Environmental Data 2025

★ Third-party assurance provided by KPMG AZSA Sustainability Co., Ltd.

Boundary: Scope of Data Collection

		Unit	FY2024	Remarks
Number of companies covered		Companies	21	• The scope of aggregate total covers, in principle, the Company and the following domestic consolidated subsidiaries: Toho Gas Network Co., Ltd., Toho Gas Life Solutions Co., Ltd., Toho Gas Communications Co., Ltd., Toho Gas Customer Service Co., Ltd., Mizushima Gas Co., Ltd., Toho Gas Techno Co., Ltd., Toho Liquefied Gas Co., Ltd., Toeki Kyokyu Center Co., Ltd., Waseda Gas Co., Ltd., Yamasa Sohgyou Co., Ltd., Sirius Solar Japan 63 GK, Toho Gas Real Estate Development Co., Ltd., Toho Gas Energy Engineering Co., Ltd., Toho Gas Information System Co., Ltd., Toho Service Co., Ltd., Toho LNG Shipping Co., Ltd., Toho Cryogenics Co., Ltd., Toho Gas Safety Life Co., Ltd., Gas Living Mie Co., Ltd., Yokkaichi Air Conditioning Engineering Co., Ltd. • Overseas consolidated subsidiaries are not included in the calculation as they have small environmental impact and it is difficult to acquire quantitative data from them (As of the end of March 2025)
Scope of coverage with respect to total CO_2 emissions (coverage rate)	Toho Gas	%	100	
	Consolidated subsidiaries (domestic)		100	
	Consolidated subsidiaries (overseas)		0	

1. Raw Materials Usage and Sales Amount of Key Products

			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
City gas raw materials*1	LNG feedstock	Total	Thousand t	2,834	2,827	2,664	2,647	2,562
		Toho Gas		2,791	2,783	2,617	2,595	2,512
		Consolidated subsidiaries		43	45	47	52	51
	LPG feedstock	Total		109	144	150	115	134
		Toho Gas		108	143	149	113	133
		Consolidated subsidiaries		0.9	0.9	1.0	1.3	1.3
Resources for LPG	LPG feedstock	Consolidated subsidiaries		462	486	475	465	474
City gas sales*1		Total	Million m^3	3,701	3,709	3,550	3,464	3,404
		Toho Gas		3,647	3,654	3,491	3,398	3,340
		Consolidated subsidiaries*2		54	56	59	66	64
LPG sales		Consolidated subsidiaries	Thousand t	462	486	475	465	474
Electricity sales		Toho Gas	Million kWh	1,602	2,126	2,369	2,579	2,815
Heat sales		Toho Gas	Thousand GJ	359	371	375	381	413

*1 Includes LNG sales
*2 Consolidated subsidiary city gas sales (46 MJ/Nm^3) conversion based on city gas calorific value (45 MJ/Nm^3)

2. Energy Consumption

			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Purchased electricity*1	Total		Thousand kWh	122,224	119,306	118,202	118,697	115,520 ★
	Toho Gas	Total		107,481	104,760	101,843	102,440	100,465
		City gas plants, etc.		73,779	70,392	69,714	69,063	67,307
		District heating and cooling		19,753	19,692	20,019	20,900	20,889
		Offices, etc.		14,372	15,420	12,595	12,565	12,381
	Consolidated subsidiaries			15,621	15,894	17,736	16,676	15,707
City gas*2	Total		Thousand m³	15,655	15,068	15,850	15,873	15,266 ★
	Toho Gas	Total		15,199	14,590	14,261	14,639	14,023
		City gas plants, etc.		1,839	1,796	1,814	2,348	2,224
		District heating and cooling		9,258	9,090	8,754	8,366	9,279
		Offices, etc.		4,102	3,704	3,692	3,925	2,520
	Consolidated subsidiaries			457	477	1,589	1,234	1,243
Vehicular fuel	Total		GJ	122,945	115,311	109,030	101,422	98,520 ★
	Toho Gas			21,443	20,003	9,616	6,135	925
	Consolidated subsidiaries			101,501	95,308	99,414	95,287	97,595
Other energy*1	Total			578,475	1,009,628	846,853	336,355	371,799 ★
	Toho Gas			545,136	984,189	829,658	322,094	357,290
	Consolidated subsidiaries			63,287	64,085	63,889	50,713	50,808
Amount of energy consumption – total*1	Total			1,845,901	2,232,501	2,094,660	1,510,903	1,507,315
	Toho Gas			1,637,455	2,037,893	1,847,637	1,292,634	1,290,442
	Consolidated subsidiaries			241,575	238,085	298,680	256,231	255,518

