

# RAIN WATER HARVESTING (RWH) & RENEWABLE ENERGY (RE)



## TRINIDAD & TOBAGO HABITAT FOR HUMANITY – (RWH)

### Lessons Learnt:

It is critical to have signed contracts (rather than MOUs) from agencies committing in-kind materials to the project. If signed contracts cannot be obtained, this is an indication that in-kind donations are not secure, and that local matching funds should be sought up front. Also, much improved estimates of construction costs must be obtained during the grant writing process. A few of the potential beneficiaries should be visited by an engineer for cost estimates. We note that this necessity will pose a problem, as funding of the estimate stage must be provided by Habitat upfront, before the grant is approved.

### Beneficiaries

8 retaining walls serving 50 persons; 5 Rainwater harvesting systems serving 23 persons; 1 Community project (bathroom facilities for Community Centre) serving at least 400 persons; 150 trees planted; and 50 persons trained in one or more landslide mitigation techniques (retaining wall construction and maintenance, rainwater harvesting system construction and maintenance, tree and ground cover planting and care). In total, the project sought to have 400 persons served.

All trainings were implemented by females, the inspection and design engineers were both females, and the National Director and Grant Writer were also females. The Habitat Construction Coordinator and Site Supervisor roles were occupied by males.



## BARBADOS MULTIPLE SCLEROSIS SOCIETY (RE) (RWH)

### Lessons Learnt:

This project was initially intended to include 6 rainwater harvesting systems, but because of regulations that prevent rainwater systems being connected to household systems only 3 beneficiaries elected to pursue this approach. Many of the gardens where the tanks were installed were inaccessible. This posed a challenge for monitoring and evaluating the standard of work. Make sure to have prior knowledge of the state of beneficiaries' electrical supply before committing to providing them with tanks and pumps.

### Beneficiaries

The project had 32 beneficiaries from the MSSB society and MS community. 29 homes fitted with 400 -gallon tanks. 3 homes fitted with RWH systems.

To date, 4 men with disabilities have benefitted from the project. The decisions were based on membership of the Society, interest and identified need. For example one man had his home rewired. The figures do not include men performing the duties of caregivers. Most of the beneficiaries were women with disabilities including households with children.

## ST. VINCENT & THE GRENADINES UNION ISLAND ENVIRONMENTAL ATTACKERS (RWH)

### Lessons Learnt:

Make sure that the tanks reach in time so that persons can prepare for the wet season and store enough water. Make sure money is there to pay workmen at a reasonable time so there will not be any hold up on the job. It would be beneficial to secure a budget for water treating for all households.

### Beneficiaries

100 households from Union Island benefitted from the project with 54 coming from Ashton and the remaining 46 from Clifton. Of these 6 households have elderly persons and another 2 with disabled individuals.

