



9.00am A TIME FOR ACTION

Welcome Address - Steve Blume, Smart Energy Council
Welcome to Country - Aunty Ann Weldon, Metropolitan Local Aboriginal Land Council
 Zali Steggall, Independent Member for Warringah (Invited)
Can Solar PV save the World? - Martin Green, Aust Centre for Advanced Photovoltaics, UNSW
Global Smart Energy Outlook - Kobad Bhavnagri, Bloomberg New Energy Finance
Scaling Up Climate Action: Urgency and Opportunities for a Transformation in line with the Paris Agreement - Ursula Fuentes Hutfilter, Climate Analytics
Strong Economy, Clean Environment - John Grimes, Smart Energy Council

10.45am MORNING TEA

11.15am MARKET TRENDS & FORECAST

What's happening in the Renewable Energy Target - Mark Williamson, Clean Energy Regulator
The outlook for electricity prices and new supply - David Leitch, ITK Services
Outlook for Electricity Markets - Tristan Edis, Green Energy Markets
Changing landscape of the Australian Energy Mix - Challenges and Solutions - Deepak Nayak, Sungrow Australia
Trends in the large-scale renewables market - Sarah Morton, Green Energy Markets
An overview of the Australia Utility PV Market - David Dixon, Rystad Energy
CleanCo in 2020 and beyond: Queensland's clean energy future - Maia Schweizer, CleanCo

12.45pm LUNCH

1.45pm FINANCE & INVESTMENT: WHERE IS THE MONEY FLOWING?

Smart Energy Financing Trends - Ian Learmonth, CEFC
Global trends in electricity markets - Tim Buckley, IEEFA
Delivering the first NSW Renewable Energy Zone - Chloe Hicks, NSW Department of Planning, Industry and Environment
Investing In Distributed Energy – Solar & Battery - Philip Graham, CleanPeak Energy
How renewable energy projects can boost regional communities - Michelle Holmes, ACCIONA
Decentralising Australia's Renewable Energy Generation - Patrick Broughton, Yates Electrical Service

3.00pm AFTERNOON TEA

3.30pm MAKING THE GRID FIT FOR PURPOSE

Building a Responsive Grid - Gabrielle Kuiper, Energy Security Board
Local energy and climate change resilience - Mark Byrne, Total Environment Centre
How to achieve high DER penetration and support the networks - James Sturch, Sonnen Australia
Barrelling towards a more decentralised future: what do we need to know? What can we learn from solar PV data? - Naomi Stringer, UNSW
Reducing power bills and emissions with renewables - Alex Miller, Obus Super Fund

4.45pm CLOSE

11:00am ENERGY STORAGE: MARKET REVIEW & APPLICATIONS

Energy Storage Market Review - Oliver Yates, Bronze Boar Investments
Market Review - Dong Lin, Alpha ESS Australia
Update on Australian Battery Performance Standard Development - Anand Bhatt, CSIRO Energy
Concentrated Solar Thermal: A Cost-effective Solution to Australia's Future Energy Needs - Ildo Agnetti, John Cockerill Energy
Pumped Hydro Storage and 100% Renewables - Andrew Blakers, Australian National University
Global Battery Market Trends - Ned Yu, Pylontech

12.30pm LUNCH

1.30pm TECHNOLOGY INNOVATION

Electric vehicles: how it will challenge everything we know about energy, property and transport - Tim Washington, Jet Charge
Are Batteries, VPP's and EV charging stations a match made in heaven? - James Allston, New Energy Ventures
Enabling the distributed energy system of the future - Ben Hutt, Evergen
Future trends and forecasts in energy storage - Mohammed Farid, The University of Auckland
Virtual Power Plant Utility Case Studies: Field-tested Distributed Intelligent Network Microgrid Solutions - Catherine Von Burg, SimpliPhi Power

2.45pm AFTERNOON TEA

3.15pm TECHNOLOGY INNOVATION

The Bright Future of Solar Energy - a Solar Revolution - Kylie Catchpole, ANU
Battery Economics in 2020 - Alex Georgiou, ShineHub
Thermal Energy Storage - Stephanie Moroz, Davanz
Balancing Large Renewables with Pumped Hydro - Simon Kidston, Genex Power
Redox Flow Batteries for Renewable Energy Storage - Chris Menictas, CENELEST UNSW

