



**ACCELERATING DECARBONISATION  
CEP CONFERENCE 2022**

1st & 2nd JUNE

**ROTORUA**



In association with



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# PROGRAMME

# 30 MAY 2022

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In Association with






# DAY 1: WEDNESDAY 1 JUNE 2022

## Novotel Rotorua Lakeside, Rotorua




TE RADAR | CONFERENCE MC *Te Radar appears by arrangement with Johnson & Laird Management*

8.00am	Registration and Coffee
	Session 1   Conference Opening and Welcome Batten Room
9.00am	Mihi Whakatau <b>NGĀTI WHAKAUE</b>
9.12am	Welcome <b>TE RADAR   MC</b>
9.17am	Welcome to Rotorua – A District Positioning Itself for a Low Carbon Economy <b>MAYOR STEVE CHADWICK   MAYOR OF ROTORUA</b>
9.22pm	Welcome from CEP <b>CEP BOARD MEMBER</b>
9.25am	Ministerial Address <b>HON JAMES SHAW   MINISTER OF CLIMATE CHANGE, ASSOCIATE MINISTER OF ENVIRONMENT</b>
9.55am	Genesis of Change: Land Intertwined with the Sea <b>KIM MCCOY   OCEANOGRAPHER</b>
10.40am	Uncommon Sense: How to Create Value Through your Customers using Less of your Product <b>PETER KENNEDY   CHIEF DIGITAL OFFICER, GENESIS</b>
11.05am	Morning Tea, Networking, Industry Exhibition <i>Proudly Sponsored by</i> 
	Session 2   Batten Room
11.35am	Understanding Transport Choices and Behaviour: An Interdisciplinary Approach to Transport and the Impact on GHG Emissions <b>KATE BROMFIELD   PRINCIPAL CONSULTANT (CARBON &amp; CLIMATE RESILIENCE), EDGE ENVIRONMENT</b>
12.00pm	How to Accelerate Decarbonisation in a Skills-Short World <b>CLARE FEENEY   THE STRATEGIC ENVIRONMENTAL TRAINER</b>
12.25pm	MEET THE EXHIBITOR'S SESSION <ul style="list-style-type: none"><li>- Apricus Eco - <b>MARCUS BAKER</b></li><li>- Engineering New Zealand - <b>MARTIN PRATCHETT</b></li><li>- ESP - <b>NIC VAN DER WESTHUIZEN</b></li><li>- Mitsubishi Electric - <b>JOHN GREAVES</b></li><li>- Spirax Sarco - <b>SHARON SHAH</b></li><li>- Waterware - <b>DAVID RONAYNE</b></li><li>- 2Plus New Zealand - <b>GAVIN CHERRIE</b></li><li>- Worley – <b>MIKE CROSS</b></li></ul>
12.40pm	Welcome to Lunch <b>MIKE CROSS   GENERAL MANAGER – PROJECT AND DELIVERY AND ENGINEERING, WORLEY</b>
12.40pm	Lunch, Networking, Industry Exhibition <i>Proudly Sponsored by</i> 
	Session 3   Batten Room
1.40pm	From Carbon Neutral to Net Zero: The Evolving Global Ambition <b>BELINDA MATHERS   GENERAL MANAGER TECHNICAL, TOITU ENVIROCARE</b>
2.10pm	9% of Consumer Energy Already Comes from Biomass and we are about to Treble that to 27% <b>BRIAN COX   EXECUTIVE OFFICER, BIOENERGY ASSOCIATION</b>
2.40pm	What comes after GIDI? Launching EECA's 2022/23 Programme and Sharing our Regional ETA Pilot <b>NICKI SUTHERLAND   GENERAL MANAGER, INVESTMENT AND ENGAGEMENT, EECA</b>
3.10pm	<b>STUDENT POSTER PRESENTATIONS</b> Modelling the Long-term Impacts of Increased Demand Response within a 100% Renewable New Zealand Power System <b>ALEIDA POWELL   UNIVERSITY OF OTAGO</b> Carbon Negative Geothermal: Boosting Renewable Electricity with Negative Emissions

