



NATIONAL
ENERGY EFFICIENCY
CONFERENCE 2018

19 – 20 November, Sydney




*Better cities, stronger industry,
cheaper energy*

Delegate Handbook



www.eec.org.au/NEEC18

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Message from the Energy Efficiency Council President

As we come together for our tenth National Energy Efficiency Conference, Australia's energy industry is continuing to navigate a period of unprecedented change. It is a time of great uncertainty – but also opportunity – for the energy efficiency sector.

Business is leading the charge, looking to drive down costs and carbon liabilities. They are revamping their energy strategies and running the ruler over new investments in both energy management and generation to secure their energy position.

State and territory governments are stepping up. This year's conference takes place in NSW, where the State Government has continued its longstanding commitment to help homes and businesses save energy and money. In 2018 the NSW Government built on its existing policies with a further \$72 million to support energy efficiency upgrades of rental accommodation, help manufacturers improve their energy productivity, and upgrade the energy performance of streetlights.

Other governments have also raised their ambitions, with Victoria launching its residential energy efficiency ratings program, and investing in a range of measures designed to help business take control of their energy position.

However, Australia as a whole continues to lag at the back of the pack. The latest global scorecard of energy efficiency policy and performance puts Australia 18th among 25 of the world's largest energy using nations. We have to do better, and to do that we need to drive a step change in the effort we put into the energy efficiency agenda.

The 2018 Conference is an opportunity for us to renew our thinking on how that can be achieved. An incredible array of experts from the International Energy Agency's Energy in Buildings and Communities Programme (EBC), led by the EBC Chair Dr Takao Sawachi, is being joined by global leaders like Prof Peter Hennicke, former President of Germany's Wuppertal Institute, and Matt Golden, an innovator who heads up Californian firm OpenEE.

This incredible line-up of world-class efficiency experts will be joined by home-grown leaders to help us think through how we can make the most of this unique moment in Australia's energy journey.

I'd like to thank the Conference's major partner, NSW Office of Environment & Heritage, acknowledge all of our supporters, and welcome everyone joining us for these two days of conversation and debate. Together we can move the demand side opportunity to centre stage, and embrace an energy future that delivers better buildings, stronger industry and lower energy bills for all Australians.



Professor Tony Arnel
President
Energy Efficiency Council
[@ndygroup](#)



Message from the NSW Minister for the Environment & Heritage

Welcome to the National Energy Efficiency Conference 2018. The NSW Government is delighted to sponsor the Conference as the Major Partner. We are thrilled to support the bringing together of global industry leaders and local leaders to discuss Australia's energy efficiency future.

The Conference is one part of a strong partnership between the Energy Efficiency Council and the NSW Government, through the Office of Environment and Heritage. Tackling important challenges like energy efficiency can only be properly addressed through such partnerships.

Last year, the NSW Government committed \$112 million in energy efficiency programs that are currently being rolled out.

Recently the Government strengthened this commitment with a further \$72 million package of energy efficiency measures to save on power bills for thousands of families and businesses across NSW.

There are \$35 million to help businesses stay competitive by reducing their energy costs. This includes assistance for around 250 manufacturing businesses to install energy efficient equipment. A further 5000 businesses will be provided with world leading energy advice and training.

I wish you well for the conference and hope it provides you inspiration for our joint pursuit of better energy efficiency.



The Hon. Gabrielle Upton MP
NSW Minister for the
Environment & Heritage
[@gabrielleupton](#)



Welcome to the National Energy Efficiency Conference 2018

Assistance

If you have any questions or need assistance, please talk to the Energy Efficiency Council team at the main registration desk.

Coffee

Please enjoy complimentary barista style coffee from two coffee carts located in the Exhibition Hall.

Catering and dietary requirements

Morning tea, lunch and afternoon tea will be available in the Exhibition Hall and are included as part of your registration fee. If you have advised the Conference organisers of special dietary requirements, please speak to the catering staff during the breaks, or at any of the social functions that you may be attending. Catering staff will have a full list of those with special dietary requirements.

Networking drinks

Networking drinks will be held in the Exhibition Hall on both days following the close of the final plenary session.

Energy Efficiency Council AGM

The EEC AGM will be held on Monday 19 November from 6.00pm – 7.30pm in Brisbane Room. Entry is restricted to EEC Members.

EEC Membership

If your organisation is not yet a member of the EEC and you would like to find out how you can get involved, please visit the EEC trade stand and speak to a friendly EEC staff member.

