



## SURINAME'S EXPERIENCE

### TITLE: Development of Renewable Energy, Energy Efficiency and Electrification in Suriname

**Country:** Suriname

**Institution:** Ministry of Natural Resources

**Type of Institution:** Public

**Other institutions involved:** Ministry of Natural Resources, The National Electricity Company, Inter-American Development Bank

#### Context

This project will promote the use and development of renewable energy (RE) and energy efficiency (EE) in Suriname. RE is a major part of Surinam strategy towards 2020, as it is recognized that the country has vast potential for the exploitation of renewable resources, including solar, hydro and bioenergy. Moreover, renewable resources can provide a solution for the electrification of the interior, where currently around 15% of the population has no access to electricity and the rest is supplied by diesel generation. The project will also assess the potential for the use of EE measures, and support policy and regulation to promote the use of Re and EE measures in Suriname.

#### Objectives

The specific objective of this component is to devise a national strategy and to design an enabling legal and regulatory framework for the introduction of RE and the promotion of EE technologies in Suriname. The strategy will be part of the national action plan to design a modern institutional and regulatory energy framework for Suriname. The strategy will promote the introduction of Renewable Energy Technologies (RETs) to deliver electricity to the interconnected areas in the coastal plain under public and self-supply business modalities. The strategy will further set goals for the electrification of the hinterlands using RE technologies and encourage the development of sustainable business models and operation & maintenance (O&M) modalities.

#### Relevance

Low cost energy prices for production and reducing the sectors emission of greenhouse gases.

#### Implementation

Preparatory activities include detailed feasibility studies and technical designs for the RE demonstration pilots that have passed the selection process. This process involves completion of prefeasibility or feasibility studies, consultations with user groups, as well as criteria to judge socio-economic impact, cost-effectiveness, risks, visibility, and replication potential.

**Distribution of tasks**

The EA is responsible for, inter alia: (i) the technical execution of Project activities; (ii) selecting and contracting of consultancies, and procurement of works, goods and related services; (iii) reviewing and approving consulting products; (iv) registering accounting information of Project funds; (v) managing consulting contracts and processing payments for consulting services and procurement of goods; (vi) reporting periodically to the GEF and the IDB on the technical and administrative activities of the Project; (vii) monitoring of Project progress towards outcomes and goals, and the identification of needs for adaptive management; and (viii) preparing and presenting progress reports. The activities in Component III that are part of the Technical Cooperation ATN/ME-13406-SU will be executed in coordination with the FOB. The staff for the Project Executing Unit (PEU) at MNH will be composed of the following dedicated consultants: (i) project manager; (ii) procurement specialist; (iii) financial specialist; (iv) electrical engineer; and (v) a social-environmental specialist. The Project Manager (PM) will be responsible, among others, for the preparation of the Terms of Reference and support for the selection process of contracted consultancies, services and procured goods; review of the products delivered by consultancy firms, budget administration, logistics, local support and coordination among the stakeholders. The PM will also prepare the Annual Operation Plans (AOP) to assist the EA in the execution and supervision of the Project. The PM will have responsibility for the delivery of the anticipated results outlined in the AOP. The PM will report to the PSC, and the EA.

**Experience and Sustainable Results**

Yes, The specific objectives are to incorporate in the power sector framework and institutions the use of RE and EE technologies, to reduce the long-term operational costs of on-grid and off-grid electricity service, and implement sustainable business models for its operation and maintenance.

**Modalities to replicate the exchange**

- a. Information sharing
- b. Experts visits
- c. Technical tours
- d. Videoconference
- e. Workshops
- f. Peer review

**Key persons involved in the design, implementation, and evaluation**

The Ministry of Labor, Technological Development and Environment, Minister Michael Miskin  
 The Ministry of Regional Development, Minister Stanley Betterson, L.L.M.  
 The Ministry of Natural Resources, Minister Ing. Jim Hok

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