



Global Climate Change Alliance +

Factsheet | Edition
November 2020

Solar farm in Trinidad & Tobago

*Partner: Airports
Authority of Trinidad
and Tobago - AATT*

Duration: 24 months

*End of activities:
31/12/2021*

*Budget:
1,500,000 EUR*

*Disbursed:
1,000,000 EUR*

*Reference:
ENV/2019/413-562*

*Support to the Implementation of Trinidad and Tobago's
Nationally Determined Contribution*

Origins

A landmark project to install a solar farm at the Piarco International Airport. This project was initiated after positive results emerged from a feasibility study supported by the International Civil Aviation Organization (ICAO) and the European Union, which focused on capacity building for CO₂ mitigation from international aviation, and the use of renewable energy sources within the aviation sector in Trinidad and Tobago.



Purposes

The purpose of this contract is the award of a grant to finance the installation of a large-scale solar panel system at Piarco International Airport. Ground-mounted solar panels will be installed with an annual generation capacity of 1,443,830 kWh and the potential to avoid annually an emission of 1,010 metric tons CO₂. The premise of the project is to further effect a 40% reduction in CO₂ emission from aircraft operating in Trinidad and Tobago, by switching some 7.2% of the consumed electricity by AATT, from the grid to a renewable source – in this case solar PV.

Activities

- Installation of the photovoltaic system at airport
- Sustainable operation and maintenance procedures
- Dissemination of results



Once commissioned, the PV plant is expected to operate for twenty-five years. Regular maintenance is required to ensure that the plant continues to operate optimally. The successful Contractor will be required to train the resources assigned by the AATT to operate and maintain the plant.

Photovoltaic power potential

The dissemination of results is expected to continue after commissioning of the system. Communication and visibility will be a continuous process for airport terminal passengers and visitors. Public awareness aims at a population-wide change in behavior related to energy consumption.

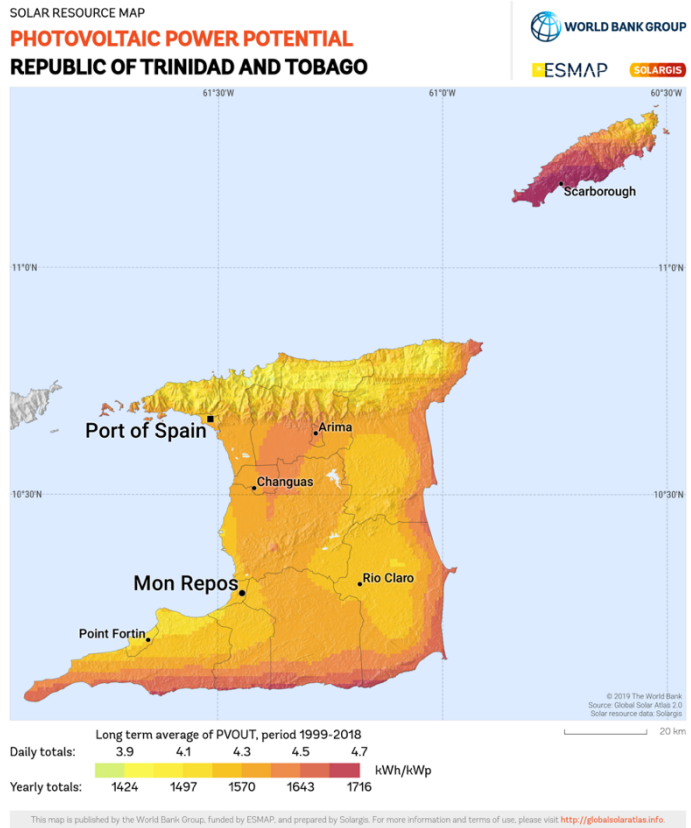
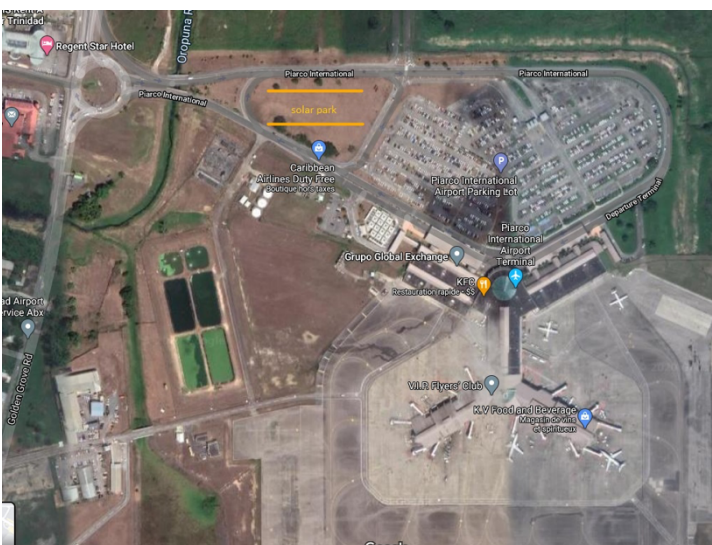
The Communication and Visibility Plan was approved by the EU delegation on July 17th 2020.

Activities achieved so far

Phase 1: Acquisition of Technical Consultant for the Implementation of Solar Park

Phase 2: Acquisition of Contractor for the Implementation of Solar Park

- Topographic and geotechnical survey reports are required to constitute part of the tender document for the acquisition of the Contractor
- Topographic survey commenced on June 15th 2020 and draft report is currently under review by AATT and the Technical Consultant
- RFQ is in the process of finalized for issuance of geotechnical survey.
- AATT is working with the Technical Consultant to finalize technical specifications of tender document



Stakeholders

AATT became the prime beneficiary of the Action. Other stake holders include Government of the Republic of Trinidad and Tobago (GoRTT), Ministry of Works and Transport (MOWT), Ministry of Energy and Energy Industries (MEEI), Ministry of Public Utilities (MPU), Ministry of Planning and Development (MPD), Trinidad and Tobago Chamber and Trinidad and Tobago Electricity Commission (T&TEC).

GCCA+ is one European Union flagship initiative which is helping the world's most vulnerable countries to address climate change. It is one of the Initiatives under the Global Public Goods and Challenges programme.

Contacts

AATT RMurray@tntairports.com
EU Delegation jose-manuel.alves-pereira@eeas.europa.eu



© European Union Delegation to Trinidad & Tobago

