



Battery augmentation British Virgin Islands

Construction has started on a solar plus storage project on the island of Anegada in the British Virgin Islands for a November 2023 commissioning date. The announcement by the Government of the Virgin Islands on 29 December, 2022, said the project combining solar PV and a battery energy storage system has a combined capacity of 2.1MW.

Defining operational objectives and a project's projected battery use will help owners determine the appropriate augmentation path. A chilled water thermal energy storage system allows utilities to store energy during off-peak periods until it is needed, optimizing renewables while supporting customers' energy needs.

The British Virgin Islands Electricity Corporation (BVIEC) and Power52 executed the contract for the Anegada Hybrid Renewable Energy & Battery Storage System (BESS) Project in November 2021 in the sum of \$4,687,944.72. "The long-term goal is for us to get to around 70 to 80 ...

Work has begun on Anegada's Hybrid Renewable Energy & Battery Storage System in the British Virgin Islands (BVI), which, upon completion in November of this year, would harness solar energy to power the island of Anegada. Power52, an American solar energy firm, will manage the project for \$4,687,944.72.

Optionality is key for battery storage developers and owners when considering project augmentation, leading system integrators to enhance their augmentation offering. As Energy-Storage.news has previously written, adding capacity to existing battery storage projects is going to be a big part of what developers and system integrators do in the ...

The longer-term goal is for us to get to around 70-80 percent renewable energy across all of the Virgin Islands, and this is a major step forward. This project will reduce diesel produced electricity on Anegada by 90-95 percent.

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There are two primary methods of augmentation -- alternating current augmentation (AC) and direct current (DC) shuffling -- that developers can choose between based on their system type, grid connection, and needed services.

The Premier, while delivering the 2022 Budget Address, referenced the contract signed between the Anegada



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Hybrid Renewable Energy and Battery Energy Storage System Project that is anticipated to reduce fossil fuel usage on Anegada by 95 percent during the first quarter of 2023.

Effective Nov. 8, the Virgin Islands Energy Office overhauled the Virgin Islands Energy Storage (VIBES) program, opening up the application specifications to allow for larger battery systems to participate.

Let's take augmentation as an example. The pros include deferred capex, and the ability to exploit anticipated cost reductions in batteries down the line. In addition, augmentation means that you only ever pay for the capacity you need, in case your revenue stack reset never happens. These are huge benefits.

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