

Material Balance

Input on environmental impact in business activities

	Stage	Unit	FY2021	FY2022	FY2023	FY2024
Design / Procurement / Manufacturing / Development	Raw Materials					
	Metal	ktons	13	11	8	6
	Plastic	ktons	5	3	3	2
	Others	ktons	8	6	5	4
	Chemical Substances (*1)					
	VOC	ktons	0.3	0.3	0.2	0.3
	PRTR	ktons	9.5	7.9	6.8	6.7
	Water					
	Water usage	Mm ³	6.89	6.15	6.09	6.40
	Energy					
	Total	TJ	5,572	5,092	4,877	4,897
	Purchased electricity	TJ	4,196	3,823	3,634	3,570
	Heavy oil, kerosene, etc.	TJ	99	93	81	92
	LPG, LNG	TJ	107	105	102	109
	Natural gas, City gas	TJ	1,112	1,018	1,008	1,079
	District heating and cooling	TJ	58	53	53	46
Distribution / Sales	Energy					
	Fuel (light oil, gasoline, etc.)	PJ	1.03	0.63	0.47	0.23
Usage	Energy					
	Electricity	GWh (PJ)	11,507 (41.42)	9,685 (34.87)	6,153 (22.15)	5,279 (19.00)
Collection /Reuse /Recycling	Resources recycling rate	%	92.9	93.6	94.1	93.3
	Amount processed	tons	2,393	1,996	1,986	1,792

Output on environmental impact in business activities

	Stage	Unit	FY2021	FY2022	FY2023	FY2024
Design / Procurement / Manufacturing / Development	Raw Materials					
	CO ₂ emissions	ktons-CO ₂	298	190	120	83
	Chemical Substances (*1)					
	VOC	tons	157	161	135	155
	PRTR	tons	6	5	9	8
	Atmospheric Release					
	Total GHG emissions	ktons-CO ₂	600	540	516	498
	CO ₂ (*2)	ktons-CO ₂	598	538	513	495
	GHG other than CO ₂ (PFCs, HFCs, SF6, NF3, others)	ktons-CO ₂	2	2	3	3
	NOx	tons	10	33	25	23
	SOx	tons	0.3	0.3	0.1	0.1
	Water Discharge					
	Total	Mm ³	6.68	5.13	5.00	5.15
	BOD	tons	301	219	137	225
	COD	tons	15	12	5	7
	Waste					
	Amount of waste generated	ktons	12.5	11.6	9.6	9.9 (*3)
	Thermal recycling volume	ktons	1.8	1.7	1.9	1.5 (*3)
	Material recycling volume	ktons	10.0	9.4	7.3	8.1 (*3)
	Disposal volume	ktons	0.7	0.5	0.4	0.3 (*3)
	Waste diversion rate	%	—	—	—	99 (*3)
Distribution / Sales	Atmospheric Release					
	CO ₂	ktons-CO ₂	71	44	32	16
Usage	Atmospheric Release					
	CO ₂	ktons-CO ₂	5,073	3,358	2,283	1,982

*1 Substances that qualify as both a PRTR targeted chemical and a VOC are included under "VOCs" only.

*2 Location-based

*3 For fiscal year 2024, Shinko Electric Industries Co., Ltd.'s two overseas locations, KOREA SHINKO MICROELECTRONICS CO., LTD. and SHINKO ELECTRONICS (MALAYSIA) SDN. BHD., are excluded from the consolidated figures.