

A YEAR IN REVIEW

our highlights

2019/2020

Evolving the Energy Trilemma Index

The World Energy Trilemma Index is an important tool to enable policy makers and wider policy influencers to discuss trade-offs and synergies in managing the overall energy system. For some years now, we have had not only our member organisations but also the wider energy sector, including Ministers, referring to the Trilemma in thinking about the development of balanced policy settings. As a leading World Energy Council member committee, we have been working on the evolution of the Trilemma framework to increase its effectiveness and usefulness. The result is an improved methodology. The evolved Index will now allow for an historical analysis of our country's performance back to 2000. Insights from the Index project have helped us shape our energy scenario work.



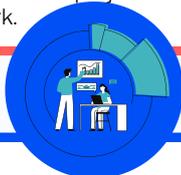
The launch of the BEC2060 Energy Scenarios and ongoing modelling work

In conjunction with Sapere Research Group, the Paul Scherrer Institute and the University of Auckland, and those who invested in the model we have taken delivery of the TIMES-NZ model as contracted for the first phase of development. This is a genuinely unique, New Zealand-specific, whole of energy sector model that will help us reach common understandings and engage in a more transparent and mature conversation about the future. Consistent with this, we have, with a wider set of project investors, been re-working our stories out to 2060. These, along with our new modelling insights, were released in November 2019. Our long-term strategic goal is to be the "go-to" organisation for up-to-date, forward-looking energy data. We are currently working on the second phase of the model development. The project involves structural enhancements in the following sectors of the energy system: transport, industrial, residential buildings, electricity generation, agriculture and commercial sectors.



Participation in the Policy Development Process

While our views have regularly been sought by Ministers (with whom we have regular catch-ups) and officials, we also formally express our views in submissions. Over the past year, we submitted on several issues such as the Climate Change Response Amendment Bill, clean car standard and clean car discount, the market study into the retail fuel sector, the review of the Crown Minerals Act, New Zealand's resources strategy review, New Zealand's vision for hydrogen, the emissions trading scheme (ETS) review (including the ETS auction rules and settings), climate change related financial reporting and the accelerating renewable energy and energy efficiency discussion paper. Feedback on our submissions has been uniformly positive noting the balanced, principled approach we take and our broad reflections from the perspective of the energy sector, and not from a vertical slice of it. Alongside these submissions, we also organised workshops to help inform MoT's work on the Green Freight Project. During the pandemic, particularly during levels 4,3, and 2 we worked closely with the Electricity Authority and MBIE.



The launch of the Global Hydrogen Charter

Clean hydrogen will increase in the global energy mix – the question is not only how much or how soon, but also "how to" enable this opportunity. Over the last year, we have helped WEC to launch the Hydrogen Global Charter – a platform building an impact community which helps develop the ecosystem to drive the uptake for clean hydrogen and clean hydrogen-based fuels. FirstGas was the first New Zealand company to join the Charter, Arup has also joined. The next Charter initiative is to develop a map providing a global overview of hydrogen strategies, including demand and supply.



Keeping our members informed and connected

Staying updated is important in this fast-moving energy sector. In order to keep you informed we provide you with our monthly BEC newsletter and host regular events. Over the course of last year we hosted nine well-attended events which included the launch of the BEC2060 Scenarios in November and the annual "State of the Energy Sector" breakfast briefing with the Minister of Energy and Resources, as well as other seminars with energy leaders from around the globe. As a network we want to share your developments, and I encourage you to pass us your news so we can celebrate your gains with the wider sector. Please also follow us on twitter and LinkedIn as we are now posting news updates more regularly on social media [@BusNZEnergy @BEC_YEPN @TinaSchirr].



Release of the New Energy Issues Map and Interactive Tool

We released the sixth annual New Zealand Energy Issues Map. The New Zealand Energy Issues Map is part of the annual World Energy Issues Monitor which helps bring transparency to the rapidly evolving, complex and uncertain environment in which energy leaders operate. The new interactive tool allows for greater analysis of what is in the minds of our energy executives. Currently, we are in the process of reviewing the 42 existing issues for relevance and updating definitions within the WEC working groups.

YEPN growth and developments of the mentoring programme

Over the last two years, the Young Energy Professionals Network (YEPN) membership has grown to 500+ members and so has the network's mentoring programme. The mentoring programme was launched at Downstream in 2018 and has since helped young energy professionals create a wider network and develop a greater knowledge within and beyond the traditional energy sector. If your organisation is not already part of this highly successful industry-good initiative, please get in touch with our YEPN Co-Chairs – Mark Todoroff, Business Development Director at TESLA and Harsharan Singh, Associate Engineer at BECA and find out more about how you can get involved [www.bec.org.nz/yepn].

