

Non-Financial Data

Boundary of Disclosure

The Data Book covers the NTT Group in its entirety. The scope of reporting for some sections are as follows.

[A] Main six companies: Nippon Telegraph, NTT East, NTT West, NTT DOCOMO (including NTT Communications), NTT DATA Group (including NTT DATA and NTT DATA Inc.), NTT Urban Solutions (including NTT Urban Development and NTT FACILITIES)

[A'] Main seven companies: Nippon Telegraph, NTT East, NTT West, NTT DOCOMO (including NTT Communications and NTT COMWARE), NTT DATA Group (including NTT DATA and NTT DATA Inc.), NTT Urban Solutions (including NTT Urban Development and NTT FACILITIES), NTT Anode Energy Corporation

[A''] Main five companies: Nippon Telegraph, NTT East, NTT West, NTT DOCOMO (including NTT Communications), NTT DATA Group (including NTT DATA and NTT DATA Inc.)

[B] Domestic Group companies: 337

[C] Domestic and overseas Group companies: 967

[D] Main six companies + operating companies

<Operating companies: 10> NTT East Group, 6 companies
(NTT EAST-HOKKAIDO, NTT EAST-TOHOKU, NTT EAST-KANSHINETSU, NTT EAST-MINAMIKANTO, NTT EAST SERVICE, NTT-ME)
NTT West Group, 4 companies
(NTT MARKETING ACT, NTT BUSINESS SOLUTIONS, NTT FIELDTECHNO, NTT BUSINESS ASSOCIE WEST)

[E] Four telecommunications business companies: NTT East, NTT West, NTT Communications, and NTT DOCOMO

[F] Nippon Telegraph (Non-consolidated)

Note: Unless specifically stated otherwise, the scope of environmental performance statistics refers to domestic companies.

Independent Assurance Statement


■ Third-party assurance of non-financial data disclosed in Non-Financial Data documents has been received from Sustainability Accounting Co., Ltd. to increase its trustworthiness.

FY 2023 data that received third-party assurance for the following information is marked with a ©.

- Greenhouse gas emissions: scope 1, scope 2 (location basis), scope 2 (market basis), scope 3
- Disposal waste
- Water withdrawal
- B2B2X revenues

■ Link to third-party assurance report:

https://group.ntt/en/sustainability/data/assurance/pdf/independent_assurance_statement_susa_2024.pdf



Sustainability Accounting Co., Ltd.

Independent Assurance Statement

September 30, 2024

Mr. Akira Shimada
President and Chief Executive Officer, Representative Member of the Board
NIPPON TELEGRAPH AND TELEPHONE CORPORATION

1. Purpose
We, Sustainability Accounting Co., Ltd., have been engaged by NIPPON TELEGRAPH AND TELEPHONE CORPORATION ("the Company") to provide limited assurance on the Company's Performance Indicators listed in the appendix for the fiscal year 2023 (April 1, 2023 to March 31, 2024). The purpose of this process is to express our conclusion on whether the Performance Indicators were calculated in accordance with the Company's standards. The Company's management is responsible for calculating the Performance Indicators. Our responsibility is to independently carry out a limited assurance engagement and to express our assurance conclusion.


2. Procedures Performed
We conducted our assurance engagement in accordance with International Standard on Assurance Engagement 3000 (ISAE 3000) and International Standard on Assurance Engagement 3410 (ISAE 3410). The key procedures we carried out included:

- Interviewing the Company's responsible personnel to understand the Company's standards
- Reviewing the Company's standards
- Performing cross-checks on a sample basis and performing a recalculation to determine whether the Performance Indicators were calculated in accordance with the Company's standards.

3. Conclusion
Based on the procedures performed, nothing has come to our attention that causes us to believe that the Performance Indicators have not been calculated in all material respects in accordance with the Company's standards.

We have no conflict of interest relationships with the Company.

Takashi Fukushima
Representative Director
Sustainability Accounting Co., Ltd.



Sustainability Accounting Co., Ltd.

(Appendix)

Lists of Performance Indicators

Indicators	Results of the fiscal year 2023
Greenhouse gas emissions ^{※1}	Scope1: 15.0 ten thousand t-CO ₂ e Scope2 (location-based): 370 ten thousand t-CO ₂ Scope2 (market-based): 217 ten thousand t-CO ₂ Scope3 (Categories 1,2,3,4,5,6,7,11,12,13,14): 1,871 ten thousand t-CO ₂ e
Total Waste ^{※2}	49.4 ten thousand tons
Water Withdrawal (tap water) ^{※2}	432 ten thousand m ³
Amount of B2B2X Revenues	¥1,058.1 billion

Boundary of each Performance Indicators
※1 The Company and its consolidated subsidiaries
※2 The Company and its domestic consolidated subsidiaries

Independent Assurance Statement

■ Third-party assurance of non-financial data disclosed in Non-Financial Data documents has been received from KPMG AZSA Sustainability Co., Ltd. to increase its trustworthiness.

