Opinion TW26/00433GG

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2025 of

WINSTAR DISPLAY CO., LTD.

2F., No. 43, Keya Rd., Daya Dist.,
Taichung City 428, Taiwan (R.O.C.)

has been verified in accordance with ISO 14064-3:2019 as meeting the requirements of

ISO 14064-1:2018

Opinion Type: Modified

Direct emissions
382.9905 tonnes of CO_2e
Indirect emissions
15,659.3420 tonnes of CO_2e
Direct emissions and indirect emissions
1,6042.333 tonnes of CO_2e

Authorized by

Stephen Pao
Business Assurance Director
Date: 19 August 2026
Version 1

TGP56B-15-1 2601
SGS Taiwan Ltd.
No. 136-1, Wu Kung Road, New Taipei Industrial Park,
Wu Ku District, New Taipei City 248016, Taiwan
t (02) 22993279 f (02)22999453 www.sgs.com

The emission of each category is described as below: Unit: tonnes of CO_2e

Reporting Boundaries			GHG Emissions
Inventory categories		Description	
Direct emissions		Direct emissions from stationary combustion	1.7435
		Direct emissions from mobile combustion	69.6033
		Direct process emissions and removals from industrial processes	–
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	311.6437
		Direct emissions and removals from land use, land use change and forestry	–
Indirect emissions	Imported energy	Indirect greenhouse gas emissions from purchased electricity	3,174.8942
	Transportation	Indirect greenhouse gas emissions from upstream transportation and distribution –WINSTAR Display Co., Ltd.: Product items accounting for the top 85% of raw material purchase amounts for production, excluding finished goods item numbers. –Winstar Display (Changshu) Co., Ltd.: Direct raw materials (accounting for 50% of total purchase amount), packaging materials (accounting for 80% of total purchase amount), indirect raw materials, equipment consumables, and materials supplied from Taichung (accounting for 60% of total purchase amount). –Dongguan Vanstar Technology Co., Ltd.: Direct raw materials, indirect raw materials, packaging materials, equipment consumables, facility operation consumables, and pollution control consumables.	26.9894
		Indirect greenhouse gas emissions from employee commuting	210.0744
		Indirect greenhouse gas emissions from business travel	45.0042
	Products used by an organization	Indirect greenhouse gas emissions from the procurement of goods and fuel- and energy-related activities not included in Scope 1 or Scope 2 (including upstream energy, purchased goods, and tap water) –WINSTAR Display Co., Ltd.: Direct raw material items accounting for the top 90% of purchase amounts	12,157.7704

		(excluding finished goods item numbers), indirect raw materials, equipment consumables, packaging materials, infrastructure maintenance material, and pollution control consumables. –Winstar Display (Changshu) Co., Ltd.: Direct raw materials (accounting for 50% of total purchase amount), packaging materials (accounting for 80% of total purchase amount), indirect raw materials, equipment consumables, infrastructure maintenance material, and pollution control consumables. –Dongguan Vanstar Technology Co., Ltd.: Direct raw materials, indirect raw materials, packaging materials, equipment consumables,infrastructure maintenance material, and pollution control consumables.	
		Indirect greenhouse gas emissions from the disposal of solid and liquid waste (including transportation)	44.6094
	Associated with the use of products from the organization	Unquantified	—
	Other sources	Unquantified	—
Direct emissions and indirect emissions			16,042.333

The emission of each site is described as below: Unit: tonnes of CO_2e

Site	Direct emissions	Indirect emissions		Total GHG emissions
	Category 1	Category 2	Category 3~6	
WINSTAR Display Co.,Ltd.	109.1506	774.5451	1,536.2457	2,419.941
Winstar Display (Changshu) Co., Ltd.	165.6273	1313.7146	10,551.7828	12,031.125
Dongguan Vanstar Technology Co., Ltd.	108.2126	1,086.6345	396.4193	1,591.266

SGS has been contracted for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by WINSTAR DISPLAY CO., LTD. (hereinafter referred to as “WINSTAR”), 2F., No. 43, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.), in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of WINSTAR is responsible for the organization’s GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.
- The verification was based on the verification scope, objectives and criteria as agreed on 11 November 2025.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 20 April 2026 to 03 June 2026.

