Non-Financial Data (Environmental)

=			FY2018	FY2019	FY2020	FY2021	FY2022
- Energy (GJ)							
		Japan	476,883	507,142	516,995	561,326	562,67
		Asia (excluding Japan) North America	164,649 105,401	152,798 105,556	94,207 85,092	162,282 80,694	151,87 84,00
		Europe	35,031	42,338	43,227	46,607	38,31
		Others	-	-	-	-	2,87
		Total	781,964	807,834	739,520	850,909	839,73
Per Unit of Sales(GJ/100 million yen)			474	508	624	572	48
lectricity (MWh)							
Purchased Electricity	Non-Renewable Energy		71,505	74,366	69,409	78,688	60,25
	Renewable Energy	Biomass Water Power	66 0	67 0	61 0	47	3
		MIX	0	0	0	0	20,31
In-House Power Generation	Non-Renewable Energy	Cogeneration	341	273	362	452	34
	Renewable Energy	Solar Power	512	808	1,194	1,471	1,66
Total			72,425	75,513	71,025	80,706	82,66
Ratio of Renewable Energy (%) Per Unit of Sales (MWh/100 million yen)			0.80%	1.16%	1.77%	1.94%	26.69
					00	54	
Vater Intake (m ³)							
By Region		Japan	226,099	228,977	222,829	208,807	228,08
		Asia (excluding Japan) North America	118,373 26,999	93,598 19,995	66,148 17,536	92,850 14,673	86,29 14,54
		Europe	4,587	4,964	5,815	6,041	1,99
		Total	376,058	347,534	312,327	322,371	330,91
By Water Resources		Tap Water	136,802	123,878	117,114	123,440	107,54
		Industrial Water	239,256	223,656	195,214	198,931	223,36
		Flesh Surface Water from River, Lake, Natural Pond	0	0	0	0	
		Groundwater from Wells, Boreholes	0	0	0	0	
		Water Taken from Quarries External Drainage	0	0	0	0	
		Collected Rainwater	0	0	0	0	
		Seawater, Water Taken from Sea and Ocean	0	0	0	0	
Per Unit of Sales (m ³ /100 million yen)			228	219	264	217	18
Vater Discharge (m ³)							
By Region		Japan	225,524	220,043	220,732	222,189	220,17
		Asia (excluding Japan)	101,325	91,228	62,560	88,095	85,13
		North America	27,001	19,808	17,224	14,664	13,27
		Europe	2,772	3,234	3,914	5,917	1,90
By Discharge Route		Total River	356,623 280,458	334,313 262,067	304,430 233,636	330,865 259,661	320,48
by bischarge house		Sewage	76,165	72,246	70,794	71,204	68,34
		Seawater	0	0	0	0	
		Fresh Surface Water	0	0	0	0	
		Wells, Ground Water	0	0	0	0	
		Water Treatment Off-site	0	0	0	0	(
Per Unit of Sales (m ³ /100 million yen)		Reuse, Other Uses	0 216	0 210	0 257	0	18
Vaste (t)							
Total Waste Output		Japan	776	754	712	749	72
		Asia (excluding Japan)	195	164	44	215	21
		North America	333	304	84	20	4
		Europe	87	31	42	62	4
By Type of Waste		Total Disposal in a Landfill	1,392 268	1,252 275	881	1,045 199	1,02
by type of waste		Amount of Effectively Utilized Resources	1,124	977	722	524	44
		Amount of Hazardous Waste (*1)	76	67	77	72	6
Per Unit of Sales (t/100 million yen)			1	1	1	1	:
iHG (CO ₂) Emissions (t-CO ₂) (*2)							
SCOPE1 By Region		Japan	2,579	2,588	2,529	3,001	2,81
		Asia (excluding Japan)	435	334	202	246	25
		North America	638	568	450	493	52
		5		402	398	444 4,184	32 3,91
		Europe	341		3 500		2,42
By Type of Fnerøy		Total	3,992	3,892	3,580 1,968		
By Type of Energy		Total Utility Gas	3,992 2,256	3,892 2,143	1,968	2,536	
By Type of Energy		Total	3,992	3,892			e
By Type of Energy		Total Utility Gas LPG	3,992 2,256 71 335 502	3,892 2,143 115 397 344	1,968 61 396 231	2,536 64 438 269	6 31 27
By Type of Energy		Total Utility Gas LPG LNG Gasoline Kerosene	3,992 2,256 71 335 502 806	3,892 2,143 115 397 344 869	1,968 61 396 231 919	2,536 64 438 269 871	6 31 27 83
By Type of Energy		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil	3,992 2,256 71 335 502 806 22	3,892 2,143 115 397 344 869 24	1,968 61 396 231 919 4	2,536 64 438 269 871 4	6 31 27 83
By Type of Energy		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A	3,992 2,256 71 335 502 806 22 0	3,892 2,143 115 397 344 869 24 0	1,968 61 396 231 919 4 1	2,536 64 438 269 871 4 2	6 31 27 83
		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil	3,992 2,256 71 335 502 806 22	3,892 2,143 115 397 344 869 24	1,968 61 396 231 919 4	2,536 64 438 269 871 4	6 31 27 83
		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat	3,992 2,256 71 335 502 806 22 0 0	3,892 2,143 115 397 344 869 24 0 0	1,968 61 396 231 919 4 1 0	2,536 64 438 269 871 4 2 2 0	6 31 27 83 14,51
		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam+Heat Japan Asia (excluding Japan) North America	3,992 2,256 71 335 502 806 22 0 0 0 0 20,199 9,170 2,607	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557 2,641	1,968 61 396 231 919 4 1 0 19,860 5,988 2,047	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308	6 31 27 83
		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe	3,992 2,256 71 335 502 806 22 0 0 0 0 9,170	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557	1,968 61 396 231 919 4 1 0 19,860 5,988	2,536 64 438 269 871 4 2 0 21,199 10,476	6 31 27 83 14,51 10,86 1,34 1,73
