

## Operational Eco-efficiency Data

GRI	Required Data	Unit	Data Collection Period			
			2019	2020	2021	2022
302-1	<b>Energy Consumption</b>					
	Total energy consumption within the organisation from non-renewable sources	MWh	29,133,251	28,905,963	28,409,341	29,141,220
	Total renewable energy consumption	MWh	0	0	0	0
	Total non-renewable energy consumption target at fiscal year	MWh		28,937,286	28,698,292	28,522,069
302-3	Total energy intensity <sup>1</sup>	GJ/ tonne production	15.37	15.73	15.76	17.08
305-1	<b>Greenhouse Gases Emissions (GHGs)<sup>2</sup></b>					
	Total direct GHGs emissions (scope 1) <sup>3</sup>	Million tonne CO <sub>2</sub> equivalent	5.73	5.77	5.67	5.70
305-2	Indirect GHGs emissions from energy purchased and consumes (scope 2) <sup>2</sup>	Million tonne CO <sub>2</sub> equivalent	1.29	1.33	1.33	1.35
305-4	GHGs emission intensity (scope 1 & 2) <sup>4</sup>	Tonne CO <sub>2</sub> equivalent/ tonne production	0.68	0.66	0.67	0.70
305-7	<b>NOx, SOx, and Other Significant Air Emissions</b>					
	Volatile organic compounds (VOCs)	Tonne VOCs	Not available	11.68	257.40	341.24
	Nitrogen oxides (NOx) emissions	Tonne NOx	28,610	23,310	25,070	18,510
	Sulfur oxides (SOx) emissions	Tonne SOx	840	340	270	190
-	<b>Water Risk</b>					
	Total actual and opportunity costs (e.g. forgone income) from water-related incidents	RM	0	0	0	0

<sup>1</sup> All types of energy included in the intensity ratio and consumed within the organisation

<sup>2</sup> GHGs emissions based on report of 1) GHGs calculation standard, methodology, emission factors and GWP referred to IPCC 2006, WRI GHG protocol and ISO 14064. 2) The operational control approach for emissions.

<sup>3</sup> All greenhouse gases included in the report.

<sup>4</sup> Types of GHGs emissions, which are direct (scope 1) and energy indirect (scope 2), included in the intensity ratio.

303-5	<b>Water Consumption and Wastewater</b>					
	Withdrawal: Total municipal water supplies (or from other water utilities)	Million m <sup>3</sup>	37.06	37.83	38.52	39.06
	Total net fresh water consumption	Million m <sup>3</sup>	37.06	37.83	38.52	39.06
-	Total direct COD	Tonne	153.7	177.8	171.4	204.2
306-2	<b>Routine Waste</b>					
	Total waste disposed	kilotonne	2.01	2.21	1.61	1.10
	Total hazardous waste Generated as defined by National Legislation	kilotonne	25.50	27.00	26.20	29.40
-	<b>Environmental Violations</b>					
	Number of violations of legal obligations/ regulations	Number	0	0	0	0
	Amount of fines/penalties related to the above	RM (Million)	0	0	0	0
	Environmental liability accrued at year end	Number	0	0	0	0

Remark: This report remains focus on materiality aspects in Malaysia per operational control. The information on PCGB subsidiaries and affiliates as well as joint ventures can be found in the Integrated Report.