FY 2023 data that received third-party assurance for the following information is marked with ★.

- Employee engagement rate
- New female manager promotion rate
- Ratio of men who have taken childcare leave
- Wage gap between male and female
- Ratio of women employees in managerial positions
- Direct dialogue rate with key suppliers
- Major accidents in telecommunications services
- Suspension of telecommunications services due to cyber attacks from the outside

■ Link to third-party assurance report:

https://group.ntt/en/sustainability/data/assurance/pdf/independent_assurance_statement_kpmg_2024.pdf

Independent Assurance Report

To the President and Chief Executive Officer, Representative Member of the Board of Nippon Telegraph and Telephone Corporation

We were engaged by Nippon Telegraph and Telephone Corporation (the "Company") to undertake a limited assurance engagement of the social performance indicators marked with ★ (the "Indicators") for the period from April 1, 2023 to March 31, 2024 included in its Non-Financial Data (the "Report") for the fiscal year ended March 31, 2024.

The Company's Responsibility

The Company is responsible for the preparation of the Indicators in accordance with its own reporting criteria (the "Company's reporting criteria"), as described in the Report.

Our Responsibility

Our responsibility is to express a limited assurance conclusion on the Indicators based on the procedures we have performed. We conducted our 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. The limited assurance engagement consisted of making inquiries, primarily of persons responsible for the preparation of information presented in the Report, and applying analytical and other procedures, and the procedures performed vary in nature from, and are less in extent than for, a reasonable assurance engagement. The level of assurance provided is thus not as high as that provided by a reasonable assurance engagement. Our assurance procedures included:

- Interviewing the Company's responsible personnel to obtain an understanding of its policy for preparing the Report and reviewing the Company's reporting criteria.
- Inquiring about the design of the systems and methods used to collect and process the Indicators.
- Performing analytical procedures on the Indicators.
- Examining, on a test basis, evidence supporting the generation, aggregation and reporting of the Indicators in conformity with the Company's reporting criteria, and recalculating the Indicators.
- Evaluating the overall presentation of the Indicators.

Conclusion

Based on the procedures performed, as described above, nothing has come to our attention that causes us to believe that the Indicators in the Report are not prepared, in all material respects, in accordance with the Company's reporting criteria as described in the Report.

Our Independence and Quality Management

We have complied with the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which includes independence and other requirements founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior. In accordance with International Standard on Quality Management 1, we 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.

/s/ Takeru Yamada
Takeru Yamada, Partner
KPMG AZSA Sustainability Co., Ltd.
Tokyo, Japan
September 30, 2024

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.

Number of Board Members and Audit & Supervisory Board Members

As of March 31, 2024

		Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Number of Board Members		F	People	15	8	8	10	10
Inside	Male			10	4	4	4	4
	Female			1	0	0	1	1
	Total			11	4	4	5	5
Outside independent	Male			3	3	3	3	3
	Female			1	1	1	2	2
	Total			4	4	4	5	5
Ratio of female Board Members		F	%	13.3	12.5	12.5	30.0	30.0
Number of Audit & Supervisory Board Members		F	People	5	5	5	6	5
Inside	Male			1	1	1	1	1
	Female			1	1	1	1	1
	Total			2	2	2	2	2
Outside independent	Male			2	2	2	3	2
	Female			1	1	1	1	1
	Total			3	3	3	4	3
Ratio of female Audit & Supervisory Board Members		F	%	40	40	40	33.3	40

Compensation of Board of Directors, Audit & Supervisory Board, Outside independent Audit & Supervisory Board Members, Members of the Board and Audit & Supervisory Board Members

As of March 31, 2024

		Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Board of Directors	Number of meetings	F	Times	11	13	15	14	12
	Attendance		%	100	99.3	99.0	99.1	100
	Outside independent board member attendance			100	100	98.3	98.5	100
Audit & Supervisory Board	Number of meetings	F	Times	23	20	20	26	25
	Attendance		%	98.6	100	100	98.6	100
	Outside independent Audit & Supervisory Board member attendance			97.6	100	100	97.9	100
Appointment and Compensation Committee*1		F	Times	5	5	6	—	—
Nomination Committee*1				—	—	2	5	6
Compensation Committee*1				—	—	1	1	1
Total compensation of members of the board and Audit & Supervisory Board members *2~3	Members of the board	F	Million yen	545	387	377	445	449
	Audit & Supervisory Board members			74	74	86	90	90
	Board and Outside Audit			97	105	121	173	176
	Total			719	566	584	708	714
Compensation of NTT's Independent auditors	Compensation for audit services	B	Million yen	5,106	4,891	5,053	5,704	6,452
	Compensation for non-audit services			267	344	392	398	424
	Total			5,373	5,235	5,445	6,102	6,876
The ratio of the compensation per director to the compensation per employee		F	—	4.3:1	4.7:1	5.9:1	5.5:1	5:3:1

*1 May include compensation to Board and Audit & Supervisory Board members who retired at the conclusion of the Ordinary General Meeting of Shareholders for the same fiscal year.

