

DOWNSTREAM\21

THE ENERGY SECTOR'S STRATEGIC FORUM

29-30 MARCH | LOWER HUTT EVENTS CENTRE

Energy Security for New Zealand
Market Structure and Reform
Energy Transitions
Regulation and Governance

DOWNSTREAM\21

Celebrating its 10th anniversary in 2021, Downstream remains New Zealand's leading event for the energy industry.

The energy sector has much to discuss in 2021 and Downstream is the place where everyone gathers. Bringing together international influencers and local leaders, Downstream shares strategic insights into our current challenges and opportunities. Book your place today.

Tackling the big issues including:

- Energy policies from the new Government
- Dry year solutions
- Energy security
- Market structures
- Decarbonisation
- Affordability and energy hardship
- Electrification of transport and process heat
- Distributed energy and grid edge innovation
- Energy infrastructure and the RMA
- Governance of energy asset owners
- The role of energy in supporting New Zealand's industrial capability

KEY SPEAKERS INCLUDE:



Nigel Barbour
Chief Executive,
Powerco



Neal Barclay
Chief Executive,
Meridian Energy



Simon Mackenzie
Chief Executive,
Vector



Gretta Stephens
Chief Executive,
New Zealand Steel



Keith Turner
*Independent Director
& Former CEO,*
Meridian Energy



Fraser Whineray
*Chief Operating
Officer, Fonterra*



Kerry Schott AO
*Chair, Energy
Security Board of
Australia*



**James Stevenson-
Wallace**
Chief Executive,
Electricity Authority



Jo Hendy
Chief Executive,
Climate Change
Commission



Tracey Hickman
*Chief Customer
Officer, Genesis
Energy*

DINNER

Join us for the Downstream Dinner – a great way to continue the conversation with industry colleagues. Or use the dinner to host energy sector clients.

Book our most popular Summit + Dinner pass.



Sponsorship & Exhibition Opportunities

The 2021 Downstream Summit will host 400 leaders from the full energy spectrum in New Zealand. There are limited sponsorship and exhibition opportunities at the Summit, so make sure you showcase your expertise to this key group of decision-makers.

Contact sponsorship@conferenz.co.nz or james.wardhaugh@freemanmedia.co.nz for a prospectus and discuss the options with us.

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Electricity Transmission Network of New Zealand

Major Electricity Users' Group

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new zealand
wind energy association

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LPG Association
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ELECTRICITY AUTHORITY
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DAY 1 : 29 MARCH

07.30 **Sponsored Breakfast (by invitation)**

08.30 **Welcome from the Chair**
Sheridan Broadbent - *Director, Transpower*

08.35 **Mayoral welcome**
A welcome to Lower Hutt from the Mayor.
Campbell Barry - *Mayor*

VIEWS FROM THE TOP

08.45 **Leaders' panel**
With 2020 being characterised by surprise government intervention, policy announcements and COVID-19, it is time to reassess the performance of the New Zealand energy industry and look to the future.

- The COVID effect, back to the bottom line
- Industry structure – sub-optimal?
- Retail pricing – back on the political agenda?
- Solving the industrial heat question
- New generation build roadmap
- Managing dry year reserve and climate change effects

Nigel Barbour – *Chief Executive, Powerco*

Neal Barclay – *Chief Executive, Meridian Energy*

David Prentice – *Chief Executive, Trustpower*

Facilitator:

Toby Stevenson – *Director, Sapere*

10.00 **Electrification - how are we going?**
2021 will be a defining year with NZ's first draft climate change budgets released.. The major global economies of Europe, China, Japan and South Korea are forging ahead with net zero carbon plans with the Biden Administration expected to follow suit soon. This session reflects on how we're going as a sector in meeting our climate change aspirations and the pivotal role electrification plays.

- How are we going as a sector?
- Where do we need to gear up?
- How do we solve these challenges as a sector?
- What are the opportunities for us?

Alison Andrew – *Chief Executive, Transpower*

10.30 **An energy market delivering long-term benefit for electricity consumers**

After ten years as Chair of the Electricity Authority, one of the architects of the modern New Zealand Electricity Market is leaving their influential role and passing the baton for others to continue the work.

- The most important drivers of market change
- Successes, misfires and regrets
- Improving our electricity market over the next 10 years

Brent Layton

11.00 **Morning tea and refreshments in the Downstream expo**

ENERGY SECURITY FOR NZ

11.30 **Gas supply (and demand) outlook**

The future role of gas in New Zealand is not certain. However, given New Zealand's reliance on gas, developments in the gas market directly affect our energy security and impact on consumers. This session reviews the current outlook and considers specific commercial models and market mechanisms that compensate gas infrastructure investors for their contribution to energy security.

- The nation's forward gas supply curve for the next 10 years
- New commercial models for gas generation
- Supporting increased renewable generation
- Demand trends for gas and LPG
- Pricing, liquidity and market performance

John Kidd – *Director, Head of Research, Enerlytica*

12.00 **Lake Onslow – is this our best investment in a dry year solution?**

In a surprising move, Cabinet allocated \$30 million for the initial investigation of possible energy storage solutions to New Zealand's dry year electricity problem. One controversial solution has been singled out for attention, the Lake Onslow pumped hydro project.

