



Greenhouse gas emissions Verification Statement

28 June 2023

HAGIWARA ELECTRIC HOLDINGS CO., LTD.

Japan Management Association
GHG Certification Center
Senior Executive: Masahiro Hirakawa



1. Objective and Scope of Verification

Japan Management Association GHG Certification Center (JMACC) was commissioned by HAGIWARA ELECTRIC HOLDINGS CO., LTD. (hereinafter, referred to as “the Organization”) to conduct independent verification on a limited level of assurance. The scope of verification is the following greenhouse gas (GHG) emissions of the Organizational boundary^{**1} within its 2021 Monitoring Report (hereinafter, referred to as “the Report”) from 1/April/2021 to 31/March/2022.

1) SCOPE 1 GHG emissions;

Direct CO₂ emissions from the Organizational boundary by using city gas, and from the vehicles owned by the Organization by using gasoline

2) SCOPE 2 GHG emissions;

Indirect CO₂ emissions from the Organizational boundary by using electricity

3) SCOPE 3 GHG emissions;

CO₂ emissions from the category 1, 2, 3, 4, 5, 6 and 7 of SCOPE 3^{**2} of the Organization

The objective of this verification is to confirm that the GHG emissions in the Organization’s applicable scope have been correctly calculated and reported in line with the criteria of the monitoring procedure^{**3}, and to express our views as a third party. Organization’s responsibility is to calculate and report the GHG emissions and JMACC’s responsibility is to express our views as a third party.

2. Procedure of Verification

The Report was verified in accordance with the requirements of ISO14064-3:2019 (Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements), and following processes were conducted.

- Confirmation regarding to the data used to decide GHG emissions, monitoring procedure, monitoring system, and related documents
- Interviews with person in charge of making the Report
- Confirmation of the evidence by sampling for confirmation of the accuracy of GHG emissions

3. Conclusion of Verification

Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that Organization's GHG emissions in the Report of fiscal year 2021 were not calculated and reported in conformance with the criteria.

SCOPE	Verified GHG emissions (t-CO ₂ e)		Organizational boundary ^{※1}
SCOPE 1	296		HAGIWARA ELECTRIC HOLDINGS CO., LTD. HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD. HAGIWARA HOKUTO TECHNO CO., LTD. Hagiwara America, Inc. Hagiwara (Shanghai) Co., Ltd.
SCOPE 2 ^{※4}	Location-based 861	Market-based 872	
SCOPE 3	583,264		See below
Breakdown of SCOPE 3			
Category 1 ^{※5}	561,639		HAGIWARA ELECTRIC HOLDINGS CO., LTD. HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD.
Category 2	695		
Category 3	193		HAGIWARA ELECTRIC HOLDINGS CO., LTD. HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD. HAGIWARA HOKUTO TECHNO CO., LTD.
Category 4	20,384		HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD.
Category 5	59		HAGIWARA ELECTRIC HOLDINGS CO., LTD. HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD.
Category 6	92		
Category 7	202		
SCOPE1,2,3 (Total of above)	SCOPE 2: Location-based 584,421	SCOPE 2: Market-based 584,432	Organizational boundary ^{※1} See above

NOTE:

※1 : Organizational boundary : HAGIWARA ELECTRIC Group (Total 13 sites)

- HAGIWARA ELECTRIC HOLDINGS CO., LTD. : Headquarters
- HAGIWARA ELECTRONICS CO., LTD. : Headquarters, Kansai Sales Division, Miyoshi Distribution Center
- HAGIWARA TECHNO SOLUTIONS CO., LTD.
: Headquarters, Tokyo Branch, Kansai Branch, Kyushu Residence, Nisshin Office, Toyota Distribution Center
- HAGIWARA HOKUTO TECHNO CO., LTD. : Nagoya Office (Headquarters)
- Hagiwara America, Inc. : Headquarters
- Hagiwara (Shanghai) Co., Ltd. : Headquarters

※2 : Categories of SCOPE 3 are 1, 2, 3, 4, 5, 6 and 7

- **Category 1** (Purchased goods and services) : Raw materials, parts, goods, materials, services and major indirect expenses purchased by the organizational boundary
- **Category 2** (Capital goods) : For capital goods (facilities, equipment, buildings, vehicles, software etc.) purchased / acquired by the organizational boundary
- **Category 3** (Fuel and energy related activities not included in Scope 1 or Scope 2) :
Fuel (city gas, gasoline) and electricity consumption at the organizational boundary
- **Category 4** (Transport and delivery (upstream)) : Domestic / overseas shipping transportation
- **Category 5** (Waste generated in operations) : Industrial waste and non-industrial waste at the organizational boundary
- **Category 6** (Business travel) : Full-time employee at the organizational boundary
- **Category 7** (Employee commuting) : Full-time employee at the organizational boundary

※3 : Monitoring procedure of SCOPE 1,2 and 3 : “Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (ver.2.4) ” , “Database of emissions unit values for Greenhouse Gas Emissions Throughout the Supply Chain (ver.3.2) ” and “2021 Monitoring procedures” prepared by the organization.

※4 : Emission factor for electricity consumption : Adjusted emission factor under GHG emissions reporting system

※5 : Organizational boundary of major indirect expenses is 21 sites including group companies in addition to 13 sites in ※1.