		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe Others	3,992 2,256 71 335 502 806 22 0 0 20,199 9,170 2,607 1,330	3,892 2,143 115 397 344 869 24 0 0 19,679 8,557 2,641 1,779	1,968 61 396 231 919 4 1 0 19,860 5,988 2,047 1,902	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500	6 31 27 83 14,51 10,86 1,34 1,73 1,7
SCOPE2 Market-Based		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe Others Total	3,992 2,256 71 335 502 806 22 0 0 0 20,199 9,170 2,607 1,330 33,305	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557 2,641	1,968 61 396 231 919 4 1 0 19,860 5,988 2,047	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482	6 31 27 83 14,51 10,86 1,34 1,73 17 28,63
SCOPE2 Market-Based		Total Utility Gas UFG UG Gasoline Kerosene Light Oil Heavy Oil A Steam+Heat Japan Asia (excluding Japan) North America Europe Others Total Japan	3,992 2,256 71 335 502 806 22 0 0 20,199 9,170 2,607 1,330	3,892 2,143 115 397 344 869 24 0 0 19,679 8,557 2,641 1,779	1,968 61 396 231 919 4 1 0 19,860 5,988 2,047 1,902	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500	6 31 27 83 14,51 10,86 1,34 1,73 17 28,63 26,75
SCOPE2 Market-Based		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe Others Total	3,992 2,256 71 335 502 806 22 0 0 0 20,199 9,170 2,607 1,330 33,305	3,892 2,143 115 397 344 869 24 0 0 19,679 8,557 2,641 1,779	1,968 61 396 231 919 4 1 0 19,860 5,988 2,047 1,902	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482	6 31 27 83 14,51 10,86 1,34 1,77 28,63 26,75 11,21
SCOPE2 Market-Based		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam+Heat Japan Korope Others Total Japan Asia (excluding Japan) Asia (excluding Japan)	3,992 2,256 71 335 502 806 22 0 0 20,199 9,170 2,607 1,330 33,305	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557 2,641 1,779 32,656 -	1,968 61 396 231 919 4 1 0 19,860 5,588 2,047 1,902 29,798 -	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482 -	6 31 27 83 14,51 10,86 1,34 1,73 17 28,63 26,75 11,21 1,99
SCOPE2 Market-Based		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam+Heat Japan Asia (excluding Japan) North America Europe Others Total Japan Asia (excluding Japan) Asia (excluding Japan)	3,992 2,256 71 335 502 806 22 0 0 0 20,199 9,170 2,607 1,330 33,305 - -	3,892 2,143 115 397 344 869 24 0 0 19,679 8,557 2,641 1,779 32,656 - -	1,968 61 396 231 919 4 1 0 19,860 5,588 2,047 1,902 29,798 -	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482 -	6 31 27 83 14,51 10,86 1,34 1,77 28,63 26,75 11,21 1,99 1,50 1,7
SCOPE2 Market-Based		Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe Others Total Japan Asia (excluding Japan) North America Europe Europe Europe	3,992 2,256 71 335 502 806 22 0 0 0 20,199 9,170 2,607 1,330 33,305 - - - - -	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557 2,641 1,779 32,656 - - - - - - - - - - -	1,968 61 396 231 919 4 1 0 5,988 2,047 1,902 29,798 - - - - - - - - - - - - -	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482 - - - - - - - - - - - - - -	6 31. 27 83 14,51 10,86 1,34 1,73 28,63 26,75 11,21 1,99 1,50 1,70 1,70
SCOPE2 Market-Based SCOPE2 Location-Based	Total of Market-Based Total of Ioration-Based	Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Urope Others Total Japan Asia (excluding Japan) North America Europe Others Total Japan Asia (excluding Japan) North America Europe Others Total Japan Asia (excluding Japan) North America Europe Others Europe Others Europe Others Europe Others	3,992 2,256 71 335 502 806 22 0 0 20,199 9,170 2,607 1,330 33,305 - - - -	3,892 2,143 115 397 344 869 24 0 0 19,679 8,557 2,641 1,779 32,656 - - - - - -	1,968 61 396 231 919 4 1 9,960 5,988 2,047 1,902 29,798 - - - - -	2,536 64 438 269 871 4 2 0 0 21,199 10,476 1,308 1,500 34,482 - - - - -	66 31 27 83 4 4 4 4 4 5 5 5 11,21 1,99 1,50 17 4 4,54 5 5 11,21 1,99 1,50 17 17 4 5 5 5 5 5 17 17 17 17 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
By Type of Energy SCOPE2 Market-Based SCOPE2 Location-Based	Total of Market-Based Total of Location-Based Per Unit of Sales of Market-Based (t-Co./100	Total Utility Gas LPG LNG Gasoline Kerosene Light Oil Heavy Oil A Steam Heat Japan Asia (excluding Japan) North America Europe Others Total Japan Asia (excluding Japan) North America Europe Others Total Europe Others Total Europe Others Total Europe Others Europe Others Europe Others Total	3,992 2,256 71 335 502 806 22 0 0 0 20,199 9,170 2,607 1,330 33,305 - - - - -	3,892 2,143 115 397 344 869 24 0 0 0 19,679 8,557 2,641 1,779 32,656 - - - - - - - - - - -	1,968 61 396 231 919 4 1 0 5,988 2,047 1,902 29,798 - - - - - - - - - - - - -	2,536 64 438 269 871 4 2 0 21,199 10,476 1,308 1,500 34,482 - - - - - - - - - - - - - -	6 31. 27 83 14,51 10,86 1,34 1,73 28,63 26,75 11,21 1,99 1,50 1,70 1,70

