Australia solar power port-au-prince

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The Port Augusta Renewable Energy Park (PAREP) is a combined wind and solar photovoltaic (PV) hybrid project. It is one of the southern hemisphere"s largest hybrid renewable energy power stations.

Located approximately 8 km south-east of Port Augusta in South Australia, the project will occupy approximately 5,400 hectares of land running from Port Paterson in the north, to Winninowie in the south and span the A1 Augusta Highway.

It comprises 50 wind turbines and 250,000 solar modules together with associated infrastructure, with a total installed capacity of almost 320 MW of renewable energy. A 275 kV substation and export cable connects the project into the South Australian transmission network.

Vestas, as the operator and maintenance provider for the site, is undertaking the procurement for the site. Any work packages in excess of A$1m will be published on this website.

Iberdrola Australia acknowledges the Traditional Owners of Country throughout Australia and acknowledges their continuing connection to land, waters and community. We pay our respects to the people, the cultures and the Elders past and present.

Renewables developer Vast Solar has signed a key engineering contract as it pushes toward construction of a 30 MW/288 MWh thermal concentrated solar power (CSP) plant with more than eight hours of energy storage capacity near Port Augusta, South Australia.

Vast Solar said it has executed engineering contracts to complete the front-end engineering design (FEED) on a proposed 30 MW/288 MWh VS1 CSP plant it aims to develop north of Port Augusta, South Australia.

Vast Solar said it has appointed Queensland engineering and survey firm FYFE, Western Australian-based EPC specialist Primero, Swedish engineering outfit Afry, and American-Australian engineering company Worley to progress plans for the VS1 project, which will use the Sydney-based developer"s modular tower CSP technology.

"This is a major step forward for Vast and VS1, putting this historic CSP project on the path to construction," Vast Chief Executive Craig Wood said. "Afry, FYFE, Primero and Worley will bring the right combination of global and local expertise to VS1, which will utilize our industry-leading technology to capture and store the sun"s energy during the day before generating heat and dispatchable power during the day or night."

The front-end engineering and design on the VSI project is expected to be completed in August 2024 ahead of a final investment decision in the third quarter of 2024, with construction works to commence later in the year.

The VS1 power plant is part of the larger Aurora Energy Project that also incorporates a grid-scale pilot of Adelaide-based energy storage specialist 1414 Degrees" SiBox thermal energy storage technology.

The two companies also plan to build a 140 MW/280 MWh battery energy storage system at the site, that will be co-located with a planned solar methanol production facility that will use electricity and heat generated by the VS1 project to power a 10 MW electrolyzer.

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