

# GEV launches development strategy for proposed 2.8 GW green hydrogen project

Western Australian renewables company Global Energy Ventures is steaming ahead with its plan to establish a massive 2.8 GW green hydrogen production and export facility on the Tiwi Islands off the coast of the Northern Territory, announcing it has already commenced the development program.

**JANUARY 17, 2022 DAVID CARROLL**

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Perth-based 'energy transition company' Green Energy Ventures (GEV) has revealed it will focus its attentions on environmental permitting as it seeks to develop a 2.8 GW solar farm on the Northern Territory's Tiwi Islands as part of plans to create a major green hydrogen hub for export to Asia markets.

GEV said Darwin-based EcOz Environmental Services has been engaged to prepare the project's environmental referral submission for lodgement with the Northern Territory Environment Protection Authority in the first half of 2022.

GEV executive director and chief development officer Garry Triglavcanin said the referral submission is an important step forward as the environmental process is likely to drive the project schedule.

"There are a number of key environmental studies that can only be conducted during the current wet season," he said in a statement.

GEV has also engaged consulting firms ILF and Jacobs to prepare engineering studies supporting the referral submission, covering the key areas of solar generation, power transmission, including the transmission line route, as well as water desalination to supply water to the electrolysis plant.

The engagement of ILF follows GEV's previously announced memorandum of understanding with the company in Germany.

GEV first unveiled plans to develop the 2.8 GW green hydrogen export project on the Tiwi Islands in October.

The project is proposing to deliver a fully integrated green hydrogen production and export supply chain, starting with a fleet of the company's 430-tonne compressed hydrogen ships, with a view to export up to 100,000 tonnes of renewable hydrogen per annum into the Asia Pacific region.

The project seeks to vertically integrate GEV's hydrogen business, which has largely focussed on designing and making ships to both run on and carry compressed hydrogen.



Development of the Tiwi Island project is being planned as a phased approach with the initial stage to see a 500 MW solar farm built on the island, which would expand to 2.8 GW as the regional hydrogen market grows and costs of solar, electrolysers and shipping reduce.

In November, the company announced it had raised \$12 million through a share placement to accelerate development of the project.

In a statement last week GEV confirmed its 2022 development program is fully funded following the capital raising.

GEV said the environmental referral submission is expected to provide sufficient information to the NT EPA to enable a decision on the level of assessment required for the project.

The company is anticipating lodging its submission in the first half of 2022.

The solar facility is expected to be constructed on existing plantation land while the hydrogen production, compression and loading facilities are set to be built on existing industrial precinct and existing port area.

The company is targeting financial close of the project's initial phase by mid-2023.

Potential offtake targets in the Singapore, Japan, Korea and Indonesian markets are also being identified.

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