

# AGM MATTERS

- Welcome
- Confirm Quorum
  - 5% of the voting membership.
- Please sign on.
- Chair
- Apologies: Steve Blume, Ken Guthrie, Igor Skyrabin, Nicole Ghiotto, Emily Mitchell

# AGM MATTERS

Venue: Brisbane Convention and Exhibition Centre, Rooms; Plaza P1&2.

Time: 5:00pm – 5.40pm, Wednesday 9th December, 2015

## Agenda

1. Minutes of 2014 APVI AGM (Circulated Nov 22<sup>nd</sup>)
2. Business arising from Minutes
3. 2015 APVI Report of the Board (Chair)
4. 2015 APVI Treasurer's Report, including Remuneration Report and Financial Statements, Financial Position, Report of the Auditor, Statement of the Board
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# APVI AGM CHAIRS REPORT

**Renate Egan**

Chair, Australian PV Institute

IEA PVPS ExCo

# THE APVI

Objective:

*To support the increased development and use of PV via research, analysis and information*

Independent, apolitical and widely cited by the PV sector, governments and stakeholders

**IEA PVPS and IEA SHC representation for Australia**

# 2015 ACTIVITIES

## Projects

- Solar Map (2015)
- IEA representation (through to end 2018)
- COREM (2015-
- Consumer Advocacy Panel (continuous)
- Solar Research Conference

## International Energy Agency representation (PV and SHC)

- Analysis and Outreach (2018)
- High Penetration PV (2014)
- Reliability (2015)

## Submissions on behalf of industry

- Ergon and Energex (January)
- AER on Innovative Business Models (Feb)
- Ergon II (March)
- SAPN (June)
- ARENA on Large Scale Solar (September)
- Victorian Networks (December)

## Representations

- Renate with Jeanes&Holland
- Oliver w. Aus Institute and J Hewson

## Presentations

- Energy Globe Award (April)
- ASC Sydney Meet (May)
- AES Workshop (June)
- NSW Renew Energy Agency (June)
- NSW State of Solar (July)
- Task 13 OA meeting (Oct)
- Solar Map Workshop (Dec)
- Solar Research Conference (Dec)

## PARTNERSHIPS

**Energy Storage Alliance** – done. Benefit to APVI in promotion of our events and hosting workshop at Sydney Conference venue

**ISES** – done. Benefit to APVI in cross promotion of conferences and discount membership to ISES for APVI members

**CORENA** – looking for endorsement

**Community Renewables**, various approaches to the APVI for endorsement. I have asked for nomination by a member.

# Summary of Australian PV In

The International Energy Agency (IEA) has published the International Timelines for PV Systems, which led a survey of the industry in 2014 and supplemented by a survey of participants in 2015.

## Price Breakdown

The average cost of a 5kW system was A\$21,000. The distribution of prices was skewed towards the lower end, with 50% of respondents reporting a cost of A\$18,000 or less. The largest cost component was solar panels, followed by inverters and other hardware. Profit was also a significant component.

The leftmost graph shows the average 5kW system price for all countries surveyed. The values for all countries are relatively low, with most countries reporting a price of A\$18,000 or less. This is due to the fact that most countries have a high penetration of solar panels and a low cost of solar panels.



