



Joint Institutions Breakfast Event

Sustainable Energy Future
Enabling electrification of the NZ economy
supported by renewable generation

Presented by

John Clarke (FEngNZ | MIEEE),

General Manager, Grid Development, Transpower

When: 7:15am for 7:30am start on 28 October 2021

Where: Wellesley Boutique Hotel, 2 Maginnity Street, Wellington 6011

Cost: \$15.00 for members of any of the three hosting institutions, \$30.00 for any non-member guests.

RSVP: Essential via ENZ registration or IEEE vTools (numbers are limited so first in first served for registrations)

All members and guests of the IEEE Central Section, IET Wellington Network and ENZ Wellington Branch are welcomed to a special event, hosted by all three institutions on the morning of 28 October 2021 in Central Wellington. The guest speaker for this event

is John Clarke, General Manager, Grid Development, Transpower, who will address the need for a sustainable energy future for New Zealand which will be enabled by electrification of the NZ economy supported by renewable generation.

It will be recognised that this event is being held in unusual times. With COVID-19 present in the environment members safety is our priority, so we have worked closely with the venue to ensure that appropriate safeguarding and hygiene measures are being followed. Please do not attend this event if you feel unwell, are displaying any symptoms of the coronavirus or believe you may have been in contact with someone with the virus. The event is being organised in compliance with NZ COVID-19 Level 2 Alert conditions, with spacing and sanitising appropriate to this level. If the Level increases above 2 then the event will be cancelled. If you have any questions, please contact the event organiser at murray.milner@xtra.co.nz.

Abstract

New Zealand's transition to a sustainable energy future requires a significant reliance on renewable electricity to decarbonise the energy sector. Transpower's [Whakamana i Te Mauri Hiko](#) sets out the opportunities and challenges in enabling this transition, including its impact on our electricity infrastructure, to provide cost effective, resilient and reliable outcomes. Transpower is working across the energy sector to enable and deliver the transition, including the connection of renewable generation and electrification of process heat and transport needs. A key part of this is the development of the New Zealand transmission grid backbone under Transpower's Net [Zero Grid Pathways Programme](#) to ensure we can meet our climate change goals.



In his interactive session John will highlight the opportunities in enabling the transition to a sustainable energy future and the challenges being addressed by Transpower.

Introducing Our Speaker

John Clarke FEngNZ, MIEEE, is the General Manager Grid Development at Transpower, the owner and operator of New Zealand national electricity grid. He has recently held the role of GM Operations and has previously held the role of GM Grid Development when Transpower invested in significant grid upgrades from 2008-2013. In his 20 plus years at Transpower John has overseen the evolution of Transpower's system planning, asset management, innovation activities as well as the operation of the New Zealand electricity market and power system. His earlier career in the New Zealand electricity sector has included roles in electricity distribution and electrical engineering consulting.