

Energy Networks ADELAIDE 19-21 MARCH 2024



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DAY 1 & 2 Tuesday - Wednesday

Tuesday 19 March 2024

3:30pm-7:30pm **Registration Desk Open** – Sponsored by Enzen

5:30pm-7:30pm **Welcome Reception, Exhibition Hall, Adelaide Convention Centre** – Sponsored by ElectraNet

Wednesday 20 March 2024

7:00am-5:00pm **Registration Desk Open** – Sponsored by Enzen

7:30am **Exhibition Hall Opens**

8:45am-5:15pm **Conference Opens: Welcome and Insights**

8:45am **Welcome to Country:** Uncle Mickey Kumatpi Marrutya O'Brien, Kurna Representative

8:55am **MC Welcome Address:** James O'Loghlin, Broadcaster, Author, Innovation Expert, Conference MC

9:00am **Conference Opening:** Dominique van den Berg, Chief Executive Officer, Energy Networks Australia

9:10am **Premier Address:** Peter Malinauskas MP, Premier of South Australia, South Australian Government

9:20am **Plenary One: Australia's Energy Transformation** – Sponsored by CutlerMerz

Moderator: Simon Emms, Chief Executive Officer, ElectraNet

Peter Malinauskas MP, Premier of South Australia, South Australian Government

Stephanie Unwin, Chief Executive Officer, Horizon Power

Kane Thornton, Chief Executive Officer, Clean Energy Council

Paul McCartney, Chief Investment Officer - Rewiring the Nation, Clean Energy Finance Corporation

10:20am **International Keynote: ReDesigning the Energy System**, Laura Sandys CBE, Chair, UK Energy Data and Digitalisation Taskforces

11:00am **Coffee Break: Network & Explore in the Exhibition Hall**

Published on Friday, 15 March 2023
Program details may change.

www.EN2024.com.au

11:45am Concurrent Session One – Sponsored by SEC Newgate Australia

Stream 1A: SA Showcase:
A postcard from your future

Moderator: Andrew Bills, Chief Executive Officer, SA Power Networks

The energy transformation in South Australia

Brad Harrison, ElectraNet
Brendon Hampton, SA Power Networks

Operating a 100% renewable grid

Hugo Klingenberg, ElectraNet

Strategies to enable the consumer energy future

James Brown, SA Power Networks

Charting SA's renewable energy journey

Collaborative panel

Stream 1B: Role of Community Engagement in Shaping Energy Networks

Moderator: Sabiene Heindl, Chief Executive Officer, The Energy Charter

(Em)powering communities on their journey to energy resilience - Insights for the industry from a community-focused research project

Marie Harrowell, Energy Consumers Australia

The role of energy utilities in supporting First Nations self-determination - A case study of microgrids in First Nations communities

Anna Cain, The Australian National University

Investing in communities to form sustainable partnerships

Rachael Tamme, Australian Gas Infrastructure Group

Navigating electricity networks: Balancing social licence with customer involvement in energy transition

Ruth Durrant, Energy Queensland

Stream 1C: Planning a Renewable Gas Future

Moderator: Barry Sterland, National Lead & Global co-Lead, Climate Policy Advisory, Consulting, KPMG Australia

The perils of upgrading gas networks: lessons from Massachusetts

Jan Hayes, RMIT University

Biomethane Injection into Gas Networks – Supply Potential and Practice

Hugo Khelifa, Blunomy

Integrating Perspectives on Victorian Gas Policy into Risk Management

Stefan Mero, Australian Gas Infrastructure Group

Optimal integrated planning of electricity and hydrogen infrastructure for large-scale renewable energy transport and storage

Dr Sleiman Mhanna, University of Melbourne

Stream 1D: AI, Data and Cyber in Action: Transforming Energy Security

Moderator: Stephen Craig, Smart Energy Mission Lead, CSIRO

Make SOCI your superpower

Gregory Miller, KPMG Australia

Enhancing the role of electricity networks in Australia's energy transition through digital modeling and artificial intelligence

