



PTT Green Bond Report 2020

– Powering Life with Future Energy and Beyond –

Data as of 31 December 2020



PTT Sustainability Management Policy (Data as of 31 December 2020)

PTT is determined to operate the business in line with the principles of sustainable development, Sufficiency Economy Philosophy and social responsibility by creating collaboration, trustworthiness, and value for stakeholders. Hence, PTT's President and Chief Executive Officer announced the PTT Sustainability Management Policy, which was communicated throughout the Company and its business value chain in order to drive the Company towards operational excellence, transparency, and effective response to changes. Apart from operating according to the international standards and measurements, the Company must strive to balance the three dimensions of environmental, social, and governance (ESG). PTT Sustainability Management Policy is reviewed annually with regard to the current situations, outlooks, trends, and other factors related to sustainability issues, both internally and externally, as well as all the relevant rules, regulations, and standards with all group of stakeholders in mind. All the aforementioned factors would drive the Company to achieve its vision, strategic directions and targets effectively, while fulfilling the Sustainable Development Goals (SDGs). In 2020, the revisions in the policy aimed to illustrate its determination to manage material issues on three dimensions: environmental, social, and governance. The policy also focused more on risk management, adaptation to changes, and business opportunity seeking. To this end, all executives and employees are responsible for contributing, driving, integrating, and executing the policy throughout the organization and deploy to PTT affiliates and all stakeholders, and to pursue collaborative action through dialogue and partnerships with global organizations to strengthen sustainable development capabilities.

Green Bond framework

PTT have developed Green Bond framework which PTT aims to issue Green Bonds to finance and refinance Reforestation Projects (including but not limited to the long-term forest conservation project and Environmental Learning Centers). PTT Green Bond framework has been reviewed with a Second Party Opinion and a verification by DNV GL. It also complies with ASEAN Green Bond Standards (ASEAN GBS) and Green Bond Principles 2018 by International Capital Market Association (ICMA). The annual green bond report is available on <http://pttdebenture.azurewebsites.net/content.aspx?id=23>.

Green Bond Detail

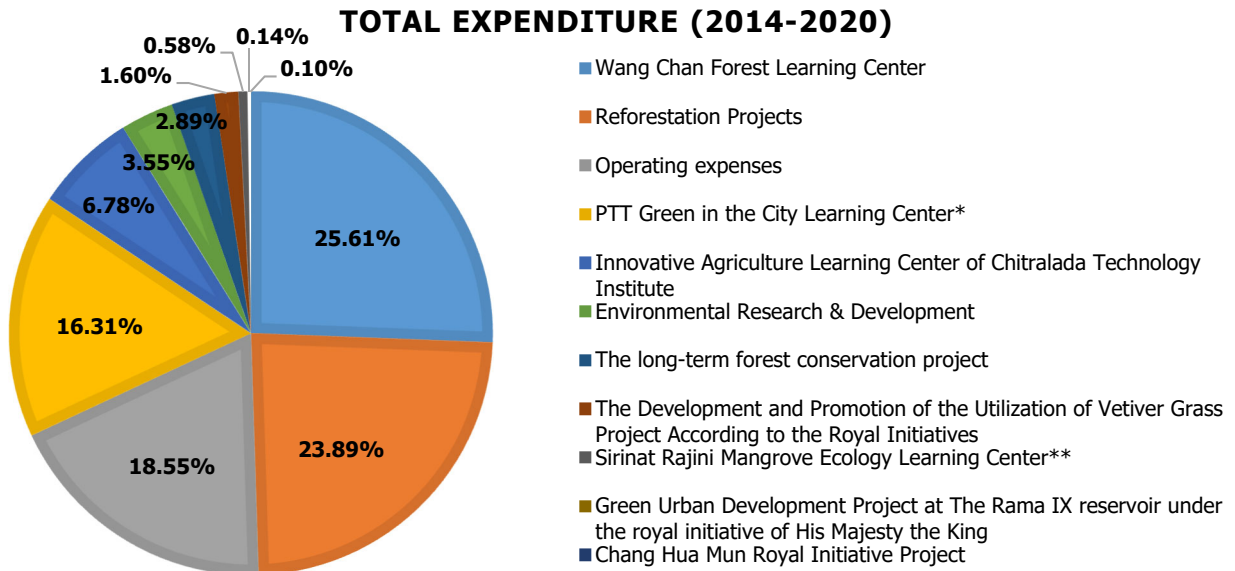
The green bond offered by PTT is shown in the table below. The Bond is the world's first bonds to be awarded Forest Conservation Project certification by Climate Bonds Initiative (CBI).

Issue Date	Maturity Date	ThaiBMA symbol	Currency	Coupon	Principal Amount (MB)
24 Jul 2020	24 Jul 2023	PTTC237A	THB	2.25%	2,000



Green Bond Portfolio and Total Expenditure

The 100% of the net proceeds from PTT's Green Bond was spent exclusively to finance and re-finance eligible green projects during year 2014-2020.



* refer to Metro Forest Learning Center on Sukhaphiban 2 Road, Bangkok in Green Bond Framework

** refer to Sirinat Rajini Ecosystem Learning Center in Green Bond Framework

Environmental Performance (Data as of 31 December 2020)

Expansion and Conservation of Green or Forested Areas in the Rural Area

Key activities includes:

1) Forest farming project brings the knowledge and expertise in Reforestation Project in Honor of King Bhumibol Adulyadej in 1994 to build on economic stability for farmers. Along with creating sustainability for natural resources and the country's ecosystem. PTT worked in conjunction with the Civil Forest Protection Volunteers Network and other networks.



Increased greenspace by 1,808 rai, or more than 162,000 seedlings



407 beneficiary households, in seven sub-districts of four provinces, including Nakhon Sawan, Nakhon Ratchasima, Khon Kaen, and Roi Et.



2) Strategic forest important for the ecology and conservation of the country's forests were increased. Existing forest areas in 48 provinces since 1994 to the present, equal to the total area of 1,167,563 rai, capturing greenhouse gas emission of 2.14 million tonnes of CO2 equivalent per year, were preserved. These forests generate income for the community worth around THB 280 million per year (latest achievement evaluation in 2018).



350 rai of key forest areas were added, which were Phu Luang Community forest, in Phu Luang area, Pak Thong Chai district, Nakhon Ratchasima province, totaling 250 rai, 50 rai of Ban Dong Khlang Noi public utility area, and another 50 rai of Ban Non Muang Mai public utility area, Kaset Wisai district, Roi Et province



over 5,440 households or the population of 19,598 people benefited from the project

Promotion of Environmental Conservation Awareness

Promote the forest conservation awareness through three learning centers. To build confidence of tourists and upgraded to new normal tourism under health and safety measures, PTT submitted to be certified SHA or Amazing Thailand Safety & Healthy Administration standards, by the Ministry of Tourism and Sports, Ministry of Public Health, and the Tourism Authority of Thailand (TAT) to build the confidence of visitors to all three learning centers with the following key performances:

- Sirinat Rajini Mangrove Ecology Learning Center



9,455 visitors



Generating income for the surrounding communities by THB 120,000 per year



1,000 saplings of mangrove trees provided to agencies and communities interested in increasing the green area

In 2020, the center won the Outstanding State Enterprise Award, on Outstanding Operations for Society and Environment, due to its commitment to improving the quality of life of the local communities along with the care of the environment.

- Wang Chan Forest Learning Center



6,994 visitors



Generating income for the surrounding communities by THB 240,000 per year



- PTT Green in the City Learning Center



16,351 visitors



Generating income for the surrounding commercial areas as the increasing number of tourists