

Independent Verification Opinion

Verification Opinion No.:
C774847-2024-AG-TWN-DNV

Issued Place and Date:
Taipei, 16 July, 2025

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This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2024) of

Fortune Electric Co. Ltd.

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by Fortune Electric Co. Ltd. (hereafter "the Organization") to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2024) (hereafter the "Inventory Report") in Taiwan, R.O.C. with respect to the sites listed as below.

Site	Address
Zhongli Factory	No.10, Jilin Rd., Zhongli Dist., Taoyuan City 32063, Taiwan (R.O.C.)
Guanyin No.2 Factory	No. 33, Jingjian 2nd Rd., Guanyin Dist., Taoyuan City 328454 , Taiwan (R.O.C.)
Guanyin No.3 Factory	No. 55, Zhongzheng Rd., Guanyin Dist., Taoyuan City 328003 , 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, indirect GHG emissions from products used by the Organization and indirect GHG emissions associated with the use of products from the Organization. The further descriptions for the Reporting Boundary listed in Appendix A.

Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2018, CNS 14064-1:2021/GHG Protocol as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting. The verification was conducted in accordance with ISO 14066:2023, ISO 14065:2020, ISO14064-3:2019.

Verification Opinion

It is DNV's opinion that the Inventory Report (2024), which was published on April 15, 2024 (Final Version), 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/Scope 1) GHG emissions and Indirect GHG emissions from imported energy (Category/Scope 2), the reliability of the information within the Inventory Report (2024) was verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was verified with limited level of assurance.

Also, the GHG information as stated in Appendix B has been verified during the process.

GHG Verifier :
Arbin (Fang-Bin) Chang



For the issuing office:
DNV Business Assurance Co., Ltd.



Management Representative

The Appendix forms an integral part of this Certificate, which shall be invalid when used without the Appendix.

Lack of fulfilment of conditions as set out in the Verification Agreement may render this Verification invalid. This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, DNV cannot guarantee the accuracy or correctness of the information. DNV cannot be held liable by any party relying or acting upon this Verification Opinion.

The issuing office : 29Fl., No. 293, Sec. 2, Wenhua Rd., Banqiao District, New Taipei City 220, Taiwan Tel.: +886-2-82537800. <https://www.dnv.com/tw/>
DNV ZNATW-OP-F50, Rev.14, 2025-03

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, 2024 to 31st December, 2024, it is DNV's opinion that 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 ☒ HFC_s ☒ PFC_s ☒ SF₆ ☒ NF₃

Quantification of Emissions (in tonnes CO₂e)

The Global Warming Potential (GWP) defined in IPCC AR6(2021) has been chosen and correctly referred by the Organization.

The Quantification of GHG emissions:

Category		Emission (ton CO ₂ e)
Category 1	Direct GHG emissions and removals	24,418.533
1.1	Stationary combustion emissions	93.238
1.2	Mobile emissions	194.443
1.3	Industry process	0.000
1.4	Fugitive emissions	24,130.852
Category 2	Indirect GHG emissions from imported energy	6,059.853
2.1	Indirect emissions from imported electricity	6,059.853
Category 4	Indirect GHG emissions from products used by an organization	61,577.969
4.1	Purchased goods and services	61,577.969
Total		92,056.355

(The Imported Energy Indirect Emissions was calculated based on 2024 electricity emission factor of 0.474 kg CO₂e/kwh, which was announced by Energy Administration, Ministry of Economic Affairs. The Global Warming Potential (GWP) defined in IPCC AR6 (2021) has been chosen and correctly referred by the Organization.)

Type of Opinion

☒ unmodified ☐ modified ☐ adverse

APPENDIX A

The Reporting Boundary of Fortune Electric Co. Ltd. Greenhouse Gas Inventory Management Report (2024)

Category	Subcategory	Boundary
Category 2	2.1 Imported electricity	-Bill and invoice from suppliers (TPC)
Category 3*	Indirect GHG emissions associated with the use of products from the organization	Not Significant Emissions
Category 4	Indirect GHG emissions from purchased goods, which are emissions associated with the fabrication of the product.	- select representative raw materials (The raw materials that make up the representative product are calculated as the raw materials accounting for the top 70% by weight.) - The purchase weight accounts for more than 95% of the total purchase of representative raw materials -Weight of in-comming goods and raw material report
Category 5*	Indirect GHG emissions associated with the use of products from the organization	Not Significant Emissions
Category 6*	Indirect GHG emissions from other sources	Not Significant Emissions

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

APPENDIX B

The organization boundary of report:

Plant	Address	Category 1 (Ton CO ₂ e)	Category 2 (Ton CO ₂ e)	Category 4 (Ton CO ₂ e)
Total Emissions of Fortune Electric Co. Ltd.		24,418.533	6,059.853	61,577.969
Zhongli Factory	No.10, Jilin Rd., Zhongli Dist., Taoyuan City 32063, Taiwan (R.O.C.)	163.089	1,899.081	24,535.335
Guanyin No.2 Factory	No. 33, Jingjian 2nd Rd., Guanyin Dist., Taoyuan City 328454 , Taiwan (R.O.C.)	24,099.407	3,763.560	35,636.317
Guanyin No.3 Factory	No. 55, Zhongzheng Rd., Guanyin Dist., Taoyuan City 328003 , Taiwan (R.O.C.)	156.037	397.212	1,406.318

APPENDIX C

For direct emissions and removals, quantified separately for each GHG as below:

GHG Type	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	Total
Emissions (ton CO ₂ e)	281.0113	106.5180	5.2126	100.9913	0.0000	23,924.8000	0.0000	24,418.533
Proportion (%)	1.15%	0.44%	0.02%	0.41%	0.00%	97.98%	0.00%	100.00%

The Appendix forms an integral part of this Certificate, which shall be invalid when used without the Appendix.

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