

Hon Jay Weatherill MP
Premier

Hon Tom Koutsantonis MP
Minister for Mineral Resources and Energy

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Next wave of energy storage projects announced

The State Government has announced the next wave of energy storage projects to be green lit in South Australia, with four new proposals receiving support through the Renewable Technology Fund.

The projects, which range from batteries and hydrogen fuel cells to thermal storage using sewage, demonstrate the diverse technologies that are available to help South Australia capitalise on its position as a global leader in the production of renewable energy. The successful recipients sharing in more than \$8 million in grants are:

Planet Ark Power – Schneider Electric

\$1.95m grant towards a \$13.9m solar PV and battery project at a major distribution centre in Adelaide's North. The project includes a micro-grid management system optimising 5.7MW of solar PV coupled with 2.9MWh of battery storage and integrates with SA Power Networks' Utility Distribution Management System.

UniSA

\$3.6m grant towards a \$7.7m project at the Mawson Lakes campus that includes hydrogen production and a 50kW hydrogen fuel cell, a 0.45MWh flow battery, 3.2 million litres of chilled water storage and 1.8MW of ground and roof mounted solar PV. The project will cut campus emissions by 35 per cent and reduce peak demand on the grid.

1414 Degrees

\$1.6m grant towards a \$3.2m thermal storage project at the Glenelg Waste Water Treatment Plant using a home grown technology being commercialised by 1414 Degrees. The project will include a 0.25MW/10MWh thermal energy storage device that holds heat generated from the combustion of biogas produced on site.

SunSHIFT

\$1m grant towards a \$2.69m modular and relocatable solar PV and battery storage project at the Heathgate Resources Beverley mine. The project will pair 1MW of solar PV with a 1MW/0.5MWh battery, and integrate with the existing on-site gas power plant.

Background

In March the State Government announced the \$150 million Renewable Technology Fund – a key pillar of the Government's energy plan. The Fund is designed to accelerate the transformation to the next generation of renewable energy technologies.

Companies from around the world have already submitted over 80 proposals for technologies that include batteries, bioenergy, pumped hydro, thermal, compressed air and hydrogen. A portion of the fund has already been allocated to the grid-scale Tesla battery currently being built by Neoen near Jamestown.

Quotes attributable to Premier Jay Weatherill

South Australia is a global leader in renewable energy and the world is paying attention.

Our \$150 million Renewable Technology Fund is putting South Australia at the cutting edge of renewable energy technologies.

The incredible response to the Renewable Technology Fund and the diverse range of technologies represented in this round of funding shows how much potential exists in this industry of the future.

The Renewable Technology Fund will not only help deliver clean, reliable and affordable power, it will also create new energy and renewables jobs in South Australia and make our businesses more competitive.

South Australians have a clear choice: a Labor Party committed to renewables and public ownership of electricity assets, or a Liberal Party addicted to coal and privatisation.

Quotes attributable to Energy Minister Tom Koutsantonis

We are seeing major international businesses like Tesla and SolarReserve investing in South Australia because we have world-class renewable energy resources.

The Renewable Technology Fund harnesses this momentum so we can drive new projects and establish South Australia as a global hub for the storage of renewable energy.

This funding leverages significant investment in four cutting edge projects that will showcase new technologies, create jobs and reduce demand on the grid.

Quotes attributable to SunSHIFT GM Will Rayward-Smith

Short-term users of energy, such as mines, have historically been locked out of energy storage and solar power, as traditional technologies are permanent and require long-term contracts. SunSHIFT offers the solution.

Our modular energy storage and solar power plants can easily be moved from one user to the next, meaning we only require short-term contracts.

With the support of the South Australian Government, we will be deploying a SunSHIFT power plant at Beverley mine, with the vision of creating a significant fleet of Australian-owned assets and Australian jobs.

Quotes attributable to Planet Ark Power GM Jonathan Ruddick

Planet Ark Power is proud to be partnering with both the South Australian Government and Schneider Electric on this exciting initiative.

This microgrid project allows the demonstration of the technology that will power our future energy supply both locally and globally. The microgrid allows the full potential of renewable energy to be harnessed by dealing with the intermittent nature of solar. This project is an example of South Australian leadership in building a stable and affordable energy future.

Quotes attributable to Schneider Electric MD Gareth O'Reilly

Schneider Electric, the global energy management specialist, is committed to helping Australia achieve a secure, sustainable and affordable energy future.

Today, we are proud to support South Australia – a leader in renewable energy – with the provision of our market leading EcoStruxure Platforms, including our Advanced Distribution Management System, our Microgrid Advisor and integration with the PlanetArk Power Smart Battery. By integrating solar and storage with our microgrid capabilities into our advanced distribution management system we will deliver increased grid resilience and energy security.

Quotes attributable to 1414 Degrees Executive Chairman Kevin Moriarty

We applaud the commitment by our state to delivering world leading energy storage solutions to consumers. The storage solution we offer has global significance and demonstrates the credentials of South Australian innovators to a worldwide audience.

1414 Degrees has developed ground-breaking technology that integrates energy generation from waste with storage, and will develop its pilot installation at the SA Water Glenelg Wastewater Treatment Plant.

SA Water currently generates electricity to power its operations from the biogas as it is produced by wastewater treatment processing. The 1414 Degrees technology will instead burn the biogas and store the thermal energy, so the heat and electricity can be harnessed to better coincide with SA Water's operational needs and times of high electricity market prices.

Quotes attributable to UniSA Pro Vice Chancellor Simon Beecham

This investment will create a national testing facility for renewable technologies at our Mawson Lakes Campus while at the same time cutting our emissions by more than a third.