*2 Total compensation of members of the board includes bonuses for each fiscal year.

*3 In addition to the above, may include bonuses received by members of the board who are also employees for their service as employees, depending on the fiscal year.

Employment in the NTT Group

			Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Total number of employees			C	People	319,039	324,667	333,840	338,651	338,467
Employees by region	Domestic	183,824			186,228	185,778	184,190	187,457	
	Overseas	135,215			138,439	148,062	154,461	151,010	
	Percentage of overseas employees	42.4			42.6	44.4	45.6	44.6	
Main companies			A	People	—	49,189	49,721	45,474	43,017
	Male	—			38,023	38,285	33,988	31,700	
	Female	—			11,166	11,436	11,488	11,317	
	Percentage of female employees	—			22.7	23.0	25.2	26.3	
NTT			F	People	2,494	2,496	2,486	2,454	2,492
	Male	2,200			2,180	2,144	2,089	2,086	
	Female	294			316	342	365	406	
	Number of temporary employees included in the above	65			62	66	82	85	
Total managers*1			A*	People	—	20,630	21,034	20,092	20,094
	Male	—			19,124	19,204	18,083	17,730	
	Female	—			1,506	1,830	2,009	2,364	
	Ratio of Women Employees in Managerial Positions	—			7.3	8.7	10.4	11.8★	
Average age			F	Years	41.1	41.8	41.8	41.9	41.9
	Male	41.7			42.4	42.4	42.7	42.7	
	Female	37.1			37.7	37.7	37.9	37.7	
Average years of employment			F	Years	16.7	16.7	16.7	16.8	16.5
	Male	17.1			17.3	17.3	17.5	17.3	
	Female	13.3			12.9	12.7	12.8	12.5	
Average annual compensation (not including managers)			F	Yen	5,954,975	6,022,537	6,080,220	6,157,410	6,710,396
			A		6,520,047	6,544,513	6,561,798	6,615,690	6,835,347
Ratio of basic salary per employee and remuneration of women to men*2	Managers	Basic salary	A*	—	1:1.02	1:1.02	1:1.02	1:1.03	1:1.04
		Remuneration			1:1.03	1:1.03	1:1.03	1:1.05	1:1.05
	Non-managerial employees	Basic salary			1:1.17	1:1.15	1:1.17	1:1.16	1:1.16
		Remuneration			1:1.17	1:1.15	1:1.17	1:1.16	1:1.16
Wage gap between male and female			A	%	—	—	—	76.8	77.7★
	Of regular workers (including permanent workers)				—	—	—	77.0	77.6★
	Of non-regular workers				—	—	—	79.3	83.1★
Number of new graduate hires			A	People	1,877	2,025	2,232	2,150	2,090
	Male	1,270			1,361	1,499	1,414	1,299	
	Female	607			664	733	736	791	
	Percentage of female employees	32.3		32.8	32.8	34.2	37.8		
Number of new graduate hires			C	People	—	—	—	—	5,029
Average hiring cost per new hire			A	Yen	—	—	—	—	826,580
Number of foreign national hires			A	People	55	42	43	76	44
	Male	31			22	20	38	23	
	Female	24			20	23	38	21	
Ratio of employees with disabilities*3			F	%	2.7	2.69	2.80	2.79	2.85
			A		2.6	2.66	2.66	2.68	2.73
Turnover rate (including mandatory retirement)	Turnover rate among all employees		A	%	9.9	7.1	6.7	9	9.5
	Turnover rate due to personal reasons				3.7	2.8	3.4	3.3	3.0
Percentage of NWJ membership			B	%	79.4	79.4	78.8	77.2	78.2
Enhancing employee satisfaction*4			B	%	3.8	3.9	—	—	—
Employee engagement rate*4			*5	%	—	—	57	57	54★

*1 Includes section manager level and higher, as well as assigned employees *2 We have a single pay scale for men and women. Differences are due to age and job grade. *3 Reflects information as of June 1 in year of acquisition

*4 The Employee Satisfaction Survey was held until fiscal 2020, after which this item was disclosed as the Employee Engagement Rate. Employee engagement rate is the percentage of positive responses to four NTT Group Key Performance Indicators (KPIs) that measure engagement. The response rate for 2023 is 91%.

*5 Employee engagement rate is calculated for the main six companies and subsidiaries designated by the main six companies. The main six companies are: NTT, NTT East, NTT West, NTT DOCOMO (including NTT Communications), NTT DATA Group, NTT Urban Solutions, and NTT Anode Energy.

Data marked with a ★ is in the process of receiving third-party assurance from KPMG AZSA Sustainability Co., Ltd.

Number of Employees Using Company Systems, Working Hours, etc.

		Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Special leave (childbirth)		D	People	1,164	1,169	1,335	1,321	1,197
Number of employees taking childcare leave		D	People	2,394	2,568	2,926	3,679	3,387
	Male			257	372	745	1,588	1,165
	Female			2,137	2,196	2,181	2,091	2,222
	Ratio that returned to work		%	99.2	99.2	99.3	99.1	99.1
	Ratio of Men who Have Taken Childcare Leave ^{*1}		%	—	—	—	114.1	128.5★
Number of employees taking shortened working hours for childcare		D	People	2,042	2,687	2,251	2,699	2,158
	Male			36	40	44	67	56
	Female			2,006	2,647	2,207	2,629	2,102
Number of employees taking nursing care leave		D	People	58	83	73	79	98
	Male			28	37	31	39	48
	Female			30	46	42	40	50
Number of employees taking shortened working hours for nursing care		D	People	67	77	49	27	42
	Male			31	34	20	14	18
	Female			36	43	29	13	24
Number of days of leave taken		D	Days	17.7	16.6	17.7	18.3	17.6
Working hours	Total hours actually worked	A'	Hours	1,906	1,950	1,831	1,906	1,946
	Average annual overtime hours			276	296	242	262	315
	Overtime hours		Hours	17.5	18	20.2	21.9	26.25
	Overtime pay		Yen	48,180	57,096	62,160	65,940	91,612
Number of employees taking leave for mental health		A	People	1,815	1,738	2,325	2,552	2,716
	Male			1,323	1,227	1,551	1,620	1,724
	Female			492	511	784	932	992
Number of industrial accidents		A	Cases	71	28	27	30	28
	Operational accidents			7	2	8	6	4
	Commuting accidents			64	26	19	24	24
	Frequency rate		—	0.11	0.02	0.09	0.07	0.04
	Number of accidents causing injury or death during construction work ^{*2}	A	Cases	2	1	4	2	0
Implementation rate of specified health guidance		B	%	20.60	21.9	20.2	20.1	19.4
Completion rate of specified health guidance		B	%	40.20	32.8	32.9	26.8	31.2

^{*1} Calculation based on the acquisition rate of childcare leave as specified in Article 71-4, Item 2 of the Ordinance for Enforcement of the Act on Childcare Leave, Caregiver Leave, and Other Measures for the Welfare of Workers Caring for Children or Other Family Members (Ordinance of the Ministry of Labor No. 25 of 1991), in accordance with the provisions of the Act on Childcare Leave, Caregiver Leave, and Other Measures for the Welfare of Workers Caring for Children or Other Family Members (Act No. 76 of 1991).

^{*2} Construction by partner companies and directly managed construction

Data marked with a ★ is in the process of receiving third-party assurance from KPMG AZSA Sustainability Co., Ltd.

Status of Human Resources Development

		Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Average annual training	Hours per employee	B	Hours	30.0	24.0	34.0	38.0	40.7
	Cost per employee		Ten thousand yen	11.3	9.1	9.0	10.3	11.7
NTT Group Job Board	Use	B	People	296	199	264	179	754
	Transfer			107	86	106	86	324
Number of qualified employees (cumulative total)		B	People	48,564	48,754	51,185	56,200	59,294
New Female Manager Promotion Rate		A*	%	—	—	29.1	29.7	27.9★

*1 Job challenge / Job offering values are used for NTT Group Job Board results for FY 2022 and prior.
Data marked with a ★ is in the process of receiving third-party assurance from KPMG Azusa Sustainability Co., Ltd.

Status of Supply Chain Initiatives

		Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Direct Dialogue Rate with Key Suppliers *1		A*	%	—	—	—	100	100★
Percentage of critical suppliers that we sent CSR surveys (SAQ) to, and percentage that were responded to	Sent	A*	%	100	100	100	100	100
	Responded	A*	%	100	100	100	92.9	100
Number of recognized high-risk suppliers		A*	Cases	0	0	0	0	0
Percentage of issues recognized as actual risks that were corrected at suppliers		A*	%	100	100	100	100	100
Percentage of employees in procurement trained on ESG	Sent	A*	%	100	100	100	100	100

*1 The assumptions used in the calculation are as follows. Denominator: 40 suppliers selected based on the top 90% of primary suppliers in terms of procurement amount, suppliers that handle critical goods, and suppliers that handle products that cannot be substituted. Numerator: Suppliers with whom we interviewed about their sustainability initiatives and exchanged opinions on areas for improvement.
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Reports to the corporate ethics help line by type of violation

