

Tuesday 9 November 2021

5.30-7.00pm Welcome reception - Sponsored by Horizon Power - Exhibition hall, Brisbane Convention Exhibition Centre

Wednesday 10 November 2021

7.30am Exhibition hall opens

8.30am **Conference Opening: Andrew Dillon, CEO Energy Networks Australia**

8.40am Welcome to country

8.50am Official conference opening: QLD Premier TBC

9.00am International keynote address: Dermot Nolan, Fingleton and former CEO OFGEM on 'Regulating networks for a low emission future'.

9.30am Keynote address: Distinguished Professor Genevieve Bell AO, Director, School of Cybernetics on 'What history can teach us about the future of energy'.

Plenary One - Data to enable the energy transformation - Sponsored by CutlerMerz

10.00am	Moderator: Brian Spak, CSIRO Daniel Westerman, CEO AEMO	Bernard Norton, MD, Hitachi ABB Power Grids Anna Collyer, Chair, AEMC	John Cleland, CEO, Essential Energy
---------	---	--	-------------------------------------

11.10am Morning tea in exhibition hall

11.45am Concurrent Session One - sponsored by Frontier Economics

Stream A1 - Digital destiny - data transforming asset management	Stream B1 - Connecting the low emissions future	Stream C1 - Implementing post 2025 - NEM 2.0?	Stream D1 - Gas evolution: the customer journey
<p>Moderator: Victoria Hogg, Essential Energy TBC</p> <p>Automating strategic planning to respond to an uncertain future Dr Andrew Thomas, Energy Queensland</p> <p>Digital asset inspection Peter McKay, Powercor, CitiPower and United Energy</p> <p>Grid transformation engine - translating concepts into reality Ben Bristow, Western Power</p> <p>Decision making under uncertainty for low-carbon energy system planning Prof Pierluigi Mancarella, University of Melbourne</p>	<p>Moderator: Peter Price, Energy Queensland</p> <p>Renewable energy zones - from talk to action - making them happen Jess Hunt, Radbone</p> <p>Transmission developments supporting energy transformation in South Australia and the NEM Rainer Korte, ElectraNet</p> <p>Investigation into the merits of a co-ordinated and centralised approach to system strength provision Jonathan Dennis, Powerlink</p> <p>Marinus Link- unlocking the battery of the nation Bess Clark - TasNetworks</p>	<p>Moderator: Alida Jansen van Vuuren, Ausgrid</p> <p>Changing the rules - what comes next David Feeney, AEMC</p> <p>Post 2025 - Implementing the priorities for customers Gavin Dufty, St Vincent de Paul</p> <p>DEIP - a framework for realising the decentralised transition Craig Chambers, ARENA</p>	<p>Moderator: Chris Gilbert, Energy Networks Australia</p> <p>Best practice customer engagement Usman Saadat, Jemena</p> <p>Providing more assistance to customers in vulnerable circumstances Kristen Pellow, Australian Gas Infrastructure Group</p> <p>Communication channel optimisation - Keeping connections networked' Dr David Paterno, Future Fuels CRC</p> <p>Natural Gas - Voice of the customer Duncan Rusby, Sagacity Research</p>

12.55pm Lunch in exhibition hall

2.00pm Moving to an increasingly renewable system: Phil Hirschhorn, MD & Senior Partner, BCG

Plenary Two - Greening gas - challenges and opportunities - Sponsored by GHD

2.20pm **Moderator:** Mark Ludlow, Financial Review TBC
 Anna Skarbek, CEO, Climate Works TBC
 Paul McCartney, Chief Clean Futures Officer, Clean Energy Finance Corporation

Prof. Peta Ashworth, University of Queensland
 Ben Wilson, CEO AGIG

3.30pm Afternoon tea in exhibition hall

4.05pm Concurrent Session Two - sponsored by PwC

Stream A2 - Big data - delivering for customers

Moderator: Caroline Taylor, TransGrid TBC

What data has taught us during COVID about energy consumption
 Nick Cimmins, AusNet Services

