



# Delivering In Uncertain Times

Day One: Wednesday 18<sup>th</sup> of September

Time	Session
8:00 am	Registration
8:45 am	Introduction by conference MC
8:50 am	Welcome to country by Barry McGuire
9:00 am	Conference opening by Louis Kent, chair of Perth's AIE Branch
9:10 am	Minister's address Speaker: Hon Peter Tinley MLA, Minister for Housing; Veterans Issues; Youth: Asian Engagement
<b>Global Energy Perspectives</b>	
9:40 am	Global energy drivers and trends Speaker: Professor Paul Stevens, Chatham House – The Royal Institute of International Affairs Synopsis: Paul Stevens will provide an overview on changes and trends in national and international capital flows in the energy sector, along with insights into interactions between international energy markets and projects. He will also outline perspectives on how emerging technologies influence energy financing.
10:10 am	Morning tea Sponsored by ATCO
<b>Delivering Social and Community Value</b>	
10:40 am	Challenges to regulation in delivering community value Speaker: Nicky Cusworth, Chair, Economic Regulation Authority Synopsis: Nicky Cusworth's presentation will explore the role of economic regulation and competition in furthering the long-term interests of consumers and clarify some misconceptions about Western Australia's regulatory framework along the way.
11:05 am	Social license to operate Speaker: Sarah Browne, Director- Communications, APPEA Synopsis: Communities are demonstrating a mistrust in policy makers and science. They demand a say in the location and the way that projects are developed. Even superannuation funds are indicating they have an obligation to their members to make comprehensive long-term investments that reflect member attitudes. A 'social license to operate' has never been more important.
11:30 am	Taxation and community returns Speaker: Dr Juan Carlos Boue, Counsel, Curtis, Mallet-Prevost, Colt & Mosle LLC Synopsis: The complex Australian offshore petroleum royalty regime has been criticised for failing to deliver a fair return to the community for this valuable resource. This presentation will review this regime and look at the difficult balance between community returns and support for company investment.
12:00 pm	Lunch Sponsored by Alinta Energy



Risk and Investment	
1:00 pm	<p>Shaping a better energy future for all Australians</p> <p>Speaker: Audrey Zibelman, Managing Director &amp; Chief Executive Officer, AEMO</p> <p>Synopsis: The energy transition is well underway and delivering tangible impacts to the Australian energy landscape. AEMO's Audrey Zibelman will discuss the challenges of the energy industry, areas of vulnerability and likely disruption, and also outline AEMO's 3-year approach that will emphasise proactive change that delivers benefits for consumers, system participants and stakeholders.</p>
1:30 pm	<p>The risks in financing energy projects</p> <p>Speaker: Leonard Quong, Head of Australian Research, Bloomberg New Energy Finance</p> <p>Synopsis: Leonard Quong will provide an overview of changes and trends in national and international capital flows in the energy sector, along with insights into interactions between international energy markets and projects. He will look at the extent to which policy uncertainty may be stemming capital flows in Australia. The key issue will be finance in an uncertain policy environment.</p>
1:55 pm	<p>Title: Investing in the Future: Financing the Clean Energy Transition</p> <p>Speaker: Rob Wilson, Head of Western Australia, Clean Energy Finance Corporation</p> <p>Synopsis: This presentation will explore the role of the CEFC in Australia, in the wider WA context, and in the SWIS, along with its key focus areas and the outlook for clean energy investment</p>
2:20 pm	<p>Energy policy and politics: can markets manage risk and deliver investment when they clash?</p> <p>Speaker: Tony Wood, Director Energy, Grattan Institute</p> <p>Synopsis: The concept of well-regulated markets has underpinned Australia's energy reform agenda for the last 20 years. Recent developments suggest this may be changing with major implications for risks and investment. Political pressure to act can overwhelm good policy when bad things happen and this is unavoidable. Yet, how governments react to this pressure becomes critical. In this presentation Tony Wood will analyse the developments that have created this challenge and make recommendations on how the worst consequences can be avoided.</p>
2:45 pm	<p>A new strategy for Australian energy policy</p> <p>Speaker: Robert Pritchard, Executive Director, Energy Policy Institute of Australia</p> <p>Synopsis: In April 2019, the AEMC reported that the NEM no longer provided an acceptable standard of reliable electricity supply. Australia's high energy costs have made much of Australian industry internationally uncompetitive. The problems have everything to do with a breakdown of energy policy at a strategic level. For over a decade, policymakers failed to articulate how to make the transition to a lower-emissions world. Bob Pritchard will explore an energy policy focused on five strategic needs.</p>
3:10 pm	<p>Afternoon Tea</p> <p>Sponsored by ATCO</p>