	Scope of Disclosure	Unit		2019			2020			2021			2022			2023		
				Number of Reports			Number of Reports			Number of Reports			Number of Reports			Number of Reports		
					Disciplinary actions	Warnings		Disciplinary actions	Warnings		Disciplinary actions	Warnings		Disciplinary actions	Warnings		Disciplinary actions	Warnings
Overall	B	Cases	Number of Reports	342	35 (3)	81	346	16 (1)	33	314	27 (2)	14	422	21	20	472	20	37
			Compliance Violations	116	35 (3)	81	49	16 (1)	33	41	27 (2)	14	41	21	20	57	20	37
			Violation of Internal Rules	116	35 (3)	81	49	16 (1)	33	41	27 (2)	14	41	21	20	57	20	37
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violation	226	—	—	297	—	—	273	—	—	256	—	—	415	—	—
Harassment	B	Cases	Number of Reports	210	19	48	203	11 (1)	11	197	15	6	258	15	9	327	15	29
			Compliance Violations	67	19	48	22	11 (1)	11	21	15	6	24	15	9	44	15	29
			Violation of Internal Rules	67	19	48	22	11 (1)	11	21	15	6	24	15	9	44	15	29
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violation	143	—	—	181	—	—	176	—	—	167	—	—	283	—	—
Misconduct	B	Cases	Number of Reports	45	7 (1)	14	60	2	11	48	3	2	81	3	6	72	3	4
			Compliance Violations	21	7 (1)	14	13	2	11	5	3	2	9	3	6	7	3	4
			Violation of Internal Rules	21	7 (1)	14	13	2	11	5	3	2	9	3	6	7	3	4
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violations (Bribery, Accounting Fraud, Disguised Contracting, etc.)	24	—	—	47	—	—	43	—	—	47	—	—	65	—	—
Violation of the rules of employment	B	Cases	Number of Reports	23	2	9	21	1	6	14	2	2	20	0	0	32	0	1
			Compliance Violations	11	2	9	7	1	6	4	2	2	0	0	0	1	0	1
			Violation of Internal Rules	11	2	9	7	1	6	4	2	2	0	0	0	1	0	1
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violation	12	—	—	14	—	—	10	—	—	12	—	—	31	—	—
Fraud (personal use of company funds)	B	Cases	Number of Reports	39	6 (2)	6	19	2	2	16	5 (1)	2	31	1	2	25	2	2
			Compliance Violations	12	6 (2)	6	4	2	2	7	5 (1)	2	3	1	2	4	2	2
			Violation of Internal Rules	12	6 (2)	6	4	2	2	7	5 (1)	2	3	1	2	4	2	2
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violation	27	—	—	15	—	—	9	—	—	11	—	—	21	—	—
Other	B	Cases	Number of Reports	25	1	4	43	0	3	39	2 (1)	2	32	2	3	16	0	1
			Compliance Violations	5	1	4	3	0	3	4	2 (1)	2	5	2	3	1	0	1
			Violation of Internal Rules	5	1	4	3	0	3	4	2 (1)	2	5	2	3	1	0	1
			Violation of Laws and Regulations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Violation	20	—	—	40	—	—	35	—	—	19	—	—	15	—	—

* Numbers in parentheses indicate dismissals

Ethics standards and anti-corruption policy violations

	Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Corruption and bribery	B	Cases	—	—	—	0	0
Human rights violations (harassment, discrimination)	B	Cases	29	33	32	44	49
Breach of customers' private information	B	Cases	—	—	—	0	5
Execution of conflicting interest transactions	B	Cases	—	—	—	0	0
Money laundering and insider trading	B	Cases	—	—	—	1	0

Safe, Secure, and Resilient Society Related Indicators

	Scope of Disclosure	Unit	Results				
			FY2019	FY2020	FY2021	FY2022	FY2023
Major accidents in telecommunications services*	E	Cases	0	2	1	3	4★
Suspension of telecommunications services due to cyber attacks from the outside			0	0	0	0	0★

*Number of accidents that led to a suspension of telecommunications services or a decline in communications quality that meet the following criteria regarding duration and number of people affected:

- Emergency call services (110, 119, etc.): at least 1 hour affecting at least 30,000 users
- Voice services other than emergency calls: at least 2 hours affecting at least 30,000 users, or at least 1 hour affecting at least 100,000 users
- Internet-related services (free of charge): at least 12 hours affecting at least 1 million users, or at least 24 hours affecting at least 100,000 users
- Other services: more than 2 hours affecting 30,000 users, or more than one hour affecting 1 million users

Data marked with a ★ is in the process of receiving third-party assurance from KPMG AZSA Sustainability Co., Ltd.

