

Calculation Report for Energy Consumption and CO₂ Emissions (FY 2023)

Shimadzu Corporation

1 . Period covered

April 1, 2023-March 31, 2024

2 . Scope of the report

Head office, works, research laboratory, branch offices, and sales offices of Shimadzu Corporation and major group companies

* See the attachment for details of regarding the scope of the report.

3 . Calculation method

[Scope1・2]

CO₂ emissions are calculated based on Act on Promotion of Global Warming Countermeasures. For the calculation of electricity, Japanese domestic companies use the adjusted emission factors of each electric power company published by the Ministry of the Environment Government of Japan, and overseas companies use the IEA emission factor data (2017 values listed in IEA Emission factors 2019) .

[Scope3]

・ Category 3; Fuel- and Energy-Related Activities : Calculated by multiplying the quantities of fuel and electricity procured by the emission intensity for fuel procurement*^{1,2}.

・ Category 6; Business Travel : Calculated by multiplying the number of regular employees by the emission intensity per employee*¹.

・ Category 7; Employee Commuting : Calculated by multiplying the number of regular employees, categorized by work type and city classification, by the number of working days and the emission intensity*¹.

*1 Based on the Ministry of the Environment and the Ministry of Economy, Trade and Industry Emissions Intensity Database Ver.3.4 for calculating greenhouse gas emissions by organizations through the supply chain.

*2 Based on National Institute of Advanced Industrial Science and Technology (AIST)・Sustainable Management Promotion Organization (SuMPO), IDEA (Inventory Database for Environmental Analysis) Ver.2.3.

4. Calculation result

[Energy consumption and Scope1,2]

	Energy consumption (GJ)	Scope1 CO ₂ emissions (t)	Scope2 CO ₂ emissions (t)	Scope1+2 CO ₂ emissions (t)
Total of sites	☑ 955,895	☑ 2,624	☑ 7,785	☑ 10,409
Break-down	Shimadzu Corporation			
	<i>Head Office/ Sanjo Works</i>	391,333	971	0
	<i>Murasakino Works</i>	5,913	28	0
	<i>Atsugi Works</i>	11,271	8	0
	<i>Hadano Works</i>	27,549	3	0
	<i>Seta Works</i>	121,159	22	62
	<i>Technology Research Laboratory (Keihanna)</i>	41,327	26	0
	<i>Tonomachi Works</i>	19,216	0	0
	Shimadzu Techno- Research, Inc. (Head Office)	27,247	120	287
	Shimane Shimadzu Corporation (Head Office)	34,175	530	0
	Shimadzu Diagnostics Corporation (Yuki Works)	43,706	537	1,972
	Other sites of Shimadzu Group in Japan	32,835	14	905
	Group Companies in US	54,534	132	1,011
	Group Companies in Europe	33,926	189	0
	Group Companies in China	75,791	19	1,616
	Group Companies in Other Countries	35,912	24	1,934

[Scope3]

Scope 3	CO ₂ emissions(t)
Category 3; Fuel- and Energy-Related Activities	☑1,729
Category 6; Business Travel	☑1,848
Category 7; Employee Commuting	☑1,034

*3,595 t-CO₂ emissions are deduced using Renewable Energy Certificates(I-RECs).

*The data indicated with ☑ has been assured by a third party.

Since each item is rounded, it may not match the total value.

Scope 1: CO₂ emissions from gas, fuel oil A, kerosene, jet fuel, etc. used at business sites

Scope 2: CO₂ emissions from electricity purchased from others at business sites

Scope 3 Category 3: CO₂ emissions from upstream of fuel and electricity procured
Scope 3 Category 6: CO₂ emissions from employee business travel
Scope 3 Category 7: CO₂ emissions from employee commuting

[Attachment]

1) The scope of calculation for Energy consumption, Scope1,2 and Scope 3 Category 3 is as follows:

■ Shimadzu Corporation (including group companies at the same addresses)

- Head Office/Sanjo Works, Murasakino Works, Atsugi Works, Hadano Works, Oike Works*, Seta Works (including Kusatsu Branch Works), Technology Research Laboratory (Keihanna), Tonomachi Works
Offices, Branches and Sales Offices
(Tokyo Office, Kansai Office, Kyushu branch, Nagoya branch, Yokohama branch, Kitakanto branch, Kobe branch, Tsukuba branch, Hiroshima branch, Tohoku branch, Sapporo branch, Shikoku branch, Shizuoka branch, Okayama Sales Office, Koriyama Sales Office, Matsuyama Sales Office) *

■ Group Companies in Japan (excluding group companies based inside Shimadzu Corporation)