SCOPE3			Category 1 Category 2	614,361 19,789	502,654 21,943	394,197 18,180	405,712 19,901	387,14 21,62
			Category 3	3,959	3,462	3,122	3,651	2,79
			Category 4	242	475	338	412	4
			Category 5	687	661	505	509	3,1
			Category 6	741	727	657	694	69
			Category 7	2,206	2,153	1,875	2,218	2,2
			Category 8		Not eligible, bcau	se it is included	in SCOPE 2	
			Category 9	Not e	ligible, because of	no customer-bo	orne transportati	on
			Category 10		Not eligible, beca	use of no produ	ct processing	
			Category 11	7,177,707	5,575,580	3,733,573	5,081,667	6,919,3
			Category 12	9	6	2	4	
			Category 13	1	lot eligible, becau			
			Category 14		Not eligible, bed			
			Category 15	2 040 204	Not eligibl, beca			7 227 27
Per Unit of Sales (t-	-CO ₂ /100 million yen)		Total	7,819,701 4,736	6,107,661 3,841	4,152,450 3,504	5,514,770 3,706	7,337,37
hemical Subs	tancos							
VOC	stances	Chloroform (t)	Usage Volume	8.6	4.7	6.9	9.7	10.
			Emissions to the Air	8.3	4.5	6.7	9.4	10.
vironmental	l Accounting (million yer)						
		Pollution Prevention Cost and Effectiveness	Cost	20.1	11.3	8.9	9.7	13
			Facilities	4.7	0.0	0.0	0.0	5
			Substantial Effect	0.0	0.2	0.0	0.0	C
			Presumptive Effect	0.0	0.0	0.0	0.0	0
		Global Warming Prevention Cost and Effectiveness	Cost	96.1	46.4	43.2	10.8	51
			Facilities	48.1	18.9	1.4	29.7	94
			Substantial Effect	11.7	22.8	1.1	1.1	20
			Presumptive Effect	0.8	0.0	0.0	0.0	0
		Resource Circulation Cost and Effectiveness	Cost	69.6	46.9	33.5	30.8	45
			Facilities Substantial Effect	0.0 27.3	0.0	0.0	9.9 11.8	7
			Presumptive Effect	27.3	0.0	0.0	0.0	21
		Upstream / Downstream Cost and Effectiveness	Cost	36.0	1.8	0.6	0.4	0
		opstream / bownstream cost and Enectiveness	Facilities	0.0	0.0	0.0	1.6	0
			Substantial Effect	0.0	0.0	0.0	0.0	0
			Presumptive Effect	0.0	0.0	0.0	0.0	C
		Administration Cost and Effectiveness	Cost	91.2	89.4	21.6	64.7	63
			Facilities	0.0	2.7	0.0	10.5	0
			Substantial Effect	0.0	0.0	0.0	0.0	0
			Presumptive Effect	0.0	0.0	0.0	0.0	0
		R&D Cost and Effectiveness	Cost	66.0	66.0	122.6	635.1	1
			Facilities	0.0	0.0	0.0	0.0	3
			Substantial Effect	0.0	0.0	0.0	0.0	0
			Presumptive Effect	0.0	0.0	0.0	0.0	0
		Social Activity Cost and Effectiveness	Cost	105.2	1.9	8.5	63.6	8
			Facilities	0.0	0.0	0.0	0.0	C
			Substantial Effect		0.0	0.0	0.0	
		Environmental Remediation Cost and Effectiveness	Presumptive Effect	0.0	0.0	0.0	0.0	0
		Environmental Remediation Cost and Enectiveness	Cost Facilities	0.0	0.0	0.0	0.0	0
			Substantial Effect	0.0	0.0	0.0	0.0	0
			Presumptive Effect	0.0	0.0	0.0	0.0	C
iolation and I	Fine Related to Environn	nent						
	e nelateu to Environn	Number of Incidents of Environmental Violation		0	0	0	0	
		Amount of Fine (million yen)		0.0	0.0	0.0	0.0	0.
o-Balance								
IN N	Manufacturing	Energy	Energy (GJ)	781,964	807,834	739,520	850,909	839,73
			Electricity (MkWh)	72,425	75,513	71,025	80,706	82,66
			Utility Gas (m ³)	1,070,338	1,016,511	933,718	1,268,771	1,109,0
			LPG (kg)	24,099	38,930	20,894	21,822	21,1
			LNG (kg)	121,058	143,248	143,183	158,072	113,45
		Water(m ³)		376,058	347,534 9.7	312,327 9.0	322,371 10.0	330,9
Ŧ	ransportation	Chemical Substances (t) Fuel (L)		212,123	9.7	9.0	174,010	174,5
	Manufacturing	Air Emission	CO _{2 (} t-CO ₂₎	37,296	36,548	33,378	38,666	32,54
1		Waste	Total Waste Volume (t)	1,392	1,252	881	1,045	1,0
			Disposal in a Landfill (t)	268	275	159	199	2,0
		Water Discharge	Water (m ³)	356,623	334,313	304,430	330,865	320,4
		Chemical Substances (t)		0	8.3	9.0	9.0	1
T	ransportation	Air Emission (t-CO ₂)		0	475	283	412	4
	I Management System							91
nvironmental	I Management System	Percentage of Employees at Certified Sites in Japan (%)		-	-	-		
		Percentage of Employees at Certified Sites in Japan (%) Percentage of Employees at Certified Sites Outside of Japan Percentage of Group Manufacturing Sites Acquired (%)	(%)	-	-	-	-	47

