

DOWNSTREAM\22

THE ENERGY SECTOR'S STRATEGIC FORUM

29-30 MARCH | LOWER HUTT EVENTS CENTRE

**New Zealand's premier event for everyone
involved in the downstream energy industry**

**Energy security | Transitioning to renewables
Market performance | Future regulations | Disruptors**

DOWN STREAM\22

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**Keeping you informed and engaged in 2022,
Downstream is New Zealand's leading event
for the energy industry.**

Bringing together international influencers and local leaders,
Downstream shares strategic insights into our current
challenges and opportunities. Book your place today.

Working through the big issues:

- Energy democratisation – fiction or future
- Market comparisons – lessons for Aotearoa
- Future regulations and their collective influence
- Benefits of open data sharing
- Market effects from grid-scale solar growth
- Renewable fuel transition and energy security
- Solutions for vulnerable customers
- The disruptors to watch

FEATURED SPEAKERS:



Ben Irons
Habitat Energy



Catherine Soper
Genesis



Jason Dale
New Zealand Steel



Steve Wiggins
Payments NZ



Gary Holden
Lodestone Energy



Vince Hawsworth
Mercury



Huia Burt
The Energy
Collective



**Jessica
Venning-Bryan**
Flux Federation



Greg Williams
Australian
Energy Markets
Commission (AEMC)



**Caitlin Tromp
van Dalen**
Gas Industry
Company



DINNER

Conclude day one with a dinner experience that shines a light on our emerging talent, as we hear from young energy sector executives, through a candid discussion on workforce attraction, retention and career pathways.

In collaboration with



SPONSORSHIP & EXHIBITION OPPORTUNITIES

Downstream 2022 will host over 400 sector participants, decision makers and influencers from across Aotearoa. Secure your sponsorship property as soon as you can to access and engage the Downstream audience. Contact james.wardhaugh@freemanmedia.co.nz or dominidc@brightstar.co.nz for a prospectus or to discuss options.

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DAY 1 : 29 MARCH

07.30 Registration & coffee in the Downstream expo

07.30 Invite only breakfast
Sponsored by **Jacobs**

08.45 Mihi whakatau

09.00 Welcome from the Day One chair
Angela Ogier - Associate Director | Infrastructure Advisory, EY

VIEWS FROM THE TOP

09.05 **Leaders' panel**
In the past 12 months the sector has once again faced some significant challenges and surprises, including the normalisation of operations under shifting COVID alert levels. With tightening gas supply, wholesale electricity price volatility, pending regulatory change, grid-scale solar projects and NZ Battery developments, it's been a wild ride. Join our cohort of leaders as we kōrero on how to accelerate decarbonisation, secure talent, maintain sector well-being and keep customer needs front of mind.

Panelists:

Alison Andrew - Chief Executive, Transpower

Marc England - Chief Executive, Genesis

Neal Barclay - Chief Executive, Meridian

Facilitator:

Toby Stevenson - Director, Sapere

MARKET DESIGN

10.05 **New perspectives | Exploring market design differences between New Zealand and Australia**

Comparing the New Zealand Energy Market (NZEM) and Australia's National Energy Market (NEM) can be beneficial as we work towards a net zero economy. Reviewing and comparing the pros and cons of the NZEM and NEM provides an opportunity to understand different approaches and analyse whether there are elements that would benefit us here in New Zealand.

- Exploring differences in governance
- Understanding each market's carbon reduction policy mechanisms
- Implications of reducing our reliance on thermal generation
- Matching needs of consumers and generators in real time and forward markets
- Managing congestion
- Network cost recovery

Greg Williams - Senior Economist, Australian Energy Markets Commission (AEMC)

10.35 **Morning break & networking within the Downstream expo**
Scheduled meetings using the Downstream App

11.05 **Price discovery project update**
The Electricity Authority's Market Development Advisory Group (MDAG) has commenced a project investigating how the wholesale electricity market might operate (including price discovery and new investment) under a 100% renewable electricity supply. Projections suggest that new renewable generation will need to be built at a rate materially faster than the industry achieved over the market's first 15 years. MDAG's project is looking at several important questions that are critical to effective investment in generation and operation of the market, given the expected increase in electricity demand and retirement of fossil-fuelled thermal generation.