*1 Because portions corresponding to double counting from intra-Group exchanges are excluded, figures may not add up to totals.
*2 In accordance with the calculation methods outlined in the guidelines for filling out reports under the Act on Rationalization of Energy Use and Shift to Non-fossil Energy (Energy Saving Act), data for up to FY2022 is based on standard condition equivalent values (thousand Nm³), and data for FY2023 and beyond is based on standard environmental condition equivalent values (thousand m³ SATP).

3. Emissions into Atmosphere

Greenhouse gas emissions	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Scope 1 and 2	t-CO_2e	128,456	143,274	135,391	108,963	110,451
Scope 1, 2, and 3		11,291,165	11,416,178	10,939,972	10,193,018	10,611,068
Offsets through domestic and international certified emissions reductions		0	1,480	160	152	2,985
Emissions after offsets: Scope 1 and 2		128,456	141,794	135,231	108,811	107,466
Scope 1, 2, and 3		11,291,165	11,414,698	10,939,812	10,192,866	10,608,083

CO_2 emissions from energy source			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Scope 1 and 2 total*1	Total		t-CO_2	127,872	140,514	134,476	108,171	108,431 ★
	Toho Gas			111,400	125,844	116,795	91,331	91,257
		City gas plants, etc.		61,176	79,169	71,411	49,978	49,143
		District heating and cooling		32,772	30,148	31,070	27,851	31,207
		Offices, etc.		17,674	16,887	14,552	13,562	10,977
	Consolidated subsidiaries			18,456	16,901	20,240	18,650	19,139
Scope 1	Total			70,269	94,542	83,749	52,077	55,368 ★
	Toho Gas			61,103	84,259	72,590	42,535	45,337
		City gas plants, etc.		29,103	51,640	43,462	18,336	20,420
		District heating and cooling		21,201	22,798	20,047	16,196	19,590
		Offices, etc.		10,798	9,821	9,081	8,004	5,327
	Consolidated subsidiaries			9,166	10,284	11,160	9,542	10,031
Scope 2*1	Total			57,603	45,971	50,727	56,094	53,063 ★
	Toho Gas			50,297	41,586	44,206	48,796	45,920
		City gas plants, etc.		32,073	27,530	27,950	31,642	28,723
		District heating and cooling		11,570	7,350	11,023	11,656	11,618
		Offices, etc.		6,876	7,066	5,470	5,559	5,650
	Consolidated subsidiaries			9,290	6,618	9,080	9,108	9,108

Greenhouse gas emissions other than CO_2 emissions from energy sources		Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Toho Gas	Total	t-CO_2e	584	1,280	755	640	2,021
	CO_2 (non-energy source)	t-CO_2	0	0	0	0	1,420
	Methane (CH_4)*2	t-CO_2e	233	237	253	284	242
	N_2O		68	53	162	85	93
	Fluorocarbons (CFCs, HCFCs, HFCs)*3		283	974	340	272	265
	Perfluorocarbon (PFC)		0	0	0	0	0
	SF_6		0	16	0	0	0
	NF_3		0	0	0	0	0
	Other greenhouse gas		0	0	0	0	0

Scope 3 emissions in the city gas and LPG value chain*4	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Category 1, 3, and 4 Greenhouse gases (CO_2 equivalent) from procurement	Ten thousand t-CO_2e	160	161	153	151	148 ★
Category 11 CO_2 emissions from customer use		950	959	920	851	895 ★

