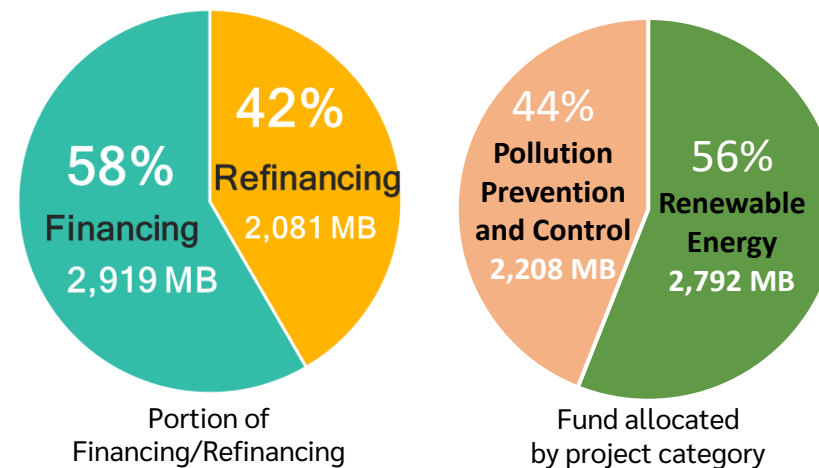




# Green Debenture 2020 | Reporting in 2021

## Allocation Report

GPSC issued the first THB 5,000 million Green Debentures on August 7<sup>th</sup>, 2020. The proceeds were used to support the solar power plant projects and Waste-to-Energy (WTE) project under the Green Finance Framework. It is also Thailand's first funding for a comprehensive waste management project. The company places the utmost importance on conducting business while aiming for sustainable growth. The proceeds of the Green Debentures were fully allocated.



Eligible Green Project	Project/ Company	Closing Date	Capacity	Location	Customer	GPSC’s Holding	% of Finance/ Refinance	Amount (THB MM)
 <b>Renewable Energy (Solar Energy)</b>	NPS, WXA and PPS <sup>1</sup>	26 Mar 2020	39.5 MW	Phichit, Suphanburi, Lopburi, Khon Kaen, Thailand	Provincial Electricity Authority (PEA)	50% (through GRP) <sup>2</sup>	100% Refinance	1,542
	Sheng Yang Energy Company Limited (SYE)	27 July 2021	55.8 MW	Taiwan	Taiwan Power Company	45% (through GRP/GRP1) <sup>2</sup>	100% Financing	1,250
 <b>Pollution Prevention and Control</b>	Refuse Derived Fuel Plant (RDF)	27 April 2018 (COD Date)	500 (Tons/day)	Rayong, Thailand	Provincial Electricity Authority (PEA)	100% operating assets under GPSC	100% Refinance	539
	Waste to Energy Power Plant (WTE)	28 May 2021 (COD Date)	9.8 MW				100% Financing	1,669
Total5,000								

Note: 1. N.P.S. Star Group Company Limited (NPS), World Exchange Asia Company Limited (WXA), and P.P. Solar Company Limited (PPS) which are previously called Global Renewable Power Company Limited (GRP) in 2020 Allocation Report.  
 2. GPSC has completed the shareholding restructure of Global Renewable Power Company Limited (GRP) on 4 January 2021 by selling approximately 50% shares of GRP to PTT Global Management Company Limited (PTTGM), a subsidiary of PTT Public Company Limited (PTT).

# Green Debenture 2020 | Reporting in 2021

## ❑ Impacting Report

The impact of the green debenture portfolio by category from environmental perspective for period of 1 January 2021 - 31 December 2021.



### Renewable Energy

Eligible Green Project

#### *Solar Energy Project<sup>1</sup>*

Impact Indicators

1) Annual GHG emissions reduced/  
avoided<sup>2</sup>

**26,602**  
tonnes of CO<sub>2</sub>  
equivalent

2) Annual renewable energy generation

**64,884**  
MWh

**Remark:** 1. The data provided in the table is for NPS, WXA, PPS and SYE project only under the GPSC Green Finance Framework 2020.

2. The calculation method refers to the IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation.



### Pollution Prevention and Control

Eligible Green Project

#### *Waste to Energy Project<sup>3</sup>*

Impact Indicators

1) Waste prevented, minimised, reused or  
recycled before and after the project in  
absolute amount

**179,336**  
tonnes p.a

2) Annual GHG emissions reduced from waste  
management before and after the project

**48,353**  
tonnes of CO<sub>2</sub>  
equivalent

**Remark:** 3. The data provided in the table is for RDF plant only under the GPSC Green Finance Framework 2020.