THAILAND PMR

Thailand Greenhouse Gas Management Organization (Public Organization) TGO
Thailand Greenhouse Gas Management Organization (Public Organization)

Grant Agreement Signing | 16 Feb 2016

Project Closing Date | 31 Dec 2019

01 | Energy Performance Certificate Scheme | EPC

02 | Low Carbon City Program | LCC

03 | Emission Trading Scheme | ETS

04 | Project Management Unit | PMU
Linkage of the Market - Based Instruments

EPC Scheme

Development of technical support systems, i.e. MRV system, SEC database, Baseline, Energy Target

LCC Program

Databases of municipalities, GHG abatement plan, and development of carbon credit projects

Future of Thailand’s Domestic Carbon Market

Emission Trading Scheme: ETS

Thailand Voluntary Emission Reduction Program: T-VER
Components # 1: EPC scheme – Concept

Baseline

Target

Energy Consumption

No penalty

Energy Saving Certificate

Target-and-Reward

Designated Factories & Buildings

Designated Factories
- Cement
- Steel and Metal
- Pulp and paper
- Ceramic
- Food and Beverage
- Petrochemical
- Thermal Power Plant

Designated Buildings
- Hotel
- Hospital
- Department store
- Office
- 4 Building Types

Components of EPC scheme:

- Target-and-Reward
- No penalty

Energy Consumption Comparison:

Baseline vs. Target
## Components #1: EPC scheme – key deliverables

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Components # 2 : LCC programme

Target Group
There are 25 pilot municipalities under Thailand LCC-PMR as follows;

Yasothon
Ubon Ratchathani
Nonthaburi
Lamphun
Si Sa Ket
Buri Ram
Maha Sarakham

Khu Khot
Nong Samrong
Udon Thani
Songkhla
Hat Yai
Roi Et
Chum Phae

Loei
Si Satchanalai
Pa Tong
Trang
Sakon Nakhon
Nakhon Sawan
Amnat Charoen

Hua Hin
Khaosamyod
Nan
Ban Chang
Components # 2 : LCC programme – key deliverables

1. City Carbon Footprint of municipalities based on the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories (GPC)

2. Prediction of municipalities’ GHG emissions trend until B.E. 2573

3. Identification of GHG mitigation measures and development of GHG abatement plans

4. Development of municipalities’ activities to register as Thailand Voluntary Emission Reduction Project (T-VER) which lead to carbon credits trading in domestic voluntary carbon market.

5. Mobile Application on Low Carbon City
What is ETS?

The ETS is a system under which the authority sets a GHG emissions cap and allocates a limited number of allowances (emission rights) to each industry, whereby the industry is required to surrender allowances to the authority in the amount corresponding to its GHG emissions within each compliance period.

- In case of surplus of allowances, the industry can sell the surplus allowances to other industries.
- In case of shortage of allowances, the industry needs to buy allowances from other industries that have surplus allowances.
Components # 3 : ETS – key deliverables

1. Development of legal framework for GHG reporting system of the ETS
Components # 3 : ETS – key deliverables

2. Development of legal framework for ETS establishment in Thailand
Thailand PMR – organised over 91 seminars/trainings/meetings
Thailand PMR – Project achievement seminar
Thailand PMR – Collaboration with 38 pilot DF&Bs
Thailand PMR – Collaboration with 25 pilot municipalities