

## Operational Eco-efficiency Data

GRI	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
302-1	<b>Energy Consumption</b>					
	Total energy consumption within the organisation from non-renewable sources	MWh	28,905,963	28,409,341	29,141,220	27,748,118
	Total renewable energy consumption	MWh	0	0	0	134,401
	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	15.73	15.76	17.08	16.84
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	5.77	5.67	5.70	5.74
305-2	Indirect GHGs emissions from energy purchased and consumes (scope 2) <sup>2</sup>	Million tonne CO <sub>2</sub> equivalent	1.33	1.33	1.35	1.24
305-3	Other indirect GHG emissions (Scope 3) - Cat 11 – Use of sold products	Million tonne CO <sub>2</sub> equivalent	8.96	7.34	10.06	10.23
305-4	GHGs emission intensity (scope 1 & 2) <sup>4</sup>	Tonne CO <sub>2</sub> equivalent/ tonne production	0.66	0.67	0.70	0.73
305-7	<b>NOx, SOx, and Other Significant Air Emissions</b>					
	Volatile organic compounds (VOCs)	Tonne VOCs	11.68	257.40	341.24	-
	Nitrogen oxides (NOx) emissions	Tonne NOx	23,310	25,070	18,510	21,830
	Sulfur oxides (SOx) emissions	Tonne SOx	340	270	190	160

<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.

3) Market based

<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>	37.83	38.52	39.06	37.68
	Total net freshwater consumption	Million m <sup>3</sup>	37.83	38.52	39.06	-
-	Total direct COD	Tonne	177.8	171.4	204.2	219.4
306-2	<b>Routine Waste</b>					
	Total waste disposed	kilotonne	2.21	1.61	1.10	-
	Total hazardous waste Generated as defined by National Legislation	kilotonne	27.00	26.20	29.40	30.40
-	<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 join ventures can be found in the Integrated Report.