

# Energy Networks 2018 Program

## WEDNESDAY 6 JUNE 2018

0830 - 0850 **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 - 0945 **Vision Critical Keynote Address**

### 0945 - 1045 **Plenary Session One: 'I know what you did last summer'**

**Plenary Leader:** Cole Latimer, Energy Journalist, Sydney Morning Herald

Nino Ficca, Managing Director, AusNet Services  
Phil Blythe, Chief Executive Officer, Greensync  
Clare Savage, Deputy Chair, Energy Security Board

1045 - 1115 **BREAK**

### Concurrent Session One

1115 - 1245	<p><b>1A: Regulation, reform and grid transformation</b></p> <p><b>Session leader:</b> Jenny Doyle, General Manager Regulation and Pricing, Energy Queensland</p> <p><b>Network reform – an investor’s perspective.</b> Michael Cummings, Partner, Global Infrastructure Equity AMP Capital</p> <p><b>Challenging Australia’s ‘one size fits all’ energy network regulatory paradigm.</b> Euan Morton, Principal, Synergies Economic Consulting</p> <p><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</p> <p><b>An overview and reflections on Ofgem’s RIO model.</b> Caroline Taylor, Group Manager of Regulatory Policy, Transgrid</p>	<p><b>1B: Platform for the future: distribution system operator practice and strategy</b></p> <p><b>Session leader:</b> Peter Price, Executive General Manager Asset Safety and Performance, Energy Queensland</p> <p><b>Defining a strategy for the DSO transition – a UK perspective.</b> Mark Sprawson, Head of Network Innovation, EA Technology</p> <p><b>Distributed energy resource orchestration in the real world: outcomes of the Mooroolbark mini grid innovation project.</b> Justin Harding, Distributed Energy &amp; Innovation Manager, AusNet Services</p> <p><b>Securing the grid with DER.</b> Violette Mouchaileh, Group Manager – Market Enhancement, Australian Energy Market Operator</p> <p><b>Acquiring distributed energy customers to solve network constraints.</b> Luke Osborne, Director, Reposit Power</p>	<p><b>1C: Strengthening the spine: a secure power system</b></p> <p><b>Session leader:</b></p> <p><b>Enhancing visibility of modern energy networks.</b> Dr Sudarshan Dahal, Power System Network Modelling Specialist, Powerlink Queensland</p> <p><b>Grid inertia and frequency stability - challenges and solutions.</b> Angelo Iacono, Energy Management, Siemens</p> <p><b>Managing Australia’s energy transition.</b> Cameron Parrotte, Executive General Manager, Strategy &amp; Innovation, Australian Energy Market Operator</p> <p><b>Innovations for improved transmission system reliability and asset utilisation.</b> Mark Lancaster, Director Intelligent Grid &amp; Energy Solutions, Southwire Company</p>	<p><b>1D: Gas futures and innovation</b></p> <p><b>Session leader:</b> Gabrielle Sycamore, General Manager - Gas Markets, Jemena</p> <p><b>Evoenergy distribution biomethane to gas grid.</b> Dave Bellew, Branch Manager Contestable Business Unit, Evoenergy</p> <p><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</p> <p><b>Decarbonising Australia’s gas networks: opportunities for collaboration on a key national issue.</b> David Norman, Chief Executive Officer, Energy Pipelines CRC</p> <p><b>How smart gas can offer better service for end customers, and strengthen offerings and improve efficiencies for distributors.</b> Alex Beveridge, Vice President and General Manager, Asia Pacific, Silver Springs Networks</p>	<p><b>Network Operations Forum: Internet of energy: data, security &amp; network operations</b></p> <p><b>Session One: Unlocking the Value of IoT</b></p> <p><b>Session leader:</b> Shelley Zerni, Endeavour Energy</p> <p><b>The biggest challenge about IT and OT convergence is not about technology.</b> Tania Yudianto, Director, Litmus Group</p> <p><b>IoT communications – improving consumer experience.</b> Caleb Gordon, Marketing and Communications Manager Asia Pacific, Landis+Gyr</p> <p><b>IoT and analytics enable transformation in global utilities.</b> Glen Garner, Senior Managing Consultant, IBM Global Centre of Competency</p>
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1245 **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> Cole Latimer, Energy Journalist, Sydney Morning Herald Rosemary Sinclair, Chief Executive Officer, Energy Consumers Australia Peter J 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>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>Management of distributed generation using DGHost in New Zealand.</b> Dr Sharee McNab, Senior Research Engineer, EPECentre, University of Canterbury <b>Utilising powerflow control to improve capacity utilisation and enable renewable integration.</b> Andrew Kingsmill, Manager-Network Planning, Transgrid <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>Learnings from solar PV hosting capacity trials on LV networks.</b> Daniel Eghbal, Energex Future Network Strategy Engineer, Energy Queensland	<b>2B: Stored knowledge: storage case studies</b> <b>Session leader:</b> Brian Spak, Leader - Grids and Renewable Integration, CSIRO <b>Hydrogen for energy storage- lessons from Mainz Energie Park project.</b> Murray Lyster, Head of Hydrogen Solutions, Siemens <b>ESCRI battery energy storage project - lessons learnt.</b> Hugo Klingenberg, Senior Manager Network Development, ElectraNet <b>Salisbury battery trial - initial insights.</b> Mark Vincent, Manager Network Strategy, SA Power Networks <b>Endeavour Energy's battery storage trials.</b> Stuart Watts, Communication and Control Manager, Endeavour Energy	<b>2C: Pricing the future</b> <b>Session leader:</b> Kirstan Wilding, Leader Regulation, TasNetworks <b>Demand tariffs: the good, the bad and the ugly.</b> John Sorbello, Manager Pricing and Tariff Strategy, Energy Queensland <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>Barriers to an energy services market.</b> Dr Neil Lessem, Senior Associate, The Brattle Group <b>Network tariff innovation: demand-based tariffs are not the answer - for customers, or for networks.</b> Balazs Kotnyek, Principal, Boston Consulting Group	<b>2D: Customer connection: strategies for consumer engagement</b> <b>Session leader:</b> Ty Christopher, General Manager Asset Management, Endeavour Energy <b>ElectraNet's early engagement program.</b> Simon Appleby, Senior Manager Regulation and Land Management, ElectraNet <b>Consumer engagement 2.0.</b> Mark Henley, Manager Advocacy and Communication, Uniting Communities <b>Energy affordability and hardship: It's time for a new approach.</b> Janine Young, Energy & Water Ombudsman NSW <b>Improving stakeholder engagement.</b> Melissa O'Neill, General Manager Corporate Affairs, CitiPower, Powercor and United Energy

