# Cayman Islands hybrid renewable energy systems

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The National Energy Policy (NEP) aims to help the Cayman Islands community embrace a sustainable lifestyle through responsible, affordable, and innovative energy supply and consumption. Through a variety of programmes, projects and initiatives, the NEP focuses on increasing renewable energy, promoting energy efficiency and conservation measures ...

The 5MW Solar Farm is the first commercial solar project in the Cayman Islands. It was completed and commissioned in June 2017 and is located on a 20-acre site in Bodden Town, Grand Cayman. The Farm comprises 21,690 poly-crystalline photovoltaic (solar) modules each with a DC-rated capacity of 305 watts.

The Cayman Islands National Energy Policy (NEP) focuses on utilising alternative and renewable energy sources, promotes energy efficiency and conservation measures and supports energy security by reducing the reliance on imported fossil-based fuels in the Cayman Islands.

According to the country"s national energy policy, the target is for the Cayman Islands to be generating 70% of its power from renewables, mostly solar, by 2037, but only around 3% of the power consumed here is currently generated from solar.

To reduce CO 2 emissions and exposure to local air pollution, we want to transition our energy systems away from fossil fuels towards low-carbon sources. Low-carbon energy sources include nuclear and renewable technologies. This interactive chart ...

emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and ...

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CORE systems are passive and standardized with no energy storage; whereas DER systems are tailored to site, more complex and are professionally managed to realize energy savings. Typically, a DER system would combine renewable energy with additional investments in energy efficiency, on-site energy storage and energy conservation measures.

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