remarks – [Blair Walter](#) – *Principal, Power Generation & Chair of NZWEA*



5:10 pm

Networking drinks sponsored by Parkwind

PARK WIND