

## Solar Energy South Africa

# Recurrent energy U S Virgin Islands



## Overview

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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 consumers, and a .

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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.

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.

This document was developed by the National Renewable Energy Laboratory with support provided by the Caribbean Center for Renewable Energy and Energy Efficiency. The information included in this document is for general information purposes only.

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. 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.

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.

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).

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 you visit the US Virgin Islands?

The US Virgin Islands are an attractive destination due to their abundance of sunshine and ocean breezes, making them an ideal spot for a tropical getaway. These characteristics also make the territory a natural fit for emerging renewable energy technologies such as solar, wind, and water power.

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### U.S. Virgin Islands Ramping Up Clean Energy

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### Ex-Recurrent Energy execs launch battery storage developer with US...

A group of former directors and executives at Recurrent Energy have launched a new low carbon energy development company with an initial focus on battery storage. The new company, Nightpeak Energy, has been founded by four ex-colleagues at Recurrent Energy, the US developer subsidiary of vertically integrated solar PV manufacturer Canadian Solar.



### Recurrent Energy gains \$513m for 1.2GWh US energy storage

Recurrent Energy CEO Ismael Guerrero stated: "When we began developing Papago Storage in 2016, the Arizona storage market was in its infancy. "Today, Arizona is one of the fastest-growing markets for energy storage in the United States, bolstered by the state's expanding economy and cost-effective renewable energy resources.

## Recurrent, Windel launch second public consultation for solar NSIP

Recurrent and Windel work together. The Fosse Green Energy project is one of many that Recurrent and Windel have partnered on. In July, the pair received permission for a 200MW/400MWh, 2-hour duration BESS in Carlisle, shortly after their 9.9MW Welsh solar development was approved.



## Recurrent Energy, LLC Strategic SWOT Analysis

Table 1: Recurrent Energy, LLC - Company Facts  
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 Table 5: Recurrent Energy, LLC - Key Joint Ventures  
 Table 6: Recurrent Energy, LLC - Products  
 Table 7: Recurrent Energy, LLC - Services  
 Table 8

## NADBank says Recurrent Energy Texas BESS 'carries acceptable ...

Recurrent also recently secured a US\$513 million financing package for its 1,200MWh Papago Energy Storage facility located Maricopa County, Arizona. Construction on the Papago project, which comprises a BESS along with a 300MW solar farm, is scheduled to commence in the third quarter of this year with commercial operations slated for Q2 2025.



## Recurrent Energy inks solar PV PPA for 115MWp project in



## Recurrent divests Australian BESS project to Epic Energy

Canadian Solar subsidiary Recurrent Energy has completed the sale of the Mannum battery energy storage system (BESS) project in South Australia to Epic Energy. The 100MW/200-megawatt-hour Mannum project is the third that Recurrent Energy has sold to Epic Energy, a South Australian-based energy infrastructure owner and operator.

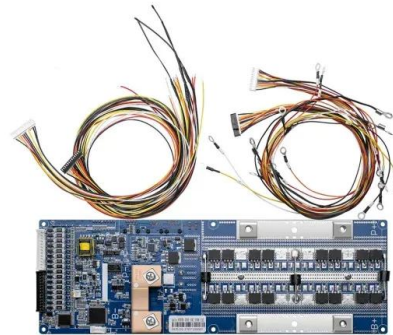


## Solar-plus-storage potential everywhere in US: Recurrent Energy ...

Lucas Moller, head of energy storage development at Recurrent Energy, discusses the rise of solar-plus-storage in the US: where the

## Spain

PV Tech has been running PV ModuleTech Conferences since 2017. PV ModuleTech USA, on 17-18 June 2025, will be our fourth PV ModuleTech conference dedicated to the U.S. utility scale solar sector.



## Recurrent Energy secures \$1.41bn to boost portfolio in Europe

US-based Recurrent Energy has secured a credit facility of EUR1.3bn (\$1.41bn) to accelerate the development of its renewable energy portfolio in Europe. The multi-currency revolving credit facility will be available for an initial period ...

market has come from and where it's heading. Around 60% of new solar PV projects planned for deployment in US utility service areas over the next two years are hybrid resources paired with storage.



## NADBank says Recurrent Energy Texas BESS 'carries ...

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## Get your business and economy news from the U.S. Virgin Islands

"Wir freuen uns, GKN Automotive auf dem Weg in die Klimaneutralität im Jahr 2045 unterstützen zu können", so Ismael Guerrero, CEO von Recurrent Energy. "Recurrent Energy blickt auf eine lange Erfolgsgeschichte bei Großprojekten für weltweit operierende Kunden zurück.



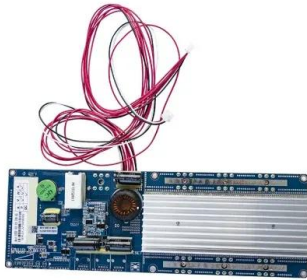
## [Recurrent Energy](#)

5 ???· Recurrent Energy is one of the world's largest and most geographically diversified utility-scale solar and energy storage project development, ownership and operations platforms. With an industry-leading team of in-house energy experts, we are a wholly-owned subsidiary of Canadian Solar Inc. and function as Canadian Solar's global development and power

services ...

## Recurrent raises US\$200 million for Liberty solar project in Texas

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## Recurrent Energy's Middle Road project sold to Centrica

The Pantymoch site in Port Talbot, Wales, is another part of Recurrent Energy's growing UK portfolio. Image: Recurrent Energy. Recurrent Energy, a global solar and energy storage developer and a subsidiary of Canadian Solar, announced the sale of its 49.9 MWp Middle Road solar project in Harbury, Warwickshire, to Centrica Business Solutions.

## Solar-plus-storage potential everywhere in US: ...

Lucas Moller, head of energy storage development at Recurrent Energy, discusses the rise of solar-plus-storage in the US: where the market has come from and where it's heading. Around 60% of new solar PV projects ...



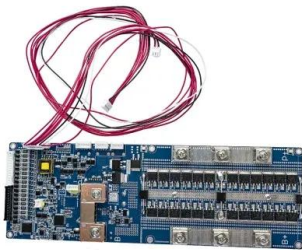
## Recurrent Energy's 100MW Mustang Solar Project reaches commercial



Recurrent Energy has signed a power purchase agreement (PPA) with an unnamed US tech company for a solar project in northern Spain. Arevon powers up 384MW/600MWh California solar-plus-storage site

## Planning approval, grid connection date review for Recurrent Energy...

Cumberland Council in England, UK, has granted planning permission for a 200MW/400MWh BESS project from developers Recurrent Energy and Windel Energy which, unless a new grid connection date is agreed, won't start construction until 2029.



## Recurrent Energy completes sale of 235MW solar portfolio to ...

"The Recurrent Energy team continues to create value through deals with world-class investors that monetise our quality US solar project assets." Established in 2001, Canadian Solar manufactures solar photovoltaic modules and a provider of solar energy solutions to its clients worldwide.

## [Virgin Islands Energy Office](#)

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distribution in the Virgin Islands in order to ...



## State and Community Energy Programs Project Map - U.S. Virgin Islands

The U.S. Virgin Islands (USVI) Energy Office is the managing agency for USVI's Weatherization Assistance Program spite geographic isolation, high retail electricity rates, and vulnerability to natural disasters that wreak havoc in island communities, USVI was able to weatherize 444 homes between 2010 and 2021 with annual formula funds from WAP.

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