4.30pm CLOSE

9.00am MARKET OUTLOOKS & TRENDS

Rich Solar Data and Market Trends - Nigel Morris, Solar Analytics
The Outlook for Rooftop Solar - Ric Brazzale, Green Energy Markets
Solar Market Trends and Outlook - Warwick Johnston, SunWiz
Market Trends in Financing - Katherine McConnell, Brighte Capital
Dissecting the Cost of Quality Solar in Australia - Andrew Mitchell, Enphase

10.45am MORNING TEA

11.15am MONITORING, COMMUNICATIONS & CONTROL

Streamline your solar business with GreenDeal - Alva Xing, GreenDeal
Microgrids: Here to Stay - Bobbi McKibbin, Solar Integrity
Energy Transition, Network stability and the role of hot water storage - Jason de Jong, CATCH Power
Selling Solar into the NEM to maximise your FIT - Andrew Randall, Metropolis Metering
One step closer to energy independence - Rex Wang, Growatt
Wireless current transformers. What are the options and why aren't we all using them? - Stuart Fordyce, AC Solar Warehouse

12.45pm LUNCH

1.45pm BATTERY STORAGE & PRODUCT LIFE CYCLE

Standards Update - Glen Morris, Solar Quip
Battery Quality for Long Term Value - Philip Crotty, LGChem
Economic Analysis of Batteries - Dong Lin, Alpha ESS
Battery Market Trends and Future Projections - Emma Fagan, Tesla

3.15pm AFTERNOON TEA

3.45pm HIGH GRID VOLTAGE & SOLUTIONS

Fronius solutions for high grid voltage - Sebastien Ng, Fronius
High Grid Voltage: Stopping Solar - Richard McIndoe, Edge Electrons
Managing high renewable penetration into networks - Terese Milford, Energy Queensland
Network protection and the latest DNSP standards - Dane Muldoon, Supply Partners

4.45pm CLOSE



SMART ENERGY SOLUTIONS

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HYDROGEN 2020

PROFESSIONAL DEVELOPMENT INSTALLER

9.00am SMART ENERGY POLICY

Doing the heavy lifting – states, territories and the climate crisis - Simon Corbell, Energy Estate

Victorian Government's renewable energy and climate policies - Lily D'Ambrosio, Minister for Energy, Environment and Climate Change and Minister for Solar Homes

NSW Smart Energy Policy - Matt Kean, NSW Minister for Energy and Environment (Invited)

Smart Energy in Queensland - Anthony Lynham, Qld Minister for Natural Resources, Mines and Energy (Invited)

ACT - 100% Renewables in 2020 - Shane Rattenbury, ACT Minister for Climate Change and Sustainability

Where are we up to? The role of cooperative federalism in making Australia a renewable energy exporting superpower - Scott Hamilton, Australian-German Energy Transition Hub

10.45am MORNING TEA

11.15am MAKING THE GRID FIT FOR PURPOSE

Putting Customers at the Centre - Lynne Gallagher, Energy Consumers Australia

The Engineering Has Been Solved - James Hunt, Schneider Electric

Beyond Real-Time monitoring - Paul Liddell, Redback Technologies

The role of distributed PV and storage system in supporting the grid - Siewn Chun Ng, Aiswei New Energy

Virtual Power plants. The death of coal? - Sid Shaheed, Discover Energy

Virtual power plants on the distribution network level: A cornerstone for prosumer participation in tomorrow's energy system - Andrew Mears, SwitchDin

12.45pm LUNCH

1.45pm MANAGING THE SMART ENERGY TRANSITION

Simon Holmes à Court, Melbourne University, Energy Transition Hub

Decarbonisation of Heavy Industry - Vincent Dwyer, Energy Estate

Extracting Value for Customers in the Smart Energy Transition - Maria Atkinson, Power Ledger

How today's communities are helping shape tomorrow's energy market - Margarida Pimentel, Mondo

The Energy Data Game: How do we balance consumer data rights, security, cybersecurity, and privacy while achieving intelligent grids? - Grant Young, Wattwatchers Digital Energy

3.00pm AFTERNOON TEA

3.30pm CORPORATE LEADERSHIP: GETTING ON WITH BUSINESS

Australian Corporates Action on Energy Efficiency & Renewables - Jon Dee, RE 100 Australia