Workshop

The Capturing the Value of Demand Response workshop will take place in the Brisbane Room on Tuesday 20 November, between 9.00am – 5.00pm.

Separate registration is required for this Workshop.

Emergency

Fire exits are located around the Ballroom and foyer indicated by the exit signs. In the event of a fire alarm remain calm and await instruction from the banquets manager. Prior to evacuation the pre-alert sound will be activated (Beep – Beep); if this happens, the cause of the alarm is being investigated and there is no need to panic, during

this time please listen for further instructions which will be given over the PA system. If the evacuation tone (Whoop - Whoop) starts please evacuate the building following the exit signs located at the front and back of the Ballroom. The fire evacuation point for the hotel is the corner of Hunter and Phillip Street in front of the ANZ building.

Evaluation form

Please take a moment to complete your Delegate Evaluation Form and return it to the Registration Desk at the end of the Conference. We encourage all delegates to complete this to help to improve the event in future years. Alternatively, complete your evaluation online at: <https://www.surveymonkey.com/r/NEEC18>

Gala Dinner

The Gala Dinner and National Energy Efficiency Awards 2018 will be held in the Wentworth Ballroom from 7.30pm to 10.30pm, on Monday 19 November, for all delegates who have registered for the dinner.

If you have been informed that a seat has been reserved for you, please check the back of your delegate badge for your table number.

If you have not registered for the dinner but wish to attend, please contact the EEC team at the registration desk to check availability and to book your place.

Dress code: business attire.

Name badges

Please wear your name badge throughout the event and return your badge and lanyard to the registration desk for recycling at the end of the event.

Mobile phones

Out of courtesy to speakers and other delegates, please ensure your mobile phone is switched to silent when in Conference sessions. We kindly ask that phone calls are taken in the Exhibition Hall and not at the back of the session rooms.

Photography

An official photographer will be on site during the Conference and Gala Dinner.

Images captured may be used in future EEC printed or digital collateral and promotions.

Please inform the photographer if you do not wish to be photographed.

Program

See pages 12–17 for the detailed Conference program or check the program boards in the Exhibition Hall.

Presentations

A link to the presentations from the Conference speakers (who have given permission) will be sent to all attendees in a post event email by Friday 30 November.

Toilets

Toilets are located adjacent to the Exhibition Hall.

Wi-Fi

Free wireless internet is available for Conference attendees.

To connect to the Sofitel Wi-Fi network, please use the following log-in details:

Username: **SOFITEL_Conference**

Code: **NEEC18**

Exhibition

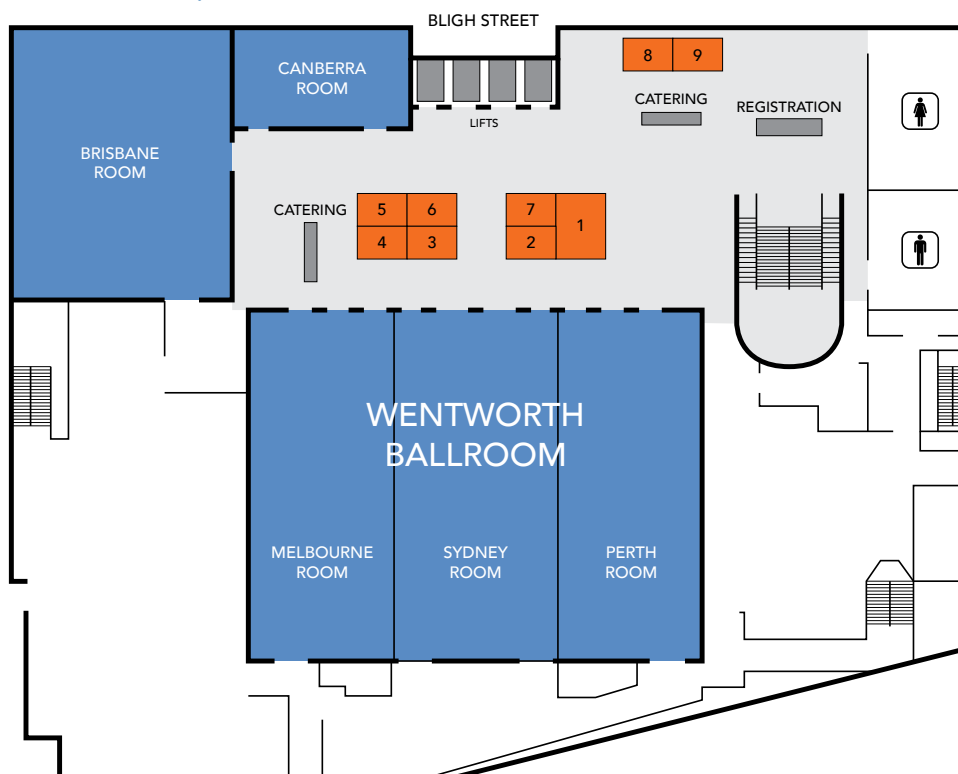
We encourage all delegates to take the time to explore the exhibition and chat with exhibitors, who represent a range of energy efficiency product suppliers and service providers.

