



ASSURANCE OPINION GREENHOUSE GAS EMISSIONS

This is to verify that

E&R Engineering Corp.

61、69、69-8 Heng Shan Rd, Yan-Chao District, Kaohsiung 824 Taiwan.

Holds Statement No: TWN24746173G-2/E Rev.1

BUREAU VERITAS CERTIFICATION HONG KONG LIMITED was engaged to conduct an independent verification of the greenhouse gas (GHG) emissions reported by E&R Engineering Corp. for the period stated below. This Verification Statement applies to the related information included within the scope of work described below.

The determination of the GHG emissions is the sole responsibility of E&R Engineering Corp.. BV's sole responsibility was to provide independent verification on the accuracy of the GHG emissions reported, and on the underlying systems and processes used to collect, analyze and review the information.

Boundaries of the reporting company GHG emissions covered by the verification:

- E&R Engineering Corp. at 61、69、69-8 Heng Shan Rd, Yan-Chao District, Kaohsiung 824 Taiwan.
- Period covered by GHG emissions verification: January 1, 2024 to December 31, 2024

Emissions data verified:

- Category 1 - Direct GHG emissions and removals: **57.9907 tCO₂e**
- Category 2 - Indirect GHG emissions from imported energy: **1,928.7296 tCO₂e**
- Category 3 - Indirect GHG emissions from transportation: **170.3736 tCO₂e**
- Category 4 - Indirect GHG emissions from products used by organization: **430.2411 tCO₂e**

Assurance Opinion:

Based on the process and procedures conducted, we conclude that the GHG statement for Category 1 and 2 is materially correct and is a fair representation of the GHG data and information, and is prepared in accordance with the ISO 14064-1:2018. Levels of Reasonable Assurance in Compliance Verification Agreements.

There is no evidence that the GHG statement for Category 3,4 is not materially correct and is not a fair representation of GHG data and information and has not been prepared in accordance with the ISO 14064-1:2018 Levels of Limited Assurance in Compliance Verification Agreements.

It is our opinion that E&R Engineering Corp. has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of these GHG emissions for the stated period and boundaries.

Carter Liu, Technical Reviewer
Originally Issue: 18/7/2025

Marvin NG, Area Manager & Operation Manager
Latest Issue: 18/7/2025



Holds Statement No: TWN24746173G-2/E Rev.1
Latest Issue: 18/7/2025

**BUREAU
VERITAS**

Greenhouse Gas Statement:

- E&R Engineering Corp.: 61、69、69-8 Heng Shan Rd, Yan-Chao District, Kaohsiung 824 Taiwan.

Categories	Subcategories	Remark	tCO₂e
Category 1: Direct GHG emissions and removals	1.1 Direct emissions from stationary combustion	--	0.0509
	1.2 Direct emissions from mobile combustion	--	11.4802
	1.3 Direct process emissions and removals arise from industrial processes	--	0.0000
	1.4 Direct fugitive emissions arise from the release of greenhouse gases in anthropogenic systems	--	46.4596
	1.5 Direct emissions and removals from Land Use, Land Use Change and Forestry	--	0.0000
	Direct biogenic CO ₂ emissions and removals	--	0.0000
Category 2: Indirect GHG emissions from imported energy	2.1 Indirect emissions from imported electricity	Location based approach*	1,928.7296
	2.2 Indirect emissions from imported energy	Market based approach	N.A.
		N.A.	N.A.
Category 3: Indirect GHG emissions from transportation	3.1 Emissions from Upstream transport and distribution for goods	The distance use the local government location instead of the upstream really location to calculate the emission.	0.0154
	3.2 Emissions from Downstream transport and distribution for goods	N.S.	N.A.
	3.3 Emissions from Employee commuting includes emissions	To use the questionnaire identify the type of transportation then use the district public service government location instead of the employee address to calculate the emission.	170.3582
	3.4 Emissions from Client and visitor transport	N.S.	N.A.
	3.5 Emissions from Business travels	N.S.	N.A.
Category 4: Indirect GHG emissions from products used by organization	4.1 Emissions from Purchased goods	The purchased products are align with the carbon footprint report.	425.5500
	4.2 Emissions from Capital goods	N.S.	N.A.
	4.3 Emissions from the disposal of solid and liquid waste	The waste include the general waste and recycling waste.	4.6911.
	4.4 Emissions from the use of assets	N.S.	N.A.
	4.5 Emissions from the use of	N.S.	N.A.



Holds Statement No: TWN24746173G-2/E Rev.1
Latest Issue: 18/7/2025

BUREAU
VERITAS

	services that are not described in the above subcategories			
Category 5: Indirect GHG emissions associated with the use of products from the organization	5.1 Emissions or removals from the use stage of the product	N.S.	N.A.	N.A.
	5.2 Emissions from downstream leased assets	N.S.	N.A.	
	5.3 Emissions from end of life stage of the product	N.S.	N.A.	
	5.4 Emissions from investments	N.S.	N.A.	
Category 6: Indirect GHG emissions from other sources		N.S.	N.A.	N.A.

#: N.S.: Non-significant ; N.A.: Not available

GHG Verification Protocols used to conduct the verification:

- ISO 14064-1:2018, ISO 14064-3:2019
- Period covered by GHG emissions verification: January 1, 2024 to December 31, 2024
- GHG covered: Carbon dioxide (CO₂), Methane (CH₄), Nitrous oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulfur hexafluoride (SF₆) and Nitrogen trifluoride (NF₃)
- Global warming potential (GWP): 2021 IPCC Sixth Assessment Report (AR6)
- Electricity Emission Factor: 2024 Electricity Retailing Utility Enterprise Electricity Carbon Emission Factor (0.474 kgCO₂e/kWh) published by Bureau of Energy, Ministry of Economic Affairs, R.O.C.
- Approach for consolidating GHG emissions: Operational Control
- GHG Inventory: 20/06/2025
- GHG Report: 20/06/2025

GHG Verification Methodology:

- Interviews with relevant personnel of E&R Engineering Corp.;
- Review of documentary evidence produced by E&R Engineering Corp.;
- Review of E&R Engineering Corp. data and information systems and methodology for collection, aggregation, analysis and review of information used to determine GHG emissions at E&R Engineering Corp. Headquarters and during site visits to E&R Engineering Corp. and
- Audit of sample of data used by E&R Engineering Corp. to determine GHG emissions.

Verification Date:

- 09/06/2025, 16~18/06/2025, and 30/06/2025

Verification Team:

- Lead Verifier: C.F.Chang *C.F. Chang*
- Verifier: N.A.



Holds Statement No: TWN24746173G-2/E Rev.1
Latest Issue: 18/7/2025

BUREAU
VERITAS

Statement of independence, impartiality and competence

The Bureau Veritas Group is an independent professional services company that specializes in Quality, Health, Safety, Social and Environmental management with over 190 years history in providing independent assurance services.

No member of the verification team has a business relationship with E&R Engineering Corp., its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.
The Bureau Veritas Group has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of The Bureau Veritas Group standard methodology for the verification of greenhouse gas emissions data.

This verification statement, including the opinion expressed herein, is provided to E&R Engineering Corp. and is solely for the benefit of E&R Engineering Corp. in accordance with the terms of our agreement. We consent to the release of this statement by you to others interest party in order to satisfy the terms of disclosure requirements but without accepting or assuming any responsibility or liability on our part to any other party who may have access to this statement.