Scope

- GHG information for the following period was verified: 01 January 2025 to 31 December 2025
- Location/boundary of the activities:
  - 5F., No. 31, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
  - 4F., No. 33, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
  - 2F., No. 43, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
  - 2, 4F., No. 25, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
  - 4F., No. 38, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
  - No. 401, 400, Xinzhuang Road, Changshu City, Jiangsu Province, China
  - No. 1, Suxi Road, Xinzhuang Town, Changshu City, Jiangsu Province, China
  - Building 13-305, Jinke Jimei Academy, Xinzhuang Town, Changshu City, Jiangsu Province, China
  - Building 12-704, Jinke Jimei Academy, Xinzhuang Town, Changshu City, Jiangsu Province, China
  - No. 497, Dalingshan Section, Guanchang Road, Dalingshan Town, Dongguan City, Guangdong Province, China

- No. 62, Hengkengzi Road, Dalingshan Town, Dongguan City, Guangdong Province, China
- Room 602, Building 8, Kaidong New Town, Dalingshan Town, Dongguan City, Guangdong Province, China
- Room 1602, Building 5, Shangcheng Garden, No. 265, Zhenhua Road, Dalingshan Town, Dongguan City, Guangdong Province, China

- Types of GHGs included: CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, NF_3, HCFC
- The IPCC 2021 AR6 GWP values are applied in this inventory.
- Emission factor:
  - Direct emissions: Greenhouse Gas Emission Factor, MOENV (2024.02.05).
  - Indirect emissions:
    - Electricity emission factor is 0.466 $kgCO_2e/kwh$ (Announced by Energy Administration, Ministry of Economic Affairs in 2026) and 0.5827 $kgCO_2e/kwh$ (Jiangsu Province), 0.4419 $kgCO_2e/kwh$ (Guangdong Province) (Announcement No.47, 2025, the Ministry of Ecology and Environment of the People's Republic of China).
    - The secondary database has Carbon Footprint Information Platform, Yadi Technology Group Co., Ltd. – Electric Bicycle TDR2481Z, Chinese Product Full Life Cycle Greenhouse Gas Emission Coefficient Library, ICAO Carbon Emissions Calculator, Taiwan High Speed Rail – Carbon Footprint of High-Speed Rail Passenger Transportation Services, SimaPro 9.5.0.0 / Ecoinvent 3, SimaPro 9.6.0.1 / Ecoinvent 3.1, SimaPro 10.2.0.0 / Ecoinvent 3.
- The level of assurance for category 1 and category 2 agreed is that of reasonable assurance. Category 3 to category 6 agreed is that of limited assurance.
- The level of assurance agree is limited assurance for Winstar Display (Changshu) Co., Ltd. and Dongguan Vanstar Technology Co., Ltd.
- Materiality：5%
- The version of inventory sheet: 03 June 2026_V1
- The version of GHG statement: June 2026_V1.4
- Intended user of the verification opinion: Private

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG statement
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Conclusion

SGS's approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions information and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions. We planned and performed our work to obtain the information, explanations and evidence that the GHG emissions of category 1 and category 2 are free from material misstatement and nothing has come to our attention to cause us to believe that the GHG statement for category 3 to category 6 is materially misstated.

- The greenhouse gas emissions is 16,042.333 metric tonnes of CO_2 equivalent
- The emissions from the combustion of biomass is 0.0000 metric tonnes of CO_2 equivalent

The emission of each category is described as below: Unit: tonnes of CO_2e

Reporting Boundaries			GHG Emissions
Inventory categories		Description	
Direct emissions		Direct emissions from stationary combustion	1.7435
		Direct emissions from mobile combustion	69.6033
		Direct process emissions and removals from industrial processes	—
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	311.6437
		Direct emissions and removals from land use, land use change and forestry	—
Indirect emissions	Imported energy	Indirect greenhouse gas emissions from purchased electricity	3,174.8942
	Transportation	Indirect greenhouse gas emissions from upstream transportation and distribution –WINSTAR Display Co., Ltd.: Product items accounting for the top 85% of raw material purchase amounts for production, excluding finished goods item numbers. –Winstar Display (Changshu) Co., Ltd.: Direct raw materials (accounting for 50% of total purchase amount), packaging materials (accounting for 80% of total purchase amount), indirect raw materials, equipment consumables, and materials supplied from Taichung (accounting for 60% of total purchase amount). –Dongguan Vanstar Technology Co., Ltd.: Direct raw materials, indirect raw materials, packaging materials, equipment consumables, facility	26.9894

