

CARBON REDUCTION LABEL

A N D

CARBON REDUCTION CERTIFICATION FOR BUILDINGS

HOW TO GET APPROVED



Carbon Reduction Label is a label indicating the reduction of greenhouse gas emissions per unit of product/service as a simple reference for consumers to decide on what items of products or services they should purchase.

Criteria

Production processes

Greenhouse gas emissions are reduced by at least 10 percent on average in the production process of each product or service, involving the four factors mentioned. Greenhouse gas emission data in 2007 are compared with the data of the recent year (with 12 months data) when assessing the reduced greenhouse gas emissions

II

The production process of each product or service is to rely on power or electricity generated by biomass materials or fuel or from wastes incurring in an industrial plant. Purchase of electricity from outside sources is limited to no more than 5 percent of total power used in the production process of each product and service, and the use of fossil fuel in the production process is not allowed (except for the start-up of a power generating system and for on-site transportation). Additionally, there is no greenhouse gas emissions from wastes (namely wastewater of the manufacturing plant and residues of materials and garbage) in the production plant.

III

If there is a state-of-the-art production technology (contributed to the reduction of GHG emission) being used, the executive committee will consider case by case.



The carbon reduction certification for buildings will ensure that the building approved of certified GHG emission reductions exemplifies a high profile low energy building. This means that the very building is able to achieve its control of maximum allowance of GHG emissions caused by the activities taking place on the premises.

Criteria

(Operation and Maintenance phase)

The first criterion is applicable to the building with the potential to achieve 10 per cent reduction or more in the overall emissions between the base year 2007 and the two latest years which hold record of three scope emission sources (electricity consumption, fuel combustion and waste management) over the period of 12 consecutive months. In addition, information on the organisation's activities associated with intensive energy consumption is also required.

II

For the second criterion, it applies to the newly constructed building after 2007. In this case, the committee will alternatively opt to consider benchmarking against the total average energy consumption of the similar types of building.

III

In the case of the existing building which has already been renovated, or the building which has been constructed in recent years using cutting-edge technologies to curb the emissions, the committee will – by comparison with other similar types of building – consider using benchmarking of the building performance in terms of average energy consumption as well as current technologies, GHG mitigation measures, and energy saving policies.

ALTERNATIVE ENERGY CERTIFICATION

Providing energy for the world population as it grow, is straining the global supply of limited fossil fuels whilst contributing to increased emissions of greenhouse gases, further contributing to global climate change. These changes promise to have long-term impacts on both the environment and human society.



OBJECTIVES

The certification is provided for agency that promotes usage, research, and production of alternative energy in Thailand. Green for provider and Gold for User type.

Nominees have to demonstrate their potential for energy management through renewable energy use which are environmentally friendly.

GHG REDUCTION CERTIFICATION PROCEDURES

1
Application form and documents

2
Apply

Benefits

- Clients are more likely to decide on a building that is deemed as reliable in terms of service and standard
- Demonstrates that the building is climate friendly and proves to be able to reduce a significant amount of GHG emissions arising from the organization’s owned operations and activities to meet the project requirements.
- Add a new competitive advantage to the service in the building due to reduction in energy use as well as decreased waste input.

Check/analyze documents and factory/building visits

within 45 days

Verified by GHG reduction certification technical team

within 30 days

Approved by GHG reduction certification committee

within 15 days

GHG reduction certification registered

Contact
Telephone: +66 2 503 3333
Email: info@tei.or.th
Website: www.tei.or.th

QR Code
Left Website
Right Facebook