Patent applications

	Scope of Disclosure	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Number of patent applications	F	Cases	1,817	2,009	2,102	2,104	1,968

Greenhouse Gas Emissions

Scope, Category	Scope and method of calculation	Emissions (ten thousand tons)				
		FY2019	FY2020	FY2021	FY2022	FY2023
GHG emissions (Scope 1 + 2 + 3)	—	2,811	2,622	2,372	2,202	2,103◎
GHG emissions (Scope 1 + 2)	—	461	399	290	254	232◎
Scope 1 (direct emissions)	—	25	24	14	17	15◎
Scope 2 (indirect emissions from energy use)	—	436	375	276	237	217◎
Scope 3 (indirect emissions from the value chain)	—	2,350	2,223	2,082	1,949	1,871◎
Category 1 Purchased goods and services	Calculation based on the number of units and monetary value of purchases of devices and services sold to customers	599	624	455	394	421
Category 2 Capital goods	Calculation based on capital investment costs on telecommunications and other equipment	628	554	456	487	391
Category 3 Fuel- and energy-related activities not included in Scope 1 or 2	Calculation based on annual consumption by energy type	267	275	331	362	416
Category 4 Upstream transportation and distribution	Calculation based on weight and distance, or number of devices with regard to the transport of devices sold to customers	5	8	8	9	8
Category 5 Waste generated in operations	Calculation based on volume of waste by type	1	1	1	1	2
Category 6 Business travel	Calculation based on paid expenses for business travel	19	4	3	11	18
Category 7 Employee commuting	Calculation based on paid expenses for employee commuting	7	3	4	10	7
Category 8 Upstream leased assets ^{*1}	1Excluded from calculation ^{*1}	—	—	—	—	—
Category 9 Downstream transportation and distribution ^{*2}	Excluded from calculation ^{*2}	—	—	—	—	—
Category 10 Processing of sold products ^{*3}	Excluded from calculation ^{*3}	—	—	—	—	—
Category 11 Use of sold products ^{*4}	Calculation based on number of service subscriptions, number of devices and monetary value of telecommunications services and devices used by customers	541	474	455	363	292
Category 12 End-of-life treatment of sold products	Calculation based on number of service subscriptions, number of devices and monetary value of communications devices used by customers	5	4	4	3	7
Category 13 Downstream leased assets ^{*4}	Calculation based on amount of electricity consumption such as equipment by other businesses Calculation based on average use of leased assets	269	268	358	303	303
Category 14 Franchises	Calculation based on total floor area of sales franchises	9	8	8	7	6
Category 15 Investments ^{*5}	Excluded from calculation ^{*5}	—	—	—	—	—

*1 We have excluded Category 8 (upstream leased assets) from the calculation because the fuel and electricity used by leased assets is included in Scope 1 and 2 calculations.

*2 We have excluded Category 9 (downstream transportation and distribution) from the calculation because these emissions are almost entirely from our own transportation and use in our own facilities (included in Scope 1 and 2) or from outsourced transportation (included in Category 4).

*3 We have excluded Category 10 (processing of sold products) from the calculation because our main businesses involve no processing of intermediate products.

*4 From FY2023, the method that had been used to record emissions from the use of rental products as Category 11 was changed to record emissions as Category 13. Accordingly, the method for recording has been applied to data before FY2022, and the figures have been amended.

*5 From FY2022, the method that had been used to record emissions as Category 15 was changed to record emissions as Category 3. Accordingly, the method for recording has been applied to data before FY2021, and the figures have been amended.

Data marked with a ◎ is in the process of receiving third-party assurance from Sustainability Accounting Co., Ltd.

Environmental Performance Data

			Unit	FY2019	FY2020	FY2021	FY2022		FY2023	
				Domestic	Domestic	Domestic	Domestic	Including overseas ^{*4}	Domestic	Including overseas ^{*4}
Direct Greenhouse Gas Emissions (Scope 1) ^{*1}			ten thousand tons of CO ₂	13.8	13.1	12.2	11.9	16.6	11.1◎	15.0◎
Indirect greenhouse gas emissions (Scope 2) location basis ^{*2}			ten thousand tons of CO ₂	—	313.7	244.4	298	335	302◎	370◎
Indirect greenhouse gas emissions (Scope 2) market basis ^{*2}			ten thousand tons of CO ₂	306	287	236	200	237	189.4◎	217◎
CO ₂ Emissions from Business Operations ^{*2, *3}	Total CO ₂ emissions		ten thousand tons of CO ₂	319	298	247	210	251	198.6	230
	Breakdown	Use of electricity		303	284	233	198	235	188	216
		Use of gas and fuel		10.1	9.6	9	8.5	11.9	7.8	10.6
		Use of vehicle operation		2.7	2.1	2	1.8	2.5	1.7	2.3
		Use of heat		3	2.9	2.8	1.6	1.6	1.6	1.6
Greenhouse Gas Emissions other than CO ₂ Emissions (CO ₂ emissions-equivalent)	Total GHG emissions other than CO ₂		ten thousand tons of CO ₂	1.1	1.4	1.2	1.6	2.2	1.6	2.1
	Breakdown	CH ₄ (methane)		0.2	0.2	0.2	0.2	0.2	0.1	0.2
		N ₂ O (nitrous oxide)		0.2	0.1	0.1	0.1	0.2	0.1	0.2
		HFC (Hydrofluorocarbon)		0.6	0.9	0.8	1.1	1.5	1.2	1.6
		PFC (Perfluorocarbon)		0.05	0.1	0.1	0.1	0.2	0.1	0.2
		SF ₆ (sulphur hexafluoride)		0.04	0.1	0.1	0.1	0.1	0.0	0.0
		NF ₃ (nitrogen trifluoride)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Electric Power Consumption		Electricity purchased ^{*2}		hundred million kWh	65.9	66.7	68.6	68.6
Renewable energy, new energy consumption			0.7	3.1	13.7		21.8	26.7	29.0	35.3
Total amount of non-renewable energy used ^{*2, *4}			hundred million kWh	73.8	74.1	75.5	75.3	86.9	76.4	88.7

