

# Energy Networks 2018 Program

## WEDNESDAY 6 JUNE 2018

0830 - 0835 **Welcome to Country** Uncle Allen Madden

0835 - 0900 **Welcome**  
Andrew Dillon, Chief Executive Officer, Energy Networks Australia

0900 - 0915 **Ministerial Address**  
The Hon Don Harwin MLC, Minister for Resources, Minister for Energy and Utilities, Minister for the Arts, Vice-President of the Executive Council, NSW Government

0915 - 1015 **Plenary Session One: 'I know what you did last summer'**

**Plenary Leader:** Cole Latimer, Energy Reporter, Sydney Morning Herald and Age

Nino Ficca, Managing Director, AusNet Services  
Phil Blythe, Chief Executive Officer, Greensync  
Clare Savage, Deputy Chair, Energy Security Board  
Leonardo Benitez Diez, Director, Head of Utilities, Indra

1015 - 1045 **Vision Critical Address**  
David Bartlett, Former Premier of Tasmania

1045 - 1115 BREAK

### Concurrent Session One

1115 - 1245	<b>1A: Regulation, reform and grid transformation</b>	<b>1B: Platform for the future: distribution system operator practice and strategy</b>	<b>1C: Strengthening the spine: a secure power system</b>	<b>1D: Gas futures and innovation</b>	<b>Network Operations Forum:</b> Internet of energy: data, security & network operations  Frank Tudor, MD/CEO, Horizon Power  <b>Session One: Unlocking the Value of IoT</b>  <b>Session leader:</b> Shelley Zerni, Endeavour Energy  <b>The biggest challenge about IT and OT convergence is not about technology.</b> Tania Yudianto, Director, Litmus Group  <b>IoT communications – improving consumer experience.</b> Caleb Gordon, Senior Product Manager, Communications, Landis+Gyr  <b>IoT and analytics enable transformation in global utilities.</b> Glen Garner, Senior Managing Consultant, IBM Global Centre of Competency
	<b>Session leader:</b> Jenny Doyle, General Manager Regulation and Pricing, Energy Queensland	<b>Session leader:</b> Peter Price, Executive General Manager Asset Safety and Performance, Energy Queensland	<b>Session leader:</b> Tony Meehan, Executive Manager, Regulation, TransGrid	<b>Session leader:</b> Gabrielle Sycamore, General Manager - Gas Markets, Jemena	
	<b>Network reform – an investor's perspective.</b> Michael Cummings, Partner, Global Infrastructure Equity AMP Capital	<b>Defining a strategy for the DSO transition – a UK perspective.</b> Mark Sprawson, Head of Network Innovation, EA Technology	<b>Enhancing visibility of modern energy networks.</b> Dr Sudarshan Dahal, Power System Network Modelling Specialist, Powerlink Queensland	<b>Lessons learnt from the development of the French biomethane sector</b> Eliéta Carlu, Manager ENEA Australia	
	<b>Challenging Australia's 'one size fits all' energy network regulatory paradigm.</b> Euan Morton, Principal, Synergies Economic Consulting	<b>Distributed energy resource orchestration in the real world: outcomes of the Mooroolbark mini grid innovation project.</b> Justin Harding, Distributed Energy & Innovation Manager, AusNet Services	<b>Grid inertia and frequency stability - challenges and solutions.</b> Angelo Iacono, Energy Management, Siemens	<b>Can gas take on batteries – in the consumer's mind and on the grid.</b> Frank Ochel, Senior Manager - Utilities Strategy Practice - ANZ, Accenture	
	<b>Re-crafting the NER for the new energy world - an investor's perspective.</b> Rick Francis, Managing Director and Chief Executive Officer, Spark Infrastructure	<b>Securing the grid with DER.</b> Violette Mouchaileh, Group Manager – Market Enhancement, Australian Energy Market Operator	<b>Managing Australia's energy transition.</b> Cameron Parrotte, Executive General Manager, Strategy & Innovation, Australian Energy Market Operator	<b>Decarbonising Australia's gas networks: opportunities for collaboration on a key national issue.</b> David Norman, Chief Executive Officer, Future Fuels CRC	
	<b>An overview and reflections on Ofgem's RIIO model.</b> Caroline Taylor, Group Manager of Regulatory Policy, Transgrid	<b>Acquiring distributed energy customers to solve network constraints.</b> Dean Spaccavento, Chief Executive Officer, Reposit Power	<b>Innovations for improved transmission system reliability and asset utilisation.</b> Mark Lancaster, Director Intelligent Grid & Energy Solutions, Southwire Company	<b>How smart gas can offer better service for end customers, and strengthen offerings and improve efficiencies for distributors.</b> Malcolm Munro, Sales Director - Gas, Itron	