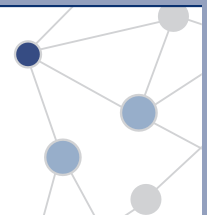


## A Changing Fossil Fuel Landscape

3:40 pm	<p>Global gas and LNG</p> <p>Speaker: Robert Sims, APAC Head of Gas &amp; LNG Research, Wood Mackenzie</p> <p>Synopsis: Australian LNG production continues to increase fuelled by Asian demand. The global LNG industry is changing to meet this demand – new supply options and sale methods. Wood Mackenzie will address the following key issues:</p> <ul style="list-style-type: none"> <li>• Global gas and LNG – addressing the fundamentals as the market rebalances</li> <li>• LNG market evolution in Asia Pacific – where next?</li> <li>• China’s evolving gas market</li> </ul> <p>Where will the next wave of LNG supply come from and how will Western Australia compete?</p>
4.05pm	<p>Liquefied natural gas</p> <p>Speaker: Daniel Kalms, Senior Vice President Scarborough, Woodside</p> <p>Synopsis: Australian exports of liquefied natural gas will rise significantly in the next few years with Western Australian projects making a major contribution. The growth will see LNG exports move into second place for commodity exports and rival iron ore as a driver of the Australian dollar. The presentation will explore the potential for further expansion in Western Australia and the opportunities this brings to downstream gas users.</p>
4.30pm	<p>Interactive session: Transition and the fossil fuel landscape</p> <p>Chair: Murray Meaton, Owner, Economics Consulting Services</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Stephen Hall, Vice President Power and New Markets, Woodside Energy</li> <li>• Taron Brearley, General Manager, Department of Jobs, Tourism, Science and Innovation</li> <li>• Sam Bartholomaeus, Head of Energy (Australia), BHP</li> </ul> <p>Synopsis: The natural gas market in Western Australia has fundamentally changed in the last few years. The end of joint marketing and new producers have greatly increased the number of suppliers. Meanwhile, global trade conditions and a mature mineral processing &amp; manufacturing sector have limited demand growth. The gas panel will look at supply, demand and future opportunities for gas processing.</p>
5:10 pm	Close of day one
6:00 pm	Western Australian Energy Awards 2019 Dinner at Fraser’s, Kings Park in West Perth Sponsored by The Australian Institute of Energy



Merz provide a comprehensive range of energy-related services and independent specialised advice. Our core capability is power distribution, transmission and generation projects, delivering all aspects from idea inception through to commissioning. [www.merzconsulting.com.au](http://www.merzconsulting.com.au)



Market & Regulatory Advisory Services | Asset Management Systems | Engineering & Design | Project Management



## Day Two: Thursday 19<sup>th</sup> of September

Time	Session
7:30 am	AIE Women in Energy and Young Energy Professionals Breakfast
8:30 am	Registration
8:45 am	Introduction by conference MC
8:50 am	Opening remarks by Kate Ryan, Coordinator of Energy, Public Utilities Office
<b>Energy Policy and Productivity</b>	
9:00 am	<p>Industrial energy transformation</p> <p>Speaker: Dr Mary Stewart, Chief Executive Officer, Energetics</p> <p>Synopsis: Mary will look at the break down of industrial energy consumption and unpack how this use is going to change over time. She will review drivers for change, including price and decarbonisation of the energy system, and will summarise what we are seeing happening in Australian industry from both a management and a technology perspective.</p>
9:35 am	<p>Evolving energy market policy</p> <p>Speaker: Rob Heferen, Deputy Secretary Energy, Department of Environment and Energy</p> <p>Synopsis: Rob Heferen will discuss the development of Australia's energy markets. The presentation will consider the extent to which the original intent of reform of Australia's energy systems has been achieved, given the issues and disruptions that have emerged as energy markets have evolved. It will then discuss how the policies of the Australian Government can ensure ongoing reliability and affordability for consumers.</p>
10:10 am	<p>Energy productivity</p> <p>Speaker: Jonathan Jutsen, Chairman and Chief Executive Officer, Australian Alliance for Energy Productivity</p> <p>Synopsis: Rising energy prices have increased the focus on costs, but the effectiveness and efficiency of energy use have largely been neglected. Less than 15% of Australian primary energy used delivers a useful end-service. We have the worst energy productivity in the developed world and slowest rate of improvement. Jonathan will provide practical examples of how to improve energy productivity to lower energy bills, boost competitiveness, reduce carbon emissions and provide affordable, reliable energy through innovation transforming energy use in business. He will explain how to double energy productivity in Australia and WA.</p>
10:40 am	<p>Morning tea</p> <p>Sponsored by Phoenix Contact</p>
<b>New Technologies</b>	
11:10 pm	<p>Storage and customer demands</p> <p>Speaker: Emma Fagan, Energy Policy and Regulatory Manager, Tesla</p> <p>Synopsis: Electric vehicles, behind the meter storage and Virtual Power Plants are new technologies that could solve some of the problems facing the sector and provide better products and services to customers. What do we need to do to be ready so that these new technologies are useable by customers in a way that benefits them and the network, retailer or market? What are the right pre-requisites to realise value to all interested parties including customers?</p>