^{*1} This is the amount of greenhouse gas emissions other than CO₂ Emissions (stated as equivalent CO₂ emissions)

^{*2} The NTT Group provides equipment and the like necessary for other telecommunications carriers and data center providers to carry out their businesses. To date, we have included the fuel and electricity required for this equipment in our disclosed emission and consumption volumes in accordance with reporting methods outlined by the Act on Promotion of Global Warming Countermeasures. However, as calculation methods have been established based on the Ministry of the Environment's Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Ver. 2.3), we have adopted these for calculating the above CO₂ emissions as Scope 3. Emission amounts calculated using the previous method have been placed within parentheses. Similarly, for amounts of electricity purchased and total amount of non-renewable energy, from fiscal 2018 onward we are excluding the amount consumed by other telecommunications carriers and data center providers, and values calculated using the previous method will be placed within parentheses, and we have adopted these for calculating the above CO₂ emissions as Scope 3 from fiscal 2019.

^{*3} The CO₂ emissions from business operations exclude emissions of greenhouse gases other than CO₂.

^{*4} For the total amount of non-renewable energy used, the volume of fuels such as gasoline and utility gas consumed have been converted into Wh values and added to the amount of electricity purchased.

^{*5} Aggregated Scope of Disclosure [C]

* Aggregation range: Scope of Disclosure [B]

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Environmental Performance Data

				Unit	FY2019	FY2020	FY2021	FY2022	FY2023	
Waste and Final Disposal Waste	Total Waste			ten thousand tons	74.4	46.9	47.6	51.0	49.4◎	
	Recycling rate*1, *2			%	98.7	98.4	97.8	98.2 (95.9)	98.4 (96.0)	
	Recycling	Total amount of recycling ²		ten thousand tons	73.5	46.2	46.5	50.0 (48.9)	48.6 (47.4)	
		Breakdown	Recycled decommissioned telecommunications equipment		ten thousand tons	14.6	14.0	12.3	10.2	10.2
			Recycled construction works waste		ten thousand tons	32.5	18.5	18.4	26.2	26.1
			Recycled civil engineering works waste		ten thousand tons	22.8	10.6	13.0	10.8	9.2
			Recycled office waste		ten thousand tons	2.7	2.4	2.2	2.1	2.3
			Others		ten thousand tons	0.9	0.7	0.7	0.7	0.7
	Amount of waste reduced by incineration			ten thousand tons	0.10	0.09	0.09	0.04	0.00	
Amount of final disposal waste			ten thousand tons	0.8	0.6	1.0	0.9	0.8		
Final Disposal Ratio ³	All waste			%	1.13	1.38	2.02	1.73	1.57	
	Recycled decommissioned telecommunications equipment			%	0.06	0.19	0.12	0.09	0.06	
Asbestos Removed from NTT Group Facilities	Total amount of asbestos removed			t	52	73	33	52	83	
	Breakdown	Buildings		t	19	68	31	45	73	
		Bridges		t	32	6	2	7	11	
Use of Water Resources	Water use (total volume of tap water and sewage, recycled water, and rainwater use)			ten thousand m³	1,104.4	993.8	926.4	894.3	850.4	
	Water Withdrawal (tap water)			ten thousand m³	583.4	514.2	475.1	463.5	432◎	
	Volume of recycled wastewater and rainwater	Reused		ten thousand m³	16.7	35.8	37.5	37.1	42.3	
		Reuse rate*4		%	2.8	6.5	7.3	7.4	8.9	
	Sewage			ten thousand m³	504.3	443.9	413.8	393.7	376.5	
Virgin Pulp Consumption	Total			ten thousand tons	1.2	0.8	0.6	0.6	0.5	
	Breakdown	Telephone directories		ten thousand tons	0.7	0.4	0.3	0.3	0.2	
		Telegrams		ten thousand tons	0.02	0.01	0.01	0.01	0.01	
		Office paper		ten thousand tons	0.2	0.1	0.1	0.1	0.1	
		Billing statements		ten thousand tons	0.3	0.3	0.2	0.2	0.2	
Paper Consumption Reductions from Web Billing Service	Number of users			ten thousand	3,364	3,201	2,841	3,542	3,543	
	Paper consumption reductions			t	2,981	2,871	2,527	3,015	3,041	

*1 Recycling rate: Recycling/Total waste

*2 The amount of recycling up to FY2021 includes thermal recycling. From 2022, the amount of recycling without thermal recycling is calculated and shown in ().