1245 - 1345 BREAK

1345 - 1500	<b>Plenary Session Two: The Energy Experience</b>
1345 - 1400	<b>The Customer Experience: Engaging the digitally connected customer</b> Neil Horrocks, Chief Executive Officer, CitySmart
1400 - 1500	<b>The Energy Experience Plenary Panel</b> <b>Plenary Leader:</b> Angela Macdonald-Smith, Energy Reporter, Australian Financial Review Rosemary Sinclair, Chief Executive Officer, Energy Consumers Australia Peter Peacock, Chair, Customer Forum for Water in Scotland Guy Chalkley, Chief Executive Officer, Western Power Neil Horrocks, Chief Executive Officer, CitySmart

<b>Session Two: Protected assets: energy and cyber security</b> <b>Session leader:</b> Joo Ean Prasad, System Operations Sydney Manager, Ausgrid
<b>The rise of cybersecurity in utilities.</b> Guy Chandler, Partner, Litmus Group
<b>From cyber-security to cyber-resilience: survive and thrive while building a more digital grid.</b> Richard Bamber, Principal - Technology Advantage Office, Boston Consulting Group
<b>Securing operational technologies: lessons learned from the field to combat a growing cyber threat.</b> Robert Di Pietro, Cyber Security, PwC

1500 - 1530	BREAK			
<b>Concurrent Session Two</b>				
1530 - 1700	<b>2A: Network optimisation: technology and solutions</b> <b>Session leader:</b> Andrew Davis, General Manager - Electricity Markets, Jemena	<b>2B: Stored knowledge: storage case studies</b> <b>Session leader:</b> Brian Spak, Leader - Grids and Renewable Integration, CSIRO	<b>2C: Pricing the future</b> <b>Session leader:</b> Kirstan Wilding, Leader Regulation, TasNetworks	<b>2D: Customer connection: strategies for consumer engagement</b> <b>Session leader:</b> Ty Christopher, General Manager Asset Management, Endeavour Energy
	<b>Management of distributed generation using DGHost in New Zealand.</b> Dr Sharee McNab, Senior Research Engineer, EPECentre, University of Canterbury	<b>Hydrogen for energy storage- lessons from Mainz Energie Park project.</b> Murray Lyster, Head of Hydrogen Solutions, Siemens	<b>Demand tariffs: the good, the bad and the ugly.</b> John Sorbello, Manager Pricing and Tariff Strategy, Energy Queensland	<b>ElectraNet's early engagement program.</b> Simon Appleby, Senior Manager Regulation and Land Management, ElectraNet
	<b>Utilising powerflow control to improve capacity utilisation and enable renewable integration.</b> Andrew Kingsmill, Manager- Network Planning, Transgrid	<b>ESCRI battery energy storage project - lessons learnt.</b> Hugo Klingenberg, Senior Manager Network Development, ElectraNet	<b>Evolving network pricing to realise economic and grid benefits through peer-to-peer trading markets.</b> Ryan Wavish, Chief Executive Officer & Principal Consultant, Marchmont Hill Consulting	<b>Consumer engagement 2.0.</b> Mark Henley, Manager Advocacy and Communication, Uniting Communities
	<b>Network performance and energy profiles in a thin microgrid with high penetration renewables, storage and flexible loads.</b> Dr Julio Braslavsky, Research Team Leader, CSIRO	<b>Salisbury battery trial - initial insights.</b> Mark Vincent, Manager Network Strategy, SA Power Networks	<b>Barriers to an energy services market.</b> Dr Neil Lessem, Senior Associate, The Brattle Group	<b>Energy affordability and hardship: It's time for a new approach.</b> Janine Young, Energy & Water Ombudsman NSW
	<b>Learnings from solar PV hosting capacity trials on LV networks.</b> Daniel Eghbal, Energex Future Network Strategy Engineer, Energy Queensland	<b>Endeavour Energy's battery storage trials.</b> Stuart Watts, Communication and Control Manager, Endeavour Energy	<b>Network tariff innovation: demand-based tariffs are not the answer - for customers, or for networks.</b> Balazs Kotnyek, Principal, Boston Consulting Group	<b>Improving stakeholder engagement.</b> Melissa O'Neill, General Manager Corporate Affairs, CitiPower, Powercor and United Energyb

