



**Project Title:** Green Architecture Promotion Pilot (GAPP) toward Building Resilience to the Adverse Effects of Climate Change

**Project Country:** St Lucia

**Responsible Organization:** Renewable Energy Division  
Department of Sustainable Development  
Government of St Lucia

**Proposed Budget (USD):** JCCCP Grant Funding: \$388,925.93  
In Kind Contributions: \$27,388.80  
Total Budget: \$416,314.73

### Project Objective

The overall objective is to improve national energy efficiency, increase renewable energy penetration and reduce greenhouse gas emissions.

### Selected Focal Areas

This project will incorporate the following focal area identified under Outcome 2 of J-CCCP:

- Water Resource Management
- Sustainable Agriculture
- Renewable Energy and Energy Efficiency

### Targeted Stakeholder Groups

- Vieux Fort Comprehensive Secondary School
- Forestiere Methodist Combined School
- Des Barras Combined School



## Project Activities

- Efficient renewable energy generation, including installation of solar photovoltaic systems with battery storage. Energy produced will be used to offset the consumption of energy from the grid, reducing the operational cost of the facilities. These systems, complete with battery storage will also serve as a backup power source in the community following an extreme event
- Energy Audits in each facility will be tendered prior or in parallel to the tendering process of the PV systems ensuring that electricity is being used efficiently according to international standards
- Water management, including rain water harvesting to provide non-potable water to be used in efficient toilets and for irrigation. The plumbing for the Rainwater (RW) system shall be completely isolated from the potable water plumbing
- Climate resilient agriculture through greenhouse infrastructure using gravity-fed irrigation sourced from harvested rain water
- Provide LEED certification training for six technical officers within the Government of Saint Lucia. These persons will be selected from the Departments involved in design, maintenance, permitting, environmental management and energy management

