

UAE-Caribbean Renewable Energy Fund

The UAE-Caribbean Renewable Energy Fund (UAE-CREF) is a US\$50 million initiative that aims to deliver renewable energy projects across 16 Caribbean Island nations to help reduce reliance on fossil-fuel imports, increase energy access, and enhance climate change resilience. The UAE-CREF is the largest renewable energy initiative of its kind in the Caribbean region. It is fully financed by the Abu Dhabi Fund for Development (ADFD), the UAE's leading national entity for international development aid. The fund is a partnership between the Ministry of Foreign Affairs and Cooperation (MoFAIC), ADFD, and Masdar, who is leading the design and implementation of the projects. The renewable energy projects are being developed and delivered in three cycles. In March 2019, the first three renewable energy projects from Cycle 1 were inaugurated. They include:

Bahamas: Thomas A. Robinson National Stadium 925kW Solar PV Carport Power Plant

The 925 kilowatt (kW) solar photovoltaic (PV) plant at the national stadium, which also serves as a carport with 152 parking spaces including 4 spots for families and 2 spots with fast charging electric vehicle (EV) charging stations, is the country's first large-scale solar energy project. Developed in partnership with the Bahamas Ministry of Environment and Housing, it sets a regulatory precedent for new renewable energy plants to feed into the grid.



Barbados: Bridgetown 350kW Solar PV Carport Power Plant & Bowmanston 500kW Solar PV Power Plant

This project has two elements: a 350kW solar PV carport with 124 parking spaces, which include six level 2 EV charging stations, and a 500kW ground-mounted PV plant. Both projects were developed in partnership with the Barbados Water Authority and are built on sites operated by the authority. The project supports BWA operations at their water treatment plant and the water pumping station.



Saint Vincent & the Grenadines: Union Island 600kW Solar PV Battery Hybrid Power Plant

Developed in partnership with St Vincent Electricity Services Limited (VINLEC), the project sets a strong precedent for using renewable energy to drive down energy costs on outer islands. Located on Union Island, the 600kW solar PV plant and 637 kilowatt-hour (kWh) lithium-ion battery project supplies all of the island's daytime power needs, and represents Masdar's first fully implemented grid-connected battery energy storage system.