		operation consumables, and pollution control consumables.	
		Indirect greenhouse gas emissions from employee commuting	210.0744
		Indirect greenhouse gas emissions from business travel	45.0042
	Products used by an organization	Indirect greenhouse gas emissions from the procurement of goods and fuel- and energy-related activities not included in Scope 1 or Scope 2 (including upstream energy, purchased goods, and tap water) –WINSTAR Display Co., Ltd.: Direct raw material items accounting for the top 90% of purchase amounts (excluding finished goods item numbers), indirect raw materials, equipment consumables, packaging materials, infrastructure maintenance material, and pollution control consumables. –Winstar Display (Changshu) Co., Ltd.: Direct raw materials (accounting for 50% of total purchase amount), packaging materials (accounting for 80% of total purchase amount), indirect raw materials, equipment consumables, infrastructure maintenance material, and pollution control consumables. –Dongguan Vanstar Technology Co., Ltd.: Direct raw materials, indirect raw materials, packaging materials, equipment consumables,infrastructure maintenance material, and pollution control consumables.	12,157.7704
		Indirect greenhouse gas emissions from the disposal of solid and liquid waste (including transportation)	44.6094
	Associated with the use of products from the organization	Unquantified	—
	Other sources	Unquantified	—
Direct emissions and indirect emissions			16,042.333

The emission of each site is described as below: Unit: tonnes of CO_2e

Site	Direct emissions	Indirect emissions		Total GHG emissions
	Category 1	Category 2	Category 3~6	
WINSTAR Display Co.,Ltd.	109.1506	774.5451	1,536.2457	2,419.941
Winstar Display (Changshu) Co., Ltd.	165.6273	1,313.7146	10,551.7828	12,031.125
Dongguan Vanstar Technology Co., Ltd.	108.2126	1,086.6345	396.4193	1,591.266

- The opinion of SGS is modified in accordance with the following described circumstances.
  - The verifier has sufficient and appropriate evidence to support the material emissions, removals, or storage.
  - The verifier applies appropriate criteria for the material emissions, removals, or storage.
  - When the verifier intends to rely on relevant controls, the effectiveness of those controls has been assessed.
  - The verifier, applying the ISO 14064-1:2018 standard, presents the following findings. After adjustments and corrections, no material errors were identified.
    - Appropriate supporting evidence has been provided to support the revised comments.
    - The activity data has been revised based on the supporting evidence provided.
    - The correctness of the emission factors for the identified emission sources has been clarified and revised.
    - The report/inventory has been supplemented and revised based on the supporting evidence provided.
- Retention Limitation: NA
- Additional Notes: NA

Confidentiality

The reports and attachments may contain relevantly confidential information of the clients. In addition to being submitted as governmental application or certification documents, the reports and attachments are not allowed to be edited, duplicated, or published without the clients' agreement in written form.

Avoidance of Conflict of Interest

The reports and attachments are completely complied with the standards and procedures that related authorities established. The reports and attachments of auditing process are conduct with fairness and honesty. If not, the auditing institution not only has to bear the relevant compensation duties, but also to receive legal charge and punishment.

This opinion shall be interpreted with the GHG statement of WINSTAR as a whole.

Verifier Group

Above opinions coincide with auditing process with fairness and impartiality and aim at the emission of clients.

Lead Verifier: Ted Kuo

Verifier: Ashely Lin

Verifier: Angelia Hsu

Verifier: Shouk Lee

Note: This opinion is issued, on behalf of Client, by SGS Taiwan Ltd. ("SGS") under its General Conditions for Greenhouse Gas Verification Services available at http://www.sgs.com/terms_and_conditions.htm. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this opinion, the findings and the supporting GHG Statement may be consulted at WINSTAR Display Co., Ltd., 2F., No. 43, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.), This opinion does not relieve Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.