

Day 1 - Thursday 18th November 2021

9:00	Welcome/Mihi	
9:10	Keynote: Dr Stéphanie Bouckaert, Head of Demand Sectors Unit, Senior Energy analyst @ IEA	
10:10	Morning tea	
	Session: National Energy Modelling - co-organised with NERI / Chair: Sebastian Gehricke	
10:40	Dr Gareth Gretton	NZ energy scenarios: TIMES-NZ, EECA
11:00	Dr Ian Mason	Energy Systems Modelling for a Changing Climate, University of Canterbury
11:20	Mr Greg Sise	Price Formation and Investment in a 100% Renewable Electricity Market, Energy Link
11:40	Dr Jen Purdie	100% renewable 2030 or 2040? - the implications, Centre for Sustainability, University of Otago
12:00	Lunch	
13:00	Dr Jonathan Leaver	System Dynamics Integrated Assessment Modelling with UniSyD, UNITEC
13:20	Panel discussion -National Energy Modeling	
	Session: Two - Short presentations on posters / Chair: Craig Cliff	
14:00	Ngaio Fulton	Night-time Photovoltaics: An answer to the renewable energy supply-demand mismatch?, Physics Department, University of Otago
14:05	Sam Lowrey	Refrigerative Dehumidifier Performance Improvements using a 3D-Printed Polymer Energy Recovery Heat Exchanger, Physics Department, University of Otago
14:10	Michael Bennington	A copper electrocatalyst for H ₂ production from a neutral water solution, Chemistry Department, University of Otago
14:15	Chris Hughes	Condensation-frosting investigation on coating-free topographic wetting gradients for heat transfer surface applications, Physics Department, University of Otago
14:20	Milan Chapagain	Wetting Phenomena on 3D-Printed Heat Exchanger Surfaces, Physics Department, University of Otago
	Session: Three / Chair: Craig Cliff	
14:25	Aleida Powell	Modelling the Long-term Impacts of Increased Demand Response within a 100 % Renewable New Zealand Power System, Physics Department, University of Otago
14:40	Carsten Dortans	What happens to demand after households adopt PV?, Center for Sustainability, University of Otago
14:55	Afternoon tea	
	Session: Four / Chair - Jen Purdie	
15:40	Kirill Misiuk	Spontaneous droplet motion on micropatterned aluminium for improved efficiency of heat-exchangers and wind turbines , Physics Department, University of Otago
15:55	Isabella Pimentel Pincelli	Considering Material Cycles for a Transition to Low-Carbon Energy Systems in Aotearoa – New Zealand: a Systematic Review, Victoria University of Wellington
16:10	Solis Norton	EROI analysis of net zero transition modelling for New Zealand, Mansford Station
16:25	Tsani Rakhmah	Firm-Level Barriers to Geothermal Power Project Development in New Zealand, Geography Department, University of Otago
	CLOSE	

Day 2 - Friday 19th November 2021

8:55	Welcome	
	Session: Energy Hardship and the Transition co-organised with the Consortium of Energy Hardship Evaluation/ Chair: Atawhai Tibble (Haemata)	
9:00	Ben Anderson	Simulating the consequences of a residential emissions based carbon levy at the city and neighbourhood scale, University of Southampton
9:15	Jake Cherrie	Understanding energy efficiency benefits of insulation and heat pump retrofits using smart meter data
9:30	Caroline Fyfe	From Hearth to Health: An investigation into the health impacts of the Warm Up New Zealand home insulation subsidy programme
9:45	Morning tea	
	Session: Energy Hardship and the Transition co-organised with the Consortium of Energy Hardship Evaluation/ Chair: Atawhai Tibble (Haemata)	
10:15	Ella Priest-Forsyth, Mel Pande, Victoria Coad, Laurie Boyce, Sym Pandey	Ministry of Business, Innovation and Employment's Energy Wellbeing Work Programme, MBIE
11:10	Chris Mardon and Tracey Lyall	King Country Energy Hardship Reducing Pilot Programme
11:20	Leana Hunt and Susanna Barthow	'Healthy Homes Interventions' including 'Winter Warmer Packs'
11:30	Jennifer van der Merwe	Kāinga Ora Emissions Reduction and Renewable Energy Programmes
11:45	Lunch	
	Session: Quick-fire round on Energy Hardship and the Transition / Chair: Nina Campbell (EECA)	
12:45	Greg Overton	Housing research: Transition to zero-carbon built environment - HEEP2, BRANZ
12:50	Caroline Fyfe	Warmer Kiwis Study: an empirical impact evaluation of EECA's Warmer Kiwi Homes Programme, Motu
12:55	Scott Willis	Energy hardship, decarbonisation, and flax-roots innovation, Climate Navigator
13:00	Smrithi Talwar	Community Resilience and Energy Security Research at GNS Science, GNS
13:05	Anaru Waa	A framework for understanding how to promote wellness among Māori, Centre for Sustainable Cities
13:10	Miranda Struthers	Tackling energy hardship- an industry perspective, ERANZ
13:15	Ryan Roberts	Aotearoa Community Renewable Energy: Design of an Impact Framework, Victoria University of Wellington
13:20	Gareth Cartwright	Maximising the Impact of Our Work, CEN
13:25		Q&A, Hosted by Nina Campbell (EECA)
	Panel Discussion on Evaluating Frameworks for Energy Hardship/ Chair: Janet Stephenson (Otago)	
13:45	<p>The panel will discuss the following questions:</p> <p>i) what do we want to achieve with collaboration in evaluation of energy hardship?</p> <p>ii) what are our definitions of success in alleviating energy hardship?</p> <p>iii) what frameworks are people using now – and where is there scope for greater alignment?</p>	<p>Anaru Waa (Centre for Sustainable Cities)</p> <p>Gareth Cartwright (Community Energy Network (CEN))</p> <p>Vicki White (Building Research Association of NZ (BRANZ))</p> <p>Atawhai Tibble (Haemata)</p> <p>Kim O'Sullivan (He Kainga Oranga)</p>
14:45	Best Student Presentation awards - EECA	
15:00	CLOSE	