Our 2018 exhibitors are:

- 1 NSW Office of Environment & Heritage
- 2 Simble
- 3 Epson
- 4 Resource Intelligence
- 5 Kingspan
- 6 Nulux
- 7 Signify
- 8 Energy Efficiency Expo
- 9 Energy Efficiency Council

This year we'll be running an exhibitor bingo, with a prize being drawn during the closing comments of the Conference. To be eligible to win, delegates must have approached all exhibitors and obtained a stamp next to each exhibitor logo on their bingo form.

Venue Floorplan



National Energy Efficiency Conference

2018 speakers & chairs



Prof Peter Hennicke
Wuppertal Institute for Climate,
Environment & Energy (Germany)
[@PeterHennicke](#)



Matt Golden
Open Energy Efficiency (USA)
[@goldenmatt](#)



The Hon. Gabrielle Upton MP
NSW Minister for Environment & Heritage
[@gabrielleupton](#)



Dr Takao Sawachi
Building Research Institute (Japan)



Emma Herd
Investor Group on Climate Change
[@emmalherd](#)



The Hon. Mark Butler MP
Federal Shadow Minister for
Climate Change and Energy
[@Mark_Butler_MP](#)



Senator Tim Storer
Federal Independent Senator for South
Australia
[@storertim](#)



Monica Barone
City of Sydney
[@cityofsydney](#)



David Nemptow
Office of Energy Efficiency and
Renewable Energy (USA)
[@ENERGY](#)



Merrily Hunter
MAC Energy Efficiency Group



Ken Morrison
Property Council of Australia
[@KenMorrison_](#)



Jon Dee
Arup
[@JonDeeOz](#)



Dr Alexander Zhivov
US Army Corps of Engineers ERDC (USA)
[@ArmyERDC](#)



Dr Cassandra Goldie
Australian Council of Social Service
[@cassandragoldie](#)



Prof Sergio Vega
Technical University of Madrid (Spain)



Violette Mouchaileh
Australian Energy Market Operator
[@AEMO_Media](#)



Prof Per Heiselberg
Aalborg University (Denmark)



Romilly Madew
Green Building Council of Australia
[@RomillyMadew](#)

National Energy Efficiency Conference

2018 speakers & chairs



Dr Cheryl Desha
Griffith University
[@Cheryl_Desha](#)



Dr Peter Holzer
Institute of Building Research & Innovation
(Austria)



Prof Bjarne Olesen
Technical University of Denmark (Denmark)
[@DTUtweet](#)



Prof Liam O'Brien
Carleton University (Canada)
[@Carleton_U](#)



Louise Vickery



Dr Iain MacGill
UNSW Centre for Energy and
Environmental Markets
[@UNSW](#)



Francesca Muskovic
Property Council of Australia
[@FrankieMuskovic](#)



Dr Ian Hamilton
University College London (UK)
[@ucl](#)



Bridgette Carter
BlueScope Steel
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Azheem Haseeb
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Michael Snow
RMIT University
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Monika Kapsalis
Siemens
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Kylie Mills
BluKube Architecture



Michael Lord
Beyond Zero Emissions



Mike Rainbow
Ark Resources



Michael Wiener
Out Performers



Dr Dominique Hes
The University of Melbourne
[@Dominique_Hes](#)



Bradley Anderson
NSW Office of Environment & Heritage
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National Energy Efficiency Conference

2018 speakers & chairs



Holly Taylor
Energy Efficiency Council
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Tennant Reed
Ai Group
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Andrew Dunne
NABERS
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David Walsh
CIM Enviro
[@cimenviro](#)



Dr Kate Wilson
NSW Office of Environment & Heritage
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Rob Bellian
Signify
[@Signifycompany](#)



Dr Michelle Zeibots
University of Technology Sydney
[@mzeibots](#)



Luke Brown
Lyon Group
[@lukekevinbrown](#)



