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## **PTT Green Bond Report 2022**

*– Powering Life with Future Energy and Beyond –*

Data as of 31 December 2022



## PTT Sustainability Management Policy (Data as of 31 December 2022)

To reflect the commitment in managing sustainability material topics across the three dimensions, consisting of Environment, Social, and Governance by integrate it into every process of business activities, PTT established “**PTT Sustainability Management Policy**”. The policy was signed by PTT Chairman of the Board of Directors, jointly with President and CEO. Following the policy’s content and performance effectiveness reviews by PTT Board of Directors in 2022, it was confirmed that the policy continues to address PTT’s sustainability material topics thoroughly and is effectively cascaded to implementation throughout PTT through sustainability management process.

## PTT Sustainability Management Master Plan for Social and Environmental Responsibility 2021 – 2025 (Revised version 2022)

In 2022, relevant functions have reviewed sustainability strategic direction, short/ medium term goals, KPIs, strategies, and action plans at various levels which received approval by PTT Board of Directors. Corporate KPIs measured the performance of senior executives and relevant business function and quarterly report to the governance committees. The details for sustainability strategic direction are as follows;



### **Environmental Strategic Direction: “Sustainable Production and Consumption”**, comprises two strategies:

- Develop low-carbon society and environmentally friendly business
- Enhance effectiveness of resource utilization based on circular economy principle



### **Social Strategic Direction: “People’s Well-Being”**, comprises three strategies:

- Promote safe working environment and respecting human right principles
- Co-create values and enhance society and community’s quality of living
- Foster employees’ readiness to accommodate future business growth



### **Governance Strategic Direction: “Corporate Governance and Performance Excellence”**, comprises two strategies:

- Operate with good governance and integrity
- Adapt readily to changes, accelerating growth, and drive the economy

Key Enablers for Success: Technology and innovation promotion, supply chain management and Stakeholder management



PTT intend to review and assess the quality and effectiveness of sustainability management process, including policy deployment, as well as sustainability material topics management process and report to the governance committee quarterly. Additional information on policy deployment, sustainability material topics management, as well as the performance of sustainability strategic direction are available in topic 3.4 sustainability material topics management and PTT website.

### 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

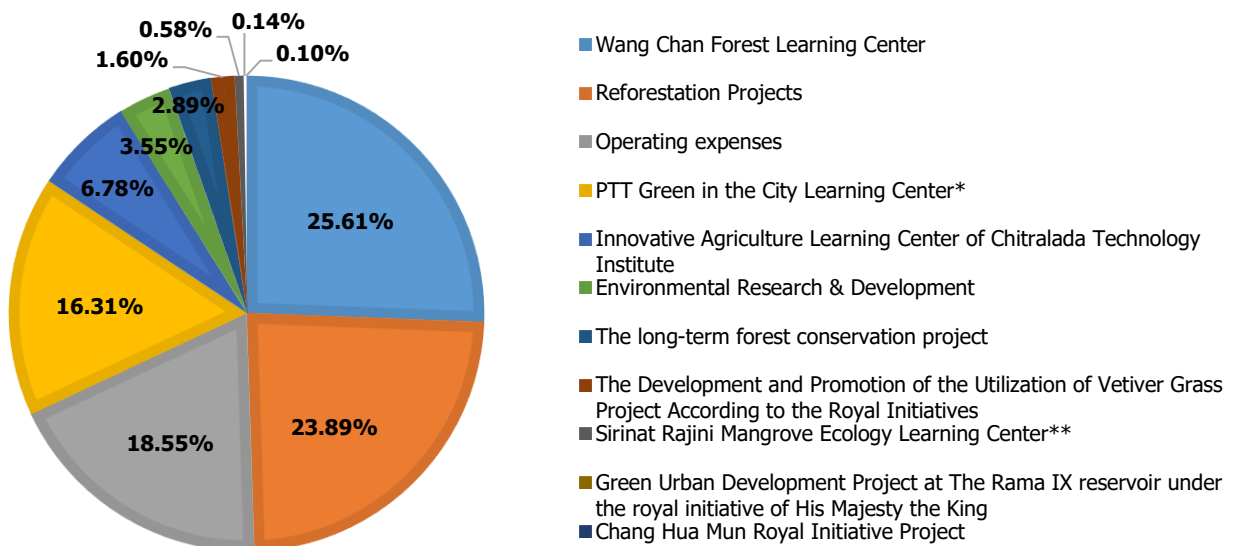
The green bond offered by PTT is shown in the table below. The Bond is the world's first bonds to be awarded Forest Conservation Project certification by Climate Bonds Initiative (CBI).

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.

#### TOTAL EXPENDITURE (2014-2020)



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

\*\* refer to Sirinart Rajini Ecosystem Learning Center in Green Bond Framework



## Environmental Performance (Data as of 31 December 2022)

### Participation in the Increasing and Maintaining Green Areas in the Khung Bang Kachao

PTT, together with the Chaipattana Foundation, network partners in both the private sector and the public sector, people’s sector, and educational institutions continued to restore the green area of Khung Bang Kachao. In this regard, OUR Khung BangKachao project by the Chaipattana Foundation and the Royal Forest Department signed a memorandum of understanding for collaboration in the development and restoration of royal green areas under the supervision of the Royal Forest Department Maha Nakhon Central Park Project, Phra Pradaeng district, Samut Prakan province. Besides, the Royal Forest Department and PTT also signed a memorandum of cooperation on green space restoration and learning management projects, Chaloem Phrakiat Park, His Majesty the King’s 80th Birthday Anniversary, Song Khanong subdistrict, Phra Pradaeng district, Samut Prakan province, to develop learning a center. In 2022, PTT carried out with such cooperation in developing and managing the learning projects of the Chaloem Phrakiat Park uninterruptedly. PTT as a lead of working group of the green space restoration and a supporter of the green area operation of the OUR Khung BangKachao project, it has restored 1,276 Rais of Ratchaphatsadu land (royal property) green area and personal land for 530 Rais.



#### Benefits to Stakeholders

- 1,806 Rais of green area that has been rehabilitated from the beginning of the project until 2022. benefiting surrounding communities, a total of 273 households.



#### Benefits to PTT

- In 2022, 251.81 tons of CO<sub>2</sub> equivalent per annum that can be stored.
- Built a good relationship to promote conservation and restoration of the environment with the government, private sector and local communities.

### Three PTT Nature Learning Centers

Operates through the PTT Reforestation and Ecology Institute, which was established to build on the Reforestation Campaign in Commemoration of the Royal Golden Jubilee Project’s original mission of one million Rai of permanent forest planting since 1994 by conserving,



restoring forests and sharing knowledge and experience of reforestation to the public as well as to raise awareness of the conservation of natural resources and the environment through the PTT Nature Learning Centers, which are:



**PTT Metro Forest Learning Center, Bangkok.**

- 1. Sirinart Rajini Mangrove Ecosystem Learning Center, Prachuap Khiri Khan.**
- 2. Wang Chan Forest Learning Center, Rayong.**



**Benefits to Stakeholders**

- In 2022, there were 54,442 visitors to all three centers, which generated an income of THB 453,759 per annum for surrounding communities.



**Benefits to PTT**

- In 2022, 66,291 tons of CO<sub>2</sub> equivalent per annum that can be stored.
- Promote good relations in promoting environmental conservation and restoration.