

# ENERGY IN WESTERN AUSTRALIA CONFERENCE 2015: August 26-27, 2015 Pan Pacific Hotel Perth

## Smart Energy: Equity, Efficiency, Value and Investment

### Day 1 – Wednesday 26<sup>th</sup> August 2015 SMART ENERGY

8:00am	Registrations open
8:40am	Introduction by Session Chair
8.45am	Conference Review by Session Chair: Sally Bogle, Editor, Australian Institute of Energy
<b>Western Australian Energy Policy Developments</b>	
9:00am	<p>Conference Opening</p> <p><b>Speaker: The Hon Dr Mike Nahan MLA</b>, Treasurer; Minister for Energy, Citizenship and Multicultural Affairs</p> <p>The Minister for Energy will address delegates on the state of energy in Western Australia.</p>
<b>International Innovation</b>	
9:30am	<p>International Keynote Speaker</p> <p><b>Speaker: Dr Philip Lewis, Founder &amp; Chief Executive Officer, VaasaETT Oy Ab Ltd</b></p> <p><b>Synopsis:</b> What is driving 'smart energy' innovation, and how do modern customer choices affect the traditional supply chain model? Philip Lewis will present international perspectives on how consumer behavioural changes drive energy market reform, fuel selection and product diversity.</p>
10:15am	<b>Morning break</b> <i>Sponsored by Holman Fenwick Willan</i>
<b>Consumers in the Driver's Seat – The Challenges and Opportunities of New Energy Behaviours</b>	
10:45am	<p><b>Speaker: Hugh Outhred, Senior Visiting Fellow, The University of New South Wales</b></p> <p><b>Synopsis:</b> Increasing energy efficiency, energy conservation and the rise in small-scale renewable energy systems would appear to indicate a shift in how and when energy is used – and from where it's sourced. But what is at play here? Are consumers becoming 'greener' or simply responding to price signals favouring technologies that offset increasingly higher energy prices? Where consumers are responding to price, are current tariff structures distorting the price signal? How sustainable are consumer-driven changes to the electricity sector? In his presentation, Hugh will discuss the drivers of consumer behaviour, the current impact on the electricity supply chain, and potential industry and government responses.</p>
<b>Panel 1: What is Smart Energy? (Interactive Session)</b>	
11:15am	<p><b>Panel chair: Hugh Outhred, Senior Visiting Fellow, The University of New South Wales</b></p> <p><b>Panel members:</b></p> <ul style="list-style-type: none"> <li>• <b>Carl Barrett, Group Manager Energy and Environment, BGC Australia</b></li> <li>• <b>Energy Industry Analyst Representative</b></li> <li>• <b>Steve Wightman, Managing Consultant, PA Consulting Group</b></li> <li>• <b>Domenic Rotili, Country President &amp; Head of Grid Australia &amp; New Zealand, Alstom</b></li> </ul> <p><b>Synopsis:</b> Technological advancements, the desire for greater efficiency, affordability concerns, less reliance by customers on traditional energy supplies, or a combination of factors. What are the geopolitical forces driving the shift to smart energy systems? The panel will present views from a range of different energy market perspectives and participate in open dialogue with panel members on such matters as barriers to entry, technology life cycles, national and regional interests, energy security, and international trade.</p>
12:30pm	Lunch (Sponsorship still available)

