

GHG-related Information in Recent Years

1. TSRC has established a special environmental management unit in accordance with related regulations, and has environmental management personnel for air pollution, wastewater, waste, and toxic substances.
2. In terms of greenhouse gas reduction planning, TSRC supports the national reduction target and cooperates with the relevant policies of authority. TSRC obtained the ISO 14064-1 (Greenhouse Gas Inventory) verification in 2011, 2013 and 2015-2020. TSRC also registered in the "GHG Platform ". 2020 organization-type greenhouse gas inventory inspection certificate was obtained in August 2020.
3. TSRC's greenhouse 2020 gas emissions per metric ton of products reduced by 3% compared to 2019.
4. The Taiwan plant has reached ahead of schedule of "Phase II Goal " of the National Greenhouse Gas Reduction Policy, which means that the current year's greenhouse gas emissions will be reduced by 10% totally compared to the base year of 2005.
5. In response to the carbon reduction targets announced by countries, TSRC is actively planning for medium and long-term targets of carbon reduction in the future and accelerated the pace to carry out actions of carbon reduction in sync with the world.

I. TSRC Group's total greenhouse gas emissions over the year

Unit: Tons of CO₂e

GHG	2018	2019	2020
Scope I(Direct)	285,162	262,458	229,101
Scope II(Indirect)	295,847	335,462	385,964
Total	581,009	597,920	615,065
emissions intensity	1.25	1.2	1.16

II. Total Water Consumption of TSRC Group

Unit: Thousand Tons

Water Consumption	TSRC Corp.	Shenhua	TSRC(NT)	TSRC(UBE)	TSRC(SH)	TSM	TSRC Group
2018	1,930	1,100	648	308	12	522	4,520
2019	2,043	946	640	409	11	557	4,606
2020	1,955	1,021	572	513	13	797	4,871

III. Waste Volume per Unit Product

Unit: Ton/Thousand Tons

Waste Volume per Unit Product	TSRC Corp.	Shenhua	TSRC(NT)	TSRC(UBE)	TSRC(SH)	TSM	TSRC Group
2018	7.5	7.1	5.5	3.2	3.5	19.5	8.0
2019	5.92	5.2	5.6	7.5	3.7	19.88	7.26
2020	6.94	5.61	6.47	3.74	2.97	28.96	7.45