



U S Virgin Islands smart energy and smart energy systems

What is the Virgin Islands Energy Office?

The Virgin Islands Energy Office (VIEO) is focused on promoting sustainable energy policies in the Virgin Islands through clean energy production and distribution, energy efficiency, transportation, and energy consumption. It achieves this through outreach, financial incentives, training, and technical assistance.

How many solar energy systems are installed in the Virgin Islands?

Nearly 1,500 solar energy systems have been installed throughout the territory. 15 MW of distributed solar PV are either in place or under construction. As a result, the Virgin Islands government has authorized \$35 million in funding to install lighting and water retrofits in 34 more schools.

Will the Virgin Islands reduce fossil fuel use by 60% by 2025?

The Virgin Islands, with support from the U.S. Department of Energy (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE), have set a goal of reducing fossil fuel use by 60% by 2025.

Why should the US Virgin Islands own solar assets?

The US Virgin Islands should invest in solar assets for enhanced portfolio diversification and risk mitigation. WAPA ownership guarantees coverage by WAPA and FEMA during natural disasters, eliminating uncertainties (1. Enhanced Portfolio Diversity: WAPA diversifies its energy portfolio, ensuring a more resilient and sustainable future).

Do St Thomas and St Croix have electricity?

As of late 2014, both St. Thomas and St. John were served by one electrical grid run by the Virgin Island Water and Power Authority (WAPA). St. Croix, however, has a separate electrical grid in the WAPA service area. More than 1,000 distributed renewable energy systems were connected to the WAPA grid.

What is the cost of electricity in the USVI?

The electricity rates in the USVI are \$0.47 per kilowatt-hour (kWh). This is higher than the Caribbean regional average of \$0.33/kWh.

Wärtilä; to deliver hybrid LPG/LFO fuelled power plant and energy storage system to US Virgin Islands Wärtilä; Corporation, Press release 21 July 2020 at 15:00 UTC+2 ...

The Virgin Islands Energy Office (VIEO) develops and delivers policies and programs designed to support the growth and sustainability of clean, resilient, reliable energy production and distribution in the Virgin Islands in order to ...

The transition from the traditional energy system to the smart energy system. To make the switch from fossil



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fuels and nuclear power to more sustainable energy sources in the ...

The results show the effects of two utility scale energy systems - on the islands of St Thomas /St John and St Croix - and future optimized capacity addition with solar, ...

By transitioning from oil imports to use of local, indigenous renewable resources and efficient technologies, the U.S. Virgin Islands--with support from DOE--is developing a model for job creation, industrial ...

This visionary partnership is set to transform the energy landscape of the US Virgin Islands through the deployment of cutting-edge Battery Energy Storage Solutions (BESS) across six strategically positioned solar parks. The ...

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