


As a member of CARIFORUM, the Dominican Republic (DR) is also a beneficiary of TAPSEC. Currently, the generation of electricity in the Dominican Republic is mainly based on fossil fuels, contributing 1/3 to the inventory of Greenhouse Gases. In 2017, 83.3% of electric power generation was based on fossil fuels and only 16.7% was generated by renewable energy, of which only 3.4% were non-conventional renewable energy. In its climate targets, the Dominican Republic has committed to reducing its greenhouse gas emissions by one-third by 2030 compared with existing levels in 2010. The Dominican Republic passed legislation on renewable energy in 2007 as part of its endeavors to achieve these targets.

KEY INTERVENTIONS:

Energy Efficiency Law Dominican Republic



The TAPSEC, in collaboration with the Ministry of Energy and Mines (MEM), are working assiduously to create the right balance of policies to ensure renewable energy is robustly integrated into the country's current energy landscape. To achieve this, TAPSEC is supporting the establishment a One-Stop Investment Guide for RE licenses. This undertaking will result in the streamlining of an inter-agency mechanism for processes related to permits, certifications, and licenses for renewable energy imports thus opening the energy sector for both local and international investors to establish operations in tune with local regulations.

Renewable Energy Theme Park (RETP)

In Santo Domingo, Juan Bosh City, TAPSEC is supporting the establishment of a Renewable Energy Theme Park (PTER) through the execution of capacity development training for staff and financial support for an auxiliary backup system. The PTER is an Interactive-Interpretive renewable resources learning experience.

Supported by guided visits with trained staff, or through self-guided experiences via thematic stations groups and individuals will have the opportunity to increase their knowledge on renewable energy sources by visiting six (6) immersive stations, each illustrating renewable energy generation technologies, derived from six (6) renewable energy sources.



The PTER will feature the following stations and experiences:



Water Station

Windmill, mini hydroelectric, solar water pump, manual water pump, tidal energy (dynamic wave), wheel-mill Noria.



Biomass Station

Biodigester, briquetting machine, gasifier.



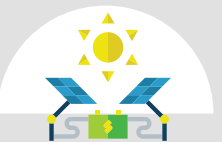
Air Station

Wind towers, wind-solar tower (combined), automated weather station and manual weather station.



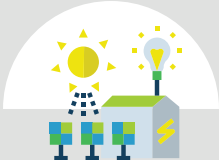
Leisure and Exercise Station

Machines (stationary bicycles and others) that generate energy with pedals, solar banks, didactic games about energy, hydraulic hammer, among others.



Sun Station

Smart Flower, solar panels, solar heater, solar tree, benches and trash cans with photovoltaic plate that feeds your screens, and solar lamps.



Rural Applications Station

Isolated photovoltaic system, domestic biodigester, Lorena stove, efficient stove.

POLITICAL COUNTERPARTS:



Ministry of Energy and Mines, Dominican Republic

DOMINICAN REPUBLIC

TAPSEC is supporting the execution of a comprehensive review assessing the challenges and technical requirements demanded of generation plants that use Variable Renewable Energy (VRE) as the primary source. This will facilitate the DR's transition to a generation park and a new grid code which allows for greater VRE utilization without compromising the quality and security of the supply.

Published by:

Technical Assistance Programme for Sustainable Energy in the Caribbean (TAPSEC)
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

CARICOM Secretariat
Turkeyen, Greater Georgetown, Guyana

T +592-222-0001 x 3502
I www.giz.de

Author and Editors:

Teocah Dove and Grace Williams

Programme/project description:

The Technical Assistance Programme for Sustainable Energy in the Caribbean (TAPSEC) supports the region's transition to a low-carbon, sustainable and climate-compatible development pathway, by increasing and improving access to modern, affordable and sustainable energy services.

Design/layout, etc.:

Cleaddon Brummell

URL links:

www.tapsec.org

Guyana, 2021

