



## Announcements: Renewable Energy Development Program Projects & Solar Flagships Shortlist

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This just in via the [Australian Solar Energy Society](#):

### REDP Funding Finally Announced

The Australian Government has awarded \$92 million to two large-scale solar energy demonstration projects

The two projects are:

- 23 megawatt solar boost to coal-fired turbines at Kogan Creek, near Chinchilla in western Queensland (\$32 million), using Ausra (now Areva) Compact Linear Fresnel Reflector technology; and
- a 40 megawatt concentrated solar thermal demonstration plant at Whyalla, South Australia, using Australia's own "Big Dish" technology (\$60 million).

Combined with investment from the successful applicants, the two projects will deliver about \$320 million in solar energy investment in Australia and more than 60 megawatts equivalent of solar peak load generation capacity, within the next four years.

These projects will save almost 100,000 tonnes of CO<sub>2</sub> emissions a year.

Additional details of the projects follows:

- CS Energy Pty Ltd - \$31.8 million

The [CS Energy project](#) at Kogan Creek in Queensland will demonstrate the Compact Linear Fresnel Reflector (CLFR) solar array technology developed in Australia by Ausra Pty Ltd. This technology is now being marketed world-wide by the Areva Group. The

project will be attached to the existing Kogan Creek A Power Station to provide a 23 megawatt equivalent superheated steam solar boost to the coal-fired turbines. This will allow an increase in energy output as well as saving around 35,600 tonnes of CO<sub>2</sub> emissions per year. CS Energy is a Queensland Government-owned corporation.

- N.P. Power Pty Ltd (Whyalla Solar Oasis Consortium) - \$60.0 million

The Whyalla Solar Oasis Consortium will demonstrate [Wizard Power's 'Big Dish'](#) concentrated solar thermal power generation technology developed at the Australian 2 National University in 1994. The 40 megawatt demonstration plant at Whyalla will utilise 300 'Big Dish' solar thermal concentrators that will be built on site using Wizard Power Pty Ltd's proprietary factory-in-the-field concept. The technology is easily scalable and a successful demonstration of the 'Big Dish' technology will open the way for further deployment of the technology, both within Australia and overseas. The project will generate power for about 9,500 average households and save about 60,000 tonnes of CO2 emissions a year. The Whyalla Solar Oasis Consortium consists of N.P. Power Pty Ltd, Sustainable Power Partners Pty Ltd and Wizard Power Pty Ltd.

AuSES welcomes this funding announcement, and congratulates the two projects selected. We look forward to seeing the emergence of large scale solar as a result of this announcement.

And..

## Solar Flagship Shortlist Announced

The Australian Government has announced eight projects that will be invited to participate in the second stage of assessment for Round One of the \$1.5 billion Solar Flagships Program.

The shortlisted projects will share up to \$15 million in feasibility funding going into the second stage of assessment:

## Solar photovoltaic

- o AGL Energy proposes a multi-site project using thin film cadmium telluride solar photovoltaic technology generating up to 150MW at multiple sites across Australia including ACT, NSW, Victoria, Queensland and South Australia;
- o TRUenergy proposes a single site near Mildura, using thin film cadmium telluride solar photovoltaic technology to generate up to 180MW;
- o Infigen Suntech's crystalline silicon solar photovoltaic technology would be deployed at up to three sites in New South Wales or Victoria to generate up to 195MW; and
- o BP Solar proposes a single axis tracking photovoltaic system to generate 150MW from plants constructed at several locations in New South Wales.

## Solar thermal

- o ACCIONA Energy Oceania proposes to generate 200MW using solar thermal parabolic trough technology at a single site in either Queensland or South Australia;
- o Parsons Brinckerhoff proposes to construct a 150MW solar thermal parabolic trough

power station at Kogan Creek in Queensland;

- o Wind Prospect CWP proposes to use linear fresnel technology at Kogan Creek in Queensland to construct a 250MW power plant; and

- o Transfield proposes to convert the Collinsville coal-fired power station in Queensland into a 150MW solar thermal linear fresnel power plant.

The Solar Flagships Council has also made recommendations relating to the siting of photovoltaic projects.



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