



# CANADIAN SUPPORT TO THE ENERGY SECTOR IN THE CARIBBEAN FUND

## BACKGROUND

Transitioning to a more sustainable energy sector can help the Caribbean Region realise key development goals. By making this shift, countries can meet their targets for renewable energy, improved energy security and climate change mitigation — achievements that could transform their economies and societies for the better. However, inadequate regulatory frameworks, limited technical and institutional capacity and lack of project development support have slowed the shift to sustainable energy, underscoring the need for scaled-up assistance in these areas.

## ABOUT THE FUND

The Canadian Support to the Energy Sector in the Caribbean (CSES-C) Fund was established in 2016 to address this gap through the provision of technical assistance over a four-year period. Grant resources of CAD5 million, provided by Government of Canada to the Caribbean Development Bank (CDB), supports public and private actors in the energy sector in CDB's Borrowing Member Countries.

## AREAS OF TECHNICAL ASSISTANCE

Through the Fund, the Government of Canada invests in:

### 1. Legislative and Regulatory Support

Technical assistance for strengthening legislative and regulatory frameworks, including national plans and policies to establish an enabling environment and support the achievement of sustainable energy targets.

### 2. Investment Project Support

Studies and economic and technical assessments to assist private and public sector investors during preparation and planning activities for renewable energy and energy efficiency projects.

### 3. Capacity Building

Workshops, training, professional attachments and seminars to increase public and private sector knowledge and expertise.

## PROJECT HIGHLIGHTS

To date, the CSES-C Fund has supported 19 technical assistance projects:



14

capacity-building projects

4

development support projects

1

regulatory support project

Over 700 persons have benefited from capacity-building initiatives supported by the CSES-C Fund.

## HOW TO APPLY

The CSES-C Fund is administered and executed by CDB, meaning that the Bank manages procurement, consultancy contracts and implementation, in close cooperation with the ultimate beneficiary.

### How It Works

- CDB will collaborate with the beneficiary in the preparation of a concept note for the proposed technical assistance project for submission to Global Affairs Canada for its non-objection.
- CDB and the beneficiary will together develop the technical assistance project proposal in detail, which will be approved by the Bank.

## Certified Energy Managers Certification Training



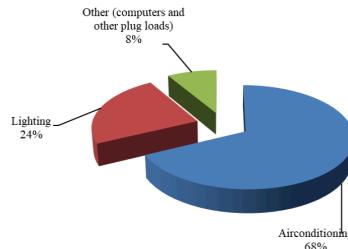
The Caribbean Development Bank, utilising CSES-C resources, collaborated with the Barbados Renewable Energy Association and The Jamaica Society of Energy Engineers to fund the participation of 25 persons in a regional training program, in Barbados. The training program resulted in the participants sitting the examination to become Certified Energy Managers. It addressed an existing deficiency in sustainable energy projects achieving the projected targets and guaranteeing sustainability of the investment. This requires skills in conducting energy audits, the analysis of parallel investment in energy management systems, and the establishment of adequate managerial capacity on site during implementation of the project.

## Grid Modernization Workshop



The injection of around 10% to 15% of intermittent Renewable Energy (RE) can be typically accommodated on the relatively small electricity grids in the Caribbean. However, a higher percentage of RE requires grid adaptation strategies, including storage, to ensure a safe and stable operation of the electricity grid. A training workshop to increase the understanding about the commercial impact of necessary grid modernization including the introduction of battery storage to allow higher penetration of RE in the electricity grid was held. Participants were senior management of electric utilities in the Caribbean, private sector companies, regulators, political actors and development agencies.

## Energy Audits for Public Facilities - Anguilla



Energy audits for selected public facilities were conducted in preparation for a capital project that will potentially reduce the government of Anguilla's electricity consumption through implementing energy efficiency (EE) and/or RE measures in public facilities including street lighting. The EAs established an energy consumption baseline and identified cost-effective and feasible EE/RE measures. In respect to the street lighting system an energy baseline was developed to determine potential savings and investment costs.



## OECS - Renewable Energy and Energy Efficiency Capacity Building and Dialogue for Planning Professionals

A workshop entitled "Renewable Energy and Energy Efficiency Capacity Building and Dialogue for Planning Professionals" targeted professionals who may not normally be included in energy sector related discussions but who nevertheless are critical in the national approval process of sustainable energy projects. The specific issue which was addressed was the capacity gap among planners in assessing the specific nuances of RE and EE projects, resulting in improved understanding of their role in advancing a sustainable energy future for the sub-region. Twenty-seven professionals attended the training.

## **ABOUT CDB**

CDB is a regional financial institution established for the purpose of contributing to the harmonious economic growth and development of its 19 Borrowing Member Countries. The Bank promotes economic cooperation and integration among these countries, having special and urgent regard to the less developed members of the Region.

## **ABOUT GLOBAL AFFAIRS CANADA**

Global Affairs Canada is responsible for the conduct of Canada's international relations, including foreign affairs, international trade and commerce, and international development. Canada's Feminist International Assistance Policy, launched in June 2017, puts women and girls at the centre of its international development efforts to reduce poverty and contribute to a more just, inclusive and sustainable world. Canada is a founding member of the CDB and, along with the United Kingdom, is the Bank's largest non-regional shareholder.

## **CONTACT US**

Renewable Energy / Energy Efficiency Unit  
Caribbean Development Bank  
P.O. Box 408, Wildey, St. Michael, Barbados  
W.I. BB11000  
Tel: (246) 431-1600  
Email: [reee@caribank.org](mailto:reee@caribank.org)  
Website: [www.caribank.org](http://www.caribank.org)