Jack Curtis, Neara

Virtual TAS and Disaster SMART Tasmanian Communities - Enabling transformation, increased resilience and improved community and customer services

Ian McLeod, Enzen Australia

Extracting additional value from a digital model: Bushfire risk mitigation & asset inspection (LiDAR survey of the power distribution network)

Craig Savage, CitiPower, Powercor and United Energy

1:00pm Lunch Break at EN2024: Connect & Refuel in the Exhibition Hall

2:00pm Keynote: The energy transformation - A paradigm shift underpinned by energy justice, Ruby Heard, Director, Alinga Energy Consulting and Steering Committee, First Nations Clean Energy Network

2:30pm Plenary Two: Can Australia Achieve a Just Transition? - Sponsored by AusNet

Moderator: Gavin Dufty, Executive Manager Policy & Research, St Vincent de Paul Society

Lynne Gallagher, Board Member, Australian Energy Regulator

Brendan French, Chief Executive Officer, Energy Consumers Australia

Andrew Dyer, Australian Energy Infrastructure Commissioner, Australian Government

Ruby Heard, Director, Alinga Energy Consulting, First Nations Clean Energy Network

3:30pm Coffee Break: Network & Explore in the Exhibition Hall

4:00pm Concurrent Session Two – Sponsored by Enzen			
Stream 2A: Revolutionising Asset Management: Strategies and Innovations	Stream 2B: Powering the Future: Navigating Regulation in the Energy Transition	Stream 2C: Transmission: Delivering the Critical Backbone	Stream 2D: Network innovation in moving to 100% renewables
Moderator: Elisia Reed, Network Investment Planning Manager, SA Power Networks	Moderator: Danielle Beinart, Executive General Manager, Australian Energy Market Commission	Moderator: Simon Appleby, Head of Corporate Affairs, ElectraNet	Moderator: Toby Kent, Partner, Energy Transition, ESG Lead, PwC Australia
Using early fault detection technology for safer, more reliable networks, reducing unplanned outages, and ensuring reliable power supply to customers Glen Adcock, Energy Queensland	Regulation enabling the transition Dr Kris Funston, Australian Energy Regulator	Everything Everywhere All at Once: Is this really what we want the ISP to be? Ann Whitfield, HoustonKemp Economists	Key lessons learned from Project EDGE: DER and market interaction studies Dr. Sleiman Mhanna, University of Melbourne
The role of forecasting in predicting, planning and operating future grids Ken Holder, KPMG	Society and customers will choose how we transition. How can regulation and networks empower this? Robert McMillan, Farrierswier	Developing Queensland renewable energy zones and the REZ delivery body function Daniel Andersen, Powerlink Queensland	Challenges of evolving the electricity network at the speed and the innovation and technologies required to deliver 100% instantaneous renewable generation Jennifer Hughes, Transgrid
LV planning engine - intelligent planning for the energy transition Liam Mallamo, SA Power Networks	Meaningful and objective engagement - does network practice or regulation need to change Bruno Coelho, SA Power Networks	Rewiring the nation - six months in Gloria Chan, Clean Energy Finance Corporation	Enabling more large renewables to connect to the distribution network Rod Jones, AusNet Services
Electrification – an integrated transmission and distribution approach Ben Bristow, Western Power	Regulatory design for the energy transition Lucy Moon, Energy Networks Australia	The South Australian energy transition: a transmission perspective Rainer Korte, ElectraNet	Accelerating and integrating flexible services: A network-scale approach from Victorian distributors Chris Roberts, CitiPower, Powercor and United Energy
5:15-6:30pm Future Leaders and Student Poster Competition, complimented by pre-gala drinks and canapés – sponsored by SA Power Networks			
6:30-10:30pm ENA Gala Dinner – Sponsored by Schneider Electric			

