

Florida microgrids mauritius

The funding, controlled by the Mauritian Ministry of Finance and Economic Development has been awarded for the study and design of projects focused on high penetration renewable energy microgrids incorporating wave energy on Mauritius and the neighbouring island of Rodrigues.

The total value of the design activities is Au\$990,000 (\$717,000) of which the Mauritian Ministry of Finance and Economic Development will contribute Au\$800,000 (from the Australian Government) with the balance being contributed in-kind from Carnegie, the company said in press release.

Australia's High Commissioner to Mauritius, Susan Coles, said: "Access to clean, renewable energy is critical for Mauritius and other small island states, and is a key to unlocking their economic prosperity. The Australian High Commission is pleased to be working with Carnegie as an innovative Australian technology developer to assist with enabling high renewable energy penetration on islands and to develop a local capability to deliver these."

Michael Ottaviano, CEO of Carnegie, said: "The Australian Government should be commended on demonstrating its commitment to renewable microgrid solutions that have the potential to deliver high resilience clean power and freshwater for islands."

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Carnegie Clean Energy's plans to use its world-leading CETO wave energy technology to develop a renewable energy microgrid for the island Republic of Mauritius are beginning to take shape, with the completion of plans for stage one of the hybrid power station.

The ASX-listed company said on Monday it had completed the detailed design of a wave energy integrated hybrid power station for the Mauritian island of Rodrigues, with stage 1 consisting of 2MW of solar PV and a 2MW/0.5MWh battery system, with intelligent control systems to ensure reliable, utility grade power quality and grid stability.

The 12 month, \$990,000 project - which has received \$800,000 in funding from the Australian federal government - also aims to pave the way for high penetration renewable generation, putting the island nation on a path to take it beyond the current national 2025 target of 35 per cent renewables set by the government.

At a workshop held in Bagatelle, Carnegie also provided a detailed assessment of the Mauritian wave energy



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resource, and the identification of a preferred site for Carnegie's CETO wave energy technology.

Carnegie, which last year merged with fellow WA microgrid and energy storage specialists Energy Made Clean, has been going from strength to strength since the successful completion of its wave power pilot CETO 5 Perth Project, the world's first grid-connected wave energy plant.

Since then, it has been transforming the Garden Island facility into the world's first solar, battery and wave integrated microgrid, this time using its larger-scale CETO 6 technology, the existing desalination plant, and 2MW of solar PV and a 2MW/0.5MWh battery storage system - a template for Mauritius.

Carnegie's manager of project operations, Neil de Tisi, says the company's innovative Rodrigues wave energy integrated hybrid power station design now offers replicability for other small island developing states, too.

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