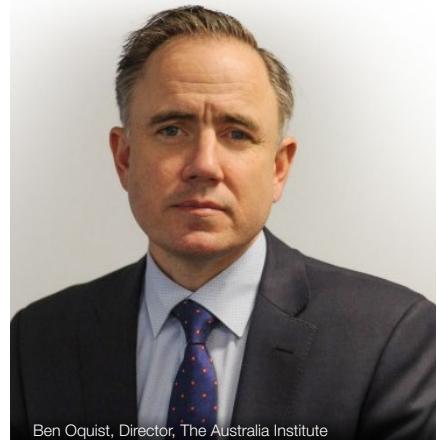


ADAM'S DISTILLERY, PERTH  
MARCH 19TH, 2019

PROGRAM

power  
to the  
paddock

# power to the paddock



Ben Oquist, Director, The Australia Institute

## ABOUT THE AGRI-ENERGY ALLIANCE (AEA)

Is a member group of likeminded farmers making and distributing power for the 21<sup>st</sup> century. Farmers by their nature, adapt and innovate to the landscape around them. All AEA members access their energy from renewable sources, some of which is installed on their own properties. The problem until now has been that farmers pay the same price for energy produced in their own paddock as energy produced at a power plant half a state away, even though the energy only passed from one paddock to the next!

The AEA has been working on a distribution model with technology experts and key industry stakeholders to:

Distribute on-farm generated energy to metering point within the farm boundary without the existing distribution cost

Diminishing peak energy demand and develop a voluntary energy demand/response format

Lessen total farm energy costs

## AGRI – ENERGY ALLIANCE LAUNCH AND CONFERENCE

### Media Launch

February 2019 – Mark Butler MP, Shadow Minister for Climate Change and Energy, announces the alliance and the *Power to the Paddock* conference to be held in March. Announcement to be made at a solar installation site.

Tuesday March 19<sup>th</sup> The AEA and the *Power to the Paddock* will be launched to all media (nationally).

Due to the ground breaking nature of the model and national interest in the energy sector, we are working with Berry Productions to ensure state and national media attention.

Purpose of the conference will be to:

Launch the AEA to the agricultural industry

Announce the Farmer Network Trial Project

Announce the results of a major National Energy Survey

Hear from Keynote Speaker and 4 x 'early adopter farmers' who have installed on-farm solar – see real-time system performance at each site

## CONFIRMED GUESTS INCLUDE:

Ben Oquist Executive Director,  
The Australia Institute – (inc, release  
of The National Energy Survey –  
*"what are people thinking in this  
Federal Election year"*

'Early adopter farmers'  
who have installed on-farm solar  
(see panels on last page)

Opportunity for participants to  
talk directly with investors and  
energy experts

**Next Generation:**  
*'What's in it for them'*  
Launceston Grammar Students

## CONFERENCE

The conference is expected to attract 200 Tasmanians from the agricultural and energy fields.

Visit our website and facebook page for tickets

## PROGRAMME



Keynote Speaker:  
Simon Holmes à Court

Simon Holmes à Court is senior advisor to the Energy Transition Hub at Melbourne University and sits on the board of the Smart Energy Council. He has been a pioneering force in the Australian community power movement, as the founding chair of Hepburn Wind, the country's first community owned wind farm, and founder of Embark Australia, a non-profit consultancy helping communities share in the benefits of local renewable energy.

- 8:30** Registration
- 9:00** 9:00 Mark Barnett, Welcome/acknowledgment to country
- 9:15** Ben Oquist, Director, The Australia Institute
- 9:20** Simon Holmes à Court, senior advisor to the Energy Transition Hub at Melbourne University and sits on the board of the Smart Energy Council
- 9:25** Q&A with keynote speakers, & Mark Barnett
- 10:00** Morning Tea
- 10:30** AEA Case studies Video | (Agri-Energy Alliance explained)
- 10:35** Energy Capacity Report | Making & using power on your farm
- 10:40** Q&A with Mark Barnett, and Early Adopters farmers: Kate Sutherland, Roderic O'Connor, Ken & Jill Lawrence & Andrew McLauchlan, moderated by Leanne Minshull
- 12:00** LUNCH
- 13:30** POWER TO THE PADDOCK  
AEA video / Opportunities in The Energy Market
- 15:00** Selling your excess power Q&A | moderated by Simon Holmes à Court
- 15:30** Farming for the Future, Charlie Prell, Farmers for Climate Action
- 16:00** Kids, Climate Action Tasmania | Presented by Launceston Grammar

## SPONSORS

The Agri-Energy Alliance thanks our sponsors:

GOLD



SILVER



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## CASE STUDIES

**VALMA**  
Poll Hereford, Poll Dorset and White Suffolk stud at Whitomore, Tasmania

**PROBLEM:**  
Uncontrolled power prices impacting farm productivity

**KEY DRIVERS**  
Getting control of energy costs has become critical prior to increase our irrigation capability. When managed and controlled, water and energy are our greatest productivity enhancers which allow us to grow more fodder on less ground at the right time, cost effectively.

Harvesting the Sun is the most reliable, risk free way to farm and one which we'll pass on to our sons.

**EXPERT PROCESS**

- Specialised business modelling resulting in a farm energy efficiency plan
- Managed system installation
- Ongoing real-time monitoring

**SOLUTION**  
99kW solar array ground mounted at the edge of a pivot circle.  
 → 300 x 300watt monocrystalline panels  
 → 3 x 27.5kW Fronius inverter



**OUTCOME**  
Oversize solar array providing scalable water / energy growth potential and farm flexibility.  
 → 6-year payback  
 → Providing surplus farm revenue when our boys are ready for high school

**Xenergy**  
[www.xenergy.net.au](http://www.xenergy.net.au) [mark@xenergy.net.au](mailto:mark@xenergy.net.au) 0409 023 140



Andrew and Caroline McLaughlan, Valma, Whitomore TAS



**FERMER DAIRY**  
900 Jersey cows, 425,000kgMS/year  
50-unit rotary - 236 hectares  
Winners of the 2014 Dairy Environmental Award

**PROBLEM:**  
Uncontrolled power prices impacting farm viability



Ken & Jill Lawrence - Fermer Dairy, Osmaston TAS

**EXPERT PROCESS**

- Detailed 'Whole of Farm' Energy Audit
- Specialised business modelling resulting in a short list of Energy Efficiency options
- Managed system installation
- Ongoing real-time monitoring

**SOLUTION**  
49.8kW solar array covering the entire dairy shed roof.  
 → 166 x 300watt monocrystalline panels.  
 → 1 x 50kW ABB inverter

CARBON OFFSET:	12,655 CO <sub>2</sub> /YEAR
YR1 COST SAVING:	\$11,838
25 YEAR SAVING:	\$392,722
PROJECT PAYBACK	4.8 YEARS

**Xenergy**  
[www.xenergy.net.au](http://www.xenergy.net.au) [mark@xenergy.net.au](mailto:mark@xenergy.net.au) 0409 023 140

## INFO AND TICKETS:

[@powertothepaddock](http://www.agrienergyalliance.net)



## VENUE: ADAM'S DISTILLERY

Hugging the South Esk River in pristine Northern Tasmania, amongst the established gardens and fields of Professor Berni Einoder, rests Glen Ireh Estate – the home of Adams Distillery, Est. 2015.

Built from the ground up, Adam and Adam have designed, developed and manufactured nearly every aspect of this truly unique and innovative distillery.

VENUE: ADAM'S DISTILLERY [www.adamsdistillery.com.au](http://www.adamsdistillery.com.au)