

ADVANCING METROLOGY FOR ENERGY EFFICIENCY MEASUREMENT AND COMPLIANCE IN CENTRAL AMERICA AND DOMINICAN REPUBLIC

(ACRONYM: M4EE- METROLOGY FOR ENERGY EFFICIENCY)

BENEFICIARY COUNTRIES: Belize, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama

PROJECT DURATION (M4EE): November 2016 - November 2020

GOAL: To contribute to a sustainable energy policy development in the context of the Central America Integration System (SICA)

PURPOSE: To strengthen capabilities of government officials and technical stakeholders in SICA Member States to perform energy efficiency measurement and compliance assessments in equipment and appliances.

DESCRIPTION:

In 2016, the SICA Member States developed the Central American Technical Regulation (RTCA) on energy efficiency, which establishes minimum energy performance standards (MEPS), testing methods, and performance labels for household appliances and equipment, such as lighting fixtures, refrigerators, air conditioners, and motors. The RTCA is a direct response of SICA member states to support energy efficiency and conservation in the region. Once the energy efficiency RTCA is approved by the energy ministries of the ten SICA member states, it will become mandatory.

The **M4EE** project submitted herein will contribute to the implementation of the energy efficiency RTCA through training on measurement science in support of compliance and testing to high-ranking government officials and technical stakeholders engaged in the implementation and enforcement of national policies, laws and regulations on energy efficiency in Central America and Dominican Republic. In this regard, the technical support in measurement sciences (i.e., metrology) provided the U.S. National Institute of Technology and Standards' will play a vital role as it will provide tools to government officials and technical stakeholders to design execute and assess energy efficiency standards, technologies and practices.

Training to be delivered will include knowledge sharing, best practices, technical exchanges and regional cooperation. Further, the proposed project will raise awareness among high-ranking government officials and technical experts with regard to the importance of metrology in augmenting pollution mitigation efforts.

Ultimately, the project will help to accelerate and intensify the actions and investments needed for a sustainable low carbon future in Central America and Dominican Republic.