



# U S Outlying Islands price for solar power

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.

How much does a kilowatt-hour of electricity cost on Virgin Island?

The average price of electricity paid by U.S. Virgin Island residents was about 41 cents per kilowatt-hour in early 2022, which was almost three times higher than the U.S. average power price of 15 cents per kilowatt-hour.

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.

How will modernization impact the Pacific Islands' energy sector?

In addition to increased access to electricity and more resilient infrastructure, some locales are targeting as much as 100% renewables for their energy mix. The modernization of the Pacific Islands' energy sector promises to strengthen local economies and enhance the quality of life for residents.

How does oil affect the cost of electricity in the USVI?

The USVI, like many island nations, is heavily reliant on fossil fuels for electricity generation. This reliance leaves the USVI vulnerable to global oil price fluctuations, which directly impact the cost of electricity. Assumes an average electricity price of \$0.50/kWh and consumption of 767.4 gigawatt-hours (GWh).

How many solar energy systems are there in New York?

In the U.S. Virgin Islands, nearly 1,500 solar water heating and PV systems have been installed, and 15 MW of distributed solar PV are either in place or under construction. DOE's National Renewable Energy Laboratory has collected the wind resource data needed to develop the territory's first commercial wind farm.

Islands with unique ports, terrain, and roadways, incur higher import and transportation costs for solar equipment. Additionally, the push for increased resiliency in the Caribbean can boost higher hurricane/disaster insurance costs, which further increases the risk of realizing reasonable equity returns for investors.

For the U.S. standard, West Texas Intermediate, the price was \$116. For islands such as Hawaii and Puerto Rico these numbers are even more of a problem than on the mainland. Plainly put, oil is easier to transport and distribute than the somewhat cheaper natural gas, meaning that islands have become heavily dependent on it. At the same time ...



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U.S. Virgin Islands U.S. Department of Energy Energy Snapshot Population Size 106,977 Total Area Size 350 Sq. Kilometers Total GDP \$3.98 Billion Gross Domestic Product (GDP) per Capita \$35,938 Share of GDP Spent on Imports 101% Urban Population Percentage 95.8% Population and Economy Installed Capacity 238 MW St. Thomas.138 MW St. Croix 100 MW

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The VIEO believes that the new Virgin Islands Solar for All Program has the power to transform the territory's residential energy landscape, addressing residents' high electricity costs while...

In 2023, propane generated almost three-fifths of the U.S. Virgin Islands' (USVI) electricity, fuel oil about two-fifths, and solar power supplied about 2%. The average price of electricity paid by USVI residents was about 42 cents per kilowatt-hour at the end of 2023, which was almost three times higher than the U.S. average power price of 16 ...

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If accomplished, the result would be drastically lower utility bills on the Big Island, as St. Croix is called, and among the byproducts of this reality would be a ricocheting of price...

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The Pacific islands face unique energy challenges including a limited supply of domestic fossil fuel resources. These constraints have led to a historical dependence on imported fuels for power generation, and a corresponding vulnerability to fluctuating energy prices.



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U.S. Virgin Islands 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 ...



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