Scope 3 emissions (details of emissions by category)*4		Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Scope 3	Total	t-CO_2e	11,162,709	11,272,904	10,804,581	10,084,055	10,500,616
	Category 1		266,910	281,525	273,355	259,354	265,415
	Category 2		55,805	56,002	52,946	52,428	51,007
	Category 3		1,047,721	1,045,024	984,638	980,293	954,536
	Category 4		281,187	286,038	272,461	266,596	262,277
	Category 5		2,426	3,637	2,394	2,118	2,347
	Category 6		809	803	790	785	790
	Category 7		1,922	1,908	1,877	1,865	1,875
	Category 8*5		0	0	0	0	0
	Category 9		10,896	11,467	11,140	10,745	10,893
	Category 10*5		0	0	0	0	0
	Category 11		9,495,034	9,586,501	9,204,979	8,509,872	8,951,477
	Category 12*5		0	0	0	0	0
	Category 13*5		0	0	0	0	0
	Category 14*5		0	0	0	0	0
	Category 15*5		0	0	0	0	0
	Other (upstream)*5		0	0	0	0	0
	Other (downstream)*5		0	0	0	0	0

Other environmentally hazardous emissions		Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Toho Gas	NOx*6	t	40	44	35	21	20
	SOx*7		0	0	0	0	0
	VOC*8		0	0	0	2	0

*1 Because portions corresponding to double counting from intra-Group exchanges are excluded, figures may not add up to totals.
*2 Calculations cover the amounts of emissions in the manufacture of city gas.
*3 Calculated the gases regulated by the Act on Rational Use and Appropriate Management of Fluorocarbons
*4 Sources of CO_2 emission factors used are as follows:
- Emission factors for production, facilities, liquefaction, and overseas transportation of LNG
  Japan Gas Association website (https://www.gas.or.jp/tokucho/)
  The global warming potential of methane was revised from 25 to 28 in April 2024, but Scope 3 emissions for up to FY2023 are calculated using the global warming potential prior to revision.
- Emission factors for production, facilities, and overseas transportation of LPG
  "Future Forecast for Life Cycle Greenhouse Gas Emissions of LNG and City Gas 13A" from the Journal of the 26th Annual Meeting of the Japan Society of Energy and Resources (Vol. 28-2, published in March 2007)
- Emission factors for domestic transportation of LPG
  "Life-cycle Inventory Analysis on Fossil-derived Energy Sources in Japan" (The 353rd Conference of the Japan Society of Energy and Resources, held in May 1999)
- Other key emission factors
  "Database of Emissions Unit Values for Calculation of Greenhouse Gas Emissions, Etc., by Organizations Throughout the Supply Chain (Ver. 3.5)" by the Ministry of the Environment (March 2025)

*5 No figures are disclosed for the following categories, which are unrelated to our business activities.
- Category 8: Emission amounts involving leased property and other leased assets are fundamentally covered by Scope 1 and 2, and so this is not applicable.
- Category 10: The main product Toho Gas sells is energy, and no processing accompanied by CO_2 emissions is performed by other companies, and so this is not applicable.
- Category 12: The main product Toho Gas sells is energy, and no waste, residue, or the like is generated through use, so this category is not applicable.
- Category 13: The majority of emissions accompanying the use of tenant properties owned by the Toho Gas Group and Toho Gas-owned properties at customer locations are covered by Scope 1 and 2 or Scope 3 Category 11, and so this is not applicable.
- Category 14: Toho Gas has not implemented a franchise system, and so there are no CO_2 emissions for which this category is applicable.
- Category 15: This category applies to operators of investment businesses and operators that offer financial services, being chiefly private financial institutions (commercial banks, etc.), and is not applicable.
- Other (upstream): Toho Gas upstream Scope 3 emissions relate to the categories of purchased goods, capital goods, fuel procurement, and transportation (upstream), and there are no other upstream emissions.
- Other (downstream): Toho Gas downstream Scope 3 emissions relate to the categories of transportation (downstream) and product use, and there are no other downstream emissions.

