VIETNAM CLEAN ENERGY PROGRAM: ENERGY EFFICIENCY PROMOTION IN THE BUILDING SECTOR

2014 - 2017 | IMPLEMENTER: WINROCK INTERNATIONAL

Energy consumption in Vietnam's building sector is growing quickly as a result of rapid industrialization and urbanization. Urbanization, projected to grow to 45 percent by 2020, is driving up energy demand in buildings with the urban population's increasing energy needs. The resulting greenhouse gas emissions (GHGs) are a challenge; with overall energy consumption projected to more than triple between 2010 and 2020, Vietnam faces tremendous challenges in meeting its growing electricity needs. The USAID Vietnam Clean Energy Program supports Vietnam in promoting energy efficiency in this high energy use sector. The program supports the formulation and promotion of Ministry of Construction (MOC)'s Green Growth Action Plan to increase energy efficiency in the building sector, and improves the capacity of the GVN to implement and monitor the Vietnam Energy Efficiency Building Code (VEEBC).

ENHANCES CAPACITY FOR ENERGY DATA

The project improves the capacity of the Government of Vietnam to acquire, manage, analyze, and use building energy data for decision-making. This will strengthen the MOC's ability to simulate and measure energy performance of buildings to ultimately help MOC conduct and evaluate data-driven policy scenarios for the building sector.

PROMOTES GREEN BUILDING AND TECHNOLOGIES

The project develops and disseminates data on existing, high performance, and state of the art energy efficiency practices, technologies, equipment and materials; introduces energy demand management practices; and informs and trains government officials, building owners, and members of professional associations, and university staff members and students on VEEBC implementation and compliance for new and existing buildings. Integration of energy efficiency measures into building design and management is critical to reduce GHG emissions.

RESULTS

The program has strengthened Vietnam's energy efficiency policy through a comprehensive review of regional and international green building certification systems. The resulting policy recommendations enable Vietnam to choose the best certification system for its country context. The ongoing development of a comprehensive national database on building energy performance means the Government of Vietnam, for the first time, can project future energy and GHG use and potential energy and GHG savings and improve policy decisions for lower emissions growth.

In the photo: Energy efficiency awardee

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