Electricity Authority

11.35 **Flux Federation presentation**

Sponsored by  **Flux**

Jessica Venning-Bryan - Chief Client Officer, Flux Federation

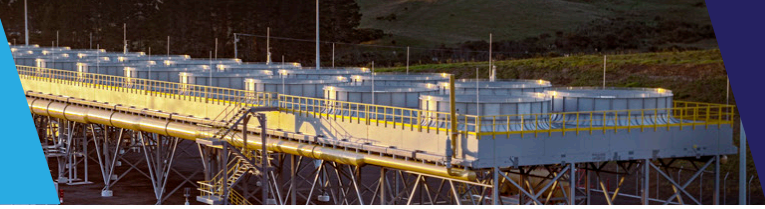
REGULATION

11.50 **Future regulations and their collective influence**
An array of regulations and initiatives are currently being rolled out that affect the energy sector. How will all the individual pieces of legislation and directives fit together and will they collectively enable or hinder efforts to decarbonise the energy sector? And are you ready for the effects of the updated or new RMA, NBA, ETS, TPM, EPR projects, mandatory climate change risk disclosure legislation, the New Zealand Battery project and...
Catherine Soper - GM Government and Regulatory Affairs, Acting GM Sustainability, Genesis

12.20 **Lunch and networking within the Downstream expo**
Scheduled meetings using the Downstream App

IMPROVING OUTCOMES

1.20 **New perspectives | Exploring open data benefits for the energy sector**
Data does not flow easily between different organisations in the energy sector. A functioning, open data ecosystem would enable the sector, policy makers and other institutions to make decisions that are timely, effective and accelerate the transition to net zero. Payments NZ have set up an API centre that has developed standards which



allow for safe access and sharing of data.

- How was this open data sharing achieved, what hurdles were overcome to protect the information and what opportunities have arisen?

Steve Wiggins - *Chief Executive, Payments NZ*

1.50 **Panel discussion | Providing energy for our population's needs: A focus on energy and consumer hardship**

The transition towards a lower emissions economy has the potential to increase the energy poverty gap. It is essential that through this transition, energy hardship is prioritised and services are delivered in a way that is responsive to the population's needs. Addressing energy hardship requires joined-up action across industry, regulators, and government and as the sector transitions towards lower emissions, it is important that those experiencing energy hardship have fair and equitable access to energy. Panelists:

Deborah Hart - *Chair, Consumer Advocacy Council*

Ruth Smithers - *Chief Executive, FINCAP*

Miranda Struthers - *Accessible Energy Advocate, ERANZ*

Facilitator:

Tracey Hickman - *Chief Customer Officer, Genesis*

2.40 **Mercury rising**

In a bold move, Mercury agreed to buy Trustpower's retail business in March 2021 for \$441 million, leaving Trustpower to focus on building its generation business. The acquisition will accelerate Mercury's retail strategy centred on delivering the right product mix and value for customers. Mercury is retaining the Trustpower brand with its complementary products. Find out what's driving this customer focus and the objectives longer term.

Vince Hawsworth - *Chief Executive, Mercury*

3.10 **Afternoon break & networking within the Downstream expo**

Scheduled meetings using the Downstream App

DISRUPTORS

3.40 **Multiple trader relationships – Ara Ake**

Ara Ake is the nation's new energy development centre located in Taranaki, with a purpose of enabling energy innovation to become commercially viable in Aotearoa New Zealand. Ara Ake will be discussing their world-first Multiple Trading Relationships pilot, which offers individuals and businesses more choice and flexibility when it comes to managing their electricity.

