

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2024 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

371.9273 tonnes of CO₂e

Indirect emissions

10,471.7556 tonnes of CO₂e

Direct emissions and indirect emissions

10,843.683 tonnes of CO₂e

Authorized by



Stephen Pao

Business Assurance Director

Date: 26 September 2025

Version 1

TGP56B-15-1 2501

SGS Taiwan Ltd.

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The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries			GHG Emissions
Inventory categories		Description	
Direct emissions		Direct emissions from stationary combustion	4.8651
		Direct emissions from mobile combustion	75.6017
		Direct process emissions and removals from industrial processes	0.0000
		Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	291.4605
		Direct emissions and removals from land use, land use change and forestry	0.0000
Indirect emissions	Imported energy	Indirect emissions from imported electricity	3,020.7306
	Transportation	Emissions from upstream transport and distribution for goods: including the purchased goods categorized in the emission resource in category 4 Emissions from employee commuting Emissions from business travel	276.7767
	Products used by an organization	- Emissions from purchased goods: fuels, imported electricity, water; and purchased goods items as below: WINSTAR: the top 80% of direct raw material purchase value in the main production material, other production material, packaging material infrastructure maintenance material, equipment material; Winstar (Changshu): the top 30% of direct raw material purchase value in the main production materials, other production material, infrastructure maintenance material, equipment material; Dongguan Vanstar: the main production material, other production material, packaging material infrastructure maintenance material, equipment material. - Emissions from the disposal of solid and liquid waste	7,174.2483
	Associated with the use of products from the organization	Not assessed as significant indirect emission resources	-
	Other sources	Not assessed as significant indirect emission resources	-
Direct emissions and indirect emissions			10,843.683

The emission of each site is described as below:

Unit: tonnes of CO₂e

Site	Direct emissions	Indirect emissions		Total GHG emissions
	Category 1	Category 2	Category 3~6	
WINSTAR Display Co., Ltd.	88.4342	674.8535	1421.9994	2185.287
Winstar Display(Changshu) Co., Ltd.	178.1307	1130.3115	5720.4368	7028.879
Dongguan Vanstar Technology Co., Ltd.	105.3624	1215.5656	308.5888	1629.517

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 26 December 2022.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 08 July 2025 to 28 July 2025.

Scope

- GHG information for the following period was verified: 01 January 2024 to 31 December 2024
- 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.)
 - 2F.&4F, No. 25, Keya Rd., Daya Dist., Taichung City 428, Taiwan (R.O.C.)
 - No. 401, 400, Xinzhuang Road, Changshu City, Jiangsu Province, P.R. China
 - Building 13-305, Jinke Jimei Academy, Xinzhuang Town, Changshu City, Jiangsu Province
 - Building 12-704, Jinke Jimei Academy, Xinzhuang Town, Changshu City, Jiangsu Province
 - No.497, Guanchang Road, Ailing Kan, Dalingshan Town, Dongguan City, Guangdong Province, P.R. China
 - No. 62, Hengkengzi Road, Daling Town, Dongguan City, Guangdong Province, P.R. China

- Room 1602, Building 5, Shangcheng Garden, No. 265 Zhenhua Road, Dalingshan Town, Dongguan City, Guangdong Province, P.R. China
- Room 602, Building 8, Kaidong New Town, Daling Town, Dongguan City, Guangdong Province, P.R. China
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2021 AR6 GWP values are applied in this inventory.
- Emission factor:
 - Direct emissions: Greenhouse Gas Emission Factor Table (6.0.4), Greenhouse Gas Emission Factor, MOENV (2024.02.05).
 - Indirect emissions:
 - Electricity emission factor is 0.474 kgCO₂e/kwh (Announced by Energy Administration, Ministry of Economic Affairs in 2025) and Announcement No.3, 2025, the Ministry of Ecology and Environment of the People's Republic of China; and
 - The secondary database has Carbon Footprint Information Platform, Yadi Technology Group Co., Ltd.-Electric Bicycle TDR2481Z, Simapro 9.6.0.1 Ecoinvent v3.1, Chinese Product Full Life Cycle Greenhouse Gas Emission Coefficient Library
- The level of assurance for category 1 and category 2 agreed is that of reasonable assurance. Category 3 till category 6 agreed is that of limited assurance.
- The level of assurance agreed is limited assurance for Winstar Display(Changshu) Co., Ltd. and Dongguan Vanstar Technology Co., Ltd.
- Materiality : 5%
- The version of inventory sheet: V1
- The version of GHG statement: Version 1
- Intended user of the verification opinion: Private purpose
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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 are free from material misstatement.

- The greenhouse gas emissions is 10,843.683 metric tonnes of CO₂ equivalent
- The emissions from the combustion of biomass is 0.0000 metric tonnes of CO₂ equivalent

The emission of each category is described as below:

Unit: tonnes of CO₂e

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- 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.
 - Several activity data were filled in incorrectly in the inventory and the emission factors were quoted incorrectly. The organization have been corrected the verification findings to conform its accuracy.
- Retention Limitation: 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 conducted 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 year 2024 of clients.

Lead Verifier:

Sunny Chung

Verifier:

Mark Kong

Jacky Chen

Jim Tsai

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.