

## ENERGY IN WESTERN AUSTRALIA CONFERENCE 2017 August 23 – 24, 2017 Pan Pacific Hotel Perth

### Day 1 – Wednesday 23<sup>rd</sup> August

8:45am	Introduction by conference facilitator, Brenna Pavey <ul style="list-style-type: none"> <li>• Welcome to Country by Barry McGuire</li> </ul>
8:55am	<b>Conference overview by the Australian Institute of Energy Chair</b> <b>Speaker: Louis Kent</b>
9:00am	<b>Special address: The Hon Ben Wyatt, Treasurer; Minister for Energy; Finance; Aboriginal Affairs</b>
<b>Perspectives: World Energy Outlook</b>	
9:30am	<b>Speaker: Dr Steve Lennon, Managing Director, Shanduvan (Pty) Ltd.</b> Perspectives on the World Energy Outlook from the International Energy Agency: The state of play in global energy supply, demand and investment and its future outlook. This talk will highlight the implications for coal, gas, renewables and nuclear of adjusting to current and future market conditions, as well as options to ensure the resilience of energy systems while creating a foundation for a sustainable energy future.
10:00am	<b>Morning tea (sponsored by Holman Fenwick Willan)</b>
10:30am	<b>Introduction by conference facilitator</b>
<b>The prospects for the IOCs and oil prices: Lower for longer?</b>	
10:35am	<b>International Keynote Speaker: Prof Paul Stevens, Distinguished Fellow, Chatham House</b> International oil companies face serious problems with the business model that has been driving them for the last 30 years. One of these problems has been the much lower oil prices experienced in recent years. In order for them to survive, will it be wise to hang on in the hope that oil prices begin to rise again, or is this an unlikely future? What alternatives may be tried, or are they doomed to extinction?
<b>Investment in fossil fuels and renewable energy</b>	
11:05am	<b>Speaker: Tim Buckley, Institute of Energy Economics and Financial Analysis (IEEFA)</b> Are emerging economies 'skipping a generation' by opting for renewable energy technologies instead of thermal generation? To what extent are our major trading partners in the region decarbonising their electricity sectors? The Institute for Energy Economics and Financial Analysis conducts research and analyses on financial and economic issues related to electricity markets. IEEFA's mission is to accelerate the transition to a diverse, sustainable and profitable energy economy and to reduce dependence on coal and other non-renewable energy resources. Tim Buckley will discuss IEEFA's views on regional investment trends in the electricity sector and the outlook for major energy technologies.
<b>Market reform: A WAIPA perspective</b>	
11:35am	<b>Speaker: Richard Harris, Chairperson, WA Independent Power Association</b> The WAIPA is preparing a "White Paper" for consideration by the WA Government which will outline key reforms that it believes should be introduced in this term of government. The WA Government has indicated it is considering options for further reform by opening the market, giving consumers greater choice and putting downward pressure on electricity prices. The presentation from Richard Harris will outline some key objectives and options for reform that the Minister for Energy could consider, and which will be incorporated in the WAIPA's White Paper.
12:05pm	<b>Lunch (Sponsored by Alinta Energy)</b> <b>Dine with Conference Speakers</b> The Energy in WA Conference will, for the first time, host an interactive lunchtime session with conference speakers and WA energy leaders. The session allows delegates to dine with a speaker of their choice (and eight other delegates) to discuss matters facing the energy sector over an enjoyable lunch. The sessions will follow an informal Q&A style, and delegates will be able to choose their table on a first-come, first-served basis.

