

## **PDEOZE PowerContainer**

# **Jamaica Power Plant Energy Storage Frequency Regulation Project**



## Overview

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The project encompasses 133 megawatts of solar energy and 171.5MW of battery storage. The investment will be deployed over several years, “between 2025 and 2028,” said JPS Chairman Damian Obiglio in the company’s newly released annual report. Will JPS build a solar power plant in Jamaica?

Power utility Jamaica Public Service Company, JPS, is investing US\$300 million to construct Jamaica’s largest solar power plant and a battery storage facility, starting this month. The renewable energy facility will replace JPS’s aged Hunts Bay.

How can battery energy storage help Jamaica?

Battery energy storage systems (BESS) are now emerging as a cornerstone technology to address these challenges—helping Jamaica stabilize its grid, unlock more renewable energy, and reduce electricity costs for both consumers and businesses. The country’s electricity cost can reach as high as \$0.32 per kilowatt-hour, far above global averages.

What are the different types of energy opportunities in Jamaica?

Select opportunities exist in renewable fuels, electricity generation from renewable sources, electricity generation from conventional fuels, electricity grid management, including energy storage and also energy efficiency and conservation programmes. The following are frequently asked questions concerning Jamaica’s energy sector.

Why is energy storage important in Jamaica?

Jamaica is committed to reducing its dependence on imported fossil fuels. The country’s National Energy Policy sets an ambitious target: 50% of electricity from renewable sources by 2037. Energy storage plays a critical role in achieving this target. Key policy support includes:

What percentage of Jamaica's energy is renewable?

According to the National Energy Policy, 20% of the energy supplied to the energy mix by the year 2030 should be generated from renewable energy (RE) sources. As at the year 2017, Jamaica's renewable energy capacity stood at 14.7% with net contribution to the national grid accounting for 11.2%.

Where can I find information about the electricity sector in Jamaica?

The National Energy Policy 2009-2030, the Electricity Act 2015, the Petroleum (Quality Control) Act 1990 and the Jamaica Public Service Company Limited - Electricity Licence 2016 provide guidance to investors on the electricity sector. You may obtain further information on these documents at following link:

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Explore how battery energy storage systems are transforming Jamaica's power sector--cutting energy costs, reducing outages, and enabling renewable energy growth.

The renewable energy facility will replace JPS's aged Hunts Bay power plant in Kingston, which runs on fuel. The project encompasses 133 megawatts of solar energy and 171.5MW of battery storage.

Leading energy engineering consultants providing comprehensive solutions for power systems, renewable energy, and grid modernization.

An energy storage frequency regulation project refers to initiatives designed to maintain the stability of the power grid by using energy storage systems to regulate frequency fluctuations.

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Remember that scene in James Bond's "Dr. No" where solar panels seemed futuristic? Jamaica's making that look antique. Their latest project combines floating solar arrays with existing hydro ...

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The company is in the final approval stages for a project that will add 133 megawatts of solar power and 170 megawatts of battery storage to its energy portfolio over the ...

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energy storage auxiliary frequency regulation system in a thermal power pl

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As part of a comprehensive grid infrastructure modernization programme to bolster system security, reliability and resilience, JPS identified energy storage (ES) to address the RE ...

Energy Services Companies (ESCO's) are distinguished from other energy efficiency (EE) or renewable energy (RE) providers as they offer performance contracting to their clients, such ...

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The company is in the final approval stages for a project that will add 133 megawatts of solar power and 170 megawatts of battery storage to its energy portfolio over the next four years.

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