

Global Climate Change Alliance Plus Trinidad and Tobago

“Support to the Implementation of Trinidad and Tobago’s Nationally Determined Contribution”

FISHERIES DIVISION – AQUACULTURE UNIT



When you think of farming you think of fields of crops growing or pastures of animals grazing. Farming also takes place in water (aquaculture) or with water (aquaponics). The Fisheries Division of the Ministry of Agriculture, Land and Fisheries, provides support to farmers engaged in both land and water farming.

Sustainable Development underpins the agenda for the Fisheries Division – Aquaculture Unit. They act as a knowledge center, schooling farmers on how to develop aquaculture systems and re-purpose the water used in fish farming as a nutrient rich water source for plants. They also provide the technical know-how to establish aquaponic farming, that is more environmentally friendly with lower usage of power, water, chemicals, and pesticides.



Many of the farmers that benefit from the demonstrations provided by the Aquaculture Unit operate in rural areas where their farms do not have access to a supply of electricity. In an age where technology is an essential part of our day-to-day, not being able to access and install technological support systems on site, limits farmers ability to employ the most modern techniques. These limitations render the farming sector under-developed, which goes against the grain of sustainable development goals.



It is with upskilling the agriculture sector in mind that the Fisheries Division partnered with the UNDP – GCCA+ team to help further the case for the widespread adoption of small-scale solar photovoltaic (PV) installations in vulnerable communities. This partnership provides a ready audience for demonstrations on contemporary methods of aquaculture / aquaponics, and of how solar PV systems work and can benefit users. The partnership also provides a means of monitoring and evaluating the potential and adoption of solar and renewable energy in Trinidad and Tobago.



Contacts:

UNDP: Name, Position | [@undp.org](mailto:info@undp.org) | www.tt.undp.org

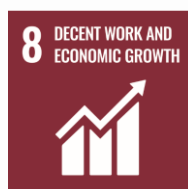
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TECHNICAL SPECS:

Site Name	Fisheries Division and Aquaculture.
Load Characteristics	Water pumps for Aquaculture
PV system size	15 kW
Estimate Annual Energy Production (kWh)	23854
Estimated CO ₂ Emissions avoided annually (kg of CO ₂).	15,554
Core Business	Agriculture and Fisheries

ALIGNMENT TO SUSTAINABLE GOALS (SDGs):



<https://www.un.org/sustainabledevelopment/>

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. <https://www.gcca.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.ttundp.org or follow at @UNDPTT.

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