	<p><b>KARAN TITUS   THE UNIVERSITY OF CANTERBURY</b> Integrating Material Cycles into the Analysis of an Accelerating Energy Transition for Aotearoa - New Zealand</p> <p><b>ISABELLA PIMENTEL PINCELLI   VICTORIA UNIVERSITY OF WELLINGTON</b> Dairy Farm Demand Flexibility</p> <p><b>JEFFERSON DEW   UNIVERSITY OF OTAGO</b></p>	
3.30pm	<p>Afternoon Tea, Networking, Industry Exhibition</p> <p><i>Proudly Sponsored by</i></p>	
	<p>Session 4   Batten Room</p>	
4.00pm	<p>Sponsor Introduction</p> <p><b>MARCUS BAKER   MANAGING DIRECTOR   APRICUS ECO HOT WATER</b></p>	
4.03pm	<p>Where Might the NZ ETS Price be Heading?</p> <p><b>MATTHEW COWIE   DIRECTOR, CLIMATE CHANGE AND SUSTAINABILITY SERVICES GROUP, EY NEW ZEALAND</b></p>	
4.33pm	<p><b>HON SCOTT SIMPSON   OPPOSITION SPOKESPERSON- CLIMATE CHANGE, ENVIRONMENT AND ASSOCIATE TRANSPORT</b></p>	
5.03pm	<p><b>PANEL DISCUSSION</b></p> <ul style="list-style-type: none"> <li>- <b>JONATHAN POOCH   FOUNDER AND MANAGING DIRECTOR, DETA CONSULTING</b></li> <li>- <b>DEBBIE O'BYRNE   CIRCULAR ECONOMY PRINCIPAL, BECA</b></li> <li>- <b>BOBBY SHEN   BUSINESS DEVELOPMENT MANAGER - EXISTING BUILDINGS, NEW ZEALAND GREEN BUILDING COUNCIL</b></li> <li>- <b>NICKI DOUGLAS   NGĀTI RANGIWEWEHI, NGĀTI WHAKAUE, NGĀTI TANGATA, NGĀTI POROU, ENVIRONMENT MANAGER, TE ARAWA LAKES TRUST</b></li> </ul>	
5.45pm	<p>Day's Wrap and Invitation and Welcome to Cocktail Function</p> <p><b>PAUL FARRELLY   PRINCIPAL CONSULTANT, LUMEN</b></p>	
5.48pm - 7.45pm	<p>Cocktail Function</p> <p><i>Proudly Sponsored by</i></p>	

## DAY 2: THURSDAY 2 JUNE 2022

### Novotel Rotorua Lakeside, Rotorua

7.30am	Registration and Coffee	
8.00am	Carbon and Energy Professionals New Zealand Annual General Meeting – Open to CEP Members Only Batten Room	
	Session 5   Batten Room	
9.00am	Housekeeping	
9.10am	New Zealand's Future Energy Centre's Role in Transitioning Aotearoa to a Sustainable Energy Future <b>PAM WALKLIN   HEAD OF COMMERCIALISATION, ARA AKE</b>	
9.40am	Ministerial Address <b>HON DR MEGAN WOODS   MINISTER OF HOUSING, MINISTER OF ENERGY AND RESOURCES, MINISTER OF RESEARCH, SCIENCE, AND INNOVATION</b>	
10.15am	Presentation Proudly Sponsored by	
10.15am	Tackling Climate Change with Machine Learning <b>DAVID ROLNICK   ASSISTANT PROFESSOR OF COMPUTER SCIENCE AND CANADA CIFAR AI CHAIR, MCGILL UNIVERSITY AND THE MILA QUEBEC AI INSTITUTE; CO-FOUNDER AND CHAIR, CLIMATE CHANGE AI</b>	
11.00am	Sponsor Introduction <b>KANCHANA MARASINGHE   ENERGY TRANSITION PROGRAMME MANAGER, EECA</b>	
11.03am	Morning Tea, Networking, Industry Exhibition <i>Proudly Sponsored by</i>	

