

Global Climate Change Alliance Plus Trinidad and Tobago

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

J C MacDONALD HOME FOR THE AGED



The J C MacDonald Home for the Aged was established in San Fernando, Trinidad in 1931 and continues to this day to be a residential care home. The Home provides basic and primary health care for 30 – 40 persons whose families cannot take care of them. Volunteers assist at the Home, some on an on-going basis and others for social engagement. Residents delight in their interactions with volunteer groups; playing games, having spa days and musical entertainment.



Originally managed under the Presbyterian Church, the Home opens its admission to persons of all backgrounds. Residents contribute to their upkeep as they can, however they are largely dependent on donations and government subventions to cover their operational expenses. One of the highest expenses is the cost of electricity, which is required to run both domestic equipment and some health-related equipment, and in the case of the latter, the lack of back-up power creates vulnerabilities for residents who need special care.



Management at the J C MacDonald Home for the Aged has implemented climate-focused mitigation strategies, for example through the re-purposing of rainwater. Prior to learning of the GCCA+ Project, solar energy was already being contemplated for use at the home, so they feel strongly that a solar photovoltaic (PV) installation would be beneficial for both the production of electricity for the facility, and in furtherance of their strategy to provide excellent care.



Well-established in the community, the J C MacDonald Home is looking forward to being a beacon for others to learn about and adopt solar energy to achieve a clean and sustainable source of electricity.



Contacts:

UNDP: Name, Position | @undp.org | www.tt.undp.org

J C MacDonald Home for the Aged: Kelvin Harnanan, Manager | kelvinharnanan@hotmail.com

www.gcca.eu | info@gcca.eu | www.ec.europa.eu/europeaid | <https://europa.eu/capacity4dev/gcca-community>

TECHNICAL SPECS:

Site Name	J C MacDonald Home for the Aged
Load Characteristics	Commerical Load
PV system size	10 kW
Estimate Annual Energy Production (kWh)	15445
Estimated CO ₂ Emissions avoided annually (kg of CO ₂).	10071.1
Core Business	Home for the Aged

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:

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