



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

2012 - 2017 | IMPLEMENTER: WINROCK INTERNATIONAL | PLANNED BUDGET: \$9,000,000

Energy consumption in Vietnam's building sector is growing quickly as a result of rapid industrialization and urbanization. The overall energy consumption is projected to more than triple between 2010 and 2020. The USAID Vietnam Clean Energy Program partners with the Ministry of Construction to implement the Vietnam Energy Efficiency Building Code (VEEBC) and provide technical assistance to formulate the Ministry's Green Growth Action Plan (GGAP). It works with the Departments of Construction in Hanoi, Hai Phong, Da Nang, Ho Chi Minh City and Can Tho, universities, research institutions, private sector and professional associations. The program promotes energy efficient activities in the construction sector..

## ENHANCES CAPACITY TO USES BUILDING ENERGY DATA

The program supports the Ministry of Construction to draft guidance documents on data collection and building energy analysis and to disseminate the sector's energy efficient technologies and practices. The program works with local partners to establish and maintain the Building Energy Efficiency database, which will create energy baseline and benchmarks for different building categories in various climate zones. The program also reviews development plans for the formulation of the sector's GGAP through 2020 and vision to 2030.

## INCREASES ENERGY EFFICIENCY IN BUILDING SECTOR

The program offers building owners free technical support to provide building energy simulations that can help them achieve substantial energy reductions for their newly-designed and retrofitted building demonstration projects. The program offers training on integrated design, building energy simulation and incorporation of energy code requirements into construction processes. The program also provides urban managers and leaders with the expertise from American green building and sustainable urban energy development experts.

## RESULTS

So far, some 3,000 architects, engineers, project managers, government officials and practitioners from 40 of 63 provinces have benefited from the program's training courses, receiving technical knowledge and skills to effectively enforce and implement the VEEBC. The program has offered energy saving solutions to four building owners in Hanoi and Ho Chi Minh City. The program has surveyed 280 buildings to develop a national database on building energy performance. As a result, the program expects Vietnam to be able to project potential energy saving and enhance information-based policy decisions.