	<b>Session 6a   Batten Room</b>	<b>Session 6b   Rutherford Room</b>
11.30am	<b>How Does Certification Fit in with and Drive a Lower Carbon Aotearoa</b> <b>BOBBY SHEN   BUSINESS DEVELOPMENT MANAGER - EXISTING BUILDINGS, NEW ZEALAND GREEN BUILDING COUNCIL</b>	<b>The Roadmap to Net-Zero with Geothermal Resources</b> <b>KENNIE TSUI   CHIEF EXECUTIVE, NEW ZEALAND GEOTHERMAL ASSOCIATION</b>
12.00pm	<b>Reducing the Demand on the Electricity Grid in a Carbon-Neutral New Zealand: The Opportunity for Ground-Source Heat Pumps in Smart Building Designs</b> <b>ANYA SEWARD   GEOTHERMAL GEOPHYSICIST, GNS SCIENCE</b>	<b>Innovation in Energy and Carbon Measurement and Reporting – IoT, Cloud Services and Machine Learning</b> <b>LINCOLN WATSON   CHIEF EXECUTIVE OFFICER, ESP</b>
12.30pm	<b>Is There a Demand-Side Solution to New Zealand’s Dry-Year Problem?</b> <b>MICHAEL JACK   DIRECTOR - ENERGY PROGRAMME, OTAGO UNIVERSITY</b>	<b>Accelerating Emission Reduction Using Local Emission Rates</b> <b>CLIVE PINFOLD   CHIEF EXECUTIVE OFFICER, DECARBOINSE</b>
12.55pm	<b>Welcome to Lunch</b> <b>PAUL MINCHIN, LOCATION DIRECTOR NZ, WORLEY</b>	<b>Welcome to Lunch</b> <b>NICK STONIER   ENERGY TRANSITION MANAGER, WORLEY</b>
<b>12.58pm</b>	<b>Lunch, Networking, Industry Exhibition</b> <i>Proudly Sponsored by</i>	
		
	<b>Session 7a   Batten Room</b>	<b>Session 7b   Rutherford Room</b>
2.00pm	<b>Cutting through the BS – Speeding up Decarbonisation with Open Dialogue</b> <b>JOSH ELLISON   REWIRING AUSTRALIA</b>	<b>Smarter Electrification for Net-Zero Hospitals</b> <b>ANDY LOGUE AND JACK YOUNG   DIRECTOR AND SENIOR ENERGY CONSULTANT, ENERGY NZ</b>
2.30pm	<b>Decarbonisation Through Electrification - How Close are we to Integrating Distributed Energy and Building Load into the Electricity Ecosystem? Very!</b> <b>TERRY PADDY   MANAGING DIRECTOR, CORTEXO</b>	<b>Demonstrating a Pathway for Local Government to Achieve Net-Zero</b> <b>JONATHAN LINDERS   ENERGY AND CARBON ADVISOR, HUTT CITY COUNCIL</b>
3.00pm	<b>Assisting Clients Evaluate Bioenergy Heating Options</b> <b>LLOYD MCGINTY   DIRECTOR, ENERGY MANAGEMENT, AHIKĀ CONSULTING</b>	<b>Decarbonising Heat with Renewable Thermal Energy: A Case Study of the proposed Taupo East District Thermal Energy System</b> <b>YALE CARDEN   FOUNDER AND MANAGING DIRECTOR, GEOEXCHANGE AUSTRALIA</b>
3.25pm	<b>Afternoon Tea, Networking, Industry Exhibition</b> <i>Proudly sponsored by</i>	
		
	<b>Session 9   Batten Room</b>	
3.55pm	<b>How a Circular Economy could Accelerate Decarbonisation in New Zealand</b> <b>DEBBIE O’BYRNE AND SARAH BACON   CIRCULAR ECONOMY PRINCIPAL AND ASSOCIATE – INDUSTRIAL SUSTAINABILITY CONSULTANT, BECA</b>	
	<b>Presentation Proudly Sponsored</b>	
		
4.25pm	<b>The Emerging Circular Economy for Lighting</b> <b>BRYAN KING   MANAGING DIRECTOR, STRATEGIC LIGHTING PARTNERS</b>	
4.55pm	Conference Reflections / Wrap up	
5.00pm	Conference Close	

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