

**MINISTRY OF SCIENCE, TECHNOLOGY ENERGY AND MINING
PROJECT SUMMARY**

PROJECT	AMOUNT	FUNDING AGENCY	OBJECTIVES OF THE PROJECT
Energy Security and Efficiency Enhancement Project	US\$15 Million (Loan)	International Bank for Reconstruction and Development	<ul style="list-style-type: none"> • To promote private sector investment in the energy sector by updating the regulatory framework, preparing projects for investment decisions and increasing the contribution of renewable energy in electricity; • To improve energy efficiency and security in key areas of the economy, including implementation of fuel diversification through development of the gas strategy and fuel switching; • To strengthen institutional and technical capacities in the Energy Division (MSTEM) for policy and strategy formulation, investment planning, project and programme implementation and sector regulation.
Energy Efficiency and Conservation Loan Preparation Facility	US\$20 Million (Loan)	Inter American Development Bank	<ul style="list-style-type: none"> • The objective of the project is to enhance Jamaica's energy efficiency (EE) and energy conservation (EC) potential through the design and implementation of cost savings EE and EC measures in the public sector.
Low-Carbon Energy Road Maps for Small Island States in the Caribbean (formerly Low Carbon Energy Road Map for Jamaica)	US\$210,000 (Grant)	Government of Germany	<ul style="list-style-type: none"> • Provide stakeholders, with a comprehensive country overview of renewable resource and energy efficiency potential including additional renewable resource mapping and assessment; • Identify renewable energy generation sites in Jamaica and augment current resource mapping; • Work with civil society leaders and government officials to evaluate current policies and regulations and analyze barriers to a low carbon energy future; • Provide government officials with a detailed plan to develop a low carbon energy future that shows the effects on energy costs, green jobs, business opportunities and greenhouse gas emission reduction; • Provide a carbon impact monitoring and evaluation tool for assessment carbon emissions and progress towards sustainable energy future; • Build support for roadmap solutions through buy-in by utility providers, business leaders, lawmakers, regulators, and local communities. At least 5 NGO partners, 10 business partners, and 5 political partners will be identified.
Caribbean Hotel Energy and Action Project	US\$667,000 (Grant)	Inter-American Development Bank	<ul style="list-style-type: none"> • To improve the competitiveness of the Caribbean hotel industry; • To migrate towards higher Energy Efficiency and Micro-Generation with Renewable Energy and contribute to compliance with the Montreal Protocol.
Wind Powered Irrigation Feasibility Assessment	US\$60,000 (Grant)	Organisation of American States	<p>The Ministry of Science, Technology, Energy and Mining will execute the project in conjunction with the National Irrigation Commission (NIC). The aim is to use wind power to replace fossil fuel and improve energy efficiency. Jamaica intends to expand its Renewable Energy (RE) portfolio and these wind projects and the related regulatory solutions (wheeling) can support the country's goal to generate 20% of its energy from Renewable Sources by 2030. Specific objectives include the following:</p> <ul style="list-style-type: none"> • Evaluate the power need and load profile prior to and after the recommended energy efficiency measures are implemented; • Evaluate the wind technology best suited for such power need and load; • Evaluate the technical solutions for linking the wind power to the grid; • Provide preliminary engineering design and cost estimates for a wind solution; • Evaluate wheeling as an alternative to sales of the electricity under a Power Purchase Agreement (PPA); • Develop models for replication of the wind solution to other projects.

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Capacity Development for Energy Efficiency and Security in Jamaica (UNDP)	US\$100,000 (Grant)	United Nations Development Programme	<ul style="list-style-type: none"> • Increase the national capacity for energy efficiency and energy conservation within the public sector, in an effort to achieve reductions in public sector energy costs; • Pilot renewable sources of energy by / through the construction of a number of small scale wind turbines; • Establish a platform for dialogue between the public and private sectors to ensure information sharing with respect to energy efficiency.
Establishment of OLADE's Caribbean Sub-Regional Office in Jamaica	US\$136,724 (Grant)	Latin America and Caribbean Energy Organisation	<ul style="list-style-type: none"> • The purpose of the project is to contribute to the establishment and operation of the OLADE Caribbean Sub-Regional Office in Jamaica.