- Nation-building - thinking-big versus small scale, local and distributed
- New Zealand energy problems this investigation must tackle
- The role of government in solving dry year reserve
- Analysing the benefits and costs to New Zealand, and New Zealand consumers
- Unlocking a more sustainable future, meeting emissions targets
- Who should own and pay for a project like Lake Onslow?

Paul Goodeve – *Chief Executive, First Gas*

Earl Bardsley – *Associate Professor, The University of Waikato*

Keith Turner - *Independent Director & Former CEO, Meridian Energy*

Phillippa Fox – *General Manager, Energy and Resource Markets, Ministry of Business, Innovation & Employment*

Facilitator:

John Hancock – *Director, Signature Consulting*

1.00 **Lunch, roundtables and one-on-one meetings**

MARKET STRUCTURE AND REFORM

2.00 **International Perspective - Energy market design for post-2025**

The Energy Security Board of Australia recently published their roadmap for national electricity

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market reform. Although our markets are different, the big issues are remarkably similar and makes for a useful guide for the New Zealand energy market.

Kerry Schott AO – *Chair, Energy Security Board of Australia*

2.30 **Creating a fit-for-future purpose market structure in New Zealand**

When discussing the New Zealand energy market structure there is often debate about the need for 29 electricity distribution companies, or the need to split generation and retail. This session provides a chance to discuss energy market structural opportunities including regulatory oversight and system operation.

- Effects from existing market structure issues
- Need for a Ministry of Energy
- Super regulator – merging some or all of our energy regulators
- Ownership structures of key energy assets, incentives and outcomes

Dr Alan Bollard – *Chair, New Zealand Infrastructure Commission*

Luke Blincoe – *Chief Executive, The Energy Collective*

Ralph Matthes – *Executive Director, MEUG*

Nicki Crauford – *Chair, Electricity Authority*

3.30 **Afternoon tea and refreshments in the Downstream expo**

DISTRIBUTION NETWORKS AND NEW PLATFORMS

4.00 **A new system operator is coming - DSO**

There is widespread acceptance we will soon need a Distribution System Operator (DSO) function in New Zealand, with only a small window to get it right.

- Who could, and should take the lead on this?
- Integration with the Transmission System Operator (TSO)
- Evaluating the right 'model' for New Zealand

- Non-infrastructure solutions and procuring services from non-traditional
- Successful international comparators

David Reeve – *Director, Sapere*

4.30 **Our future with Distributed Energy Resources (DERs)**

Many predict 2021 as the year when small-scale solar plus batteries reaches cost parity with grid energy, and the global amount of grid connected battery storage is predicted to grow by five times out to 2025. Will the new money focused at network edge and behind the meter attract new faces to invest in the New Zealand energy market?

- The timing issue and developments such the closure of Tiwai
- Readiness of the New Zealand market and regulatory systems
- Contribution of DER to managing peak demand
- International trends in similar markets
- Deliverability of distributed versus grid scale solutions and outcomes

Peter Armstrong – *Chief Executive, Westpower*

5.00 **Developing the New Energy Platform (NEP)**

Vector and Amazon Web Services are jointly developing the New Energy Platform, using advanced IoT, machine learning and the power of data analytics to facilitate smarter, customer-centric decisions. This first deal of its kind for AWS in New Zealand, and for AWS in the global energy sector. Explore the market dynamics that led to the strategic alliance and what it aims to achieve.

Simon Mackenzie – *Chief Executive, Vector*

5.30 **Close and thanks from the Chair of Day One**

5.35 **Networking drinks in the Downstream Expo**

6.45 **The Downstream Dinner of the Decade**

Enjoy the best networking event of Downstream and join your peers to celebrate the milestone with some images and memorable moments from the last 10 years of Downstream... plus a few surprise guests.

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10TH ANNIVERSARY



DAY 2 : 30 MARCH

08.30 **Welcome from the Chair**

ENERGY TRANSITIONS

08.40 New emissions targets for energy

The Climate Change Commission will be reporting to government on emissions budgets and emissions reduction plans. This advice will decide how fast and how hard New Zealand needs to go, and the role of the energy sector in support.

- The emissions targets and pathways to meet New Zealand's climate targets
- Low emissions practices, technologies and infrastructure for the energy sector
- Assessing the long-term climate benefits of energy sector investment

Jo Hendy – *Chief Executive, Climate Change Commission*

09.00 (Major Energy) Consumer demand for new renewable generation

Large energy consumers are leveraging their balance sheets and exploring the idea of being renewable power project developers and have gone to market for new renewable power projects with a stated goal of substantially reducing their emissions.