IEA INTERNATIONAL ENERGY AGENCY

**AUSTRALIAN PV INSTITUTE**

With support from

**ARENA**  
Australian Government  
Australian Renewable Energy Agency

**National Solar PV Power**

**PVPS**



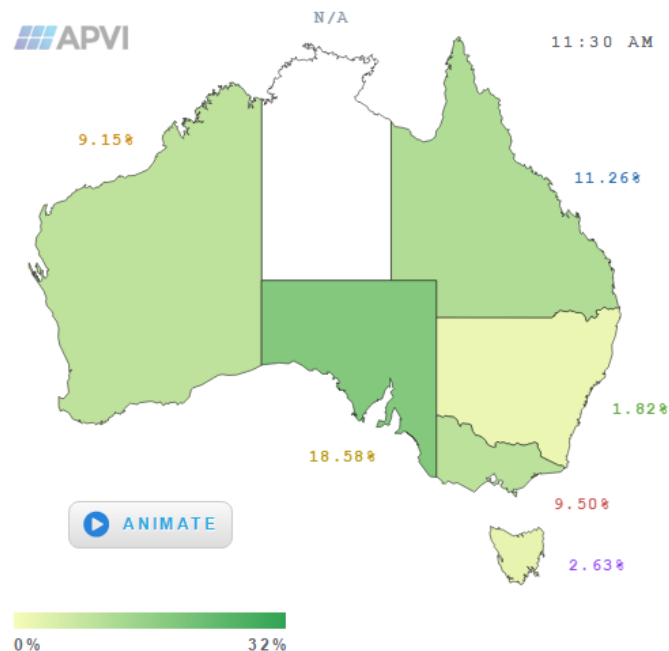
**IEA PVPS**

# Solar, New Energy

The APVI brings you an outstanding

Paul Fox, Head of 1

Scott Partlin, Global



MON, 14/12/2015 AT

**Solar Energy**

Summary

1. A
2. T
3. C

**20**

ASIA-PACIFIC  
8 DEC - 10 DEC 2015  
CENTRE, QUEENSLAND

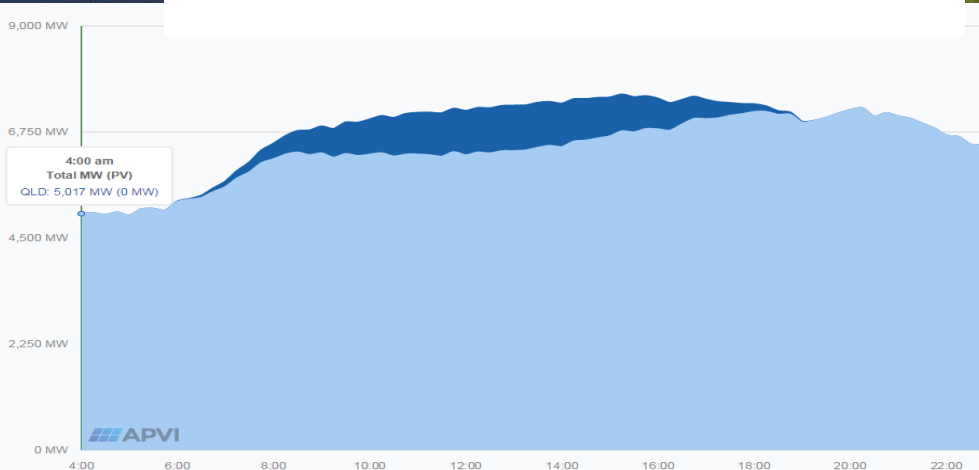
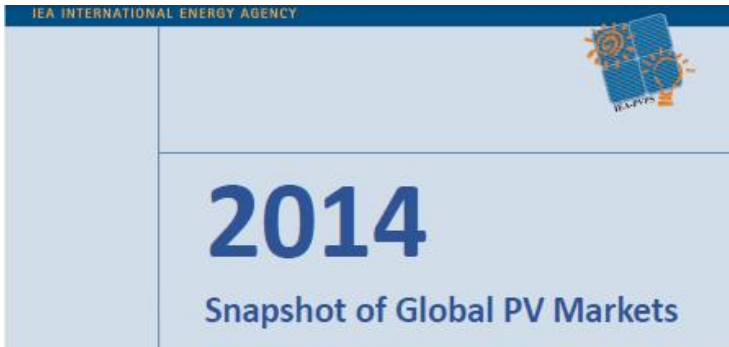


Chart displayed in your local time



International Trends in PV  
(September)



PV Snapshot (March)



