



Pacific Centre for Renewable Energy and Energy Efficiency

## **PCREEE Mobilising Investments in Energy Efficiency Programme**

### **(PCREEE MIEEP)**

#### **1. Background:**

The Pacific Centre for Renewable Energy and Energy Efficiency (PCREEE) was established under the Pacific Community (SPC) in Nukualofa, Tonga in April 2017. Its objective is to improve access to modern, affordable and reliable energy services, energy security and mitigation of negative externalities of the energy system (e.g. local pollution and greenhouse gas (GHG) emissions), by promoting renewable energy and energy efficiency investments, markets and industries in the Pacific Island Countries and Territories (PICTs).

Although Energy Efficiency (EE) is considered one of the crucial areas to reduce GHG emissions, EE remains underdeveloped in the Pacific region and it is only briefly mentioned in national plans or the National Determined Contributions (NDCs). EE has been identified as a niche area of opportunity for PCREEE to further enhance regional and national energy policies, support in the area of capacity building and increase the needed awareness to boost energy sector across the lighting, appliances (solar heating), transportation and building sectors (including industrial and touristic premises).

#### **2. PCREEE Strategic Programme Area 4 – Energy Efficiency Investment**

The PCREEE's EE investments is aimed at enhancing the competitiveness of manufacturing industries in the Pacific region by improving and harmonizing national energy policies, regulatory frameworks and institutional capacity building for domestic, industrial, and commercial EE programme and the implementation of energy management systems.

The Pacific Appliance Labelling and Standards Programme (PALS) commenced from 2012 and completed in 2019, was able to establish minimum energy performance labelling and standards (MEPSL) for lightings, fridges, freezers and AC for various PICTs. The PCREEE will support PICTs in expanding its MEPSL to other appliances such as washing machines, tumblers, dryers, dishwashers, ovens, hot water production, motor, and supply equipment.

PCREEE will also assist PICTs in determining a significant reduction in their energy use and costs while maintaining efficient operation and services. This includes assessing the energy performance of buildings, conducting energy audit, and defining minimum energy performance standards for new and existing buildings.

The PCREEE will collaborate with domestic and international financiers and PICTs-relevant agencies to design a pathway to mobilise financial instruments that are suitable for the private sectors and public agencies.

Due to the dependency of the PICTs on imported fossil fuel and the increasing cost-impact of this dependency, there is an urgent need for energy efficiency consumption. Additionally, the development of a robust and effective legislation, regulatory frameworks and strong institutional structures to ensure

sustainability and scalability, measures to stimulate innovative market mechanism, and the promotion of energy efficient behavioural changes have so far not been given much attention and priority in the PICTs.

The PCREEE MIEEP programme aims to cover EE investments in the industrial and buildings, public sector and residential sector.

### 3. Objective

To enhance the competitiveness of manufacturing and service industries in the Pacific Region while reducing GHG emissions by mobilizing additional investment for public institutions and private sector organisations in the market of domestic, industrial, and commercial EE.

### 4. Target Outputs

**Output 1: International standards developed or adopted for lighting equipment, and thermal efficiency including the potential inclusion of such energy standards in building codes.**

Technical Assistance (TA) including:

- Conduct validation workshops for local stakeholders to discuss proposed national or regional standards to be adopted
- Technical advice to operationalize adopted EE standards and regulations
- Support research and piloting of EE appliances and practices that comply with proposed MEPSL
- Support national public awareness events to promote innovative EE research, adoption of EE appliances, building performance, behavioural change and EE-related practices

**Output 2: Assistance provided to PICTs for adopting energy conservation practices for the design, construction, and utilization of EE facilities.**

Technical Assistance (TA) including:

- Support the review of national Building Codes and industry practices
- Support and conduct targeted training and workshops for the building and the transport sectors
- Support and conduct energy audits to identify EE opportunities in the government, tourism, industry, business, and the residential sectors
- Support research and feasibility on building performance standards, design and practices especially for development of EE Building codes, policies and certificates.

**Output 3: Access to financing via different instrument facilities**

Technical Assistance (TA) including:

- Conduct EE Investment Forums / consultation workshops to present EE opportunities to potential financiers and investors
- Provide technical assistance in drafting and reviewing EE funding proposals
- Conduct studies on potential EE financial instruments and incentives, including the establishment of seed funding grants



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## **5. MIEEP Content – How it Works**

### **a. Funding**

Funding for TA is between USD 10,000 to USD 25,000. Payments under the Programme will be made according to SPC's Procurement policies.

### **b. Eligibility Criteria**

- Must be a member country of SPC
- Applicants are government-registered entities
- Proposal must be specifically on RE and/or EE for sustainable energy eligible activities
- Demonstration of a co-financing support
- Implementation period shall not be longer than 12 months
- Compliance with national policies and standards

## **6. Possible Partners:**

The PCREEE will closely collaborate with national energy agencies and other regional and international partners for developing and promoting of EE Investment for a sustainable energy future in the PICTs.

## **7. Accelerated Process for accessing support from the MIEEP**

- An initial email / contact to the PCREEE from applicant indicating interest and need for support
- PCREEE team member work together with applicant to develop a 2 pager concept note
- Co-financing support and implementation details are confirmed
- PCREEE signed official letter confirming support
- Project Implementation
- Reporting (based on the contract)
- **Initial Contact – Project Implementation should take 2 – 4 weeks.**

**End**