Thursday 21 March 2024

7:30am-3:00pm Exhibition Hall Opens

8:00am-3:00pm Registration Desk Open – Sponsored by Enzen

8:30am-4.30pm Conference Opens: Welcome and Insights

8:30am **MC Welcome Address:** James O’Loughlin, Broadcaster, Author, Innovation Expert, Conference MC

8:40am **Opening Keynote: From the ends of the Earth: environmental lessons from the polar world,** Tim Jarvis AM, Environmental Scientist, Adventurer, Author, and Filmmaker, Tim Jarvis Consulting

9:15am **Plenary Three: Technology & the Future of Energy** - Sponsored by PwC Australia

Moderator: James O’Loughlin, Broadcaster, Author, Innovation Expert, Conference MC

Laura Sandys CBE, Chair, UK Energy Data and Digitalisation Taskforces

Dr Gerhard Salge, Chief Technology Officer, Hitachi Energy

Alida Jansen van Vuuren, Head of DSO, Ausgrid

Dr James Hunt, Vice President Power Systems & Services – Pacific Zone, Schneider Electric

10:15am **Coffee Break: Network & Explore in the Exhibition Hall**

11:00am **Concurrent Session Three** – Sponsored by Schneider Electric

Stream 3A: Earning and Maintaining Community Trust Through the Transition

Moderator: Sue Vercoe, Managing Partner, SEC Newgate Australia

Co-designing the future of the energy system with communities

Sabiene Heindl, The Energy Charter

Five land access lessons for transmission lines

Scott Pearce, CNC Project Management

Building community trust and social license in local renewable gas projects

Jane Wilson, Australian Gas Infrastructure Group

Challenges of delivering social licence and leaving a long-lasting legacy during a time of great change

Marie Jordan, Transgrid

Stream 3B: Energy Reliability: Supporting Rural Customers

Moderator: Luke Jenner, Chief Operating Officer, Essential Energy

Customer integrated planning approaches: the Bawley Point and Kioloa community microgrid

Dr James Hazelton, Endeavour Energy

Dalrymple Grid Forming Battery - 5 years of operation and lessons learnt from the world’s largest autonomous microgrid, and first registered grid forming battery on the NEM.

Stephen Sproul, Hitachi Energy

Standalone power systems (SAPS) delivering customer value in regional Victoria

Ana Erceg, AusNet Services

Stream 3C: Maximising Customer Energy Resources

Moderator: Glenn Springall, GM Renewables & Distributed Energy, Energy Queensland

Techno-economic impact of fair allocation of capacity in distribution networks

Dr Sleiman Mhanna, University of Melbourne

Unlocking the power of flexibility: examining the UK’s digital marketplaces for efficient grid management in the energy transition

James Johnston, Piclo

Dynamic network pricing for virtual power plants

Alida Jansen van Vuuren, Ausgrid

Understanding CER/DER in the field: are they behaving as expected and what data do we need to check?

Daena Ho, Australian Energy Market Operator

12:15pm **Lunch Break at EN2024: Connect & Refuel in the Exhibition Hall**

1:00pm **Keynote: Transitioning to Net-Zero: All Systems Go**, Philip Hirschhorn, Managing Director & Senior Partner Sydney, Boston Consulting Group

1:30pm **Plenary Four: Where Are We Now? A Whole of System Perspective** - Sponsored by CEFC

Moderator: Dominique van den Berg, Chief Executive Officer, Energy Networks Australia

Sarah McNamara, Chief Executive, Australian Energy Council

Andrew Richards, Chief Executive Officer, Energy Users Association of Australia

Oxana Dankova, Global Leader Energy Networks, Partner and Director, Boston Consulting Group

Andrew Bills, Chief Executive Officer, SA Power Networks

2:30pm **Coffee Break: Network & Explore in the Exhibition Hall**

3:00pm **Concurrent Session Four** – Sponsored by L.E.K. Consulting

Stream 4A: Operating the Grid with 100% Renewables

Moderator: Jacqui Bridge, Executive General Manager – Energy Futures, Powerlink Queensland

