

“Support to The Implementation of Trinidad And Tobago’s Nationally Determined Contribution”
Project Update – September 2024

Global Climate Change Alliance Plus – Trinidad and Tobago

Programme: Renewable Energy and Energy Efficiency Implementation – United Nations Development
Partners: Sponsor – Ministry of Planning and Development
Donor – European Union
Duration: 72 Months
End of Project: December 2025
Budget: €2,400,000



Overview

The overall objective is to increase Trinidad and Tobago’s resilience to climate change by introducing renewable energy as an alternative source for electricity generation, thereby contributing to energy security while reducing the use of fossil fuel-based electricity both environmentally and economically. This will successfully contribute to the country’s commitment to the Nationally Determined Contribution to reduce its carbon emissions by 15% by the year 2030.

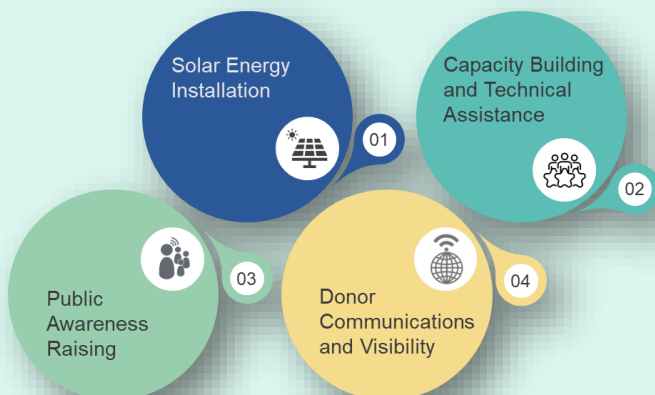
Objective

The specific objective of the project is to increase the availability and use of energy from renewable sources, to decrease the emissions of CO₂ from the use of fossil fuels and raise public awareness on energy efficiency, correct pricing of electricity and promote the benefits of using renewable energy.

Execution

Primary activity: Installation of small-scale roof-mounted solar photovoltaic (PV) panels at 12 sites across Trinidad and Tobago, selected from 164 respondents to a call for applications. Beneficiaries are Non-governmental Organizations (NGOs), Community-based Organizations (CBOs), schools and development organizations, some of which are in remote communities without access to a stable supply of electricity or none at all.

The Project has 4 Outputs:



Launch and Handover of the JC Mac Donald Home for the Aged in December 2023

Activities

- Installation of solar energy systems in public utilities and remote communities with the increased capacity to maintain solar power systems will contribute to building technical expertise and improving awareness on the benefits and potential of renewable energy.
- Support to the implementation of the new Renewable Energy (RE) and Energy Efficiency (EE), favorable policy, legislative and regulatory framework. This component will aim at maximizing the opportunities available to develop and implement appropriate policy measures and address the gaps in current policies. This support is being provided to the Ministry of Energy and Energy Industries (MEEI).
- A Public Awareness Raising Campaign on energy efficiency, correct pricing of electricity and renewable energy will seek to address the lack of understanding on the benefits of using renewable energy and adopting RE as part of an energy efficient culture.
- The distribution of the 12 sites by sector and location are set out below. Project savings would have allowed an additional 6 sites to be identified for solar PV installations.

Site Profiles



1. Reptile Conservation Centre of Trinidad and Tobago (RCCTT)
2. Caribbean Institute of Astronomy (CARINA)
3. Fisheries Division - Aquaculture Centre
4. Solar PV Equipment setup to convert sunlight into electricity

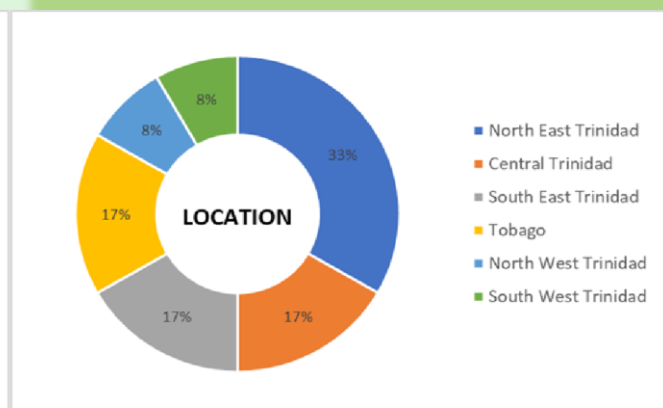
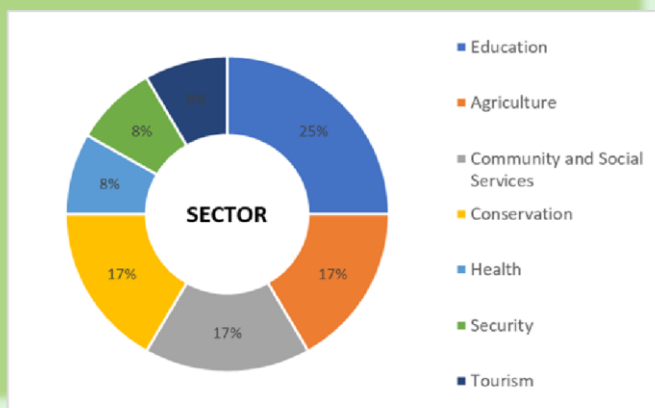


