

ANTIGUA AND BARBUDA

TECHNOLOGY	CAPACITY	LOAN SIZE	PROJECT NAME
Wind and solar	4 MW	\$15 million	Transformation and Resilience Building of the Water Sector in Antigua and Barbuda

PROJECT OUTLINE

This project has been put forward by the government of Antigua and Barbuda as part of a wider scheme to transform the water sector and provide energy to key services within the country. The ADFD funding will contribute to 4 MW out of the total 25 MW project.

The project involves the generation of renewable electricity from wind turbines and solar PV panels, using batteries as storage where necessary. Some of the electricity will be used for the desalination of water as well as providing electricity to hospitals, community clinics and government buildings. This project will enable these services to have back-up power through the provision of batteries, which will improve resilience during extreme events such as droughts and storms.



PROJECT IMPACTS

SOCIO-ECONOMIC

Antigua and Barbuda has been suffering from severe droughts over the past few years leading to water stress across the country. This desalination project will aid the provision of reliable water services in times of low supply and benefit vulnerable communities through increased water access.

RELIABILITY

Using renewable energy to produce potable water will diversify the energy sources for the country whilst actively moving towards more reliable and affordable electricity.

ENVIRONMENT

Currently, Antigua and Barbuda is entirely dependent on fossil fuels for electricity generation. The government has a national objective to obtain 20% of electricity from renewable sources by 2018 and this project will therefore contribute directly to this. The project will also help meet the national mitigation targets set out under the UNFCCC Paris agreement by reducing greenhouse gas emissions by 8,275 tons of CO₂ per year.