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In the southwestern part of the island nation, rows of blue photovoltaic panels are neatly arranged close to the azure sea, reflecting the dazzling tropical sunlight. Once connected to the grid, the photovoltaic power generation and energy storage project being constructed by a Chinese company can meet the electricity demand of the entire island.

solar power system supported by a BESS to be the least-cost option for reducing dependence on diesel while improving electricity supply and reliability. With the project, the levelized cost of energy will be about \$.30 per kWh--a significant improvement from the current rate of \$.40 per kWh.

The Solar Power Development Project will finance (i) a grid-connected solar power plant with a capacity of 6 megawatts (MW) of alternating current; and (ii) a 2.5-megawatt-hour, 5 MW battery energy storage system (BESS) to enable smoothing of intermittent solar energy.

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