



Honduras energy storage companies

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The addition of energy storage and GEMS solution to RECO's generation resources will provide additional flexibility to integrate renewables into the local grid and secure reliability while eliminating the need for mechanical spinning reserve. The storage system will provide virtual spinning reserve capacity needed to maintain stability of the grid; particularly important for the energy security of an island. The solution will be delivered on a fast-track basis and is expected to be operational before the end of 2020.

"The system will allow more cost-effective and optimised operation of the existing thermal power plant, plus enable more renewable energy to be incorporated into the system. We anticipate that by the end of 2021, over 20 percent of the delivered island energy will come from renewable sources. This is made possible by our integrated energy storage solution using tertiary control from the GEMS software," said Risto Paldanius, Director, Business Development, Energy Storage and Optimisation, Wärtsilä Energy Business.

The existing 28 MW plant was delivered on an engineering, procurement and construction (EPC) contract by Wärtsilä in 2017. It operates on four Wärtsilä 34SG-LPG engines running on propane gas.

RECO is a progressive and visionary Caribbean utility that is constructing 12.5 MW of solar PV energy, has a 26-turbine wind farm, and a recently completed a 6-mile underwater subsea cable to expand their distribution system to two nearby islands.

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