Will Tait
Future Crunch
[@future_crunch](#)



Brendan Morling
Energy Security Board



Joel Dignam
Better Renting
[@BetterRentingAU](#)



Jodi Newcombe
Carbon Arts
[@carbon_arts](#)



Michael Di Russo
Clean Energy Finance Corporation
[@CEFCAus](#)



Alice Cahill
NSW Office of Environment & Heritage
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Jacek Lepiec
Signify
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Chris Collins
City of Sydney
[@cityofsydney](#)



Bruce Precious
Six Capitals Consulting



Carlos Flores
NABERS
[@CarlosFloresLen](#)

National Energy Efficiency Conference

2018 speakers & chairs



Matt Wilkin
Energetics
[@energetics_au](#)



Karla Paeglis
Energy Efficiency Council
[@EECouncil](#)



Luke Menzel
Energy Efficiency Council
[@lukemenzel](#)



Rob Murray-Leach
Energy Efficiency Council
[@rmurrayleach](#)



David Pryor
NSW Office of Environment & Heritage



Warner Priest
Siemens
[@Siemens_Aus](#)



Sam Burke
Victorian Department of Treasury
and Finance



Ric Brazzale
Green Energy Markets

Thank you to all our speakers and session chairs

The Energy Efficiency Council (EEC) extends warm thanks to all speakers and session chairs who have contributed significant time and expertise to help create a dynamic and engaging Conference program.

In lieu of speaker gifts, the EEC has made a modest donation to Engineers Without Borders (EWB) Australia.

Engineers Without Borders Australia's vision is for everyone to have access to the engineering knowledge and resources required to lead a life of opportunity, free from poverty. EWB works in Australia and overseas to connect, educate and empower people through humanitarian engineering.

Their operations include work with indigenous and Torres Strait Islander communities in Australia, school outreach in regional and rural areas to encourage young Australians to take up technical career pathways, research and educational study programs for engineering students, as well as overseas capacity building placements in Timor-Leste, Cambodia and Vietnam.



Energy Saver

Cut energy costs for NSW businesses



We help make businesses more productive

We provide expert advice, access to information, training and practical tools, and financial resources and incentives to reduce your business's energy consumption.

- discounts on upgrading lights and appliances to energy efficient products
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- access NSW Government incentives through the Energy Savings Scheme
- help businesses identify potential energy savings across different technologies and industries
- help businesses manage and monitor electricity and gas use



To find out more visit us at
energysaver.nsw.gov.au/business

A man in a dark apron is holding a bunch of green herbs in a vertical farm. The farm consists of multiple levels of metal racks with green plants growing in them. The background is a bright, modern interior with a grid of lights on the ceiling.

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in all three dimensions: Economic, Environmental and Social

Top scores (100/100) obtained in Environmental Reporting,
Operational Eco-Efficiency and Innovation Management

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Monday 19 November

8.00am	Registration and coffee (served in Exhibition Hall)
9.00am	Welcome from Energy Efficiency Council Prof Tony Arnel, President, Energy Efficiency Council
9.10am	Welcome from the Energy in Buildings and Communities Programme Dr Takao Sawachi, EBC Chair and Vice President, Building Research Institute (Japan)
9.20am	Germany wanted more renewable energy. So it put efficiency first. Germany is known as a global leader in the transition to renewables, but it recently decided to put "efficiency first". Professor Hennicke, one of the architects of Germany's energy transformation, will discuss the reasons for the shift and the potential lessons for Australia. Prof Peter Hennicke, Former President, Wuppertal Institute for Climate, Environment and Energy (Germany) Emma Herd, Chief Executive Officer, Investor Group on Climate Change Jon Dee, Founder and Managing Director, DoSomething Chair: Luke Menzel, Chief Executive Officer, Energy Efficiency Council
10.30am	Morning tea (served in Exhibition Hall)
11.00am	The Hon. Gabrielle Upton MP Minister for the Environment & Heritage
11.15am	What's driving the buildings revolution? Buildings are being transformed by new goals to boost the health of occupants, lower emissions and reduce maintenance costs. This session will bring together global and local leaders to look at the drivers that will change our cities. Dr Cassandra Goldie, Chief Executive Officer, Australian Council of Social Service Joel Dignam, Director, Better Renting Azheem Haseeb, General Manager Building Technologies Division, Siemens Ken Morrison, Chief Executive Officer, Property Council of Australia Dr Takao Sawachi, EBC Chair and Vice President, Building Research Institute (Japan) Chair: Rob Murray-Leach, Head of Policy, Energy Efficiency Council
12.30pm	Lunch (served in Exhibition Hall)
1.00pm	Lunchtime session <i>Built to Perform: Report by ASBEC and ClimateWorks</i> (Melbourne Room)

SIEMENS

The National Energy Efficiency Conference 2018 is presented in collaboration with the International Energy Agency's Energy in Buildings and Communities Programme.