Utility Big Data: Australia's first utility scale trial of synchrophasor data acquisition on the medium voltage grid
 Martin van der Linde, NOJA Power

Data is the new black
 Brendon Crown, Power and Water Corporation

Network performance analytics and scenario modelling: RTE case study
 Dr Zeljko Schreiner, IPS-Intelligent process solutions GmbH TBC

Stream B2 - Evolving regulation to encourage investment

Moderator: Nick Wills-Johnson, AGIG

Competitive threats and major transmission investment
 Euan Morton, Principal, Synergies Economic Consulting

Cost/risk sharing for investment for the strategic investments needed for the energy transition
 Craig Memery, Public Interest Advocacy Centre

The inter-relationship between DER and the regulatory regime
 Ann Whitfield, HoustonKemp Economists

Incentive Regulation: an incomplete journey
 Garth Crawford, Energy Networks Australia

Stream C2 - A smarter, safer, stronger grid

Moderator: Kirstan Wilding, TasNetworks

Strengthening Australia's grid and leadership in the global energy transition
 Kate Cavanagh, CSIRO

Transmission line resilience issues under extreme weather events
 Asif Bhangor, Jacobs

Unmanned aircraft (drone) power line stringing program
 Craig Stallan, TransGrid

Preparing tomorrow's grid: harmonising people alongside artificial intelligence
 Dr Peter Sokolowski, RMIT

Stream D2 - The battery balanced grid

Moderator: Jill Caine, Energy Networks Australia

Lessons learnt on battery energy storage from Dalrymple
 Hugo Klingenberg, ElectraNet

Redrawing the network map: energy storage as virtual transmission
 Lara Panjkov, Fluence

Energy storage to enable a 100% renewable and reliable NEM
 Kevin Nitschke, Lockheed Martin Energy

WA community battery projects - how storage helps support a high DER grid
 Kathryn Granheim, Western Power

5.15pm Poster Session (sponsored by Accenture) and happy hour drinks in Exhibition Hall

6.30-10.30pm Conference Gala Dinner - sponsored by Schneider Electric

Thursday 11 November 2021

7.30am Exhibition hall opens

8.30am Conference opens: MC Tamatha Smith, GM Corporate Affairs, Energy Networks Australia

8.32am Keynote address: Minister for Energy and Emissions Reduction, Hon. Angus Taylor MP, on 'The Commonwealth Government's perspective on the challenges and opportunities presented by the transformation of our energy system'

8.55am Keynote address: Dr Alan Finkel AO, Chair, Low Emissions Technology Investment Advisory Council on 'Accelerating the move to a hydrogen economy'

Plenary Three - The energy future: who pays? - Sponsored by Siemens

9.25am **Moderator:** Perry Williams, The Australian TBC
Paul Italiano, CEO TransGrid
Kane Thornton, CEO, Clean Energy Council

Clare Savage, Chair AER
Andrew Richards, CEO, Energy Users Association of Australia

10.35am Morning tea in exhibition hall

11.10am Concurrent Session Three - sponsored by Enzen

Stream A3 - VPPs becoming reality

Moderator: Jo Pafumi, CitiPower Powercor United Energy

Laying the foundations for a high DER future in South Australia

Brendon Hampton, SA Power Networks

Horizon Power's DER Management Platform

Lee Ucich, Horizon Power

Accelerating DER Integration through Interoperability

Lachlan Blackhall, ANU

How can Distribution Network Operators maximise the opportunity of flexible energy resources and markets?

Ian McLeod, Enzen

Stream B3 - Regulation: from building blocks to service based?

