

Greenhouse gas emissions Verification Statement

31 July 2025

Furukawa Electric Co., Ltd.

Japan Management Association
Sustainability Center
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1. Objective and Scope of Verification

Japan Management Association Sustainability Center (JMASusC) was commissioned by Furukawa Electric 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 information within the organizational boundary^{*1} in its 2025 Furukawa Electric Group Environmental Protection Data Report (hereinafter, referred to as “the Report”) from 1 April 2024 to 31 March 2025.

- 1) SCOPE 1 GHG emissions:
Direct CO₂ emissions by using fuels and emissions of used SF₆^{*2} within the organizational boundary
- 2) SCOPE 2 GHG emissions:
Indirect CO₂ emissions within the organizational boundary by using electricity and heat
- 3) SCOPE 3 GHG emissions:
GHG emissions within the category 1, 2, 3, 6, 7, 11, 12 and 15 of SCOPE 3^{*3}

The objective of this verification is to confirm that the monitoring data in the Organization’s applicable scope have been correctly calculated and reported in line with the criteria of the monitoring procedure^{*4}, and to express our views as a third party. The Organization’s responsibility is to prepare the Report and report the monitoring data, and JMASusC’s responsibility is to express our views on the monitoring data of the Report as a third party.

2. Procedure of Verification

GHG emissions information in 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 implemented:

- Assessment including visiting the Organization’s Head office, regarding the information to specify the GHG emissions in the Report, monitoring procedure, monitoring system and related documents
- Interviews with persons in charge of preparing the Report
- Visiting Furukawa Electric Co., Ltd. Mie Works and Furukawa Electric Metal Cable Co., Ltd. Kyushu Plant to confirm the monitoring boundary, the data collection processes, and to physically check monitoring points of energy supplied and interviewing with persons in charge of monitoring
- Video conference interview with Lightera, LLC. Norcross Headquarters to confirm the subject of calculation and data collection procedures
- Verifying the evidence for confirmation of the accuracy of GHG emissions information by sampling

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 the Organization's GHG emissions information in the Report of fiscal year 2024 was not calculated and reported in conformance with the criteria in all material respects.

Verified GHG emissions (t-CO ₂ e)		Organizational boundary ^{*1}
SCOPE 1: CO ₂	95,557	The Organization and its consolidated subsidiaries
SCOPE 1: SF ₆ ^{*2}	11,564	
SCOPE 2: Location-based ^{*5}	454,645	
SCOPE 2: Market-based ^{*6}	309,298	
SCOPE 3	3,406,610	See below
Breakdown of SCOPE 3		
Category 1	1,605,008	The Organization and its consolidated subsidiaries
Category 2	135,626	
Category 3	96,998	
Category 6	6,671	
Category 7	24,032	
Category 11	1,304,033	Sold High-voltage power cables and Automotive parts
Category 12	81,823	Same as Category 11
Category 15	152,419	Companies and affiliates in which the Organization holds shares

NOTE:

*1: Organizational boundary

The consolidated companies of the Organization, except for the category 11 and 12 of scope 3; the verified emissions of these categories are limited for the subject written above in the table.

*2: The amount released into the atmosphere was considered the amount used (process input) minus the amount recovered.

*3: Overview of categories of SCOPE 3

- Category 1 (Purchased goods and services): Purchased raw materials, materials, and commodities (excluding liquids and gases)
- Category 2 (Capital goods): Estimates based on capital investments in fixed assets
- Category 3 (Fuel- and energy-related activities not included in Scope 1 or Scope 2): Estimates based on the usage of fuel, electricity, and heat
- Category 6 (Business travel): Estimates based on the number of employees
- Category 7 (Employee commuting): Estimates based on the number of employees
- Category 11 (Use of sold products): Emissions associated with energy consumed in the use of sold products of their lifetime
- Category 12 (End-of-life treatment of sold products): Emissions associated with the disposal of sold products
- Category 15 (Investments): Scope 1 and 2 emissions from companies in which the Organization holds an ownership stake of 1% or more

*4: Scope 1, 2, and 3 calculation methods: GHG Protocol Corporate Standards, Japan's Mandatory Greenhouse Gas Accounting and Reporting System, AIST-IDEA Ver.3.4.1, "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (ver.2.7)" and "Furukawa Electric Group Environmental Protection Data Calculation and Reporting Guideline Ver.2.2" prepared by the Organization.

*5: Location-based electricity emission factors

Japan: Uses the national average factor published by the Ministry of the Environment.

Overseas: Uses factors published by the relevant energy authority in each country and region.

*6: Market-based electricity emission factors

Japan: Uses basic emission factors by electric utility and menu published by the Ministry of the Environment.

Overseas: Uses factors based on each site's electricity contract, or values published by the relevant energy authority in each country and region.