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1:30pm	<b>Introduction by Session Chair: Brenna Pavey, Public Utilities Office</b>
<b>The Energy Investment Decision</b>	
1:35pm	<p><b>International Keynote Speaker</b>  <b>Speaker: Alistair Mackie, Partner, Holman Fenwick Willan</b>  <b>Synopsis:</b> De-risking energy investment. Financing costs (debt and equity) can significantly affect the type of energy investment decision, whether the fuel is renewable or fossil. What do international investors like and dislike about Western Australia and how do we rank on a global scale? Based in London, Alistair will share his investment experience from working on a number of energy projects around the world.</p>
<b>The Smart Energy Future of Embedded Generation</b>	
2:05pm	<p><b>Speaker: Rod Hayes, Chief Executive Officer, Balance Services Group</b>  <b>Synopsis:</b> Embedded generation has moved beyond the environmentally conscious consumer. Cost reductions and government incentives have resulted in the uptake of more than 150,000 residential installations in WA as consumers look to save more today while hedging against future electricity prices. Where is the ‘smart energy’ future for self-generation? Will technology, cost reductions, and tailored business models enable the commercial and industrial sector to mimic the adoption rate of the residential sector? This presentation explores the range of new opportunities in meeting the needs of commercial and industrial customers, as well as the challenges of operating in an uncertain policy environment.</p>
<b>Understanding Energy Hardship and Proposing Solutions</b>	
2:30pm	<p><b>Speaker: Chris Twomey, Director Social Policy, WACOSS</b>  <b>Synopsis:</b> Understanding the circumstances and lived experience of those facing financial hardship is critical to reducing disconnection rates and bad debts. As Western Australian energy prices continue to rise more people face pressure to pay for the energy they have consumed. As our energy technology evolves and the products, choices and means for engaging with consumers change, it is critical we ensure vulnerable customers are not left behind. Consumer representation and research can play a critical role in delivering better products, regulation and consumer protection to ensure our future energy markets are accessible, equitable and efficient in relation to such matters as improving information and education, incentivising customers to change consumption behaviour, providing access to affordable technology and providing greater flexibility in terms of how customers contract for energy services.</p>
3:00pm	<b>Afternoon tea break</b> <i>Sponsored by Holman Fenwick Willan</i>
3:30pm	<b>Introduction by Session Chair: Panel chair or PUO Representative</b>
<b>Panel 2: The New Utility Business Model (Interactive Session)</b>	
3:35pm	<p><b>Panel chair: Alex Fraser, Interim Chief Executive Officer, Energy Retailers Association of Australia</b>  <b>Panel members:</b></p> <ul style="list-style-type: none"> <li>• <b>Paula Conboy, Chair, Australian Energy Regulator</b></li> <li>• <b>Shane Cremin, Development Manager, APA</b></li> <li>• <b>Paul Italiano, Chief Executive Officer, Western Power</b></li> <li>• <b>Lynne Chester, Senior Lecturer, University of Sydney</b></li> </ul> <p><b>Synopsis:</b> Technological innovation and the rise of the newly engaged consumer – the ‘prosumer’ – are challenging the traditional utility business model. The benefits for some consumers are obvious but changes the nature of risk and the allocation of costs.</p> <p>Numerous studies point to innovation as the key to the continued viability of network operators and retailers, but what are the challenges, opportunities and changes necessary to innovate in a sector designed on the traditional ‘end-consumer supply chain’ model? How should the regulatory model be redesigned to enable adaptation and balance interests between consumers and utilities while continuing to work towards a customer-focused, efficient economy in a period of rapid change?</p> <p>This interactive session explores the challenges that smart energy brings to the electricity sector and steps back to first principles in exploring the ideal relationship between the regulator, network operator, retailer and consumer in a smart energy future.</p>
5:00pm	<b>Close of Day One</b>
6:00pm	<b>Conference Dinner at Fraser’s Restaurant</b> <i>Sponsored by Jackson McDonald</i>

## Day 2 – Thursday 27 August 2015 EFFICIENCY, VALUE &amp; INVESTMENT

8:30am	Registrations open
8:55am	Introduction by Session Chair: AIE Representative
<b>Big Data</b>	
9:00am	<p><b>International Keynote Speaker</b></p> <p><b>Speaker: Sajin Rehan, Managing Director &amp; Vice President for Asia, Opower</b></p> <p><b>Synopsis:</b> Data: collecting, storing, protecting and using data, and lots of it, is a hot topic in many industries. In the energy sector, we usually think of big data as a cornerstone of the smart grid. Must a modern energy company by definition also be a technology company? What does big data mean for the energy sector? Who is doing it well? What is the ‘innovation nexus’ between the energy and technology sectors?</p>
<b>Efficiency and Value of Metering Information</b>	
9:45am	<p><b>International Keynote Speaker</b></p> <p><b>Speaker: Paul Atkins, Product Development Manager, Advanced Metering Services</b></p> <p><b>Synopsis:</b> Historically, metering has been seen as network infrastructure required for bill settlement. Customers are not interested in metering infrastructure but the platform it provides for energy services such as energy pricing flexibility, bespoke information services, speed and accuracy of service and appliance management within the home and business. Beneficiaries of new metering technology include customers in addition to retailers and network operators. The emergence of alternative service providers with different business and funding models challenge the traditional utilities by providing innovative services across the entire supply chain.</p>
10:30am	Morning tea break <i>Sponsored by ATCO Australia</i>
11:00am	Introduction by Session Chair: Panel Chair or AIE Representative
<b>Panel 3: Efficiency, Externalities, and Productivity (Interactive Session)</b>	
11:05am	<p><b>Panel chair: Luke Menzel, Chief Executive Officer, Energy Efficiency Council</b></p> <p><b>Panel members:</b></p> <ul style="list-style-type: none"> <li>• <b>Jemma Green, Research Fellow, Curtin University</b></li> <li>• <b>Lyndon Rowe, Chair of the Pilbara Electricity Infrastructure Project Committee</b></li> <li>• <b>Frank Tudor, Managing Director, Horizon Power</b></li> <li>• <b>Jeff Dimery, Chief Executive Officer, Alinta Energy</b></li> </ul> <p><b>Synopsis:</b> There are challenges in making optimal decisions in energy systems. How should policy and markets be structured to overcome them? Investment horizons vary widely, as do the opportunities to extract more efficiency from different links in the energy value chain. An efficient use of resources for one may in fact duplicate or limit services for others.</p> <p>In the Pilbara, individual interests have long taken precedence over a coordinated approach to building energy and other infrastructure. The state has asked suppliers and consumers to consider alternatives. How are businesses, government, regulators and academia improving the way we get the biggest bang for our energy buck? What would a more efficient energy system in the North West look like, and what will be the outcomes for suppliers and consumers? Does efficiency differ in the urban world, compared with our regional and remote areas?</p>
12:30pm	Lunch <i>Sponsored by Alinta Energy</i>
1:25pm	Introduction by Session Chair: PUO Representative
<b>Oil and Gas: Local Impacts of Global Changes</b>	
1:30pm	<p><b>Speaker: Gero Farruggio, Vice President Research Asia Pacific Upstream Oil and Gas, Wood Mackenzie</b></p> <p><b>Synopsis:</b> There have been dramatic changes in oil and coal prices, and the links to gas and LNG prices have created uncertainty for investors. Wood Mac will set the scene on energy prices worldwide and how they might affect WA prices and the flow-on to industry and electricity generation. How might local policies like gas reservation, retention leases, field development and market transparency, or the lack thereof, affect WA energy markets?</p>