Profiles for all twelve sites receiving solar panel installations available at these links:

[GCCA+ - 12 sites for Solar PV in Trinidad and Tobago - Site Profiles - EU site](#)

[GCCA+ - 12 sites for Solar PV in Trinidad and Tobago - Site Profiles - UNDP TT site](#)

GCCA+ SOLAR INSTALLATION SITE DISTRIBUTION BY SOCIETAL SECTOR AND GEOGRAPHIC AREA



Status

Output 1

All twelve solar PV site installations were installed in 2022 and site handovers have taken place to the beneficiaries in 2023. The project has received all inspection certificates and RE generator licences from the Government Electrical Inspectorate and Ministry of Public Utilities respectively. Six (6) additional sites have been identified for solar PV installations, expected to be completed in early 2025.

Output 2

A Feed-in-Tariff Implementation Plan has been developed and submitted to and accepted by the Ministry of Energy and Energy Industries (MEEI).

A Renewable Energy Consultant has developed reports for the MEEI on national RE/EE baselines, options for incentive programmes and public-private partnership models pertaining to renewable energy. A Draft Renewable Energy Policy was also developed and submitted to the MEEI, which includes an implementation action plan. Capacity building on the impact of the RE policy, as well as formalized training on RE Power Purchase Agreements (PPAs) and RE Financial Modelling were delivered to government stakeholders.

A study tour to Chile took place in September 2022 and a second study tour took place in August 2023 to Jamaica and the Dominican Republic to learn about their experiences with RE/EE policies, barriers, and visit their existing RE installations.

Output 3

The Baseline Survey and Contextual Analysis was completed along with the campaign strategy. The implementation of a Public Awareness Raising Campaign targeted towards RE, Correct Pricing of electricity and EE is set to commence in October which make use of TV, Press and Radio media. This was supplemented through the publicizing of the solar PV launches throughout the year.

Output 4

Visibility of the project is increasing as installations were launched and handed over. People at the sites are seeing firsthand and via social media, how solar power generation can be integrated into their community. Donor visibility continues to be incorporated into print and video content as well as promotional items distributed at stakeholder events.

Site Installations: Completed



Fisheries Division of the Ministry of Agriculture, Lands and Fisheries – solar installation at the Aquaculture Facility, Valsayn, Trinidad.

Size of installation: **16 kW** CO2 avoided : **15,554 kg of CO₂ annually**



“We had a significant reduction in our electricity bill.” :
Addanna Peruse - President, Strong Ones Youth Club

Size of installation: **4.5 kW** CO2 avoided : **2,640 kg annually**



School Outreach Session at St. Anthony's Secondary School on climate change, renewable energy, energy efficiency and careers in the sector. Approximately 200 students attended this event.



“To have a power source that is more consistent and stable is an excellent solution for at least part of the school.” :Kion Orr - Physics Teacher, Speyside High School.

Size of installation: **5.4 kW** CO2 avoided : **3,042 kg annually**



Stakeholder Awareness Session with farmers and rural women CBO members on the GCCA+ project, its learnings and impact on communities.

Number of Stakeholder Awareness Sessions Conducted: 12
Total Number of Persons Reached: 404

Contacts

UNDP: kiran.harnanan@undp.org

EU Delegation: monica.paul-mclean@eeas.europa.eu

ABOUT GCCA+

Global Climate Change Alliance Plus (GCCA+) is a European Union flagship initiative aimed at helping the world's most vulnerable countries to address climate change. This EU initiative helps mainly Small Islands Developing States (SIDS) and Least Developed Countries (LDCs) increase their resilience to climate change. [Global Climate Change Alliance+ - Global Climate Change Alliance+ | Knowledge for policy \(europa.eu\)](#)

ABOUT UNDP:

UNDP is the leading United Nations organisation fighting to end the injustice of poverty, inequality, and climate change. Working with our broad network of experts and partners in 170 countries, we help nations to build integrated, lasting solutions for people and planet. Learn more at www.itundp.org or follow at @UNDPTT.