

FOURTH QUARTER MEETING – 2022

Date: 16 November 2022

Time: 1.30pm – 5.00pm

MC: **Rebecca Osborne** – Transpower

Venue: Te Wharewaka o Pōneke

2 Taranaki Street, Wellington

Central (on the Whairepo lagoon,
near Te Papa) and online

Agenda

1.10pm **Doors open:** Registration and networking – tea and coffee

1.30pm **Introduction:** Welcome from the MC
Rebecca Osborne – *Head of Grid Pricing, Transpower*

1.35pm **Capacity markets – lessons from Australia**

Capacity markets have been used in electricity markets around the world for many years. In Australasia, the Western Australian market has had a capacity mechanism in place since 2005, but New Zealand and the NEM have been energy-only since inception. A capacity market has recently been touted as one potential element of New Zealand's future electricity market design, and the NEM has currently designed one for introduction there.

Robinson Bowmaker Paul is a Wellington-based energy consulting firm working across Asia Pacific, and is currently engaged by Energy Policy WA on a redesign of Western Australia's capacity mechanism, to ensure it remains fit for purpose across the energy transition. Tim Robinson will discuss how capacity market design efforts in both the WEM and the NEM seek to ensure reliable supply in the new world of increasing intermittency, distributed resources, and storage technology, and draw some lessons for New Zealand.

Tim Robinson – *Principal, Robinson Bowmaker Paul*

2.05pm **Distributed resources and the power systems**

solarZero recently entered the reserves market, initially offering some 3,200 household battery systems in what is believed to be a world first. solarZero will give an outline of the project and how distributed energy resources could evolve to provide more power system stability services in the future.

Eric Pyle – *Director Public Affairs and Policy, solarZero*

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- 2.35pm **Market Update | Electricity spot market, hydro, demand, supply and prices**
Karen Lin – *Operations Business Analyst - Energy, NZX*
- 2.43pm **Market Update | Jarden**
Nigel Brunel – *Head of Commodities, Jarden*
- 2.52pm **Market Update | Futures – electricity**
Chris Pugh – *Product Development & Sales, ASX (via Zoom)*
- 3.00pm **Networking break:** Tea and coffee
- 3.30pm **Market Update | Gas market**
Cathy Lawless – *Senior Commodity Markets Analyst, emsTradePoint (via Zoom)*
- 3.38pm **Real Time Pricing (RTP) – enabling demand response in the wholesale market**
 - RTP will be live in the wholesale market from 1 November
 - Actionable prices to respond to is one part of the low carbon transition story
 - The next phase of RTP will enhance demand side participation in the wholesale market
 - Enhancements being made to the Dispatchable Demand product and the introduction of dispatch notification for aggregators and small-scale participants**Chris Otton** – *Principal Analyst, Market Policy, Electricity Authority*
- 4.08pm **Modelling hydrogen as a storage medium for dry years and other contingencies**
Greg Sise – *Managing Director, Energy Link*
- 4.34pm **Which way is forward? Exploring some of New Zealand's energy pathway choices**
Highlights from the recent analysis of key energy pathway choices facing New Zealand.
 - Will pushing for 100% renewable electricity deliver good environmental and economic outcomes?
 - Is green hydrogen a realistic decarbonisation pathway for pipeline natural gas?**Simon Coates** – *Director, Concept Consulting*
- 5.00pm **Forum close – networking start**

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