

New york electric grid saint kitts and nevis

The St. Kitts and Nevis government has commissioned a six-megawatt (MW) rental power plant to stabilize the national grid temporarily while the sole electricity provider undertakes essential infrastructure upgrades. To support this initiative, the government has secured \$40 million in concessional funding from the Saudi Fund for Development for the procurement, construction, and operation of an 18MW dual-fuel power plant, which will include a battery energy storage system.

Energy and Public Infrastructure Minister Konris Maynard emphasized the urgency of the situation, noting that the existing generators are on the verge of collapse and that solar farms do not provide 24-hour coverage. "It is imperative to implement a reliable temporary supply for SKELEC (St Kitts Electricity Co. Ltd) to successfully achieve its goals," he stated.

Maynard also highlighted that this new plant aims to create a more reliable energy future while serving as a bridge toward the Sustainable Island State Agenda. By integrating a clean-burning, flexible generation platform with energy storage technology, the project aims to promote the growth of distributed renewable energy resources, which will be incentivized through the rollout of a feed-in tariff.

The authorities say this includes essential maintenance on the 25-year-old Mirrlees Blackstone MB430 6-megawatt generator, which is the largest single generator in the federation and is operating beyond its intended capacity.

Minister Maynard stated that during the rental power plant's operation, SKELEC will undertake vital overhauls on most of its fixed generator fleet. Prime Minister Dr. Terrance Drew emphasized the government's dedication to reducing reliance on fossil fuels through the strategic implementation of renewable energy initiatives.

This energy transition is a fundamental aspect of the government's Sustainable Island State Agenda, supported by the construction of the dual-fuel power plant and battery energy storage system in St. Kitts, as well as the introduction of renewable energy-powered desalination plants. "Our analysis shows that transitioning St. Kitts and Nevis to renewable energy will fundamentally transform the nation," Drew remarked.

He highlighted the economic advantages of this shift, pointing out that renewable energy could lower generation costs by at least two-thirds compared to fossil fuels. "This transition will create many new jobs in the green energy sector, and the reduced operational costs will benefit various industries across St. Kitts and Nevis," he noted.

To enhance the energy transition further, the government is closely collaborating with the Nevis Island



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Administration (NIA) to advance geothermal exploration on Nevis, aiming to provide cleaner and more affordable energy solutions

The government of St. Kitts and Nevis has commissioned a six-megawatt rental power plant to stabilize the national grid during critical infrastructure upgrades by the St Kitts Electricity Company (SKELEC). This initiative is part of a larger plan that includes securing US\$40 million in concessional funding from the Saudi Fund for Development for an 18MW dual-fuel power plant with a battery storage system.

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