DER Hosting Capacity Demonstration Project - Outcomes and Implications

Mark Hibbert, Elexsys Energy plc

Improving customer outcomes by avoiding utility-scale generation capacity investment through enhanced utilisation of CER assets

Sam Pfeiffer, HoustonKemp Economists

Engineering Roadmap to 100% Renewables

Chris Davies, Australian Energy Market Operator

Developing a DERMS strategy and capability for Distribution Networks

Jeff Forrest, L.E.K. Consulting

Stream 4B: Opportunities for Gas Networks

Moderator: Suzie Jakobovits, GM Renewable Gas, Jemena Networks

Extracting value from gas distribution systems in a carbon neutral future

Kiran Ranbir, ATCO

Addressing the challenges of renewable gas uptake through fundamental experiments and high-performance computing

Mohsen Talei, The University of Melbourne

Workforce Requirements to Displace Natural Gas Exports with Hydrogen and Ammonia

Steve Clark, KPMG

A new business opportunity for gas networks in a changing energy landscape

Nick Wills Johnson, Australian Gas Infrastructure Group

Stream 4C: Beyond Transport: EVs Paving the Way for the Future

Moderator: Michelle Howie, Future Networks Engineer, SA Power Networks

Pole-position - How Ausgrid is helping Aussies in the race for more accessible public EV charge infrastructure

Nick Black, Ausgrid

Heavy electric vehicle charging infrastructure: We know we need it, but where?

Marceline Overduin, Frazer-Nash Consultancy

Price incentives to drive efficient smart and bidirectional EV charging

Jon Sibley, enX Consulting

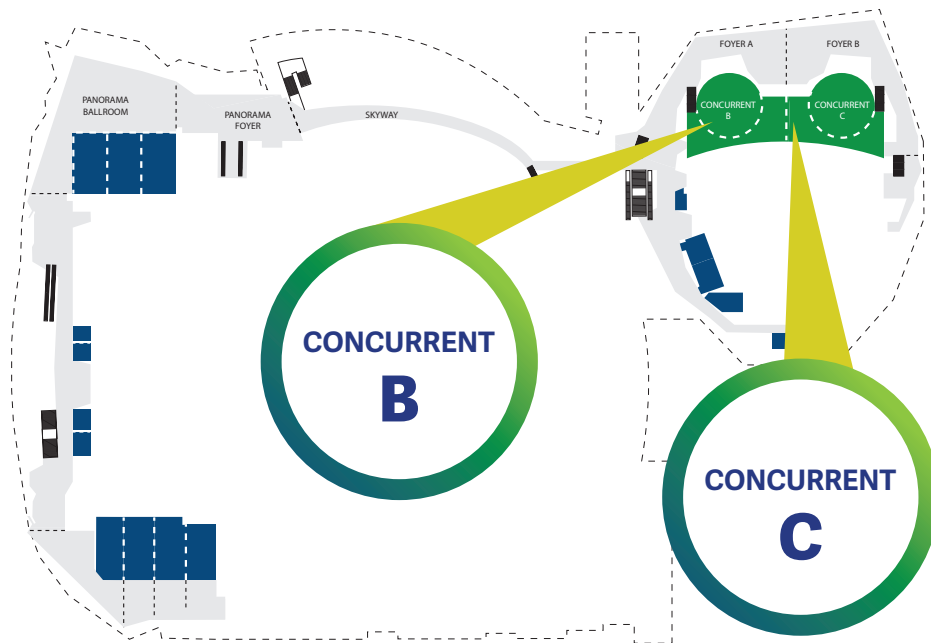
The evolving role of EVs: pioneering a multifaceted future

Nathan Brown, Electric Future

4:30pm-6:30pm **Farewell Reception and Launch** – Sponsored by S&C Electric Company

Adelaide Convention Centre

UPPER LEVEL



GROUND LEVEL

