

Third-Party verification

Third-Party verification of CO₂ Emissions and Emissions Trading System

We were verified on the environmental data in FY 2019 below by Independent Organization.

Verified items:

- Purchased Energy, CO₂ emissions from energy usage
- Scope 3 Emissions (Category 2, 3, 4, 5)
- VOC Emissions
- Water Consumption, Groundwater intakes volume
- Amount of Waste Sent to Landfill

Coverage:

- In Japan 100%
- Overseas 100%

Verification standards

ISAE3000 and ISO14064-3

Environmental Performance Data Independent Verification Report

To: FUJII ELECTRIC CO., LTD.



February 24, 2021

Japan Audit and Certification Organization
for Environment and Quality (JACO)
President *Hiroyuki Onodera*

Japan Audit and Certification Organization for Environment and Quality (JACO) has been engaged by Fuji Electric Co., Ltd. including its domestic consolidated company and overseas consolidated production subsidiary (hereinafter referred to as "the Organization") to conduct independent verification of its environmental data in the "Fuji electric sustainable management support system" (hereinafter referred to as "FESMART") prepared under the responsibility of the Organization. The aim of this verification is to consider the accuracy of environmental data and to provide a verification opinion.

Verification was conducted as limited assurance according to the procedure agreed with the Organization based on JACO verification standards in accordance with International Assurance Business Standard (ISAE) 3000. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

- Purpose and scope of verification**
With regard to the following Environmental Performance Data for the fiscal year 2019 (April 1, 2019 to March 31, 2020) reported to "FESMART", verification was conducted.
 - Energy consumptions in the Organization's 43 sites.
 - Water (purchase and groundwater intake amount) in production sites.
 - Wastes including "valuables" (emission and final disposal amount) from production sites; and
 - VOC (emissions to the air) from production sites.

- Sampling sites and verification procedures**
Sites visited (replaced by online interview due to a circumstance):
 - Fuji Electric Co., Ltd. Miki Factory
 - Fuji Electric Co., Ltd. Chiba FactoryData sampling sites:
 - Fuji Electric Co., Ltd. Kawasaki Factory
 - Fuji Electric Power Semiconductor Co., Ltd. Omachi Factory
 - Fuji Electric Power Semiconductor Co., Ltd. Iiyama Factory
 - Fuji Electric Philippines, Inc.

Verification was conducted based on confirmation of the related documents formulated, interviews with or inquiries to the responsible persons and persons in charge, confirmation of the method of obtaining data, and comparison between the reported data and supporting documented information (evidence).

- Conclusion**
Based on the procedures we have performed and evidence we have obtained, nothing has come to our attention that causes us to believe that the Organization's Environmental Performance Data in accordance with the calculation registered in "FESMART" managed by the Organization:
 - is not materially accurate and are not a fair representation of the Environmental Performance Data as per the scope of topic and
 - is not prepared in accordance with the methodology implemented by the Organization.

Verified Environmental Performance Data:

- Energy consumptions: 1,015 GWh
- Water (purchase and groundwater intake amount): 13,388 thousand m³
- Wastes emission amount: 32,387 tons and final disposal amount: 345 tons
- VOC (emissions to the air): 1,033 tons

The Organization and JACO verification team did not have any specific conflicts of interest and carried out the verification on an independent basis.

Greenhouse Gas Emissions Verification Report

To: FUJII ELECTRIC CO., Ltd.



February 24, 2021

Japan Audit and Certification Organization
for Environment and Quality (JACO)
President *Hiroyuki Onodera*

Japan Audit and Certification Organization for Environment and Quality (JACO) has been engaged by Fuji Electric Co., Ltd. including its domestic consolidated company and overseas consolidated production subsidiary (hereinafter referred to as "the Organization") to conduct independent verification of its environmental data in the "Fuji electric sustainable management support system" (hereinafter referred to as "FESMART") prepared under the responsibility of the Organization. The aim of this verification is to consider the accuracy of environmental data and to provide a verification opinion.

- Purpose and scope of verification**
With regard to GHG emissions information for the fiscal year 2019 (April 1, 2019 to March 31, 2020) reported to "FESMART", the verification was conducted.
 - Scope 1 and Scope 2 Greenhouse gas emissions
 - CO₂ emissions from energy consumption by business activities at the Organization's 43 sites
 - Greenhouse gas emissions from production processes at 34 domestic and overseas factories
 - Scope 3 Greenhouse gas emissions as defined by the Organization (Category 2, 3, 4 and 5)

The Organization revised a part of the data in "FESMART" that was used for the verification based on the verification results. The responsibility for preparing a calculation report and reporting GHG emissions is in the Organization and our responsibility is to express an opinion on GHG emissions stated in the calculation report by independent standpoint.

- Verification procedure**
JACO conducted verification in accordance with ISO 14064-3:2006, Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions. We conducted the following activities as part of limited assurance:
 - Hearing or inquiries to the Organization's officials who are responsible for identifying and calculating greenhouse gas emissions;
 - Evaluation of the information (data) used to determine the greenhouse gas emissions, the method of applying the calculation criteria, the method of measuring the data and the assumptions adopted by the company, and examination of description of the GHG report; and
 - Verification by sampling in order to confirm accuracy of GHG emissions.

- Conclusion**
Based on the procedures we have performed and evidence we have obtained, nothing has come to our attention that causes us to believe that the Organization's GHG assertions in accordance with the calculation registered by FESMART managed by the Organization:
 - are not materially accurate and are not a fair representation of the GHG emissions as per the scope of topic; and
 - are not prepared in accordance with the methodology implemented by the Organization.It is our opinion that the Organization has established appropriate systems for collection, aggregation and analysis of quantitative data within the scope of our verification.

Verified greenhouse gas emissions
Scope 1: 222 MtCO₂e, Scope 2: 235 MtCO₂e, Scope 3: 187 MtCO₂e
Details of Scope 3 emissions
Category 2: 138 MtCO₂e, Category 3: 31 MtCO₂e, Category 4: 12 MtCO₂e, Category 5: 6 MtCO₂e
The Organization and JACO verification team did not have any specific conflicts of interest and carried out the verification on an independent basis.