Cristiano Marantes - *Chief Executive, Ara Ake*

4.00

Grid-scale solar – Lodestone Energy

Newcomer Lodestone Energy will roll out 229 MW of utility-scale solar capacity in the upper North Island during the next four years, in what is easily the country's biggest-ever solar project. What will this mean for the market, how do the economics stack up and who are the winners?

Gary Holden - *Managing Director, Lodestone Energy*

4.40

Closing remarks from the chair

4.45

Networking drinks within the Downstream expo

Sponsored by **TRANSPower** 

6.30

Dinner | Future energy – empowering tomorrow's leaders

Join the sector for a relaxing dinner at the end of day one and hear from young energy sector executives for a candid discussion on workforce attraction, retention and career pathways.

The energy sector has in the past been criticised for not embracing youth and diversity as it gears up for a new normal. Let's take stock from youth leaders from our five largest customer-facing energy companies to see how we are faring. We won't be afraid of some awkward conversations:

- Embracing and encouraging youth within the sector
- Diversity in the workplace
- Is the sector adequately competing for youth talent?
- How important is ESG?
- What does a young professional expect in the workplace?

Panelists:

Blake Cheesman - *Hydro Technician, Trustpower Mercury*

Meridian

Contact

Under invitation to participate in the discussion:

Hon Dr Megan Woods - *Minister, Energy and Resources*

Supported by

Young Energy Professionals Network 
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DAY 2 : 30 MARCH

07.30 **Invite only breakfast**
Sponsored by **Jacobs**

09.00 **Welcome from the Day Two chair**
John Hancock - Director, Signature Consulting

GENERATION & DEMAND DYNAMICS

09.05 **International keynote: optimising flexible assets**

The emergence of distributed energy resources (DER) such as battery storage, rooftop solar, electric vehicles (EV) and demand response applications have great promise to deliver a lower carbon, more efficient energy system. As New Zealand begins to venture into utilising these resources, it is key that we take lessons from overseas to overcome the challenges that DER presents. This session will address questions such as:

- What technologies are having the biggest impact in overseas markets such as the UK, Australia and the US?
- What is the investment case for these assets, and do they require subsidies or regulatory support?
- Who is optimising and managing these assets – utilities, network operators, third parties, or automated software?
- What impact could DER have in New Zealand? Who should own and operate them, and in which markets?

Ben Irons - Co-Founder, Managing Director, Habitat Energy

09.35 **Energy distribution 2.0**

Powerco is the country's second largest distributor of electricity and gas, with networks covering the upper, central, and lower North Island. New chief executive James Kilty has committed to driving the delivery of the final two years of Powerco's five-year investment plan while also focusing on the next stage of the company's growth. So, what opportunities does this former Contact deputy chief executive see for Powerco and energy distribution at large?

James Kilty - Chief Executive, Powerco

10.15 **Datacom presentation**

Sponsored by **DATAKOM**

10.30 **Morning break & networking within the Downstream expo**

Scheduled meetings using the Downstream App

11.00 **Panel discussion | Insight into the current energy landscape for our major industrial energy consumers**

There have been a lot of developments within

our major industrial energy consumers since Downstream 2021. A new chief executive has started at Tiwai, Marsden Point has wound down as a refinery, and a power purchase agreement was signed between Contact, OJL Fibre and Pan Pac. Reviews of wholesale pricing and transmission pricing implementations are also soon to be reported on and are at the forefront of major energy users' minds.

- How has the recent PPA shaped future discussions between major energy users and generators?
- What is being seen in the wholesale market review?
- Exploring other options for improving energy supply to industrial consumers Stakeholder engagement to get the best outcomes

Panelists:

Chris Blenkiron - Chief Executive, New Zealand Aluminium Smelters

Jason Dale - Chief Commercial and Financial Officer New Zealand and Pacific Islands, and General Manager BlueScope Pacific Islands, BlueScope

Linda Mulvihill - Head of Energy & Climate, Fonterra

Facilitator:

David Thomas - Director, Energy and Environment

ENERGY TRANSITION & SECURITY

11.45 **Fuelling the transition with gas**

Gas supply challenges in 2021 highlighted the current dependency on gas for thermal backup generation. As New Zealand's energy mix transitions towards renewable electricity generation this relationship will change. Gas also plays a key role in providing heat and as a raw input to industry. What needs to happen on the supply and demand side to provide investment confidence during this transition? Speaking from the supply side, major gas producer OMV have several significant work programmes scheduled, including some high expectations for its Māui B programme.