PV Technology Roadmap



Life Cycle Inventories

Solar Impact on the Grid-  
spatial & temporal variations  
and Ramp Rates

PV Integration: impact on Power  
System Operation and  
Augmentation planning



IEA PVPS



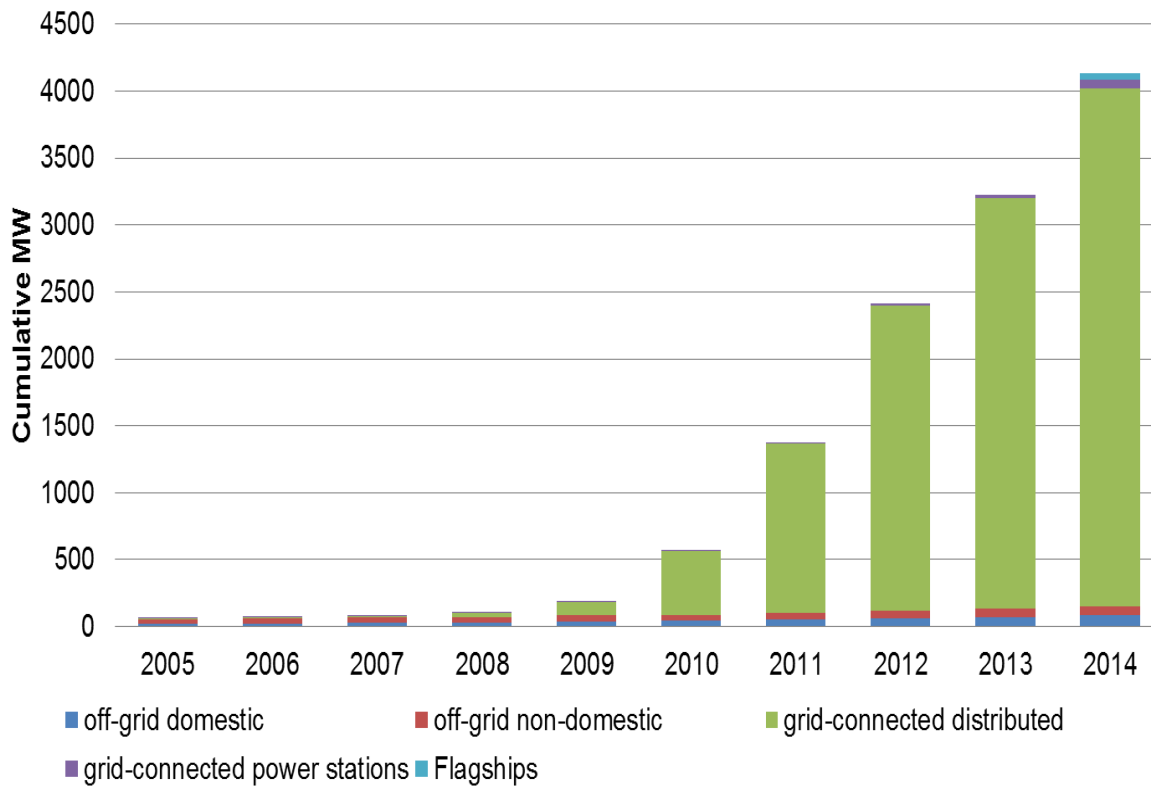
# Australian Installed Capacity

DEC 2014, 4.1 GW SOLAR CAPACITY

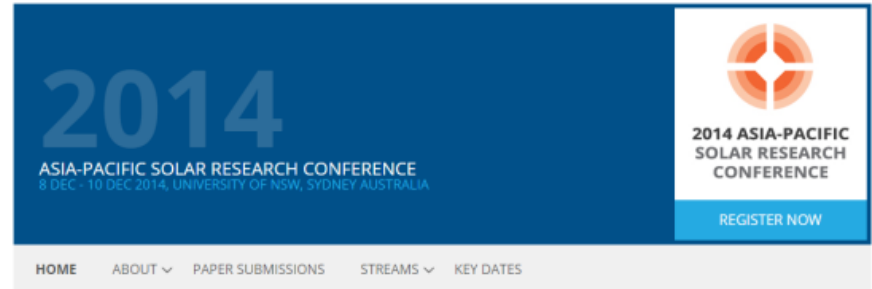
2015 OCTOBER > 4.7GW

## 2014


- **900MW installed/annum**
- **2.5% of electricity demand**
- **Average 16% penetration, now 19%**  
and over 50% in some areas
- Australian households invested **12 Billion dollars in solar since 2010**
- **>11,000** employed annually in solar PV in Australia (2013)



# 2016 CONFERENCE



2014  
ASIA-PACIFIC SOLAR RESEARCH CONFERENCE  
8 DEC - 10 DEC 2014, UNIVERSITY OF NSW, SYDNEY AUSTRALIA

  
2014 ASIA-PACIFIC  
SOLAR RESEARCH  
CONFERENCE

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2015  
ASIA-PACIFIC SOLAR RESEARCH CONFERENCE  
8 DEC - 10 DEC 2015, BRISBANE CONVENTION AND EXHIBITION  
CENTRE, QUEENSLAND.

  
2015 ASIA-PACIFIC  
SOLAR RESEARCH  
CONFERENCE

## 2016 PROJECTS, SUBMISSIONS, PRESENTATIONS, WORKSHOPS, CONFERENCES

- Australia's representation to IEA on PV and SHC
- Industry representation on policy and tariff reform
- 2016 Workshops – Hosting IEA TASK 1, Strategy and Outreach in Oct 2016
- 2016 Solar Research Conference – November 29-December 1, ANU, Canberra
- Solar in Urban Planning (SHC) (submitted)
- Performance and Reliability (IEA, pending)
- Solar Map Stage 2 (pending)
- Battery and Module recycling, with ABRI (pending)
- High penetration PV ( IEA, pending)
- Building Integrated PV (IEA, pending)
- Wind Load (pending)

# KEY CHALLENGES

## Maintaining Profile

- during change and in a politically charged environment

## Delivering Membership Value

## Funding

- In lower margin, lower volume market

## Resourcing

## Business Development

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## ELECTION OF 2015 BOARD AND OFFICE BEARERS

- 2015 Board Meetings in April, June, August

- The current APVI Board consists of

Nicole Ghiotto	Lyndon Frearson	Oliver Woldring
Igor Skyrabin	Olivia Coldrey	Renate Egan

- **Retiring:** Lyndon Frearson, Oliver Woldring, Igor Skyrabin , Renate Egan
- **Nominations:** Lyndon Frearson, Oliver Woldring, Igor Skyrabin , Renate Egan
- **Vote:**
- Chair and Executive Committee positions (current holder indicated in brackets)

Chair (Renate Egan)	Secretary (Emily Mitchell)
Treasurer (Rob Passey)	Public Officer (Igor Skyrabin)

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