<b>Session Three: Asset information: energy data analytics</b> <b>Why utilities should think beyond asset data management and focus on asset information management.</b> Mark Ewen, Vice President Strategy - Utilities & Geospatial <b>Using data analytics to improve electricity transmission and distribution grid resilience.</b> Ravi Kiran, Industry Solutions Executive - Utilities, ABB Australia Pty Ltd <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 Pty Ltd <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
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Evening Conference Gala dinner



# DAY 2 Thursday 7 June 2018

## THURSDAY 7 June 2018

0700 - 0830	Meet the Industry Breakfast
0830 - 0835	<b>Welcome</b>
0835 - 0850	<b>Ministerial Address</b> The Hon Josh Frydenberg MP, Minister for the Environment and Energy, Australian Government

0850 - 0920	<b>Keynote Address</b> Sanjeev Gupta, Executive Chairman and CEO, GFG Alliance - Australia
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0920 - 1020	<b>Plenary Session Three: Energy Networks 2018 Leaders Panel</b>
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**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	<b>Vision and Leadership</b>
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Phillip Hirschhorn, Partner & Managing Director, Boston Consulting Group

1035 - 1100	BREAK
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### Concurrent Session Three

1100 - 1230	<b>3A: High performance: realising value through asset management</b>	<b>3B: Energy orchestration: an integrated future</b>	<b>3C: Smart calls: network investment and decision making</b>	<b>3D: Engaging in a transformed energy system</b>	<b>Network Operations Forum: Vegetation Management</b>
	<b>Session leader:</b> Caroline Skinner, 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>Session One: Strategic approach to vegetation management</b>
	<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>Session Leader: Shanika Vithanage, Endeavour Energy</b>
	<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	<b>The new energy consumer.</b> George Evans, Digital Lead - Resources Industries, Accenture	<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>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>Working with key stakeholders to deliver improved vegetation clearance outcomes.</b> Alexandra Lewis, Vegetation Strategy Lead, SA PowerNetworks

1230 - 1330	BREAK
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1330	<b>Plenary Session Four: Vision Critical</b>				<b>Session Two: Technology and innovation</b>
	<b>Plenary Leader:</b> Phillip Hirschhorn, Partner & Managing Director, Boston Consulting Group				<b>Automated LiDAR for vegetation strategy &amp; program.</b> Stacie Grassano, Intelfuse
1330 - 1500	David Smales, Chief Executive Officer, Energy QLD Blanca Losada, Chief Technology Officer, Gas Natural and Chief Executive Officer Gas, Natural Fenosa Engineering Susan Kennedy, Founder and Chief Executive Officer, Advanced Microgrid Solutions Tim Weidenbach, Senior Vice President, Customer Operations, Landis+Gyr North America				<b>Data, data, data: why I don't need imagery with my LiDAR.</b> Wayne Evans, Vegetation Manager, CitiPower, Powercor and United Energy
1500 - 1530	BREAK				
	<b>Concurrent Session Four</b>				
1530 - 1700	<b>4A: Operating the grid edge: microgrids and stand alone systems</b>	<b>4B: Beating the peak: demand response in a smarter system</b>	<b>4C: A new approach: regulatory innovation</b>	<b>4D: In the zone: integrating renewables and transmission networks</b>	<b>Session Three: Vegetation management operations</b>
	<b>Session leader:</b> Mark Vincent, Manager Network Strategy at SA Power Networks	<b>Session leader:</b> Katie Yates, Energy Policy Manager, AusNet Services	<b>Session leader:</b>	<b>Session leader:</b> Tony Meehan, Executive Manager, Regulation, TransGrid	<b>Session leader:</b> Lucia Rosa, Endeavour Energy
	<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>Designing a Vegetation Management System: Why not buy off the shelf?</b> Michael Emmett, Bushfire Mitigation Manager, 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> Anna Matysek, Executive Manager Strategy, Executive Manager Asset Management, TransGrid	<b>Seasonal growth prediction and forecast versus actual results.</b> Paul De Mar, Principal, Natural Resources, GHD
	<b>A fleet of grid-tied hybrid electric buildings.</b> Jesse Bryson, Vice President-Head of Global Market Development, 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> Rainer Korte, Executive Manager Asset Management, ElectraNet	<b>Integration of vegetation management into our asset management strategy and system.</b> Ty Christopher, General Manager Asset Management, Endeavour Energy
	<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, Aurecon	
1700 - 1800	<b>Wrap-up drinks: Hosted by Andrew Dillon, Chief Executive Officer, Energy Networks Australia</b>				