- Shimadzu Techno-Research, Inc. (Head Office, Tokyo Office*, Chubu Office*)
 - Shimane Shimadzu Corporation (Head Office)
 - Shimadzu Diagnostics Corporation (Head Office*, Yuki Works, Kuki Works*)
 - Shimadzu Access Corporation (Head Office, Tokyo Office, Osaka branch, Kyusyu branch) *
 - Shimadzu Device Corporation (Kalnew Iida Factory) *
 - Shimadzu Science West Corporation (Head Office, Osaka branch) *
 - Shimadzu Science East Corporation (Head Office, Tokyo Office) *
 - Shimadzu GLC Ltd. (Head Office) *
 - Shimadzu Rika Corporation (Head Office, Tokyo Office) *
 - Shimadzu Logistics Service Corporation (Kyoto South Office) *
 - Taiheikogyo Co., Ltd. (Head Office) *
- * The data is included in “Other sites of Shimadzu Group in Japan”.

■ Group Companies in China

- Shimadzu (China) Co., Ltd. (Beijing, Shanghai, Guangzhou, Shenyang, Sichuan, Nanjing, Urumqi, Xi'an, Chongqing, Kunming, Shenzhen, Wuhan, Henan)
- Beijing Shimadzu Medical Equipment Co., Ltd.
- Tianjin Shimadzu Hydraulic Equipment Co., Ltd.
- Shimadzu (Suzhou) Instruments Manufacturing, Co., Ltd.
- Ningbo Shimadzu Vacuum Technology Development Co., Ltd.

■ Group Companies in US

- Shimadzu Scientific Instruments, Inc.
- Shimadzu Aircraft Equipment USA
- Shimadzu U.S.A. Manufacturing, Inc.

■ Group Companies in Europe

- < U.K. > Kratos Group PLC.
- < Germany > Shimadzu Europa GmbH
- < France > ALSACHIM SAS

■ Group Companies in Other Countries

- < Singapore > Shimadzu (Asia Pacific) Pte Ltd.
- < Vietnam > Shimadzu Vietnam Co., Ltd.
- < Malaysia > Shimadzu Manufacturing Asia Sdn. Bhd.

- <Philippines> Shimadzu Philippines Manufacturing Inc.
- <Korea> Shimadzu Korea Vacuum Equipment Co., Ltd.

2) The scope of calculation for Scope 3 Category 6 includes Shimadzu Corporation and its 79 consolidated subsidiaries.

3) The scope of calculation for Scope 3 Category 7 is limited to Shimadzu Corporation.

Independent Practitioner's Assurance Report

March 31, 2025

Mr. Yasunori Yamamoto,
Representative Director, President & CEO,
Shimadzu Corporation.

Tomoharu Hase
Representative Director
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We have undertaken a limited assurance engagement of the energy consumption and CO₂ emissions information indicated with ☒ for the year ended March 31, 2024 (the "CO₂ Related Information") included in the "Calculation Report for Energy Consumption and CO₂ Emissions (FY 2023)" (the "Report") of Shimadzu Corporation (the "Company").

The Company's Responsibility

The Company is responsible for the preparation of the CO₂ Related Information in accordance with the calculation and reporting criteria adopted by the Company (indicated with "2.Scope of the report" and "3.Calculation method" of the Report). Greenhouse gas quantification is subject to inherent uncertainty for reasons such as incomplete scientific knowledge used to determine emissions factors and numerical data needed to combine emissions of different gases.

Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior. We apply International Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements*, and accordingly maintain a comprehensive system of quality management including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our Responsibility

Our responsibility is to express a limited assurance conclusion on the CO₂ Related Information based on the procedures we have performed and the evidence we have obtained. We conducted our limited assurance engagement in accordance with the International Standard on Assurance Engagements ("ISAE") 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, issued by the International Auditing and Assurance Standards Board ("IAASB"), ISAE 3410, *Assurance Engagements on Greenhouse Gas Statements*, issued by the IAASB and the *Practical Guideline for the Assurance of Sustainability Information*, issued by the Japanese Association of Assurance Organizations for Sustainability Information.

The procedures we performed were based on our professional judgment and included inquiries, observation of processes performed, inspection of documents, analytical procedures, evaluating the appropriateness of quantification methods and reporting policies, and agreeing or reconciling with underlying records. These procedures also included the following:

- Evaluating whether the Company's methods for estimates are appropriate and had been consistently applied. However, our procedures did not include testing the data on which the estimates are based or reperforming the estimates.
- Undertaking site visits to assess the completeness of the data, data collection methods, source data and relevant assumptions applicable to the sites.

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 we performed a reasonable assurance engagement.

Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the CO₂ Related Information is not prepared, in all material respects, in accordance with the calculation and reporting criteria adopted by the Company.

The above represents a translation, for convenience only, of the original Independent Practitioner's Assurance report issued in the Japanese language.