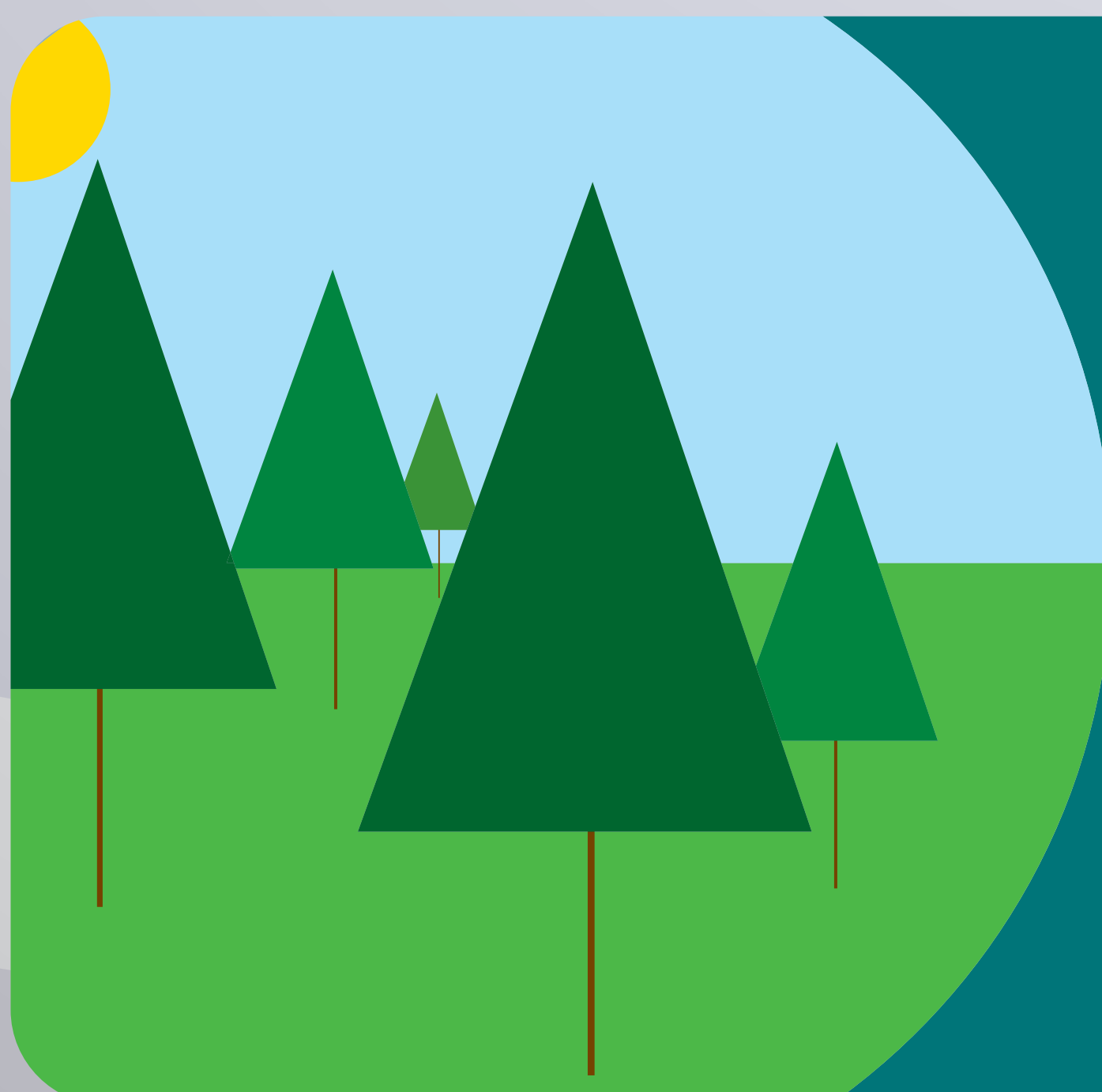
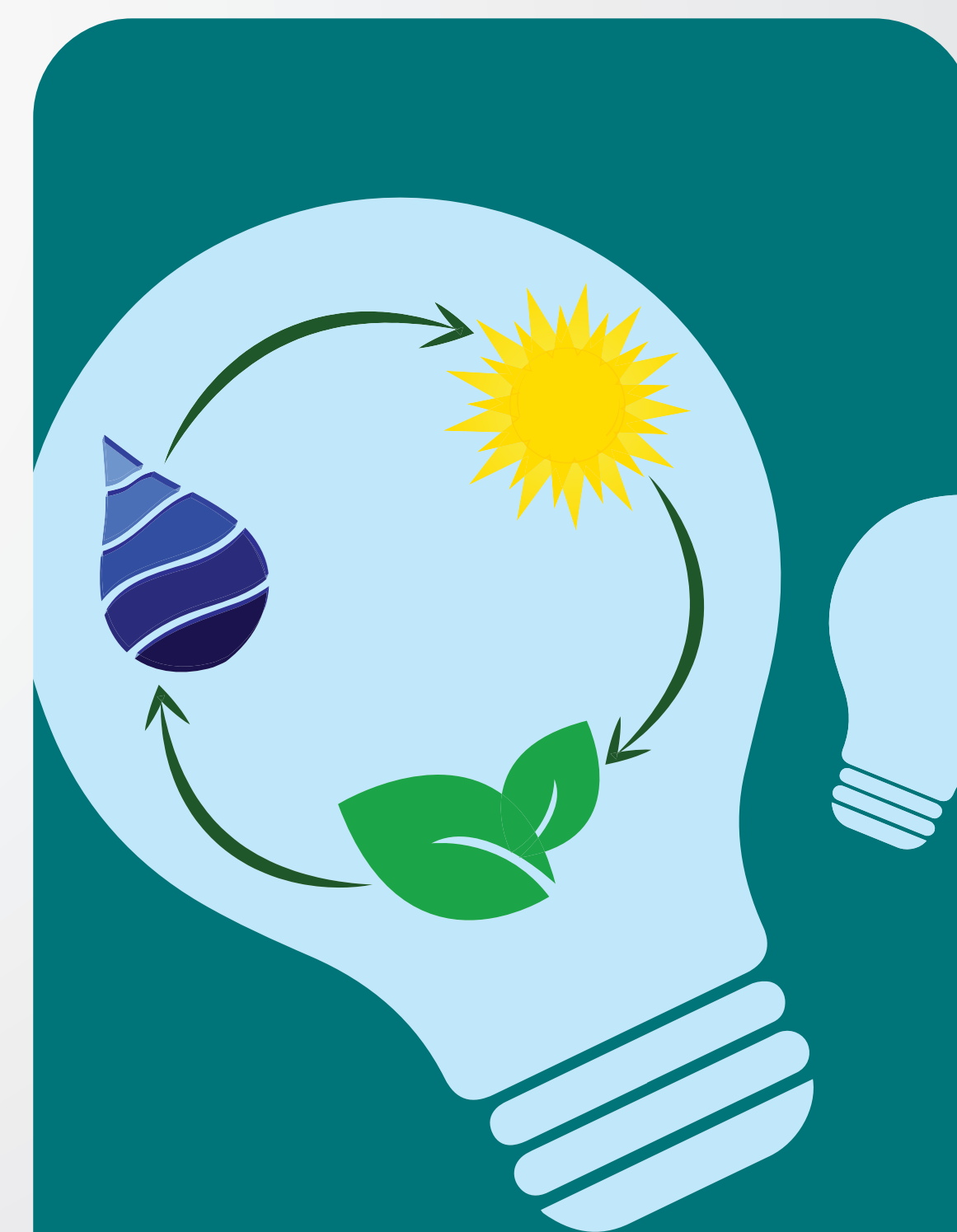
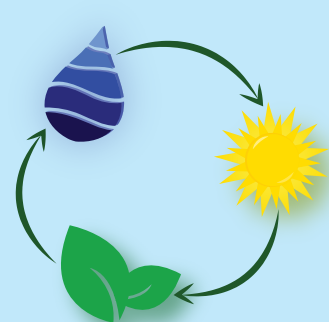
## BARBADOS AMATEUR RADIO SOCIETY OF BARBADOS (ARSB) RENEWABLE ENERGY(RE).

### Lessons Learnt:

An earth line had to be installed to run from the meter to the solar system. Originally there was no soil there and due to that, they were delays with the installation of the solar system. The involvement of more schools, the church and community organizations within close proximity of the ARSB would have been beneficial. This would generate more interest and awareness on how the solar system was set up.

### Beneficiaries

The community surrounding the ARSB benefits from improved lighting and security. The Barbados Boy Scouts come to the Club for communications training; the Western Light Tabernacle Church, the Spirit Life Centre and St John the Baptists Church Dance Group use the facilities for various activities. Overall, approximately 200 plus residents in the area benefit from the project.



"In 2017, when the island chain was threatened by Hurricane Maria, we took great comfort in the fact that we here at the Amateur Radio Society of Barbados had a source of reliable power which was funded by the Canadian government, who donated the funding to provide a solar voltaic system."

*Ex-President of the Amateur Radio Society of Barbados*  
RONALD NURSE

Canada

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