*6 Covers emissions from facilities subject to Air Pollution Control Act regulations on soot and smoke
*7 Covers emissions from the combustion of city gas
*8 Covers painting activities at city gas plants and substances with a high environmental impact (xylene, toluene, ethylbenzene)

4. Water

(1) Water Withdrawal (Water Consumption)

			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Water withdrawal (water consumption)		Total	Thousand m³	264,028	252,087	226,410	228,834	221,476
		Tap water, industrial water, and well water		1,251	1,295	1,276	1,196	1,209 ★
		Seawater		262,777	250,792	225,134	227,638	220,268 ★
	Toho Gas	Total		263,843	251,897	226,248	228,706	221,359
		Tap water (Municipal potable water)		363	363	374	392	407
		Industrial water		700	741	738	673	683
		Well water		3	2	2	2	2
		Seawater		262,777	250,792	225,134	227,638	220,268
		Surface water from rivers, ponds, and lakes		0	0	0	0	0
		Quarry water		0	0	0	0	0
		Rainwater		0	0	0	0	0
		External wastewater		0	0	0	0	0
	Consolidated subsidiaries	Total		184	189	162	128	117
		Tap water (Municipal potable water)		117	124	122	127	116
		Industrial water		2	2	2	1	1
		Well water		65	63	39	0	0
		Seawater		0	0	0	0	0
		Surface water from rivers, ponds, and lakes		0	0	0	0	0
		Quarry water		0	0	0	0	0
		Rainwater		0	0	0	0	0
		External wastewater		0	0	0	0	0

(2) Discharged, etc., into Water Systems

			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Waste water discharge		Total	Thousand m³	263,869	251,934	226,248	228,663	221,293
		Sewer*		332	325	316	285	286 ★
		River		112	116	108	112	104 ★
		Ocean		263,425	251,493	225,824	228,266	220,903 ★
	Toho Gas	Total		263,685	251,745	226,086	228,535	221,176
		Sewer*		173	159	172	174	184
		River		88	94	91	97	91
		Ocean		263,423	251,491	225,823	228,264	220,901
		Subsurface and well water		0	0	0	0	0
		External water treatment amounts		0	0	0	0	0
	Consolidated subsidiaries	Total		184	189	162	128	117
		Sewer*		159	166	144	111	101
		River		24	22	17	15	13
		Ocean		2	1	2	2	2
		Subsurface and well water		0	0	0	0	0
		External water treatment amounts		0	0	0	0	0
Beneficial usage (amount of evaporation)		Total		158	153	162	172	184
	Toho Gas	Beneficial usage (amount of evaporation)		158	153	162	172	184
	Consolidated subsidiaries	Beneficial usage (amount of evaporation)		0	0	0	0	0
COD load	Toho Gas		t	0.0	0.0	0.0	0.0	0.0

* The amount of water discharged to sewers is calculated by deducting sewer reduction and exemption allowance amounts (water evaporation at facilities) from the total amount of water discharged.

5. Waste

			Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Industrial waste	Waste generated	Total	t	43,272	40,642	38,593	34,078	39,118 ★
		(Included in totals: Amount of hazardous waste materials generated*)		(9)	(8)	(2)	(126)	(59)
		Toho Gas		1,271	1,127	580	818	566
		Consolidated subsidiaries		42,001	39,515	38,013	33,260	38,552
	Waste reduced	Total		2,782	3,379	2,426	2,506	2,657 ★
		Toho Gas		189	195	110	193	79
		Consolidated subsidiaries		2,593	3,184	2,316	2,313	2,578
	Waste recycled	Total		39,532	35,857	34,700	30,481	35,207 ★
		Toho Gas		1,028	896	456	604	472
		Consolidated subsidiaries		38,504	34,961	34,244	29,877	34,735
	Weight reduction and recycling rate	Total	%	98	97	96	97	97 ★
		Toho Gas		96	97	98	97	97
		Consolidated subsidiaries		98	97	96	97	97
	Final disposal waste	Total	t	958	1,406	1,467	1,091	1,254 ★
		Toho Gas		54	36	14	21	15
		Consolidated subsidiaries		904	1,370	1,453	1,070	1,239

* Specially controlled industrial waste regulated by the Cabinet Order for the Enforcement of the Waste Management and Public Cleansing Act

Calculation Standards for Main Environmental Data

GHG emissions quantification is subject to uncertainty when measuring activity data, determining emission factors, and considering scientific uncertainty inherent in the Global Warming Potentials.

