



Independent Assurance Opinion

Verification Opinion No.:
C673686-2023-AG-TWN-DNV-Rev.1

Issued date:
11 April, 2024

Page 1 of 2

This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2023) of

LCY Technology Corp. Copper Foil Plant

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by LCY Technology Corp. Copper Foil Plant (the Organization) to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2023) (hereafter the "Inventory Report") in Taiwan, ROC with respect to the site: No. 3-1, Zhonglin Road, Xiaogang District, Kaohsiung City, Taiwan (R.O.C.).

The Reporting Boundary for the verification including direct GHG emissions and removals, indirect GHG emissions from imported energy, indirect GHG emissions from transportation, and indirect GHG emissions from products used by the Organization. The further descriptions for the Reporting Boundary listed in Appendix.

Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2018 as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting.

The verification was conducted in accordance with ISO 14066:2011, ISO 14065:2020, ISO14064-3:2019

Verification Opinion

It is DNV's opinion that the Inventory Report (2023), which was published on March 27, 2024 (Ver. 1), is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches,

- For the Direct (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report (2023) were verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was tested using agreed-upon procedures, AUP, defined in Inventory Report.

Chun-Nan Lin
Principal

Place and date:
Taipei, 11 April, 2024

For the issuing office:
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220, Taiwan

Management Representative

Supplement to Verification Opinion

Process and Methodology

The reviews of the Inventory Report and relevant documents, and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.

Quantification of Greenhouse Gas Emission

The Inventory Report covering the period 1st January, 2023 to 31st December, 2023, it is DNV's opinion that relevant GHG emissions and removals identified within the Reporting Boundary has been included in the Inventory Report as claimed in accordance with the verification criteria identified as stated above, and results in quantification of GHG emissions that are real, transparent and measurable.

Organizational Boundary of Verification

Financial Management Control Operational Management Control Equity Share

GHGs Verified

CO₂ CH₄ N₂O HFCs PFCs SF₆ NF₃

The Quantification of GHG emissions and removals in Direct and Indirect Emission Source:

Category	unit: Ton CO ₂ -e
Direct Emissions (Category 1)	175.8311
Imported Energy Indirect Emissions (Category 2)	58,681.3576

*: Unless other indicated, the Indirect Emissions was calculated based on 2022 electricity emission factor of 0.495 kg CO₂-e/kwh, which was announced by Bureau of Energy, Ministry of Economic Affairs. The externally verified 2022 steam carbon emission coefficient of China Steel Corporation, an outsourced steam procurement supplier, is 0.1967319342 tons CO₂e/ton. The Global Warming Potential (GWP) defined in IPCC AR6 2023) has been choose and correctly referred by the Organization.

** :the details subcategory of each category could be refer later in the Report.

Quantification of other indirect emissions (tonnes CO₂e):

Indirect Emissions Category	Subcategory	unit: Ton CO ₂ -e
Transportation (Category 3)	Upstream transportation and distribution for goods	306.6247
	Emissions from business travel	1.6988
	Emissions from employee commuting	94.0181
	Downstream transportation and distribution	388.8190
Products used by organization (Category 4)	Purchased fuel-and-energy-related activities (not include in category 1 or 2)	11,151.6655
	Purchased goods	11,453.4143
	Emissions from disposal treatment of solid and liquid waste	45.4433
	Emissions from disposal transportation of solid and liquid waste	10.8520

Verification Opinion

unmodified modified adverse

APPENDIX

The scope of indirect emissions, other than Imported Energy with specified/limited list of sources, was defined by LCY's own pre-determined criteria for significance of indirect emissions, considering the intended use of the GHG inventory.

Category	Subcategory	Reporting Boundary
Indirect GHG emissions from transportation	Upstream transportation and distribution for goods	Emissions from regular purchase of raw material transportation, including raw materials, auxiliary materials, packaging materials and filter materials.
	Emissions from business travel	Business travel. Transportation of employees for business-related activities, includes land and air transportation.
	Emissions from employee commuting	Employees commute. Employee transportation between home and work, including cars and motorcycles or public transportation.
	Downstream transportation and distribution	Emissions from the transportation and distribution of products.
Indirect GHG emissions from products used by the Organization	Purchased fuel-and-energy-related activities (not include in category 1 or 2)	Emissions associated with the production of purchased energy (i.e. upstream emissions associated with fuels and electricity production)
	Purchased goods	Upstream (cradle-to-gate) emissions from regularly purchased raw materials, except filter materials.
	Emissions from the disposal treatment of solid and liquid waste.	Emissions from the disposal treatment of solid and liquid waste.
	Emissions from the disposal transportation of solid and liquid waste.	Emissions from the disposal transportation of solid and liquid waste.