1:25pm	<b>Introduction by conference facilitator</b>
<b>Interactive Session 1: Competition in the gas market</b>	
1:30pm	<p><b>Chair: Murray Meaton AM, Director, Economic Consulting Services</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Tim Langmead, Director, External Relations, Fortescue Metals Group Limited</b></li> <li>• <b>Pete Di Bona, General Manager, Domestic Gas Marketing, Chevron</b></li> <li>• <b>Jill Hoffmann, SVP Marketing and Trading, Woodside Energy</b></li> </ul> <p>The gas market in Western Australia has fundamentally changed. High contract prices have seen demand falter, while new producers and the end of joint marketing have seen the number of potential suppliers increase. The panel will discuss the new market dynamics and the outlook for natural gas use in the State.</p>
<b>Hardship, inclusion and our customer-driven energy future</b>	
2:35pm	<p><b>Speaker: Chris Twomey, Leader, Policy Development and Research, WACOSS</b></p> <p>Projections are that by 2020 around 100,000 batteries will accompany the 1.44 million solar systems currently installed on Australian properties. In addition to meeting the customer's own consumption needs, such technologies are expected to allow customers to participate in the energy market by providing a range of services to networks and retailers in exchange for financial incentives. This shift is promoted as a big win for consumers, but is this all consumers, or a subset of the population? Chris Twomey from the WA Council of Social Service will talk about how policy makers and energy service providers can ensure low-income customers are not left behind in the transition to a customer-driven energy future.</p>
3:00pm	<b>Afternoon tea (Sponsored by: Holman Fenwick Willan)</b>
3:30pm	<b>Introduction by conference facilitator</b>
<b>The shift of Battery Energy Storage Systems from the traditional off-grid applications to on-grid uses</b>	
3:35pm	<p><b>Speaker: Greg Allen, Chief Operating Officer, Carnegie</b></p> <p>The increasing competitiveness of battery energy storage system (BESS) technology is seeing a rapid shift in the focus BESS from the traditional off-grid applications to on-grid uses. Greg will discuss the company's approach and experience to innovation of BESS technology and how it's improved competitiveness is opening up new applications in the on-grid network support services and energy arbitrage markets as well as the tradition off-grid markets.</p>
<b>United States energy policy overview and strategic direction</b>	
4:00pm	<p><b>Chair: Dr Steve Lennon, Managing Director, Shanduvan (Pty) Ltd</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Rachel Cooke, United States Consul General, Perth</b></li> <li>• <b>Mark McGranaghan, Vice President of Power Delivery &amp; Utilization, Electric Power Research Institute (EPRI)</b></li> </ul> <p>The USA plays a key role in energy policy and markets. The panel will explore the key drivers of the current Administration's energy priorities and challenges and its international objectives in terms of energy exports. Trends and initiatives in the renewables arena, how this influences emissions targets and climate change policy developments as a significant factor and impact on the envisioned future for energy.</p>
<b>Global trends and the cost of policy uncertainty</b>	
4:30pm	<p><b>Ali Asghar, Bloomberg New Energy Finance</b></p> <p>In these uncertain times, a clear and cohesive energy policy framework is needed to provide business with the certainty required to make confident investments. Developing such a framework is by no means easy, but what is the price of not rising to this challenge? Ali Asghar will discuss the impact that a lack of national policy direction may have in Australia and also highlight current global trends, including the declining costs of batteries and renewable technologies, potential uptake of electric vehicles and the closure of traditional fuel power plants that will impact Australia regardless of policy certainty.</p>
5:00pm	<b>Close of day one</b>
6:00pm	<b>Conference dinner, Beaumonde on the Point (Sponsored by Aggreko)</b>

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Day 2 – Thursday 24<sup>th</sup> August

<b>8:45am</b>	<b>Introduction by conference facilitator, Kirsten Rose</b>
<b>Finkel review</b>	
<b>8:50am</b>	<p><b>Speaker: Chloe Munro, former Chair of the Clean Energy Regulator and member of the Finkel Review panel</b></p> <p>Worldwide, the electricity systems are in transition. Policy-makers and system operators are confronting the challenge to fulfill community expectations in an increasingly complex environment.</p> <p>These challenges came to a head in the system blackout event in South Australia in September 2016. In response, the Council of Australian Governments commissioned the Chief Scientist, Dr Alan Finkel, and a small panel of experts to undertake an independent review of the future security of the National Electricity Market. The Blueprint, published in June 2017, represents a once-in-a-generation opportunity to put Australia's electricity system on a sound footing for the future.</p> <p>Though the terms of reference of the review were specific to the connected regions of the National Electricity Market, Chloe Munro will discuss how many of its fifty recommendations are equally relevant to Western Australia.</p>
<b>International energy markets and the domestic fuels outlook</b>	
<b>9:25am</b>	<p><b>Speaker: Paul Bloxham, Chief Economist, HSBC</b></p> <p>Paul is chief spokesperson for HSBC on forecasts and trends for the Australian and New Zealand economies and their interaction with global financial markets and international economies. He will provide delegates with a domestic fuels analysis, outlining what international market trends mean for Western Australia's domestic fuel availability and price.</p>
<b>10:00am</b>	<b>Morning tea</b>
<b>10:30am</b>	<b>Introduction by conference facilitator</b>
<b>Interactive Session 2: The future of coal</b>	
<b>10:35 am</b>	<p><b>Chair: Murray Meaton AM, Director, Economic Consulting Services</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Tennant Reed, Principal National Advisor, The Australian Industry Group</b></li> <li>• <b>Bill Moody, Principal, William Moody Resources Advisory (WMRA)</b></li> <li>• <b>David Trench, independent consultant</b></li> <li>• <b>Wayne Sanford, President, Collie Shire</b></li> </ul> <p>Coal has been held forth as pariah and saviour, and such hyperbole emerging from politics and the media is difficult to reconcile. The panelists will unpack some of the questions about coal's long-term prospects in Western Australia. They will seek to address whether coal is in decline and if so, why and whether government has a role in supporting the fuel or should instead focus on transitioning the communities that have supported the state for decades.</p>
<b>Energy transformation and disruption in electricity markets</b>	
<b>11.50am</b>	<p><b>Speaker: Mike Thomas, Co-founder, Lantau Group</b></p> <p>The energy sector is being disrupted, but the drivers are a complex mix of innovation, market-dynamics, and legacy regulatory and policy factors. The result can be a mix of desirable and undesirable impacts that introduce change but not necessarily unambiguous progress. It's useful to identify and carefully consider the emerging challenges as well as the opportunities for WA associated with the energy transformation, including, how value is definitely moving around but not necessarily always being created.</p>