Business Activities of the Toho Gas Group

Item		Calculation method
Atmosphere and water quality	CO_2	• CO_2 emission factors are as shown in the table below. Formula: CO_2 emissions [t-CO_2] = (Purchased electricity, fuel consumption, purchased heat × CO_2 emission factor) [t-CO_2]
	Methane	• This applies to emissions from manufacturing facilities at city gas plants. Formula: Methane emissions [t-CO_2e] = Gas vented volume per respective facility (representative value) [m^3/vent] × Number of venting × Methane concentration [%] × 1/100 [1%] × 16 [g]/22.4 [L] × 1,000 [L/m^3] × 1/1,000,000 [t/g] × Global warming potential [t-CO_2e/t] Note: The global warming potential (GWP) is referenced from the Act on Promotion of Global Warming Countermeasures (Global Warming Act).
	Fluorocarbon	• We calculated leaked gases from equipment regulated by the Fluorocarbon Emission Control Act. Formula: Leaked fluorocarbons [t-CO_2e] = (Fluorocarbon filled [t] – Recovered fluorocarbon [t]) × Global warming potential [t-CO_2e/t] Note: The global warming potential (GWP) is referenced from the Global Warming Act.
	N_2O	• The scope of coverage is usage of fuel in facilities and machinery for fuel combustion. Formula: N_2O emissions (t-CO_2e) = Fuel usage (thousand Nm^3) × Unit heat value (GJ/thousand Nm^3) × Emission factor per unit of equipment (t-N_2O/GJ) × Global warming potential (t-CO_2e/t) Note: The global warming potential (GWP) is referenced from the Global Warming Act.
	SF_6	• We calculated amounts of leakage from SF_6-filled transformers and other such equipment. Formula: Leakage amount (t-CO_2e) = (SF_6 filled [t] – SF_6 recovered [t]) × Global warming potential (t-CO_2e/t) Note: The global warming potential (GWP) is referenced from the Global Warming Act.
	Water withdrawal (water consumption)	• Total amount of tap water, industrial water, and well water withdrawn • Seawater withdrawn: Total amount of withdrawal by gasification seawater pumps in city gas plants Formula: Seawater withdrawn [thousand m^3] = Pump rated capacity [thousand m^3/h] × Operation time [h]
	Waste water discharge	• Water discharge is calculated by subtracting the amount of sewer reduction and exemption from withdrawn water. Formula: Water discharge = Water withdrawal – Sewer reduction and exemption
	Beneficial usage (amount of evaporation)	• As the beneficial usage, the scalable loss of water (the amount of sewer reduction and exemption) from regional Energy Centers is used. Basis: Notification of sewer reduction and exemption amount
Waste	Waste generated	• Amount generated based on manifests or amount measured by waste processor
	Waste reduced	• Reduction of water and so on as a result of incineration, dehydration, and other processes at intermediate processing facilities Reported values from industrial waste processors are used as reduction rates for sludge of Toho Gas and rubble (asphalt, concrete, and the like from gas pipeline construction) of Toho Gas Network, whereas figures from the Japan Environmental Management Association for Industry's "Recycle Data Book 2024" are used as reduction rates of other materials. Formula: Waste reduced = Waste generated × Reduction rate
	Waste recycled	• Waste recycled for reuse as raw materials through sorting and so on at intermediate processing facilities Reported values from industrial waste processors are used as recycling rates for sludge of Toho Gas and rubble (asphalt, concrete, and the like from gas pipeline construction) of Toho Gas Network, whereas figures from the Japan Environmental Management Association for Industry's "Recycle Data Book 2024" are used as recycling rates of other materials. Formula: Waste recycled = Waste generated × Recycling rate
	Weight reduction and recycling rate	• The ratio of the reduced or the recycled at intermediate processing facilities to the generated Formula: Weight reduction and recycling rate = (Waste reduced + Waste recycled)/Waste generated
	Final disposal waste	Formula: Final disposal waste = Waste generated – (Waste reduced + Waste recycled)