11:35 pm	<p><b>Green hydrogen, microgrids and gas distribution infrastructure – the future of energy?</b>  <b>Speaker:</b> Russell James GM Business Development West  <b>Synopsis:</b> The ATCO Clean Energy Innovation Hub is a test bed for hybrid energy solutions and integrating natural gas, solar PV, battery storage and hydrogen production. The Hub aims to investigate roles for the gas distribution infrastructure in the future energy mix. Natural gas is well placed to complement intermittent renewable energy while hydrogen can play a role in storage and reduced carbon emissions.</p>
12:00 pm	<p><b>Lunch</b>  <b>Dine with conference speakers and energy leaders</b>  <b>Synopsis:</b> The Energy in WA Conference will host an interactive lunchtime session with conference speakers and WA energy leaders. A selection of speakers will host informal discussions at their tables on matters of their expertise over an enjoyable lunch. The sessions will follow an informal Q&amp;A style, and delegates will be able to choose their table on a first-come, first-served basis.</p>
<p><b>Built to Deliver? Changing Values Across the Supply Chain</b></p>	
1:00 pm	<p><b>Price signals</b>  <b>Speaker:</b> Philip Lewis, Chief Executive Officer, VaasaETT  <b>Synopsis:</b> Price signals are intimately linked to our consumer behaviour. Perceptions of price are that energy prices are excessive and consumers' hip pocket nerves are inducing investments in solar, but the price signals to consumers are unchanged despite the substantial effects it is having on the Wholesale Electricity Market. But are things any different elsewhere? For the last decade Dr Philip Lewis has been reviewing electricity prices across Europe. His presentation will explore the interaction between price signals and consumers internationally</p>
1:30 pm	<p><b>Interactive session: Distributed energy resources – show me the value</b>  <b>Chair:</b> Bruce Mountain, Assoc. Professor and Director, Victoria Energy Policy Centre, Victoria University  <b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• Philip Lewis, Chief Executive Officer, VaasaETT</li> <li>• Guy Chalkley, Managing Director, Western Power</li> <li>• Dermot Costello, WA Regional Advisor, Clean Energy Council</li> <li>• Stephanie Unwin, Chief Executive Officer, Horizon Power</li> <li>• Violette Mouchaileh, Executive General Manager, Emerging Markets and Services Australian Energy Market Operator</li> </ul> <p><b>Synopsis:</b>  Electricity production by photovoltaic (PV) systems behind customers' meters is now (by far) the cheapest electrical energy most customers can access. Batteries offer additional opportunity for customers to meet their energy needs through on-site production. But customers require more than energy from their electricity service and not all customers can self-produce. Some argue that, on average, behind-the-meter PV and batteries provide private benefit but public detriment. If this is true, what should be the priorities for public policy to ensure efficient investment across the supply chain to minimise the costs to all?</p>
3:00 pm	<p><b>Afternoon tea</b>  <b>Sponsored by Phoenix Contact</b></p>



Future of Energy	
3:30 pm	<p>Interactive session: future visions of the electricity sector Chair: Nicky Cusworth, Chair, Economic Regulation Authority Speakers:</p> <ul style="list-style-type: none"><li>· Rob Cole, Chairman, Synergy</li><li>· Chris Alexander, Director Advocacy and Communications, Energy Consumers Australia</li><li>· Kate Ryan, Program Director – Energy Transformation Implementation Unit</li></ul> <p>Synopsis: The electricity supply infrastructure we have today reflects past technology and policy choices. At the heart of these decisions and investments has been centralised generation ported to end users with minimal consumer interaction. The falling cost of distributed generation is rapidly changing this paradigm placing pressure on the business models of today. Industry leaders will outline their visions of the future of Western Australian electricity supply and how this will affect consumers, producers, the technology mix and the supporting commercial, regulatory and market frameworks.</p>
4:50 pm	Conference wrap-up by Julian Fairhall, conference committee chair
5:00 pm	Conference closing function Sponsored by Synergy

The Lantau Group (TLG) is pleased to announce the opening of our new office in Perth, Australia. TLG is a boutique strategy and economic consultancy focusing on the Asia Pacific energy industry.

For more information please visit us at [www.lantaugroup.com](http://www.lantaugroup.com)

