



Future energy U S Virgin Islands

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.

Is the US Virgin Islands a good place to start a wind farm?

The US Virgin Islands have been recognized as a regional leader in clean energy due to the success of collecting wind resource data for its first commercial wind farm. DOE's National Renewable Energy Laboratory has collected the necessary data for this project.

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).

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.

Why is the Virgin Islands so reliant on fossil fuels?

The Virgin Islands, like many island communities, has been heavily reliant on fossil fuels for electricity generation. This leaves it vulnerable to global oil price fluctuations that directly impact the cost of electricity.

What is the cost of wind energy in St. Croix?

The cost of wind energy in St. Croix ranges from \$0.08 to \$0.14 per kWh. The localized cost of energy from utility-scale wind projects ranges from this amount. St. Croix has moderate potential to generate 3 MW to 5 MW of energy from biomass because the majority of the island is covered with forest. Landfill gas has an expected capacity of about the same.

The U.S. Virgin Islands (USVI) is taking bold steps toward a more sustainable and resilient energy future. As the territory faces the challenges of climate change and the need for energy independence, renewable energy innovations are becoming increasingly vital.

With support from the U.S. Department of Energy (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE), the Virgin Islands set a goal of reducing fossil fuel use by 60% by 2025. Five years later that goal is on target as the Virgin Islands' fossil fuel use is down 20%, resulting in lower electricity costs for



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consumers, and a ...

The U.S. Virgin Islands (USVI) includes the three main islands of St. John, St. Thomas, and St. Croix. The U.S. territory has a population of about 87,000 000 (U.S. Census Bureau 2022), and the primary industry is tourism (CIA 2023) . USVI is highly reliant on fossil fuel for their energy and all fuels are imported.

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 U.S. Virgin Islands (USVI) has emerged as a leader in the effort to reduce oil imports and stabilize electricity costs via the deployment of energy efficiency and renewable energy technology.

The U.S. Virgin Islands" Clean Energy Goals: o Reduce fossil fuel-based energy consumption 60% by 2025 o Generate 30% of peak capacity from renewables by 2025. Government and Utility Overview Government Authority Ministry: Virgin Islands Energy Office Key Figure: Elmo Roebuck, Jr. Designated Institution for Renewable Energy Virgin Islands ...

Through initiatives such as the U.S. Virgin Islands (USVI) pilot project launched in late 2009, EDIN is developing a holistic model for clean energy development that can be replicated by

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The US Virgin Islands has some of the highest costing energy in all of the United States and it"s territories. Advance Power"s team has been and remains committed to working with the U.S. Virgin Islands community and related governmental agencies to build an onshore megawatt class wind turbine installation.

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As the global demand for sustainable energy solutions grows, the U.S. Virgin Islands is positioning itself as a leader in renewable energy. The territory, which has long relied on imported fossil fuels, is now actively pursuing a transition ...

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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 implications are monumental, with massive cost savings and a resounding commitment to decarbonization.

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 create an affordable energy future for all residents, businesses, communities, and institutions.

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