

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

USI Corporation

No. 330, Feng-Ren Rd., Ren-Wu District,
Kaohsiung City 814, Taiwan, R.O.C.



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

ISO 14064-1:2018

Direct emissions

21,074.0868 tonnes of CO₂e

Indirect emissions

615,281.0147 tonnes of CO₂e

Direct emissions and indirect emissions

636,355.102 tonnes of CO₂e

Authorized by



Stephen Pao

Business Assurance Director

Date: 13 August 2024

Version 1

TGP56B-15-1 2404

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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	20,554.5804
			Direct emissions from mobile combustion	60.0468
			Direct process emissions and removals from industrial processes	0.4698
			Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	458.9898
			Direct emissions and removals from land use, land use change and forestry	0.0000
Indirect emissions	Imported energy	Indirect GHG emissions from purchased power	121,600.9661	
	Transportation	Indirect GHG emissions from employee commuting and business travel	255.4542	
	Products used by an organization	Indirect GHG emissions from purchased goods and disposal of waste	493,424.5944	
	Associated with the use of products from the organization	NA	NA	
	Other sources	NA	NA	
Direct emissions and indirect emissions			636,355.102	

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	
Kaohsiung Plant	21,044.8606	121,408.2682	493,619.2863	636,072.415
Taipei Office	19.3247	99.5745	39.9752	158.874
Taoyuan Guishan Laboratory	9.9015	93.1234	20.7871	123.812

SGS has been contracted by USI Corporation (hereinafter referred to as "USI Corporation"), No. 330, Feng-Ren Rd., Ren-Wu District, Kaohsiung City 814, Taiwan, R.O.C. for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by USI Corporation (hereinafter referred to as "USI Corporation"), No. 330, Feng-Ren RD., Ren-Wu District, Kaohsiung City 814, Taiwan, R.O.C., in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of USI Corporation 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 between USI Corporation and SGS on 16 June 2023.
- Verification Criteria: ISO 14064-1:2018
- Verification Period: 17 February 2024 to 23 March 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023
- Location/boundary of the activities:
 - Kaohsiung Plant: No. 330, Feng-Ren Rd., Ren-Wu District, Kaohsiung City 814, Taiwan, R.O.C.
 - Taipei Office: 12th Floor, No.39, Ji-Hu Rd., Nei-Hu Dist., Taipei City 11492, Taiwan, R.O.C.
 - Taoyuan Guishan Laboratory: No. 9, Dinghu 5th St., Guishan Dist., Taoyuan City 333, Taiwan, R.O.C.
- 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)
 - Indirect emissions:
 - Electricity emission factor is 0.494 kgCO₂e/kwh (Announced by Energy Administration, Ministry of Economic Affairs in 2024).

- The secondary database has Carbon Footprint Information Platform
- 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.
- Materiality : 5%
- The version of inventory sheet: Kaohsiung Plant : 2024.4.30, V3 ; Taipei Office : 2024.4.30, V2 ; Taoyuan Guishan Laboratory: 2024.4.30, V2
- The version of GHG statement: 2024.8.1, V0
- 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 are free from material misstatement.

- The greenhouse gas emissions is 636,355.102 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.
 - There is a difference on the activity data of Category 1 septic tank CH₄ at Kaohsiung Plant.
 - There is a difference on the activity data of Category 3 business travel high speed railway at Kaohsiung Plant.
 - There is a difference on the activity data of Category 4 Waste transportation at Kaohsiung Plant
- 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 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 USI Corporation as a whole.

Verifier Group

Above opinions coincide with auditing process with fairness and impartiality and aim at the emission of year 2023 of clients.

Lead Verifier:

John Chiang

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 Assertion may be consulted at USI Corporation, No. 330, Feng-Ren RD., Ren-Wu District, Kaohsiung City 814, 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.