## Day 2 – Thursday 27 August 2015 EFFICIENCY, VALUE &amp; INVESTMENT

Gas Supply and Demand in WA	
2:00pm	<p><b>Speaker: Bruce Clement, Managing Director, AWE Limited</b></p> <p><b>Synopsis:</b> What is the outlook for the supply of gas into WA markets? How does that match up with market outlook? What are the key requirements from policy to assist the supply coming to market? What should the community know about the source of supply? What investments are required to bring supplies to fruition, and what investment conditions will affect the decisions around project development the most? How are onshore and offshore investments different?</p>
Non-Government Energy Infrastructure Investment	
2:30pm	<p><b>Speaker: Bobbi Lambright, Managing Director, ATCO Australia</b></p> <p><b>Synopsis:</b> In today's environment, with pressure on efficiencies and meeting the needs of a rapidly expanding population and urban development, it is important that private enterprise and government play to their strengths. Privately owned utility services are well placed to service the needs of the consumer, whilst being responsive to the market. Governments, for their part, retain an important role through the regulatory process, which sets service levels and other provisions for supply. Working together to find the right balance where energy markets can grow efficiently is of critical importance in achieving a safe, reliable and price-competitive energy supply to existing and new consumers.</p>
3:00pm	<b>Afternoon tea break</b> <i>Sponsored by ATCO Australia</i>
3:30pm	<b>Introduction by Session Chair: Conference chair or PUO Representative</b>
Panel 4: Smart Energy in Western Australia (Interactive Session)	
3:35pm	<p><b>Panel chair: Deidre Willmott, Chief Executive Officer, Chamber of Commerce and Industry</b></p> <p><b>Panel members:</b></p> <ul style="list-style-type: none"> <li>• <b>Allan Dawson, Chief Executive Officer, Independent Market Operator &amp; EMR Steering Committee</b></li> <li>• <b>Peter Meurs, Executive Director, Fortescue</b></li> <li>• <b>Stephen Eliot, Chief Executive Officer, REMCo</b></li> <li>• <b>Jason Waters, Chief Executive Officer, Synergy</b></li> </ul> <p><b>Synopsis:</b> The Western Australian energy sector is continuing to experience change, with the transfer of regulation of the Western Power network to the Australian Energy Regulator, integration of the IMO and System Management, reform of the Wholesale Electricity Market (including changes to the reserve capacity mechanism), and a clear intention to move to full electricity retail competition. These changes will significantly affect the way electricity and gas are priced, offered and supplied to customers. Key Western Australian market participants will present their views on our changing energy market.</p>
4:50pm	<b>Conference Closing by the Conference Committee Chair</b>
5:00pm	<b>Closing function</b> <i>Sponsored by Quadrant Energy</i>
6:00pm	<b>Conference conclusion</b>

## CONFERENCE APP

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