12:20pm	Lunch
1:20pm	Introduction by conference facilitator
From New York to Australia's South West: lessons from New York's 'Reforming the Energy Vision'	
1:25pm	<p><b>Speaker: Audrey Zibelman, Chief Executive Officer, AEMO</b></p> <p>Audrey will talk about her time as Chair of the New York State Public Services Commission (NYPSC), which included the development and implementation of the 'Reforming the Energy Vision' (REV) plan. REV has been internationally recognised as an example of 21st-century regulatory reform that focuses on lowering the cost of energy for consumers while building a more resilient and reliable power system. Audrey will discuss how the REV applies in Australia, specifically in the context of Western Australian market reform.</p>
Retail competition: lessons from the east coast	
2:00pm	<p><b>Speaker: Tony Wood, Energy Program Director, The Grattan Institute</b></p> <p>There has been a relatively unquestioned assumption that competition is required to improve efficiency in the electricity retail sector, deliver lower costs and better quality services to consumers. Western Australia has long been viewed as the laggard, with its government ownership of the major electricity retailers in WA and the prohibition on residential and small business customers from choosing their retailer. Certainly the intent behind delays in implementing competition is open to criticism, but it would seem that WA might now be uniquely positioned to benefit from the experiences in more mature markets such as Victoria. Tony Wood will discuss the Grattan Institute's report 'Price Shock: Is the retail electricity market failing consumers', providing a unique perspective for WA as it considers expanding retail competition.</p>
International experience with energy transformation, technology and policy	
2:30pm	<p><b>Speaker: Mark McGranaghan, Vice President of Power Delivery &amp; Utilization, Electric Power Research Institute (EPRI)</b></p> <p>Mark will discuss the need to address energy issues as an integrated analysis, recognising the increasing interdependency between electric, gas, thermal systems, storage and natural resources. EPRI envisions an Integrated Energy Network in which customers have flexibility to use, produce and manage energy, while having increased access to reliable, safe, affordable and cleaner power. Achieving this future requires an integrated view of energy and natural resources – looking beyond just electricity. The discussion will address technology development, policy, regulation and standards to achieve the Integrated Energy Network.</p>
3:00pm	Afternoon tea
3:30pm	Introduction by conference facilitator
Interactive Session 3: Making customers the centre of service delivery	
3:35pm	<p><b>Chair: Nicky Cusworth, Chair, Economic Regulation Authority</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Chris Alexander, Director Advocacy and Communications, Energy Consumers Australia</b></li> <li>• <b>Seán McGoldrick, Executive Manager Asset Management, Western Power</b></li> <li>• <b>Geoff White, Project Director Retail Strategy, Horizon Power</b></li> <li>• <b>Geoff Roberts, General Manager Commercial, Synergy</b></li> </ul> <p>The days of passive consumption of energy by consumers are over, with new technologies and business models allowing consumers to generate and sell as well as buy electricity. Utilities can now engage customers and develop diverse products and services that reduce costs and improve services for consumers.</p> <p>As utilities get better at engaging customers, customers are also becoming more vocal about how their energy is generated and delivered. Among many customer demands is more renewable generation, along with more reliable microgrid and standalone power.</p> <p>Synergy, Horizon Power and Western Power will discuss how their businesses are changing to accommodate customer needs and expectations and how they will adopt, and adapt to, emerging technology.</p>

4:50pm	Conference wrap-up by conference committee chair
5:00pm	Closing function
6:00pm	Conference conclusion

## Speaker Gifts

This year's speaker gifts come to us from glass artist Greg Ash of Mockingbird Glass. Greg was born and educated in Perth, Western Australia. His teaching qualifications from Edith Cowan University included an emphasis in art teaching. He studied fabrics and textiles, printmaking and silk-screening before discovering glass. Greg is now one of the state representatives for Ausglass, and his piece, "Hammersley Gorge" was featured in episode 21 of *ABC Collectors* as part of the Ausglass National exhibition held in Hobart 2009.

Gifts can be ordered at: <http://www.mockingbirdglass.com.au>

## Have your say during the panel sessions

Panel sessions will feature electronic voting on some questions.

With your electronic device, please go to [slido.com](http://slido.com) and enter the event code #EWA17. You will be able to ask questions and vote through Slido.

### Conference App

The Energy in Western Australia Conference has gone mobile!

Schedule, speaker and sponsor info, Twitter and more on your mobile device- completely free.

Please download guidebook on the Apple App Store or Google Play Store, or visit [guidebook.com/getit](http://guidebook.com/getit).

Redeem Code: energywa17



### Wi-Fi at Pan Pacific

Please connect to the following network and use the following password to access the WIFI.

Network: Conference@PanPacific

Password: energywa17

### Conference Management

Promaco Conventions as Conference Managers for the EWA Conference are pleased to welcome delegates to the Conference. We are positive you will find this a most rewarding experience. If we can be of any assistance please see a staff person at the registration desk.

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