

Abstract

Climate change and global warming from human emissions are important factors affecting the environment and the development of highland communities. The understanding and encouraging of communities to change and reduce greenhouse gas emissions including creating a motivational group will be a sustainable development path also the community will be able to cope with the change that will happen. This project is the third consecutive year. It aims to study the effects of upgrading and developing the Royal Project community as a model of low carbon and sustainable highland communities. The results are as follows: 1) Improvement of the development of 12 communities in 11 Royal Development Projects to the low carbon community with supporting by agency. The score showed in the range of 79 to 93, Pang Bong community in Pa Miang Development Center and Ban Pok in Teen Tok Development Center have the highest score at 93 percent, followed by Ban Huai Nam Kiew in Huai Pong Development Center and Ban lao in Mont Ngo Development Center showed the same score at 86 percent. Nong Hoi Kao in Nong Hoi Development Center were minimum at 79 score 2) Priorities of the mobility to reach a low carbon community development are inquired on scores and cooperation within the community. The result showed 11 communities grading in high readiness to audit and 1 in rather high readiness. All communities have set up a group for powering in each low carbon development dimension. At the same time, the community has begun preparing people for information, place of activity and documents. 3) Community development standards in sustainable low carbon was improved to reach the comprehensive and appropriate criteria. The criteria are consist 19 list and 32 indicators include four dimensions of development as (1) environmentally friendly agriculture (2) watershed rehabilitation and conservation (3) community environmental management and (4) strengthening on community-based adaptation to changes. All indicators were tested in process of assessment as low carbon community based on highland development.

Keywords: Low Carbon community, Royal Project, Sustainable Development, Highland