<b>Session Three: Asset information: energy data analytics</b> <b>Session leader:</b> Leeanne Chau, Program Director, Ausgrid
<b>Why utilities should think beyond asset data management and focus on asset information management.</b> Mark Ewen, Vice President Strategy - Utilities & Geospatial, Cyient
<b>Using data analytics to improve electricity transmission and distribution grid resilience.</b> Ravi Kiran, Industry Solutions Executive - Utilities, ABB Australia
<b>Creating and automating a digital 3D virtual world for a smarter utility &amp; improved customer outcomes.</b> Ian McLeod, Director Smart Energy, Enzen Australia
<b>The three technology layers in the smart utility of the future - a case study.</b> Marcelo Ribeiro De Carvalho, Product Manager - Network Automation and Protection Systems, Schneider Electric

1830 - 2300	Conference Gala dinner
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# DAY 2 Thursday 7 June 2018

## THURSDAY 7 June 2018

0730 - 0830	Meet the Industry Breakfast
0830 - 0835	<b>Welcome</b> - Merryn York, Chief Executive, Powerlink Queensland
0835 - 0850	<b>Ministerial Address</b> The Hon Josh Frydenberg MP, Minister for the Environment and Energy, Australian Government

0850 - 0920 **Keynote Address**  
Sanjeev Gupta, Executive Chairman and CEO, GFG Alliance

0920 - 1020 **Plenary Session Three: Energy Networks 2018 Leaders' Panel**

**Plenary Leader:** Andrew White, Associate Editor, The Australian

Paula Conboy, Chair, Australian Energy Regulator  
Ed McManus, Chief Executive Officer, Meridian Energy & Powershop Australia  
Paul Italiano, Chief Executive Officer, Transgrid  
Richard Gross, Chief Executive Officer, Ausgrid  
Ben Wilson, Chief Executive Officer, Australian Gas Infrastructure Group