Monday 19 November

	BUILDING STREAM A Perth Room	BUILDING STREAM B Sydney Room	INDUSTRIAL STREAM Melbourne Room
1.30pm	<p>Campuses as the vanguard of efficiency</p> <p>Higher education is becoming a leader in energy efficiency – not only teaching the next generation of experts, but also demonstrating what is possible in precinct efficiency.</p> <p>Michael Snow, Senior Program Manager – Sustainable Urban Precincts Program, RMIT University</p> <p>Dr Alexander Zhivov, Senior Research Engineer, Energy Branch US Army Corps of Engineers ERDC – CERL (USA)</p> <p>Prof Sergio Vega, Professor, Technical University of Madrid (Spain)</p> <p>Monika Kapsalis, Commercial Manager – Building Performance & Sustainability, Siemens</p> <p>Chair: Dr Cheryl Desha, Associate Professor, Griffith University</p>	<p>Naturally cool</p> <p>The world's leading experts in ventilative cooling will go beyond the spin to examine its role in commercial and residential buildings.</p> <p>Mike Rainbow, Associate Principal, Ark Resources</p> <p>Prof Per Heiselberg, Professor, Aalborg University (Denmark)</p> <p>Dr Peter Holzer, Senior Researcher and Partner, Institute of Building Research (Austria)</p> <p>Kylie Mills, Director, BluKube Architecture</p> <p>Chair: Francesca Muskovic, Policy Manager – Sustainability and Regulatory Affairs, Property Council of Australia</p>	<p>The cutting edge of energy management</p> <p>Learn from leaders about industrial energy management's growing focus on onsite renewables, PPAs, smart grids and demand response.</p> <p>Michael Wiener, Chief Executive Officer, Out Performers</p> <p>Bridgette Carter, Manager, Energy Sourcing & Utilisation, BlueScope Steel</p> <p>Michael Lord, Head of Research, Beyond Zero Emissions</p> <p>Warner Priest, Emerging Technologies – Data Energy Management, Siemens</p> <p>Chair: Louise Vickery</p>
2.30pm	<p>Buildings for people</p> <p>The way we design and operate buildings is based on assumptions about people's health and behaviour. Do we need to update these assumptions?</p> <p>Prof Bjarne Olesen, Professor, Technical University of Denmark (Denmark)</p> <p>Prof Liam O'Brien, Associate Professor in Architectural Conservation and Sustainability Engineering, Carleton University (Canada)</p> <p>Dr Dominique Hes, Senior Lecturer in Sustainable Architecture, University of Melbourne</p> <p>Chair: Dr Cheryl Desha, Associate Professor, Griffith University</p>	<p>Next gen building rating and modelling</p> <p>Learn how better measurement and modelling tools are about to revolutionise the way that we design and manage buildings.</p> <p>Andrew Dunne, Head of Development and Innovation, NABERS</p> <p>David Walsh, Chief Executive Officer, CIM Enviro</p> <p>Dr Ian Hamilton, Reader in Energy Epidemiology, University College London (UK)</p> <p>Chair: Francesca Muskovic, Policy Manager – Sustainability and Regulatory Affairs, Property Council of Australia</p>	<p>Engaging energy users</p> <p>What does Australian industry's energy use and capacity look like, and what are the implications for service providers and policy makers?</p> <p>Tennant Reed, Principal National Adviser, Australian Industry Group</p> <p>Holly Taylor, Senior Advisor, Policy and Partnerships, Energy Efficiency Council</p> <p>Bradley Anderson, Program Manager, Energy Management Services Sustainability Programs, NSW Office of Environment & Heritage</p> <p>Chair: Louise Vickery</p>

Monday 19 November

3.30pm Afternoon tea (served in Exhibition Hall)

4.00pm Cities of the Future



Cities are far more than individual buildings – this session will bring together leading voices to look at trends in urban design, public lighting and transport, and what this will mean for the future of cities and buildings.