- Alternative energy solutions being considered
- Outcomes being sought by large energy consumers
- Disadvantages of existing traditional energy procurement offerings

Fraser Whineray – *Chief Operating Officer, Fonterra*

09.45 The transport fuel (and EV) opportunity

Transport accounts for over 40% of national energy demand but contributes over 50% of our energy-related emissions and 99% of our transport energy demand continues to be met through fossil fuels. There may be barriers to overcome before we stop importing crude or refined liquid fuels, but the opportunity is apparent.

Jimmy Ormsby – *Managing Director, Waitomo Group*

Andrew Clennett – *Chief Executive, Hirlinga Energy*

Alan Pearson – *Chief Executive, TIL Group*

Facilitator:

Marcos Pelenur – *Group Manager, Strategy and Engagement, EECA*

10.30 Morning tea in the Downstream expo

11.00 The RMA and the reforms – challenges and opportunities

With a detailed review of the RMA undertaken, and its reform being front and centre on the reform agenda, what are the opportunities and risks for the

sector?

- The challenges of the RMA – planning and consenting lead times, lack of national direction, investment uncertainty
- Experience from the COVID-19 (Fast-track consenting) Act 2020
- How might the reform help or hinder electrification
- What are the opportunities and risks for the sector
- The role of Te Tiriti in the reforms
- Stakeholder engagement to get the best outcomes

Raewyn Moss – *General Manager, External Affairs, Transpower*

Jo Mooar – *Senior Corporate Counsel, Transpower*

12.00 Enhancing New Zealanders' lives, prosperity and environment through electricity

James Stevenson-Wallace – *Chief Executive, Electricity Authority*

12.30 Lunch and meetings

ENERGY AFFORDABILITY

1.30 Energy, industrial activity and international competitiveness

Given the contribution of industrial consumers to the wider economy and the cost of core energy infrastructure, we analyse how sensitive industry is to changes in cost of energy. And explore the role of the energy sector in supporting New Zealand's industrial capability.

- Is enough weight given to the impact on large industrial and exporting consumers when making important industry decisions?
- Predicting the effect of Tiwai closing on remaining industrial users
- The trade-off between support for domestic or industrial consumers
- International examples of supporting your domestic industrial base/export sector
- Risks around transmission pricing going forwards

Catherine Beard – *Executive Director, Export NZ*

Gretta Stephens – *Chief Executive, New Zealand Steel*

Dieter Adam – *Executive Director, The Manufacturers' Network*

Dean Richardson – *Managing Director, Methanex New Zealand*

REGULATION AND GOVERNANCE

2.15 Governance of an energy asset owner

With the Commerce Commission shortly releasing their report of the Aurora review. The need for good governance of energy assets is in the spotlight. Governance failures lead to sub-optimal energy price and quality outcomes for consumers.

- Good energy asset governance practices and the right governance structure for an energy asset owner
- The different ownership models, stewardship and long-term interests versus near-sighted incentives
- Managing a board's competing interests
- Increased regulatory focus on governance

Carl Findlater – *Chair, Southland Power Trust*

Richard Fletcher – *Chief Executive, Aurora Energy*

Richard Westlake – *Managing Director, Westlake Governance*

Facilitator:

Julie Hardaker – *Deputy Chair, Governance New Zealand*

3.00 Afternoon tea in the Downstream expo

3.30 Regulatory developments – competition and performance

The Commerce Commission, in common with energy regulators around the world, is planning to increase the use of its Information Gathering and Summary Analysis powers to place regulated entity performance data in the public domain. Allowing all stakeholders to have the ability to analyse the data.

Andy Burgess – *Head of Energy, Airports and Dairy Regulation, Commerce Commission*

CUSTOMER FOCUS AND DATA

4.00 Modern energy retailing

Never underestimate the importance of that final link in the supply chain. The retail sector features fierce competition, more data, increasing customer participation and energy affordability challenges to name a few. It also has big opportunities around behind-the-meter services, and a large number of competitors ready and waiting to invest in this space.

- Digital tools needed for energy retail 2.0
- Evolving customer needs - innovation and customer-centricity
- Delivering better customer outcomes
- Product bundling, gas, LPG, triple play solutions and strategic partnerships

Fiona Smith – *General Manager Customer Operations, Trustpower*

Mary Ollivier – *Commissioner and Chief Executive, Utilities Disputes*

Tracey Hickman – *Chief Customer Officer, Genesis Energy*

Kevin Angland – *General Manager Retail & Digital, Mercury*

Facilitator:

Juanita Neville Te-Rito – *Founder, Retail Strategy Director, Retail X*

5.00 Chair's closing remarks and end of conference



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(DINNER ONLY)

Dinner Ticket:

\$210

Table of 10:

\$2100

This is a live event – it may be required to run as an online only event. Due to the possibility of ongoing uncertainty around government regulations on mass gatherings in response to COVID-19 at any particular time or region, the organisers may determine to run the event online and On-Demand only. By registering for this event, you acknowledge and accept this possibility and accept that this is not valid grounds for requesting a refund. Your ticket is valid for both formats.

Agenda Updates: Agenda is correct at time of printing, please check online for any updates.

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