



Australia Awards

# Australia Awards in Indonesia - Short Term Award Renewable Energy Technologies & Policy



*Policy Group visit to Infigen Energy's Capital Wind Farm*

## Key Elements:

- Pre course workshop 7 – 9 May in Makassar, including site visit to Tolo Wind Farm in Jenep-onto
- Two-week course in Australia 6 – 18 August at Griffith University in Brisbane. In-Australia program include site visits to Federal and ACT government, The Pines Elanora – Australia's largest single roof-top solar PV car park structure, Gullen Solar Farm, Woodlawn Wind Farm, Parliament House in Canberra, some networking sessions, functions and various social activities.
- Post-course Workshop in Bali

## The program

Twenty-eight Australia Awards scholars from Indonesian provincial and municipal governments, universities, private companies, NGOs, the State Electricity Company (PLN) and PERTAMINA participated in the Short Term Award (STA) to improve their knowledge of renewable energy technologies.

Eastern Indonesia has so far missed out on most of the progress made on introducing renewable energy to Indonesia. This STA focused on improving the understanding of renewable energy technologies among Indonesian regional governments, NGOs and private companies, including technologies suitable for their needs and aligned with Indonesian Government plans.

The STA was delivered by Griffith University. Course leader Dr Prasad Kaparaju and his team shared their expertise in biofuels, solar, wind and hydro technologies as well as related policies.



## Kick off in Makassar

The STA commenced with a three-day pre-course workshop in Makassar. Participants explored local issues and identified their training needs and selected a local case study for their Award Project.

During the workshop, the Awardees visited Tolo Wind Farm and the Jeneponto Region Head Office, which provided an excellent opportunity for Awardees and the Griffith University team to exchange experiences and understand the challenges and opportunities in developing renewable energy projects in Eastern Indonesia.



Group visit Tolo Wind Farm in Jeneponto, South Sulawesi

## Connecting Participants with Industry and Government in Australia

Griffith University welcomed Awardees to Brisbane for a two-week long STA in August 2018 with a formal Welcome to Country and an interactive didgeridoo and Indigenous dance performance.



Indigenous dance performance at Griffith University welcome ceremony

Over the following days, participants were equipped with theoretical knowledge about the current state of renewable energy options in Australia and how these could be adapted to suit the needs of communities in Eastern Indonesia. Participants learned

about the intricacies of energy needs analysis, and the role that renewable energy technologies play in this process.

For many Awardees, the site visits were a highlight as they build direct linkages with Australian experts from industry, federal and state governments.

Awardees visited both Stanwell's Wivenhoe Small Hydro Power Station and A J Bush & Sons Biogas Power Plant, which provided valuable insights to participants on how to develop their Award Projects further.

*"The field visits were very interesting. We could see the reality of the utilisation of renewable energy in Australia. This could be a reference point for us when implementing the technology."*

Following the many site visits in Brisbane, Awardees travelled to Canberra to learn more about how federal policy can support the development and implementation of renewable energy.



At Wivenhoe Small Hydro Power Plant

Daniel Harding (A/g Director, Energy Markets and Renewables Branch, ACT Government) gave the participants detailed insights into the Australian Capital Territory (ACT) Reverse Auctions; a concept that supports the area's goal to achieve 100% renewable energy by 2020.



Daniel Harding (ACT Government) presenting the territory's strategy to achieve 100% renewable energy by 2020



Networking event in Canberra

Bianca Sylvester, Associate Director, Clean Energy Finance Corporation (CEFC) gave a presentation on the corporation's investment commitments and funding support mechanisms that enable the development of large renewable energy projects in Australia. Arthur Watts (Managing Director, Waratah Power) introduced Awardees to the Murrumbidgee River Small Hydro Project, outlining the various types of funding for smaller projects as well as specific challenges that small hydro projects face.



Awardees studying at laboratory on campus at Griffith University in Brisbane

Amy Philbrook (Client Manager, Australian Renewable Energy Agency (ARENA)) outlined ARENA's Renewable Energy Funding Programs, allowing participants to better understand policies and support mechanisms that enable the development of renewable energy projects in Australia.

STA Awardees connected with other industry experts, Australian National University academics as well as the Department of Foreign Affairs and Trade (DFAT), represented by Ms Wanda Oram-Miles (Director, Australia Awards Delivery Section, DFAT) and Mr Iwan Freddy (Indonesian Embassy) at a networking event.

*"In my opinion the highlight of this course is that I have many new networks in the field of renewable energy and in the future we have the potential to be able to work together."*

The following day, participants visited Infigen Energy's Capital Wind Farm. Michael Johnson (Site Manager, Capital Renewable Energy Precinct) provided an overview of the substation infrastructure and introduced participants to the details of a turbine blade before the group visited an operating turbine at the Woodlawn Wind Farm.

To round off the Canberra visit, Awardees attended Question Time at Parliament House, which at the time had the National Energy Guarantee on its agenda. Participants witnessed Australian energy policy making first hand.

On weekends, Awardees enjoyed various social activities, including a visit to Outback Spectacular, petting koalas and kangaroos at Currumbin Wildlife Sanctuary and strolling along the 60km-long white sand beaches of the Gold Coast. After a busy two weeks, participants celebrated their successful completion of the STA's Australia component and returned home to implement their project and share their new knowledge in their home organisations.



Visiting Parliament House, Canberra

### Post-Course workshop in Bali

The 3-day post-course workshop in Bali was the culmination of a successful program, confirmed by 90% of participants agreeing that their Award Project improved as a result of the training and 96% of participants confident that their supervisor would support the implementation of their Award Project.

Awardees visited the Bali local Green School, which participants found very valuable.

*"The field study in Green School open my mind to learn about living sustainable."*

The post-course workshop presented an opportunity for the Awardees to deliver their pitch-style presentations and reconnect with their fellow alumni and the Australian Consulate General team.



At The Green School, Bali

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