David Nemtzw, Building Technologies Office Director, Office of Energy Efficiency and Renewable Energy (USA)

Romilly Madew, Chief Executive Officer, Green Building Council of Australia

Rob Bellian, Public Sector & Emerging Lead, Signify

Dr Michelle Zeibots, Research Director, Institute for Sustainable Futures, University of Technology Sydney

Chair: Dr Kate Wilson, Executive Director, Communities and Greater Sydney, NSW Office of Environment & Heritage

5.30pm Networking drinks (served in Exhibition Hall)

6.00pm Energy Efficiency Council AGM (Brisbane Room – EEC members only)

7.30pm Gala Dinner & National Energy Efficiency Awards 2018 (Wentworth Ballroom)

The National Energy Efficiency Awards celebrate excellence, innovation and leadership in energy efficiency. The winners of the National Energy Efficiency Awards 2018 will be unveiled in this memorable Gala Dinner. It is an excellent opportunity to network with colleagues, friends old and new, and Australia's most innovative energy users.

Tickets to the Gala Dinner are included in Full Conference registrations. If you have not registered for the dinner, but wish to attend, please contact the EEC team at the registration desk to check availability and to book your place.

Nulux Energy – Gala Dinner sponsor

Nulux Energy focuses on applying technologies that reduce the consumption of electrical energy to benefit our customers in the commercial and industrial sectors. Nulux is the exclusive Australian distributor of the PowerSines range of energy hubs, voltage optimisers and motor controllers. Our technology-driven solutions reduce and optimise our customers' energy usage – lowering energy and maintenance costs, extending electrical equipment lifetimes and enhancing profitability. We search the world for the most effective and appropriate technologies and have introduced several new products to the Australian market after testing their effectiveness and suitability for Australia.



Join the
conversation

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Nulux Energy is an environmental technology

leading energy saving technologies to the Australian market.

We conduct our own R&D program to develop and refine new technologies for both consumers and the electricity grid. Our head office is located in Barangaroo, Sydney and we have an engineering and manufacturing centre in the Illawarra.

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SinuMEC – Sinusoidal Motor Efficiency Controller – Up to 40% Saving of electricity.



COMMERCIAL SITES

ComEC – Universal Energy Controller cuts electric costs by around 10% on mixed loads



NEW! ENERGY HUB

Sophisticated energy saving platform: metering, sensors, analytics, machine learning



ENERGY MANAGEMENT SYSTEMS

Monitor & optimize energy usage and savings for your facilities across Australia or globally



GRID SOLUTIONS

Through EcoJoule Energy we develop and manufacture new Australian technology to improve the stability and efficiency of our grid under increased solar load.

KEY PARTNERS



energy efficiency
COUNCIL
CORPORATE MEMBER



Australia-Israel
Chamber of Commerce



PowerSines
Smart Energy Efficiency



EKM METERING



SATEC
Powerful Solutions

Tuesday 20 November

8.00am	Registration and coffee (served in Exhibition Hall)		
9.00am	Energy Efficiency Council special announcement		
9.10am	So Hot Right Now! How to make efficiency desirable While engineers, managers and policy makers have a critical role in delivering energy efficiency, we're not always experts in communication. This session will bring together leaders in marketing, music and the arts to look at how we can get politicians, businesses and households excited about energy efficiency. Luke Brown , General Manager, Corporate Affairs, Marketing and Stakeholder Relations, Lyon Group Jodi Newcombe , Founding Director, Carbon Arts Will Tait , Musical Philosopher, Future Crunch Chair: Rob Murray-Leach , Head of Policy, Energy Efficiency Council		
10.10am	Morning tea (served in Exhibition Hall)		
10.45am	Energy markets and energy management Our energy markets are transforming rapidly, as energy management becomes a key tool to keep the lights on and energy affordable. This session will bring together key regulators and experts on the ways that demand response and energy efficiency are going to be integrated into energy markets. Dr Iain MacGill , Associate Professor, Centre for Energy and Environmental Markets, University of New South Wales Violette Mouchaileh , Group Manager – Market Enhancements, AEMO Brendan Morling , Project Director, Energy Security Board Matt Golden , Chief Executive Officer, Open Energy Efficiency (USA) Chair: Rob Murray-Leach , Head of Policy, Energy Efficiency Council		
12.15pm	Lunch (served in Exhibition Hall)		
1.15pm	Energy efficiency schemes and incentives Perth Room Get the latest insights into the current state of play and future of Australia's energy efficiency schemes and incentive programs. Ric Brazzale , Managing Director, Green Energy Markets David Pryor , Senior Team Leader, Sustainability Programs, NSW Office of Environment & Heritage Matt Golden , Chief Executive Officer, Open Energy Efficiency (USA) Chair: Merrily Hunter , Managing Director, MAC Energy Efficiency Group	What is the role of training in energy management? Sydney Room For a major revolution in Australia's energy efficiency, who do we need to train, what skills do they need, and when is training not the answer? Matt Wilkin , General Manager, People and Culture, Energetics Dr Cheryl Desha , Associate Professor, Griffith University Bruce Precious , Principal Consultant, Six Capitals Consulting Carlos Flores , Head of Program, NABERS Chair: Karla Paeglis , Manager, Sector Development, Energy Efficiency Council	Upgrading public buildings and infrastructure Melbourne Room What are the trends in upgrading public buildings and infrastructure and how do we accelerate them? Michael Di Russo , Associate Director, Corporate and Project Finance, Clean Energy Finance Corporation Chris Collins , Senior Manager, Green Infrastructure, City of Sydney Jacek Lipiec , Product Manager, Outdoor Lighting Solutions, Signify Sam Burke , Director, Land and Property, Victorian Department of Treasury and Finance Chair: Alice Cahill , Manager Strategic Delivery, NSW Office of Environment & Heritage