Emissions from Procurement and Customer Use

Item			Calculation method
Atmosphere	Greenhouse gases (CO_2 equivalent)	Procurement	Formula: Greenhouse gas emissions (CO_2 equivalent) = Raw materials usage of LNG (including sales in liquid) and LPG × Greenhouse gas emission factor* * Source: (LNG) Japan Gas Association website The global warming potential of methane was revised from 25 to 28 in April 2024, but Scope 3 emissions for up to FY2023 are calculated using the global warming potential prior to revision. (LPG) Calculated based on "Future Forecast for Life Cycle Greenhouse Gas Emissions of LNG and City Gas 13A" from the Journal of the 26th Annual Meeting of the Japan Society of Energy and Resources (Vol. 28-2, published in March 2007) (gross calorific value basis)
	CO_2 emissions	Customer use	CO_2 emission factors are as shown in the table below. Formula: CO_2 emissions = City gas sales & LNG sales & LPG sales × CO_2 emission factors However, the emission factors for biogas and synthetic methane are 0 t-CO_2/1,000 m^3.

CO_2 Emissions Factors

		Unit	FY2020	FY2021	FY2022	FY2023	FY2024	Remarks
Electricity		t-CO_2/thousand kWh	0.426	0.379	0.388	0.459	0.421	• Figures by electric power company released pursuant to ministerial ordinance under the Global Warming Act • In this table, Chubu Electric Power Miraiz Co., Inc. (formerly, Chubu Electric Power Co., Inc.) is listed as an example. • CO_2 emissions are calculated using "adjusted emission factor" until FY2023, and "base emission factor (non-fossil power adjusted)" from FY2024. "Adjusted emission factor" are used to calculate CO_2 emissions. • "Base emission factor" from FY2021 is used to calculate self-consignment portion of CO_2 emissions of Toho Gas electricity, and from FY2024, an unadjusted emission factor is used.
City gas		t-CO_2/thousand Nm^3	2.29	2.29	2.29	—	—	• Calorific value calculated by Toho Gas's city gas (13A) representative composition (0°C, 1 atmosphere)
		t-CO_2/thousand m^3	—	—	—	2.05	2.09	• Factors (residuals) by lineup of Toho Gas released pursuant to ministerial ordinance under the Global Warming Act
Other fuels	LPG	t-CO_2/t	3.00	3.00	3.00	2.99	2.99	Source: • Emission factors pursuant to calculation ordinance under the Global Warming Act
	LNG	t-CO_2/t	2.70	2.70	2.70	2.79	2.79	
	Natural gas	t-CO_2/thousand Nm^3	2.22	2.22	2.22	—	—	
		t-CO_2/thousand m^3 SATP	—	—	—	1.96	1.96	
	Diesel oil	t-CO_2/thousand L	2.58	2.58	2.58	2.62	2.62	
	Gasoline	t-CO_2/thousand L	2.32	2.32	2.32	2.29	2.29	
Purchased heat	Steam (excluding industrial steam), hot water, and cold water	t-CO_2/GJ	0.0570	0.0570	0.0570	0.0532	0.0532	

For reference: Appropriate Evaluations of Reductions of CO_2 Due to Reduced Use of Electricity
The amounts of CO_2 that can be reduced by reducing the amount of electricity consumption must be evaluated depending on the power sources (marginal power sources) affected by reduction approaches.
For more information, please refer to the Japan Gas Association website (in Japanese): https://www.gas.or.jp/kankyo/taisaku/denki/

