

# Independent Verification Opinion

**Verification Opinion No.:**  
C690489-2022-AG-TWN-DNV

**Issued Place:**  
Taipei

**Issued Date:**  
18 July, 2024

This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2022) of

## Fortune Electric Co. Ltd.

### Scope of Verification

DNV Business Assurance (DNV) has been commissioned by Fortune Electric Co. Ltd. ('the Organization') to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2022) (hereafter the "Inventory Report") in Taiwan, R.O.C. with respect to the area: No.10, Jilin Rd., Zhongli Dist., Taoyuan City 32063, 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 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

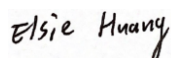
### Verification Opinion

It is DNV's opinion that the Inventory Report (2022), which was published on Jun 2024 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 (2022) were verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was verified and tested using limited assurance, defined in Inventory Report.

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

Elsie Huang  
GHG Verifier



Place and date:  
**Taipei, 18 July, 2024**

For the issuing office:

**DNV Business Assurance Co., Ltd.**  
**29Fl., No. 293, Sec. 2, Wenhua Rd.,**  
**Banqiao District, New Taipei City**  
**220, Taiwan**



Management Representative



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## 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 1 January, 2022 to 31 December, 2022, 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 Control ☒ Operational Control ☐ Equity Share

### GHGs Verified

☒ CO<sub>2</sub> ☒ CH<sub>4</sub> ☒ N<sub>2</sub>O ☒ HFCs ☒ PFCs ☒ SF<sub>6</sub> ☒ NF<sub>3</sub>

The Quantification of GHG emissions:

Category		Emission (ton CO <sub>2</sub> e)
<b>Category 1</b>	<b>Direct GHG emissions and removals</b>	<b>386.568</b>
<b>1.1</b>	Stationary combustion emissions	95.5249
<b>1.2</b>	Mobile emissions	94.9015
<b>1.3</b>	Industry process	-
<b>1.4</b>	Fugitive emissions	196.1411
<b>Category 2</b>	<b>Indirect GHG emissions from imported energy</b>	<b>4,740.219</b>
<b>2.1</b>	Indirect emissions from imported electricity	4,740.2190
<b>Category 4</b>	<b>Indirect GHG emissions from products used by an organization</b>	<b>32,941.359</b>
<b>4.1</b>	Purchased goods and services	32,941.3591
<b>Total</b>		<b>38,068.146</b>

(The Imported Energy Indirect Emissions was calculated based on 2022 electricity emission factor of 0.495 kg CO<sub>2</sub>-e/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.)

### Verification Opinion

☒ unmodified ☐ modified ☐ adverse

## Appendix to Verification Opinion No. C690489-2022-AG-TWN-DNV

### APPENDIX A

The organization boundary of report:

Plant	Address	Category 1 (Ton CO <sub>2</sub> e)	Category 2 (Ton CO <sub>2</sub> e)	Category 4 (Ton CO <sub>2</sub> e)
<b>Total Emissions of Fortune Electric Co. Ltd.</b>		<b>386.568</b>	<b>4,740.219</b>	<b>32,941.359</b>
Zhongli Factory	No.10, Jilin Rd., Zhongli Dist., Taoyuan City 32063, Taiwan (R.O.C.)	112.710	1,324.323	14,421.306
Guanyin No.2 Factory	No. 33, Jingjian 2nd Rd., Guanyin Dist., Taoyuan City 328454, Taiwan (R.O.C.)	98.183	3,005.046	17,616.017
Guanyin No.3 Factory	No. 55, Zhongzheng Rd., Guanyin Dist., Taoyuan City 328003, Taiwan (R.O.C.)	175.674	410.850	904.037

### APPENDIX B

The Reporting Boundary of Fortune Electric Co. Ltd. Greenhouse Gas Inventory Management Report (2022)

Indirect emissions verification procedures:

Category	Subcategory	Verification Procedures
<b>Category 2</b>	2.1 Imported electricity	-Bill and invoice from suppliers (TPC)
<b>Category 3*</b>	Indirect GHG emissions associated with the use of products from the organization	Not Significant Emissions
<b>Category 4</b>	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-coming goods and raw material report
<b>Category 5*</b>	Indirect GHG emissions associated with the use of products from the organization	Not Significant Emissions
<b>Category 6*</b>	Indirect GHG emissions from other sources	Not Significant Emissions

NOTE: Category 3 & Category 5 & Category 6 were evaluated as Not Significant Emissions base on Fortune Electric Co. Ltd.'s significant emission identification process reported in GHG inventory report.

### APPENDIX C

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

GHG Type	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>	NF <sub>3</sub>	Total
Emissions (ton CO <sub>2</sub> e)	186.5843	118.9586	2.9136	78.1111	0	0	0	386.568
Proportion (%)	48.27	30.77	0.75	20.21	0	0	0	100