1020 - 1035 **Vision and Leadership**

Philip Hirschhorn, Partner & Managing Director, Boston Consulting Group

1035 - 1100 BREAK

### Concurrent Session Three

1100 - 1230	<b>3A:</b> High performance: realising value through asset management	<b>3B:</b> Energy orchestration: an integrated future	<b>3C:</b> Smart calls: network investment and decision making	<b>3D:</b> Engaging in a transformed energy system	<b>Network Operations Forum: Vegetation Management</b> <b>Session One:</b> Strategic approach to vegetation management <b>Session Leader:</b> Sally Bell, Transmission Asset Engineer, Endeavour Energy <b>Taking back the streets: Why we pursued ACT Government surrender of management of street trees near power lines.</b> Christopher Dare, Manager Environment, Quality and Systems, Evoenergy <b>Working with key stakeholders to deliver improved vegetation clearance outcomes.</b> Alexandra Lewis, Vegetation Strategy Lead, SA PowerNetworks <b>Origins and differences between jurisdictional vegetation clearances.</b> Craig Hinton, Arboriculture, Environment & Data Management Consultant, ENSPEC Environment and Risk <b>Energy Networks Australia vegetation risk management guideline &amp; framework.</b> Heath Frewin, Head of Distribution, Energy Networks Australia
	<b>Session leader:</b> Shanika Vithanage, Major Customer Engineer, Endeavour Energy	<b>Session leader:</b> Michael Dart, General Manager Customer, Brand & External Relations, Energy Queensland	<b>Session leader:</b> Alida Jansen van Vuuren, Strategic Initiatives Manager, SA Power Networks	<b>Session leader:</b> Sue Chapman, Program Manager - Health and Safety Reset, Ausgrid	
	<b>The new paradigm in reliability excellence: asset strategy management.</b> Jason Apps, Chief Executive Officer, ARMS Reliability	<b>Integrated networks: aggregated distributed energy resources.</b> Gerard Reiter, Executive Manager Network Planning & Operations, TransGrid	<b>Listen, interpret, act: our strategy for incorporating customer needs and preferences into business investment planning.</b> Dr Alexandra Wells, Customer Insight Consultant, Western Power	<b>Community engagement - outside in: always on.</b> Roger Marshall, GM Customer and Stakeholder Engagement, Essential Energy	
	<b>Advanced feeder automation system for grid resilience.</b> Brendon Hampton, Future Networks Project Engineer, SA Power Networks	<b>Solar intermittency driven opportunities for orchestration in South Australia.</b> Dr Nick Engerer, Lecturer, ANU	<b>How real options analysis can be used to make better network investments.</b> Sam Forrest, Economist, HoustonKemp Economists	<b>The new energy consumer.</b> George Evans, Digital Lead - Resources Industries, Accenture	
	<b>Asset management systems in asset intensive industries.</b> Michael Schulzer, Principal Engineer, Asset Management Systems, Actew AGL Distribution	<b>Orchestration, the music is more important than the maestro.</b> Brendon Crown, Director of Market Management, Redback	<b>Energy market transformation: implications for risk and return in networks.</b> Jonathan Mirrlees-Black, Director, Cambridge Economic Policy Associates	<b>Engaging the community: The Yackandandah experience.</b> Dr Stephanie Judd, Customer Research and Insights Advisor, AusNet Services	
<b>The Convergence of Asset Management Systems with Safety Management Systems</b> Phil Colvin, Gas Networks Asset Manager, Jemena	<b>Empowering our customers using advanced technology.</b> Kirstan Wilding, Regulation Leader, TasNetworks	<b>Perspectives on the financial benefits of a network connected community micro-grid.</b> Paul Graham, Chief Economist Energy, CSIRO	<b>Becoming a customer led network.</b> Andrew Davis, General Manager-Electricity Markets, Jemena		

