

DREAM ACHIEVERS EDUCATION FOUNDATION
SAINT KITTS AND NEVIS

PROJECT CONCEPT FORM

COMMUNITY: *St. Kitts and Nevis*
SUBMISSION DATE: *July 15, 2018*
SUBMITTED TO: *Ministry of Agriculture, Human Settlement, Cooperatives and Environment*

Project Tentative Title:
Sustainable Adaptation Water Conservation Action Plan (SAWCAP)

Name of Organization:
Dream Achievers Education Foundation aka DAeF

Mailing Address:
Brighton Estate, St. Mary's Parish, Saint Kitts, West Indies

Street Address: (If different from the Mailing address)
P.O. Box 6008
Brighton Estate
St. Mary's Parish
St. Kitts, West Indies

Telephone: *869-762-5952*
Fax: *n/a*
Email: *foundation.dreamachievers@gmail.com*

Project Contact:
(Name and Position) *Necola Charles (President and Chair of the Board)*

Approximate Funding Request: (local currency XCD) **\$135,000 XCD**

What is the estimated duration of the project? *2 years (\$50,000 USD per year)*

Proposed Project Starting Date (if applicable): *November 1, 2018*

Proposed Project Completion Date (if applicable): *April 30, 2020*

DESCRIPTION OF THE PROJECT CONCEPT

(Please create the necessary space or use additional paper where necessary)

(1) Briefly describe the environmental problem(s), issue(s), need or opportunity you wish to address.

Phase 1: Construction of Cisterns/Dams for the water conservation process

The Intergovernmental Panel on Climate Change (IPCC) projects earth's average temperature will rise 1.1 – 6.4° C (2.p – 11.5 ° F) during this century. Current trajectory is already outpacing projections. Furthermore, extreme weather events such as crop-withering heat waves and drought are becoming more frequent and more intense. For every 1° C rise in temperature above optimum during the growing season, crop yields can drop by 10% according to the IPCC report.

Water shortages within the Federation affect one in every five household daily. Instead of allowing rainwater to go to waste, a cistern allows one to utilize it for many purposes, thus reducing the burden on our present water system. Most people in the world get their water from a well, but this is a very environmentally damaging policy. For example, in northern India, farmers now have to drill more than 500 feet into the ground just to get water. Water sources on our earth are finite, and the larger the population grows, the more stress is placed on our natural water systems, leading to water depletion and dry, arid land areas. Each household collecting their own water, especially during periods of heavy rainfall, prevents water from being depleted from the earth's natural sources.

The Sustainable Adaptation Water Conservation Action Plan (SAWCAP) seeks to resolve this environmental problem by educating the population on the effectiveness of cisterns (for each household) and groundwater dams (for farmers) installation in the water conservation process and overall benefit on the environment. The project will also seek to amend the National Conservation and Environmental Protection Act by engaging government agencies in the dialogue. SAWCAP will also provide recommendations for the implementation of policies at the community level to related government agencies and draft legislature for approval at Cabinet. The action plan will also seek to modify local building codes.

Phase 2: The recycling of plastic bottles to construct roads

Phase 2 of the project will include a plastic bottle recycling initiative that uses a plastic augmented process to construct roads. Consultation will be conducted through British Engineer, Toby McCartney of MacRebur who has devised an innovative process to replace the crude oil-based asphalt in pavement with tiny pellets of plastic created from recyclable bottles. The result is a street that's 60 percent stronger than traditional roadways, 10 times longer-lasting, and a lot better for the environment, according to McCartney.

Moreover, the plastic pollution is one of the greatest threats to the health of the ocean worldwide. It negatively impacts sea turtles, whales, seabirds, fish and to a larger extent the coral reefs. Creating a solution that would reduce the amount of plastic waste will greatly benefit the marine environment.

Phase 3: The recycling of plastic bottle covers for the manufacturing of prosthetic limbs.

This initiative is in support of the Prosthetic Limbs Campaign initiated by the Qatar Petroleum's Corporate Health Safety and Environment Department.

(2) Describe the likely strategy or strategies you will use to address the problems, issue(s), need or opportunity you have identified?

There will be a series of workshops, seminars, awareness campaigns, interviews and trainings utilized to address the problem identified. The project is expected to target and engage faith-based organizations, civil society organizations, youth-led organizations, community households, schools, NGO's and female-led

organizations. SAWCAP will also consult with local, regional and international environmentalist and engineers during the project planning and implementation process. The project is expected to draw experts from the Caribbean Community Climate Change Center, the Caribbean Health Agency (CARPHA), TEMA, the National Science Foundation and the Center for Hemispherical Cooperation in Research and Education in Engineering and Applied Science.

Moreover, to promote awareness of the objectives of the project, the organizers intend to use a social media platform, press/media releases, television and radio interviews and e-mail broadcasts. You can find more about what we do at <https://www.facebook.com/dreamachievers869/>.

(3) *Description of organization**:

Date established: August 1, 2015

What is the mission and purpose of the organization?

“The purpose(s) of this Non-Profit Organization shall be to build entrepreneurial capacity and create opportunities for future leaders while strengthening youth-led initiatives in the Federation of St. Kitts & Nevis on a global and regional level for sustainable development. The Foundation focuses on the areas of leadership and service to accomplish this objective.

DAeF provides education by hosting training, workshops, lectures series and awareness campaigns in schools, libraries, government agencies, and in other public/private organizations to provide facts, statistics, and other related data to develop action plans and to raise social consciousness about activities and solutions for the advancement of youths and the wider community. Our programs include but are not limited to promoting eco-friendly habits, advancing human rights, promoting mentorship and capacity building opportunities and also to strengthen community resiliency. To maximize our impact on current efforts, the organization may seek public-private partnerships and may engage in fundraising initiatives.”

What are the goal(s) and/or objective(s) of your organisation? (Please list)

The goals and objectives of the DAeF are to provide:

- education by hosting training, workshops, lectures series and awareness campaigns in schools, libraries, government agencies, and in other public/private organizations to provide
- facts, statistics, and other related data to develop action plans and to raise social consciousness about activities and solutions for the advancement of youths and the wider community.

Our programs also include but are not limited to promoting eco-friendly habits, advancing human rights, promoting mentorship and capacity building opportunities and also to strengthen community resiliency. To maximize our impact on current efforts, the organization may seek public-private partnerships and may engage in fundraising initiatives.

(4) *What is the estimated cost of the project? (XCD\$ Local currency) \$135,000 ECD per annum*

Approved by:

Necola Charles

Name (Please type)

NGO representative

President

Position

Charles

Signature

July 15, 2018

Date