Moderator: Renate Vogt, Powercor

Reflections on how the customer forum has changed AusNet Services

Tom Hallam, AusNet Services TBC

Network regulation in a high DER world

Ed Chan, AEMC

Network pricing, future roles and functions of networks

Mark Feather, AER

Giving customers what they want through the regulatory process

Shaun Reardon, Jemena

Stream C3 - Social licence - the real power of connection

Moderator: Michael Dart, Energy Queensland

Community engagement - ask early, ask often

Nicole Maguire, Powerlink Queensland

Acting on lessons learned from major infrastructure upgrades

Dr Carol Bond, RMIT University, School of Management

Factors influencing household support for and resistance to regulation of solar feed in and central coordination of DER

Kevin Chadwick, ANU / Federal Department of the Environment and Energy
Working with stakeholders to deliver improvements to the community and reduce vegetation clearance requirements
Alexandra Lewis, SA Power Networks

Stream D3 - It's gas, but not as you know it

Moderator: Amy Philbrook, ARENA

Hydrogen in transport

Fiona Simon, Australian Hydrogen Council

Renewable hydrogen- progress and what's next

Kapz Malhotra, ATCO

Hydrogen is Plan A - HyP SA, the first step to hydrogen networks

Craig de Laine, Australian Gas Infrastructure Group

Central Queensland green hydrogen project

Richard Jeffery, Stanwell Corporation

12.20pm Lunch in exhibition hall

Plenary Four - Network report card: the customer journey - Sponsored by Schneider Electric

1.25pm **Moderator:** Amy Bainbridge, ABC
Richard Gross, CEO, Ausgrid
Andrew Dyer, Australian Energy Infrastructure Commissioner

Lauren Solomon, CEO, Consumer Policy Research Centre
Gareth O'Reilly, Zone President and MD Pacific, Schneider Electric

2.35pm Afternoon tea in exhibition hall

3.10pm Concurrent Session Four - sponsored by farrierswier

Stream A4 - Electric vehicles and distributed energy resources - a smooth road ahead?

Moderator: Dr Monaaf Al-Falahi, Energy Networks Australia

The impact of electric vehicles on UK networks, including Welsh Western Power 'Electric Nation' initiative
Mark Sprawson, EA Technology, UK

For long haul: EVs in QLD
Carly Irving, Yurika

Large scale network and system integration of EVs
Nando Ochoa Pizzali, Uni of Melbourne
TBC

Developing and rolling out end to end EV charging solutions in Australia
Tim Washington, Chair Electric Vehicle Council

Stream B4 - Pricing reform - are we there yet?

Moderator: Chantal Hopwood, TasNetworks

International perspective
Jonathan Mirrlees-Black, CEPA
Cost reflective pricing reform
Emily Brown, ActewAGL

How network businesses should price the services that are provided by distributed energy resources (DER)?
Rohan Harris, Oakley Greenwood

Pricing reform - where we've been and where we need to go.
Dale Johansen, AER

Stream C4 - Gas supporting the clean energy transition

Moderator: Dr Dennis Van Puyvelde, Energy Networks Australia

Decarbonising gas networks through collaborative research
David Norman, FFCRC

Social Acceptance - Engaging on Australia's first hydrogen blending projects
Kristin Raman, Australian Gas Infrastructure Group

An integrated Electricity-Gas-Hydrogen system model for decarbonisation scenario analysis and planning
Dr Sleiman Mhanna, University of Melbourne

An assessment of hydrogen / natural gas fuel blends in gas appliances and industrial processes
Professor Peter Ashman, University of Adelaide
TBC

Stream D4 - SAPS and microgrids - a macro issue

Moderator: Norike Ganhao, Powerlink

Network resilience to major events
Scott Ryan, Endeavour Energy

Carnarvon microgrid trial
David Edwards, Horizon Power

The presentation is called "Will regional network resilience become a bi-product of investor/ community owned microgrids?"
Juergen Zimmermann, Hitachi ABB Power Grids

Mallacoota grid energy storage system project
Tom Langstaff, AusNet Services

4.20-5.20pm Farewell drinks and conference wrap in Mezzanine Concourse - Andrew Dillon, CEO Energy Networks Australia



PRINCIPAL SPONSOR



MAJOR SPONSOR



MAJOR & EXHIBITION SPONSOR



MAJOR & INNOVATION SPONSOR

www.EN2021.com.au

 #EN2021_AU