

INDEPENDENT ASSURANCE STATEMENT

To: Osaka Gas Co., Ltd.



Bureau Veritas Japan Co., Ltd. (Bureau Veritas) has been engaged by Osaka Gas Co., Ltd. (Osaka Gas) to provide limited assurance and to conduct an external review over sustainability information selected by Osaka Gas. This Assurance Statement applies to the related information included within the scope of work described below.

Selected information

The scope of our assurance work was limited to assurance over the following information included within the Daigas Group Integrated Report 2022 (the 'Report') or the Daigas Group Sustainability website (the 'Website') for the period of April 1, 2021 through March 31, 2022 (the 'Selected Information'):

Environmental data selected by Osaka Gas which are related to the following items

- Energy Consumption
- Atmospheric Emissions
- Water Withdrawal and Discharge
- Chemical Substances
- Waste
- Gas Sales by Volume
- Electricity Sales by Volume
- Amount of LNG handled
- FY2022 Results to Environmental Action Targets

Note: The reporting boundaries for each data are defined by Osaka Gas.

The scope of our review work was limited to review over the following information included within the Daigas Group Integrated Report 2022 (the 'Report') or the Daigas Group Sustainability website (the 'Website') for the period of April 1, 2021 through March 31, 2022 (the 'Selected Information'):

- The amount of contribution to CO₂ emission reduction by Daigas Group (including contribution to reductions at customer sites and overseas)

Note: The reporting boundaries and calculation methodologies are defined by Osaka Gas.

Reporting criteria

The Selected Information included within the Report needs to be read and understood together with the reporting criteria stated in the Report.

The Selected Information included within the Website needs to be read and understood together with the reporting criteria stated in the Website.

Limitations and Exclusions

Excluded from the scope of our work is any verification of information relating to:

- Activities outside the defined verification period;
- Any other information within the Report or the Website, which is not listed as the Selected



Information.

This limited assurance engagement relies on a risk based selected sample of sustainability data and the associated limitations that this entails. This independent statement should not be relied upon to detect all errors, omissions or misstatements that may exist.

Responsibilities

This preparation and presentation of the Selected Information in the Report or the Website are the sole responsibility of the management of Osaka Gas.

Bureau Veritas was not involved in the drafting of the Report, of the Website or of the Reporting Criteria. Our responsibilities were to:

- obtain limited assurance about whether the Selected Information has been prepared in accordance with the Reporting Criteria by conducting our assurance work;
- assess the reliability and accuracy of the Selected Information by conducting our review work;
- form an independent conclusion based on the procedures performed and evidence obtained; and
- report our conclusions to the Directors of Osaka Gas.

Assessment Standard

We performed our assurance work in accordance with International Standard on Assurance Engagements (ISAE) 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information (Effective for assurance reports dated on or after December 15, 2015) issued by the International Auditing and Assurance Standards Board and ISO14064-3 (2019): Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.

We performed our review work by using Bureau Veritas' standard procedures for external review of sustainability information.

Summary of work performed

As part of our independent verification, our work included:

1. Conducting interviews with relevant personnel of Osaka Gas;
2. Reviewing the data collection and consolidation processes used to compile Selected Information, including assessing assumptions made, and the data scope and reporting boundaries;
3. Reviewing documentary evidence provided by Osaka Gas;
4. Reviewing Osaka Gas systems for quantitative data aggregation and analysis;
5. Verification of sample of data back to source by carrying out four physical site visits, selected on a risk based bases at the following locations:
 - Osaka Gas Head Office
 - Osaka Gas Energy Technology Laboratories
 - Cold Air Products Co., Ltd.
 - Kinpai Co., Ltd.
6. Reperforming a selection of aggregation calculations of the Selected Information;
7. Comparing the Selected Information to the prior year amounts taking into consideration changes in business activities, acquisitions and disposals.



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.

Verified greenhouse gas emissions

We performed our verification work on greenhouse gas emissions data in accordance with the requirements of ISO14064-3(2019).

Verified data in greenhouse gas assertion made by Osaka Gas are as follows.

	Greenhouse gas emissions [kt-CO ₂ e]	Boundary
Scope 1	4,526	GHG emissions accounted and reported in line with the 'GHG Protocol Corporate Accounting and Reporting Standard' through business operations of Osaka Gas and its 61 consolidated subsidiaries
Scope 2	224 (location-based)	
	210 (market-based)	
	334 (*1)	GHG emissions through business operations of Osaka Gas and its 61 consolidated subsidiaries
Scope 3	21,925	Categories 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13 and 14 of Scope 3 GHG emissions accounted and reported in line with the 'GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard' within the boundaries defined by Osaka Gas for each category

(*1) This figure shows CO₂ emissions calculated using the average electricity emission factor of thermal power plants.

The breakdown of Scope 3 emissions are as follows.

Category	t-CO ₂ e	Category	t-CO ₂ e	Category	t-CO ₂ e
1	369,382	5	14,097	11	17,089,540
2	566,738	6	2,310	12	266
3	3,789,145	7	8,232	13	26,022
4	14,121	9	109	14	44,957

Conclusion

On the basis of our methodology and the activities described above:

- Nothing has come to our attention to indicate that the Selected Information has not been properly prepared, in all material respects, in accordance with the Reporting Criteria;
- It is our opinion that Osaka Gas has established appropriate systems for the collection, aggregation and analysis of quantitative data within the scope of our work.

Statement of Independence, Integrity and Competence

Bureau Veritas is an independent professional services company that specialises in quality, environmental, health, safety and social accountability with over 190 years history. Its assurance team has extensive experience in conducting verification over environmental, social, ethical and health and



safety information, systems and processes.

Bureau Veritas operates Quality Management System which complies with the requirements of globally recognized quality management standard, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Bureau Veritas has implemented and applies a Code of Ethics, which meets the requirements of the International Federation of Inspections Agencies (IFIA), across the business to ensure that its employees maintain integrity, objectivity, professional competence and due care, confidentiality, professional behavior and high ethical standards in their day-to-day business activities.

Bureau Veritas Japan Co., Ltd.

Yokohama, Japan

July 20, 2022