Henrik Mosser - General Manager, OMV New Zealand

12.15 **Lunch & networking within the Downstream expo**

Scheduled meetings using the Downstream App

1.15 **Panel discussion | Energy storage**

Facilitator:

John Kidd - Director, Head of Research, Enerlytica

2.05 **Low carbon energy roadmap**

The Aotearoa Circle's Low Carbon Energy Roadmap defines a pathway to a low carbon energy system that ensures energy security, affordability, a healthy environment, and a just transition. The work has been progressed by a diverse group of private and



public sector stakeholders within the Leadership Group, led by Co-Chairs Bella Takiari-Brame and Chris Jewell, and the Technical Advisory Group, who have provided deeper insights into various topics. The roadmap has been designed to provoke discussion across the sector and inform Government thinking and decisions regarding emissions reductions and the proposed energy strategy.

The Aotearoa Circle

2.35 Panel discussion | Energy security, is it time for something disruptive?

The events of 9 August 2021 highlighted how customers are adversely affected by the current systems used to balance generation and load. When discussing New Zealand's energy security, the conversation often revolves around market settings, network organisation monopolies, separating generation and retail and avoiding collaboration for fear of collusion. With the Government setting a highly ambitious target of achieving 100% renewable electricity generation by 2030, is it time to get creative in how we manage energy security to minimise overbuild and maintain affordability?

Panelists:

Huia Burt - Chief Strategy Officer,
The Energy Collective

Caitlin Tromp van Dalen - Senior Advisor,
Gas Industry Company

Geoff Swier - Principal, Farrierswier

Facilitator:

John Hancock - Director, Signature Consulting

3.20

Afternoon break & networking within the Downstream expo

Scheduled meetings using the Downstream App

RECOVERY AND REOPENING

3.50

Political debate | Economic recovery and the energy sector

The Government has set some ambitious targets recently regarding emissions reduction, renewable electricity generation and environmental protection – with affordable, secure energy having a role to play in the pathway to a prosperous, clean, green, net-zero New Zealand. However, with the New Zealand Battery project in process, major regulatory reform on the go, post-COVID considerations and fuel switching challenges to overcome, is the pathway forward clear? Let's see what the political leaders think about the settings and strategy required for the energy sector to play its part in our economic recovery.

Under invitation:

Hon Dr Megan Woods - Associate Minister of Finance and Minister of Energy and Resources

David Seymour – Finance Spokesperson and Party Leader, Act Party

Andrew Bayly - Shadow Treasurer (Revenue) Spokesperson, National Party

Facilitator:

Brigid McArthur - Partner, Greenwood Roche

4.40

Closing remarks from the chair



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MOST POPULAR

DOWN STREAM\22

(Includes Dinner)

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\$2600

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25 FEB 2022

SAVE \$200

LAST MINUTE

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25 FEB 2022

DOWN STREAM\22

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PAY BEFORE 5PM
25 FEB 2022

SAVE \$200

LAST MINUTE

\$2590

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PAY AFTER 5PM
25 FEB 2022

DINNER

Dinner Ticket:
\$225

Table of 10:
\$2250

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 postpone the event or run the Downstream Forum 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 will be valid for the new dates and the live or virtual formats.

Agenda Updates: The organisers reserve the right to make any amendments deemed to be in the best interest of the event. Programme content is correct at time of printing, please check online for any updates.

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In-Person Event + Live Stream

Vaccination status to attend in-person events: Downstream operates in accordance with the Covid Protection Framework, therefore we require everyone attending our in-person events to be fully vaccinated.

SEE WEBSITE FOR FULL TERMS AND CONDITIONS

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