*3 Final disposal ratio: Amount of final disposal waste/Total waste

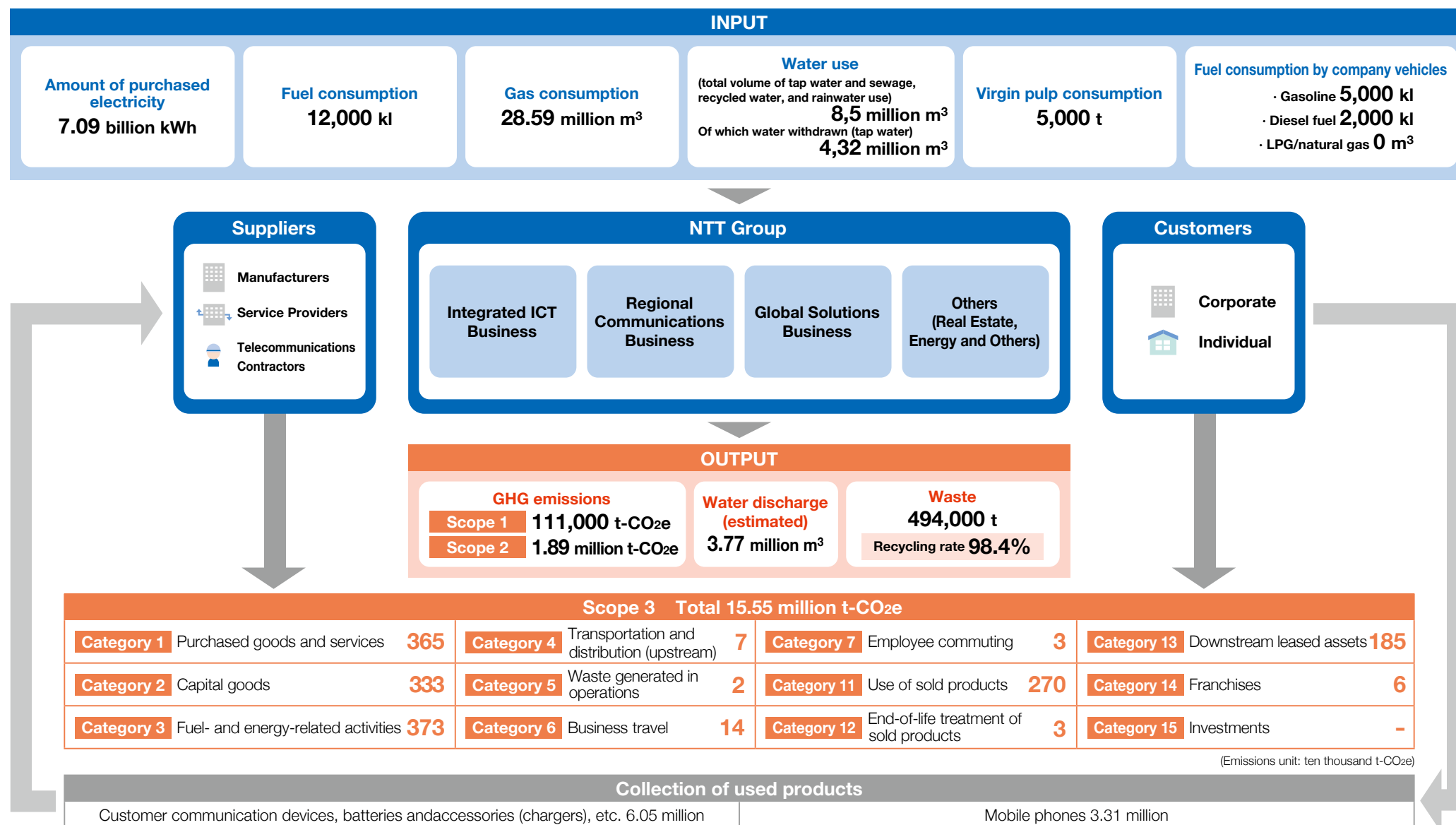
*4 The reuse rate shown up to fiscal 2017 corresponds to the total volume of tap water and sewage, recycled water, and rainwater used, while the reuse rate from fiscal 2018 onward corresponds to the total volume of tap water, recycled water, and rainwater.

* Disclosure Boundary: Boundary [B]

Material Balance of the NTT Group (Fiscal 2023)

Relevant GRI standards: 301-1/302-1/303-3,4/305-1,2,3/306-1,2

To minimize the environmental impacts of our business activities, the NTT Group endeavors to gather and analyze information on the resources and energy that it consumes and the resulting environmental impacts.



* Disclosure Boundary: Boundary [B]