Unit Calorific Values

		Unit	FY2020	FY2021	FY2022	FY2023	FY2024	Remarks
City gas		GJ/thousand Nm^3	45.0	45.0	45.0	45.0	45.0	Toho Gas's city gas calorific value (0°C, 1 atmosphere)
Other fuels	LPG	GJ/t	50.8	50.8	50.8	50.1	50.1	Source: Calorific value in the enforcement regulations of the Act on Rationalization of Energy Use and Shift to Non-fossil Energy (Energy Saving Act)
	LNG	GJ/t	54.6	54.6	54.6	54.7	54.7	
	Natural gas	GJ/thousand Nm^3	43.5	43.5	43.5	—	—	
		GJ/thousand m^3 SATP	—	—	—	38.4	38.4	
	Diesel oil	GJ/thousand L	37.7	37.7	37.7	38.0	38.0	
	Gasoline	GJ/thousand L	34.6	34.6	34.6	33.4	33.4	

Notes: 1. CO_2 emissions at city gas plants, etc., include the portion for the electricity business. 2. Figures in table may not add up due to rounding.

6. Responses to Water Risks

(1) Evaluation of Water Stress

The Toho Gas Group uses water resources for various purposes, such as gasification of LNG, and is aware of the importance of the effective utilization of water. Through evaluations using Aqueduct, which is issued by the World Resources Institute (WRI), we have confirmed that the areas where the Group's places of business are located all have low water stress.

(2) Compliance with Regulation Criteria

We comply appropriately with regulations and agreements on water and have experienced no accidents having major environmental impact or any legal violations. The seawater is used as a heat source for gasification of LNG at city gas plants; we design manufacturing facilities to ensure the temperature difference between water intake and water discharge falls within a certain range, with the aim of mitigating impacts on ecosystems.

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Number of incidents of non-compliance with water quality/quantity permits, standards, and regulations	Times	0	0	0	0	0

(3) Disclosure of Water Consumption and Discharge Amounts

We assess the amount of water used generally in the form of municipal potable water in offices, the amount of industrial water, and the amount of well water, and work to conserve water used. For discharged water, we assess the amount of water discharged at discrete discharge sites and manage the quality of water discharged in accordance with laws and regulations concerning discharge as well as ordinances of local governments. We make no use of collected rainwater or water collected from quarries. Seawater is used as a heat source for gasification of LNG, but water extracted from seawater (fresh water) is not used. There is no discharged water processed off-site at locations other than our own places of business (other than water discharged to sewers). Data on amounts of water withdrawal and distributor for the past five years is available under ESG Data (in this PDF).

7. Penalties and Fines Related to Environmental Legislation

There were no administrative dispositions due to violation of laws or regulations related to the environment.

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Fines related to environmental legislation	Yen	0	0	0	0	0

8. Medium- to Long-Term Targets for CO_2 Emissions Reduction, Etc.

(1) Medium-Term Target

The Toho Gas Group established environmental action goals for FY2022 to FY2025 based on the Toho Gas Group Vision, the Toho Gas Group Medium-Term Management Plan, and other business objectives, and is promoting initiatives to contribute to reducing CO_2 emissions in society and reducing CO_2 emissions intensity in our business activities.

Goal item	Goal value	Target Scope and Category	Ratio of total amount in Scope or Category and target emissions	Set year	Base year	Target year	Emissions in base year
Amount of contribution to CO_2 reduction	1 million t	Scope 1 and 2, Scope 3 Category 1, 2, 3, 4, 5, 6, 7, 9, 11	100%	2021	2020	2025	11.29 million t-CO_2
Reduce CO_2 emissions per unit of business activity	CO_2 emission factor: –2%/year	Scope 1 and 2	99%	2021	2021	2025	141 thousand t-CO_2

(2) Long-Term Target

The Group has established an FY2030 target for the amount of contribution to CO_2 reduction and announced the Toho Gas Group 2050 Carbon Neutrality Initiative in July 2021.

Goal item	Goal value	Target Scope and Category	Ratio of total amount in Scope or Category and target emissions	Set year	Base year	Target year	Emissions in base year
Amount of contribution to CO_2 reduction	3 million t	Scope 1 and 2, Scope 3 Category 1, 2, 3, 4, 5, 6, 7, 9, 11	100%	2021	2020	2030	11.29 million t-CO_2

Third-Party Assurance of Environmental Data

To enhance the reliability of environmental data, Toho Gas Group has obtained third-party assurance from KPMG AZSA Sustainability Co., Ltd., with regard to the FY2024 data disclosed in this publication.

