

PRESS RELEASE

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PACIFIC ENERGY AWARDED AUSTRALIAN-FIRST RENEWABLE HYDROGEN MICROGRID PROJECT

West Australian Government's regional and remote power provider, Horizon Power, has awarded Pacific Energy's specialist integrated renewables subsidiary, Hybrid Systems Australia, a contract to build Australia's first renewable hydrogen demonstration plant in a remote power system, in Denham, Western Australia.

The hybrid solar and hydrogen power system will test the technical capability of hydrogen as a dispatchable power source in remote microgrids, in anticipation of the technology becoming cost competitive in the future.

Hybrid Systems, the integrated renewables division of Pacific Energy Ltd, will deliver a 704 kilowatt (kW) solar farm, 348 kW electrolyser, hydrogen compression and storage, and 100 kW fuel cell which will use renewable energy to power an electrolyser. This will produce hydrogen which can be stored for later use in a fuel cell to deliver electricity.

Hybrid Systems Executive Director Mike Hall said the Denham hydrogen demonstration plant was a ground breaking project which would build on the business's extensive integrated renewables expertise and add another key future energy supply to the business's portfolio.

"This is an exciting project which is taking the integration of renewables to the next level by creating green hydrogen to use as an electricity supply," Mr Hall said.

"Projects such as Denham are crucial in supporting the growth and sustainability of the industry to a point where this new technology can become both technically and commercially viable."

Construction of the plant will start in August 2021, with commissioning to commence in December.

Horizon Power's Chief Executive Officer Stephanie Unwin said the appointment of WA company, Hybrid Systems to deliver a first of its kind green hydrogen power supply to Denham was another step towards Horizon Power meeting its target of no new diesel generation systems from 2025.

"The future deployment of hydrogen into Horizon Power's regional and remote power systems will play a huge part in helping to deliver on our 2030 goal of achieving grid-based renewables across 100% of our systems," Ms Unwin said.

"This is a world leading trial which aims to demonstrate a future energy solution which encourages greater uptake of greener energy sources.

"By creating opportunities to work with industry to trial emerging technologies such as hydrogen, we are helping to solve real-world challenges while also contributing to the broadening of industry's knowledge and expertise.

"I also recognise the importance of investing in the local economy by utilising the services of local suppliers and contractors wherever possible."

Hybrid Systems will engage with regional suppliers and contractors to support the delivery of the project.

This Project has received \$2.6 million funding from the Australian Renewable Energy Agency (ARENA), as part of ARENA's Advancing Renewables Program. A further \$5.7 million has also been provided by the Western Australian Government as part of its Recovery Plan, this includes \$1.0 million from the WA Renewable Hydrogen Fund.

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Notes to Editors:

About Pacific Energy

Pacific Energy owns and operates around 40 power station facilities around Australia, with contracted capacity of approximately 400MW. These facilities provide electricity to remote mines and townships as well as the National Electricity Market (NEM) using multiple fuel technologies that include gas, diesel, dual fuel, hydro, wind and solar.

Specialist hybrid and renewable energy solutions such as Stand-Alone Power Systems, microgrids, battery energy storage systems (BESS) and hydrogen production and storage are provided by Hybrid Systems Australia, Pacific Energy's integrated renewables division.

About Horizon Power

Horizon Power is the West Australian Government's regional and remote power provider. We are passionate about what we do, and strive to ensure our customers receive safe and reliable power to their homes, businesses and communities.

Spanning some 2.3 million square kilometres, this makes us responsible for the largest geographical catchment of any Australian power provider.

We operate 38 power systems delivering power to more than 110,000 homes, communities and businesses. This includes 34 microgrids tailored to meet the unique needs of some of the most isolated and remote communities in the world.

Horizon Power is making significant investments in developing its renewable energy capability and expertise. It currently has a number of initiatives underway exploring new and innovative ways of providing our customers with more sustainable, affordable power.

For more information visit www.horizonpower.com.au.

For media comment please call Pacific Energy CEO Jamie Cullen (Perth) on +61 8 9303-8888