

# Thailand

## General Information

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### ETS Description

Thailand has been considering economic instruments to incentivize GHG emissions reductions for several years. The 2018 “National Reform Plan” mandated the Thai government to begin developing such instruments. The Emission Trading Scheme, Carbon Tax on Products, and Crediting Mechanism are some of the potential economic instruments to be implemented; further details on these will be provided in the policy and legislative processes that follow the development of the framework for the “Climate Change Act”. The Department of Climate Change and Environment (DCCE) is currently drafting the act for the public hearing process as well as working on implementing the Regulatory Impact Assessment (RIA). The final draft is expected to be submitted for cabinet and parliamentary approval in 2024 to 2025.

In 2013, the Thailand Greenhouse Gas Management Organization (TGO) began developing an MRV system and basic trading infrastructures for the Thailand Voluntary Emissions Trading Scheme (Thailand V-ETS). This voluntary pilot project aims to develop and test MRV systems, cap-setting and allocation procedures, and trading infrastructure for 12 GHG-intensive sectors. Targets are set for each sector based on their average emissions intensity in the base years of 2012 to 2013. Both direct and indirect emissions are covered. As a voluntary system, allowances are provided for free based on MRV reporting. Based on TGO’s feasibility study and pilot implementation test cases, covered entities may be allowed to use offset credits from Thailand’s domestic crediting mechanism, Thailand Voluntary Emission Reduction (T-VER) credits, to meet up to 15% of their compliance obligations. Supporting these initiatives, TGO regularly conducts capacity building activities to engage key stakeholders across Thailand.

Since 2021, TGO has collaborated with the Eastern Economic Corridor Office of Thailand to develop a pilot ETS in its Eastern Economic Corridor (EEC) region. The project aimed to conduct engagement, build up capacity on ETS implementation for pilot organizations, and provide technical assistance on T-VER project development. Several pilot organizations fulfilled their ETS Capacity building program, 12 in 2022 and 11 in 2023.

### ETS Status

under consideration

### Jurisdictions

Thailand

## Emissions & Targets

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### Overall GHG Emissions excl. LULUCF (MtCO<sub>2</sub>e)

372.6 (2018)

### GHG reduction targets

**By 2030:** Unconditional 30% reduction compared to BAU; 40% reduction compared to BAU conditional on adequate and enhanced support (updated NDC)

**By 2050:** Aspirational target of climate neutrality by 2050 and net-zero emissions by 2065 (updated NDC)

## Other Information

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### Institutions involved

**Thailand Greenhouse Gas Management Organization (Public Organization):** Autonomous public agency responsible for developing, implementing, and managing Thailand's climate change mitigation programs and projects.

**Department of Climate Change and Environment (DCCE):** Central government agency in charge of supervising Thailand's missions and operations related to climate change, while also coordinating with public and private agencies on climate change issues

### Regulatory Framework

[Thailand's Long-Term Low Greenhouse Gas Emission Development Strategy](#)

[Carbon credit management guideline and mechanism \(2022\)](#)

[Regulation of the Board of Directors of Thailand Greenhouse Gas Management Organization re: rules, procedures, and conditions for considering Thailand Voluntary Emission Reduction \(T-VER\) projects \(2023\)](#)

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