1230 - 1330 BREAK



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1330 - 1500 <b>Plenary Session Four: Vision Critical</b>					<b>Session Two: Technology and innovation</b>
<b>Plenary Leader:</b> Anita Oh, Principal, Boston Consulting Group					<b>Session Leader:</b> Cindy Wilks, Field Manager - Lower Hunter, Ausgrid
1330 - 1500	David Smales, Chief Executive Officer, Energy Queensland Dr Sayed Madaeni, Senior Vice President and managing Director of Energy Markets Trading, Advanced Microgrid Solutions Tim Weidenbach, Senior Vice President, Customer Operations, Landis+Gyr North America				<p><b>Automated LiDAR for vegetation strategy &amp; program.</b> Stacie Grassano, Intelfuse</p> <p><b>Data, data, data: why I don't need imagery with my LiDAR.</b> Wayne Evans, Vegetation Manager, CitiPower, Powercor and United Energy</p> <p><b>Six cycles of Lidar - What have we learnt and where do we go?</b> Matt Palmer, Vegetation Policy Manager, Asset Lifecycle Management, Ergon Energy Network   Energex</p>
1500 - 1530 BREAK					
<b>Concurrent Session Four</b>					<b>Session Three: Vegetation management operations</b>
1530 - 1700	<b>4A: Operating the grid edge: microgrids and stand alone systems</b> <b>Session leader:</b> Mark Vincent, Manager Network Strategy, SA Power Networks	<b>4B: Beating the peak: demand response in a smarter system</b> <b>Session leader:</b> Katie Yates, Energy Policy Manager, AusNet Services	<b>4C: A new approach: regulatory innovation</b> <b>Session leader:</b> Selina O'Connor, Government and Stakeholder Relations Manager, Ausgrid	<b>4D: In the zone: integrating renewables and transmission networks</b> <b>Session leader:</b> Tony Meehan, Executive Manager, Regulation, TransGrid	<p><b>Session leader:</b> Caroline Skinner, Organisational Development Project Manager, Endeavour Energy</p> <p><b>Designing a Vegetation Management System: Why not buy off the shelf?</b> Michael Emmett, Bushfire Mitigation Manager, TasNetworks</p> <p><b>Seasonal growth prediction and forecast versus actual results.</b> Paul de Mar, Principal, Natural Resources, GHD</p> <p><b>Integration of vegetation management into our asset management strategy and system.</b> Ty Christopher, General Manager Asset Management, Endeavour Energy</p>
	<b>Onslow Power infrastructure upgrades: preparing for a distributed energy future.</b> Frank Tudor, Chief Executive Officer, Horizon Power	<b>Large-scale smart demand response program.</b> Rodney Bray, Network Planning and Strategy Manager, United Energy	<b>Is paper the best we can do? Using an interactive dashboard to drive greater engagement with regulatory processes.</b> Ann Whitfield, Partner, HoustonKemp Economists	<b>Tasmanian energy industry can play a key role in transitioning Australia's generation fleet.</b> Stephen Jarvis, Manager Planning Networks and Performance, TasNetworks	
	<b>Market-based grid-tied microgrid at Monash University.</b> Tony Fullelove, Program Director, Monash University	<b>To every action there is an equal and opposite reaction - as long as the customer knows about it.</b> Matthew van der Linden, Managing Director, Flow Power	<b>Revenue reset engagement - putting customers first.</b> John Sayers, Program Leader - Revenue Resets, TasNetworks	<b>Unlocking Australia's renewable energy future.</b> Richard Lowe, Executive Manager, Business Growth, TransGrid	
	<b>A fleet of grid-tied hybrid electric buildings.</b> Matt Penfold, Director of Strategy, Advanced Microgrid Solutions	<b>The new demand management incentive scheme: accelerating network transformation.</b> Chris Dunstan, Research Director, Institute for Sustainable Futures, UTS	<b>New directions for network regulation: can old dogs be taught new tricks?</b> Geoff Petersen, Special Counsel, Gilbert + Tobin	<b>Transforming towards a renewable energy future - the South Australian story.</b> Hugo Klingenberg, Senior Manager Network Development, ElectraNet	
	<b>Base power - a solution for uneconomic or risky electricity networks.</b> Eric Pellicer, Network Transformation Manager, Powerco	<b>Demand response: from proof of concept to new market design.</b> Philip Cohn, Business Development and Transactions, ARENA	<b>International approaches to energy network innovation.</b> Garth Crawford, General Manager Economic Regulation, Energy Networks Australia	<b>No plan B - the case for a national grid plan.</b> Dr Alex Wonhas, Managing Director, Energy & Resources, Aureconb	
1700 - 1800 <b>Wrap-up drinks: Hosted by Andrew Dillon, Chief Executive Officer, Energy Networks Australia</b>					