Independent third-party assurance certificate

Independent Practitioner's Limited Assurance Report

To the Representative Director, President of TOHO GAS CO., LTD.

Conclusion

We have performed a limited assurance engagement on whether selected environmental performance indicators (the "subject matter information" or the "SMI") presented in TOHO GAS CO., LTD.'s (the "Company") Sustainability Factbook 2025 (the "Report") for the year ended March 31, 2025 have been prepared in accordance with the criteria (the "Criteria"), which are established by the Company and are explained in Calculation Standards for Main Environmental Data of the Report. The SMI subject to the assurance engagement is indicated in the Report with the symbol "★".

Based on the procedures performed and evidence obtained, nothing has come to our attention to cause us to believe that the Company's SMI for the year ended March 31, 2025 is not prepared, in all material respects, in accordance with the Criteria.

Basis for Conclusion

We conducted our engagement in accordance with International Standard on Assurance Engagements (ISAE) 3000 (Revised), *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information*, and International Standard on Assurance Engagements (ISAE) 3410, *Assurance Engagements on Greenhouse Gas Statements*, issued by the International Auditing and Assurance Standards Board (IAASB). Our responsibilities under those standards are further described in the "Our responsibilities" section of our report.

We have complied with the independence and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA).

Our firm applies International Standard on Quality Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements*, issued by the IAASB. This standard requires the firm to design, implement and operate a system of quality management, including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

Other information

Our conclusion on the SMI does not extend to any other information that accompanies or contains the SMI (hereafter referred to as "other information"). We have read the other information but have not performed any procedures with respect to the other information.

Responsibilities for the SMI

Management of the Company are responsible for:

- designing, implementing and maintaining internal controls relevant to the preparation of the SMI that is free from material misstatement, whether due to fraud or error;
- selecting or developing suitable criteria for preparing the SMI and appropriately referring to or describing the criteria used; and
- preparing the SMI in accordance with the Criteria.

Inherent limitations in preparing the SMI

As described in Calculation Standards for Main Environmental Data of the Report, GHG emissions quantification is subject to uncertainty when measuring activity data, determining emission factors, and considering scientific uncertainty inherent in the Global Warming Potentials. Hence, the selection by management of a different but acceptable measurement method, activity data, emission factors, and relevant assumptions or parameters could have resulted in materially different amounts being reported.

Our responsibilities

We are responsible for:

- planning and performing the engagement to obtain limited assurance about whether the SMI is free from material misstatement, whether due to fraud or error;
- forming an independent conclusion, based on the procedures we have performed and the evidence we have obtained; and
- reporting our conclusion to the Company's management.

We exercised professional judgment and maintained professional skepticism throughout the engagement. We designed and performed our procedures to obtain evidence about the SMI that is sufficient and appropriate to provide a basis for our conclusion. Our procedures selected depended on our understanding of the SMI and other engagement circumstances, and our consideration of areas where material misstatements are likely to arise. In carrying out our engagement, the procedures we performed primarily consisted of:

- assessing the suitability of the criteria applied to prepare the SMI;
- conducting interviews with the relevant personnel of the Company to obtain an understanding of the key processes, relevant systems and controls in place over the preparation of the SMI;
- performing analytical procedures including trend analysis;
- identifying and assessing the risks of material misstatements;
- performing a site visit at one of the Company's sites which was determined through our risk assessment procedures;
- performing, on a sample basis, recalculation of amounts presented as part of the SMI;
- performing other evidence gathering procedures for selected samples; and
- evaluating whether the SMI was presented in accordance with the Criteria.

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.

/s/ Yoshimitsu Nagasaka

Yoshimitsu Nagasaka, Engagement Partner

KPMG AZSA Sustainability Co., Ltd.

Tokyo Office, Japan

September 26, 2025

Notes to the Reader of Independent Assurance Report:

This is a copy of the Independent Assurance Report and the original copies are kept separately by the Company and KPMG AZSA Sustainability Co., Ltd.