



9.5 Sustainability Disclosure Indicators for the Semiconductor Industry

No.	Metric	Category	Annual Disclosure Status	Unit of Measure	Remarks
1	Total energy consumption, percentage of purchased electricity, and percentage of renewable energy	Quantitative	Total energy consumption: 407,967.1 GJ Percentage of purchased electricity 87.3% Percentage of renewable energy 37.1%	Gigajoules (GJ) Percentage (%)	
2	Total water withdrawn and total water consumed	Quantitative	Total water withdrawn 363.929 (1,000 m³) Total water consumed 150.743 (1,000 m³)	Thousand cubic metres (1,000 m³)	
3	Amount of hazardous waste from manufacturing and percentage recycled	Quantitative	Hazardous waste from manufacturing 1,818t Percentage recycled 98.2%	Metric tons (t), Percentage (%)	
4	Description of occupational accident categories, number of occurrences, and rates	Quantitative	In 2024, no occupational accidents occurred.	Quantity, Percentage (%)	
5	Disclosure of product lifecycle management, including the weight of scrapped products and electronic waste, as well as the percentage of recycling.(Note 1)	Quantitative	The weight of scrapped products and electronic waste 8 t Percentage of recycling 100%	Metric tons (t), Percentage (%)	
6	Description of risk management related to the use of key materials.	Qualitative	Please refer to "Sustainable Supply Chain Management"for details.	None	
7	Total monetary losses incurred due to legal lawsuits related to antitrust regulations.	Quantitative	In 2024, there were no violations of relevant regulations, and the total loss incurred was NT\$0.	Reporting currency	
8	Output of main products by product category	Quantitative	Main product output 19,059,050 8" wafer equivalent - layers	8" wafer equivalent - layers	

Note 1: Including the sale of scrap materials or other recycling processes, relevant explanations should be provided.

9.6 Task Force on Climate Related Financial Disclosures (TCFD)

Climate-related information of Listed and OTC companies

Risks and opportunities posed by climate change to and relevant countermeasures taken by the Company

Item	Responses by the Company
1 Describe the Board of Directors and management's oversight and governance of climate-related risks and opportunities.	Please refer to Climate Strategy "Climate-Related Strategy Management Framework – Governance" for details.
2 Describe how the climate risks and opportunities identified will affect the Company's (short-term, medium-term and long-term) business, strategy, and finance.	Please refer to Climate Strategy "Climate-Related Strategy Management Framework – Strategy"and "Climate-Related Risks and Opportunities and Corresponding Strategies" for details.
3 Describe the impacts of extreme climate events and transition actions on finance.	Please refer to Climate Strategy "Climate-Related Risks and Opportunities and Corresponding Strategies"for details.
4 Describe how the climate risk identification, assessment, and management process is integrated into the overall risk management system.	Please refer to Climate Strategy "Climate-Related Strategy Management Framework – Risk Management" for details.
5 If scenario analysis is conducted to assess resilience to climate change risks, describe the scenarios, parameters, assumptions, and analysis factors used, and main financial impacts.	Please refer to Climate Strategy "Climate-Related Risks and Opportunities and Corresponding Strategies"for details.
6 If there is a transition plan to manage climate-related risks, describe the content of the plan and the indicators and targets used to identify and manage physical and transition risks.	Please refer to Climate Strategy "Climate-Related Risks and Opportunities and Corresponding Strategies"for details.
7 If internal carbon pricing is adopted as a planning tool, describe the basis for setting prices.	The Company has not yet implemented an internal carbon pricing mechanism.
8 If climate-related targets are set, describe the activities covered, the scope of greenhouse gas emissions, the period planned, and the annual progress achieved, if carbon offsets or renewable energy certificates (RECs) are adopted to achieve relevant targets, describe the source and quantity of the carbon credits offset or the number of RECs purchased.	Please refer to the following table for details of climate-related targets: "1-2 Greenhouse gas reduction targets, strategies, and specific action plans".
9 Greenhouse gas inventory and assurance status and reduction targets, strategies, and specific action plans (fill in 1-1 and 1-2 additionally).	For details, please see the tables "1-1 Greenhouse gas inventory information" and "1-2 Greenhouse gas reduction targets, strategies, and specific action plans".



1-1 Greenhouse gas inventory information

Describe the greenhouse gas emissions (metric tons of CO₂e), intensity (metric tons of CO₂e/millions of NTD), scope of data covered, and assurance in the most recent two years.

Category	2023		2024		Assurance Institutions	Description of Assurance
Scope 1 VisEra	Total emissions (metric tons of CO ₂ e) 4,399	Density (metric tons of CO ₂ e/millions of NTD) 0.6078	Total emissions (metric tons of CO ₂ e) 5,235	Density (metric tons of CO ₂ e/millions of NTD) 0.5234	DNV Business Assurance Co., Ltd. (DNV)	Standards on Assurance Engagements: ISO 14064 Assurance opinion: Scopes 1 and 2 are at the reasonable assurance level, and Scope 3 is at the limited assurance level.
Scope 2 VisEra	Total emissions (metric tons of CO ₂ e) 37,135	Density (metric tons of CO ₂ e/millions of NTD) 5.1313	Total emissions (metric tons of CO ₂ e) 30,753	Density (metric tons of CO ₂ e/millions of NTD) 3.0747		
Scope 3 VisEra	Total emissions (metric tons of CO ₂ e) 23,412	Density (metric tons of CO ₂ e/millions of NTD) 3.2350	Total emissions (metric tons of CO ₂ e) 32,350	Density (metric tons of CO ₂ e/millions of NTD) 3.2344		

Note: In 2023, the Company's revenue was NT\$7.237 billion, and in 2024, the Company's revenue was NT\$10.002 billion.

1-2 Greenhouse gas reduction targets, strategies, and specific action plans

Describe the greenhouse gas reduction baseline year and the data thereof, reduction targets, strategies, specific action plans, and the achievement of the reduction targets.

Reduction Target	Strategic Action Plan	Achievement of Target
Local Scrubber (LSC) Exhaust Gas Reduction Efficiency : • 2025 Target: LSC exhaust gas reduction efficiency >90%. • 2027 Target: LSC exhaust gas reduction efficiency >95%. • 2030 Target: LSC exhaust gas reduction efficiency >98%.	Maximize exhaust gas reduction to minimize Scope 1 greenhouse gas emissions.	This target is newly established starting from 2025, achievement data is not yet available.
Renewable Energy Procurement Target, ongoing commitment to the use and purchase of renewable energy to achieve net-zero emissions : • 2025 Target: Renewable energy usage rate 26%. • 2030 Target: Renewable energy usage rate 40%. • 2050 Target: Renewable energy usage rate 100%.	Closely monitor and actively participate in climate actions such as the RE100 global renewable energy initiative, and continue efforts in renewable energy use and procurement.	The renewable energy usage rate in 2024 was 37.1%, achieving the target (>24%).