Tuesday 20 November

2.30pm Afternoon tea (served in Exhibition Hall)

3.00pm **What is energy efficiency's political future?**

While homes and businesses are turning to smarter energy use, policy progress has been mired in Australia's toxic energy debate. The EEC's CEO will engage three political leaders with the question: how we can get our country back on track with energy efficiency?

The Hon. Mark Butler MP, Federal Shadow Minister for Climate Change and Energy

Senator Tim Storer, Independent Federal Senator for South Australia


Monica Barone, Chief Executive Officer, City of Sydney

Chair: Luke Menzel, Chief Executive Officer, Energy Efficiency Council


4.15pm **Closing comments**

4.30pm Networking drinks (served in Exhibition Hall)

5.00pm **Conference close**



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to reduce their energy footprint
leveraging affordable IoT solutions**

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New briefing for Aussie businesses getting on with the energy transformation

There is an enormous amount of information on energy in the public domain – so much, in fact, that it can be hard for business leaders to cut through the noise and work out what matters for their organisations.

That's why the Energy Efficiency Council has released a new flagship document: *Navigating a dynamic energy landscape: A briefing for Australian businesses* – a first-of-its-kind resource for directors and senior executives.

In yet another year dominated by the firehose of energy news and debate over energy policy, it's worth taking a step back and reflecting on why this practical, up-to-date briefing for Australia's business community on our energy transformation is so important.

The energy landscape for business has fundamentally changed

2017 was an extraordinary year in energy. Long-run trends that had been playing out in our energy system over many years came to a head in both electricity and gas markets. Concerns around cost and reliability reached fever pitch and the political debate hit boiling point, kickstarting a wave of reviews and reforms.

That story is familiar; it played out in the papers. The tumultuous public conversation was mirrored by concerned discussion in boardrooms around the country. Many businesses had been recalibrating their energy strategy over a number of years, quietly ramping up interest and investment in energy efficiency, renewables and demand management. Many more started that process in earnest in 2017, as costs surged and businesses moved to take control of their energy position.

It was mid 2017 when the Energy Efficiency Council was approached about the ways we could support businesses to navigate this more dynamic energy landscape. While approaches came from different quarters – EEC members, businesses, their industry associations and governments – there was a consistent story. Senior executives and directors without a background in energy were finding a big gap. At one end of the spectrum was the news article in the Financial Review they read each morning with their coffee; at the other end the hundreds of pages of analysis generated by bodies like AEMO.

It became clear that there was a need for something in between – a practical, approachable briefing on the drivers for the transformation taking place in Australia's energy markets, how those drivers play out in business energy bills, and the options that businesses have to take control of their energy position.

Navigating a dynamic energy landscape

This brings me to the energy briefing. *Navigating a dynamic energy landscape: A briefing for Australian businesses* aims to cut through the noise and provide business leaders with an up-to-date, accessible discussion of these topics. At its heart, it makes two crucial points:

- The trends and technology driving the transformation – the move to a low carbon, distributed, responsive energy system – are the same ones businesses can leverage to take control of their energy position.
- There are businesses that are on the front foot, leading on energy strategy and demonstrating the big benefits of a proactive approach to energy management, investment and procurement.



