

23rd November Energy Wellbeing Consortium Day

9:00 9:15	Welcome/Mihi
9:15 10:15	Keynote: Ian Preston (Centre for Sustainable Energy): A Sustainable Energy Transition for the United Kingdom – Understanding Distributional Impacts of Energy Policy
10:15 10:45	Morning tea
10:45 11:15	Amanda-Lanuola Dunlop (Energy Hardship Expert Panel): Energy Wellbeing in Aotearoa: Insights from the Energy Hardship Expert Panel
11:15 12:15pm	Energy Wellbeing Session One
	Sea Rotmann (Sustainable Energy Advice Ltd, <i>Austria-Online</i>): Are the majority of energy users really "hard- to-reach" or are we not trying hard enough to reach them?
	Janet Stephenson (University of Otago): Evaluating energy hardship interventions: from frameworks to measures
	Phoebe Taptiklis (Motu Economic & Public Research): Live lessons from Community-based energy research
	Hinerangi Pere (Orion): Being a force for good, powering a cleaner brighter future with our communities
12:15pm 12:30pm	Pecha Kucha poster session
12:30pm 1:30pm	Lunch and Poster Session
1:30pm 2:45pm	Energy Wellbeing Session Two
	David Craven (DEECA & all Australian Govt, <i>Australia-Online</i>): Good data on existing homes matters: The Residential Efficiency Scorecard
	Tom Kane (Kāinga Ora): Winter inside social homes
	Luis Medrano (Future Cities Research Hub, University of Auckland): A sociotechnical post-occupancy evaluation to uncover elements of practice for reducing fuel poverty and performance gaps
	Scott Willis MP (Aukaha): Interim Report and Observations: the Otago home upgrade programme
	Courtanay Gray (Habitat for Humanity Northern Region): Habitat's Impact on Household Energy Savings
2:45pm 3:30pm	Energy Wellbeing Panel Session
3:30pm 3:45pm	Afternoon tea
3:45pm 5:00pm	Multi Disciplinary Energy Research
	Arjan Abeynaike (University of Otago): Living labs for decarbonizing our campus
	Madeline Judge (University of Otago): How correcting misperceptions could help accelerate transitions
	Anthony Mirfin (University of Otago): Physically-motivated approach to incorporating solar gain into a data-driven model of building energy consumption
	Kieran Demonte (University of Otago): Expanded porphyrin-like designer catalysts for electrocatalytic H ₂ evolution and selective CO ₂ reduction
	Phil Glassey (GNS Science): Critical Minerals, Renewable energy and Net Zero carbon. Some New Zealand perceptions
6pm	Dinner (St Margarets College)
24th November Energy Research Agendas Day	
9:00 9:05	Welcome/Mihi

9:05	10:05	Keynote: Malcolm McCulloch (University of Oxford, UK) Distributed energy resources 'Fractal Grid'
10:05	10:25	Morning tea
10:25	11:10	Keynote: Elizabeth Wilson (Dartmouth College, USA) Offshore Wind Electricity Generation
11:10	12:10	Regional Transitions (Chair: ?)
		Jonathan Young (Ara Ake, NZ) Taranaki's Energy Transition
		Mike Shatford (Murihiku Regeneration, NZ)
		Steve Canny (Great South, NZ)
		Panel discussion
12:10	1:00pm	Lunch
1:00pm	2:15pm	National Opportunities
		Simon Arnold (NERI, NZ) From fossil fuels to local renewables: A research framework to address NZ's energy GHGs
		Greg Sise (Energy Link & University of Otago): Investment feasibility in a 100% renewable, energy-only electricity market
		Celia Wells (GNS Science): Decarbonising industries with geothermal- a pathway to greater direct use
		Juan Cabrera & Alan Brent (Te Herenga Waka Victoria University of Wellington): Agrivoltaics: Appropriate typologies for farming operations in Aotearoa New Zealand
		Jen Purdie (University of Otago): Industrial demand response to firm up a 100% renewable electricity system
2:15pm	2:30pm	Coffee Break
2:30pm	3:45pm	New Technologies
		Wilson McNeil (University of Canterbury): Electricity demand and offset emissions from nationwide heavy battery-electric vs. fuel cell truck decarbonisation in New Zealand in 2050
		Sam Caldwell (Vector Ltd): Load forecasting for dynamic operating envelopes
		Andy Dynan (Te Herenga Waka Victoria University of Wellington): Gravitational energy storage systems to optimise the efficiency of hydropower generation capacity in Aotearoa New Zealand
		Evelyn Hunsberger (Vector Ltd): New methods of low voltage outage detection for facilitating the energy transition
David Frost (McGill University): Metal fuels for zero-carbon heat and power		
3:45pm	4:00pm	Close
Poster session		
Al-Hasan Abdulwahid (University of Otago): The Role of H2-Diesel dual fuel vehicles in accelerating the uptake of H2 fuel-cell heavy vehicles in New Zealand		
Kirill Misiuk (University of Otago): Examination of mechanical durability of aluminium topographically modified for energy applications		
Celia Wells (GNS Science): Climate science inspires students to drive down school-run carbon dioxide emissions		
Varinder Singh (University of Otago): Electrolytic HER study of monometallic and mixed-metal pyridazine linked cryptates		
Neil Fernandes (Powerhouse Wind Ltd): Opportunities for green hybrid generators serving remote NZ		
Hannah Konnings (University of Otago): Regional and seasonal breakdown of residential space heating demand in New Zealand		
Leili Salmanpour (University of Tehran): Long-Term Strategic Energy Planning		

