




Antigua & Barbuda

Applicant: Ministry of Agriculture, Housing, Lands and the Environment
National Designated Entity: Ms. Diann Black-Layne, Ministry of Agriculture, Housing, Lands and the Environment
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Status: Completed
Budget: 41,000 USD
Planned by: National Renewable Energy Laboratory (NREL)
Implemented by: NREL



Workforce Development Strategy for Priority Energy Sectors of Antigua and Barbuda's Nationally Determined Contribution

CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technical assistance aligned with national climate objectives.

CHALLENGE

The island of Antigua and Barbuda currently generates nearly all of its electricity from imported fossil fuels, resulting in high costs and unnecessarily high amounts of greenhouse gas emissions.

CTCN SUPPORT

- In-country assessment of Antigua and Barbuda's energy context, clean renewable energy deployment goals, current barriers, and possible policy, market or other solutions
- Recommendations for renewable energy technologies
- Development of a workforce strategy identifying short, medium, and long term actions for Antigua and Barbuda

INTENDED IMPACT

- GHG emissions reduction as a result of a more diversified energy mix (greater use of solar PV and wind)
- Improved capacities of the Environment Division
- Enhanced climate resiliency through the deployment of hurricane resistant energy generation and off-grid technologies

THIS ASSISTANCE SUPPORTS

Antigua and Barbuda's Nationally Determined Contribution to:

- Diversify its energy mix for less reliance upon fossil fuels
- Lower energy costs by increasing competition among energy providers and utilizing lower cost resources including renewable energy
- Encouraging economic development

SUSTAINABLE DEVELOPMENT GOALS



Gender Considerations

The workforce strategy actively encourages the participation of women and under-represented groups in all sectors of the workforce. The Directorate of Gender Affairs; Community Development Division; and the Professional Organization for Women in Antigua and Barbuda are identified in the strategy as potential leads in the implementation and oversight of the engagement of women in Antigua and Barbuda's energy workforce development.

Learn more about CTCN technology transfer

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The CTCN is the operational arm of the UNFCCC's Technology Mechanism and is hosted by UN Environment and the United Nations Industrial Development Organization (UNIDO).

THE STORY

The CTCN's assistance focused on facilitating an enabling environment in Antigua and Barbuda in order to help the island nation to reach its energy and climate goals such as reducing the public energy consumption and expenditures by 30% by 2020.

CTCN partner, the National Renewable Energy Laboratory, provided recommendations to the Government regarding which technologies to target for deployment and possible policy support, including grid-tied and off-grid renewable energy technologies as well as mini-grids and energy storage, with special climate resilience consideration in terms of withstanding the possibility of increased hurricanes and supporting emergency systems, such as those of hospitals and clinics.

The workforce strategy outlines the expected workforce distribution, a baseline skills profile of Antigua and Barbuda, and anticipated areas of skills shortages. The strategy provides a budget for programme development and implementation, and notes potential partner organizations, including regional and international finance and development institutions.

Key focus areas were identified to guide the implementation of the workforce development strategy nationally. The strategy identifies necessary clean energy standards and credentials, national and regional institutions to support implementation.

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MINISTRY FOR FOREIGN AFFAIRS OF FINLAND



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