- **The trends and technology driving the transformation – the move to a low carbon, distributed, responsive energy system – are the same ones businesses can leverage to take control of their energy position.**
- **There are businesses that are on the front foot, leading on energy strategy and demonstrating the big benefits of a proactive approach to energy management, investment and procurement.**

At the Energy Efficiency Council we have a deep interest in how the demand side can solve problems for businesses. However, the briefing is not just focused on energy efficiency and demand response. At a strategic level, businesses don't think in terms of supply and demand, or energy efficiency and renewables. They think in terms of energy solutions, and how they are aligned with their broader strategic goals.

To that end, the briefing covers the crucial role of energy information and analytics, and how robust data and monitoring can underpin strategic engagement and investment across:

- energy efficiency;
- renewable energy (onsite and offsite);
- demand management, including demand response; and
- smart energy contracting.

Telling the story of a transforming energy system – and what it means for business

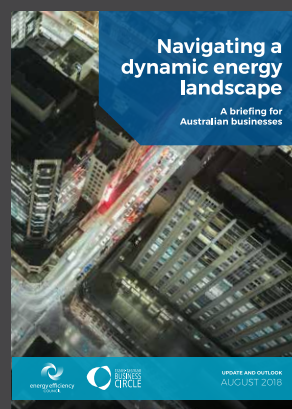
We launched the first version of the energy briefing in August, but we won't stop there. The landscape is dynamic, so this document needs to be as well. We will listen carefully to feedback and update this document every six months – and more often if necessary – to ensure that our analysis and advice is current, relevant and meets the needs of Australian businesses as they navigate a more dynamic energy landscape.

We want to get the energy briefing into as many hands as possible. Share it with your colleagues, clients and professional network. And let us know your thoughts on edition one, because we want edition two to be even better.

The journey is just getting started.

Menzel

Luke Menzel
CEO, Energy Efficiency Council



Download your copy of *Navigating a dynamic energy landscape* at energybriefing.org.au.

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for( d=0 ; d < m ; d++)  
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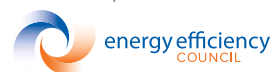


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Acknowledgements

Our Conference is being held on the traditional lands of the Gadigal people of the Eora Nation and we wish to acknowledge them as Traditional Owners of this land and pay our respects to their Elders, past and present.

Thank you to the speakers, session chairs and panellists who have freely contributed their time and expertise to ensure the Conference program is challenging, informative and reflects the big issues currently facing the sector.

Thank you especially to the IEA EBC's Executive Committee who have helped bring a truly global perspective to this year's Conference, and to the following individuals:

- **Charlie Knaggs**, Principal, Energy & Carbon, Point Advisory
- **Malcolm Orme**, IEA EBC Executive Committee Secretary
- **Stanford Harrison**, Director, Commercial Buildings at Department of the Environment and Energy
- **Carlos Flores**, National Program Manager, NABERS
- **Dr Takao Sawachi**, Vice President, Building Research Institute
- **Prof Paul Ruyssevelt**, Chair of Energy & Building Performance, UCL Energy Institute
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- **Mick O'Flynn**, Strategic Delivery Manager, Sustainability Programs Branch, NSW Office of Environment & Heritage
- **Helen Sofele**, Manager, Energy Efficiency Policy, Victorian Department of Environment, Land, Water and Planning

Thank you to the NSW Office of Environment & Heritage which has made a significant contribution, as Major Partner, to the development of quality content for the Conference program, and whose leadership in energy efficiency is driving the Australian energy efficiency sector forward.



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- **Cheryl Desha**, Director, Engagement (Industry), Griffith School of Engineering and Built Environment
- **Jason Harrison**, State Manager NSW, Airmaster
- **Matthew Clark**, Director, Common Capital
- **Rob Murray-Leach**, Head of Policy, Energy Efficiency Council

Plus:

- Leading Energy user category: **Andrew Richards**, Chief Executive Officer, Energy Users Association of Australia
- Integrated Clean Energy category: **Peter Haenke**, Energy Productivity Manager, ARENA, and **Scott Beltman**, Strategy Officer, ARENA
- Commercial buildings category: **Shauna Coffey**, Head of Projects, Energy Efficiency Council

**The next National Energy
Efficiency Conference will
take place in early 2020.
Stay tuned for details!**

Energy Efficiency Council members' ongoing support and input enables the Council to work towards its goals of building the market for energy efficiency products and services, ensuring that energy efficiency is implemented with excellence and accountability, and establishing energy efficiency as the pre-eminent measure for carbon mitigation.

Special thanks to EEC Sponsor Members who have made a significant contribution towards reaching these goals.

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