360 Degree Sustainability - Dr Kate Ringvall, Ikea

4.30pm CLOSE

9:00am HYDROGEN: THE ZERO-CARBON FUEL

Power to X - Martin Hablutzel, Siemens

Development of Green Ammonia Value Chain between Australia and Japan - Sam Muraki, Green Ammonia Consortium (via Video)

The next great Australian export - Senator Andrew Bragg, Parliament of Australia
Darren Miller, ARENA (Invited)

Forming Australia's Hydrogen Industry Cluster - Jill Stajduhar, NERA

Australia's Opportunity - Rebecca Burdon, Energy Transition Hub

Hydrogen Traceability and Certification with new technologies - Laszlo Peter, KPMG

10.30am MORNING TEA

11:00am HYDROGEN MARKET UPDATE

ACT Government and Hydrogen - Shane Rattenbury, ACT Minister for Climate Change and Sustainability

Global Hydrogen Market Overview - Karan Bagga, Thyssenkrupp

Scaling electrolysis and renewable hydrogen - Neil Thompson, ITM Power (Invited)

Skills in a developing industry - Lance McCallum, Just Transition Group

Hydrogen Fuel Cell Update - Craig Knight, Horizon Fuel Cell Technologies

ARENA and Renewable Hydrogen - Matt Walden, ARENA (Invited)

12.30pm LUNCH

1.30pm AUSTRALIA – A RENEWABLE HYDROGEN SUPERPOWER

Asian Renewable Energy Hub - Alex Hewitt, CWPR

Green Hydrogen and Ammonia: Scaling up commercialisation - Attilio Pigneri, H2U

Developing Community Trust in Hydrogen - Peta Ashworth, University of Queensland

What does the future hold for the Hydrogen Economy? - Noel Dunlop, ANT Energy Solutions

2.30pm AFTERNOON TEA

3.15pm TECHNOLOGY IN CONTEXT

The International Energy Agency Hydrogen Technology Collaboration Program - Craig Buckley, Curtin University

Hydrogen in the Gas Network - Peter Harcus, Jemena (Invited)

Hydrogen for off-grid networks - Evan Gray, Griffith University

Scaling up Hydrogen Production - Zakieh Khorshidi, APS

Australian Skills and Training Programs - Kondo-Francois Aguey-Zinsou, UNSW

4.30pm CLOSE

9.00am VPP/BATTERY TEST/EVOLVING TECHNOLOGY

Uptake and management of distributed energy in remote microgrids: real world pilots - Andrew Blaver, Horizon Power

Lithium chemistries, construction types and advantages - Craig Hunter, PowerPlus Energy

Latest news on homes and businesses getting paid from wholesale energy markets - Luke Osborne, Stride Renewables

Global View on Evolving Technology - Hui Wu, GCL System Intergration Technology

Significance of Battery Performance Testing - James Sturch, Sonnen

10.45am MORNING TEA

11.15am SOLUTION SELLING & HOW TO AVOID CRAP SOLAR

How to sell if you are great at installing but crap at sales - Finn Peacock, Solar Quotes

Don't sell yourself short - Jake Warner, Penrith Solar Centre

The risk of micro cracks and hail – a panel manufacturer's perspective - Markus Lambert, LG

How taking a consultative approach builds trust & credibility and skyrockets sales - Carolyn Lee, The Energy Experts

Structural Considerations for Metal Roof Top PV Systems - Dustin Haddock, S5

12.45pm LUNCH

1.45pm PV MODULE INNOVATION & VALIDATION

Global Trends and Market Drivers - Longi Solar Presentation

Super Light Panels, New Market Opportunities - Thomas Bell, Sunman Solar

Half Cells, Poly on the decline? - Paul Scerri, REC Solar

Solar Panel Validation - Michelle Crosbie, Clean Energy Regulator

Correct usage of FLIR Cameras as a fault finding device - Blair Pester, WINAICO

3.15pm AFTERNOON TEA

3.45pm WORKING SAFELY IN THE SOLAR INDUSTRY

Business case for working safely in renewables - Peter Leeson, Leeson Group

The latest edge protection technology for solar installations - Erik Zimmerman, Echo Group Australia

Mental Health - Lily Pejkc, Sydney Solar & Batteries

4.45pm CLOSE