Note

*1 Specially-controlled industrial waste *2 GHG other than CO₂ are not emitted.

·Items not indicated as "non-consolidated" are consolidated figures.

•Regarding the calculation method of SCOPE 1, 2, and 3, please refer to "Calculation Method" below.

Calculation Met	hod				
SCOPE/Category		/Category	Details		
SCOPE 1		Direct emissions from owned or controlled sources	Each energy used × Emission factor by energy type were calculated, and summed		
SCOPE 2		Indirect emissions from the generation of purchased electricity consumption	Electricity used at each site× Emission factor by purchased electricity were calurated, and summed Emission factor: Emission factor by purchased electricity Where the purchased electricity emission factor is not known, the Emission Factors by Electric Utility Operator published by the Japanese Ministry of the Environment for each fiscal year are used for cases in Japan. For overseas cases, the CO ₂ Emissions From Fuel Combustion 2013 published by the International Energy Agency (IEA) are used for fiscal years 2018 to 2020 and Emissions Factors 2021 published by IEA are used for fiscal years from 2021 onward.		
SCOPE 3	Category 1	Purchased goods and services	Consolidated materials purchases × Emission factor of the material with the largest emission factor in the main material (*1)		
	Category 2	Capital goods	Investment in consolidated capital assets × Emission intensity ratios per price of capital goods (In electrical machinery industry) (*1)		
	Category 3	Fuel- and energy related activities (not included in scope 1 or scope 2)	Each energy usage × Emission factor(*2) were calculated, and summed		
	Category 4	Upstream transportation and distribution	Calurated and summed by use Harima Division: Fuel-based method (Japan) Gotemba Division: Fuel-based method and Ton-kilometer method (Japan)		
	Category 5	Waste generated in operations	Weight by waste disposal method×Emission factor(*1)were calculated and summed		
	Category 6	Business travel	The number of Group Employees × Emission factor of business travel per employee (*1)		
	Category 7	Employee commuting	The number of employees at each site × Business days× Emission Intensity ratios by city category and working style per working days (*1)		
	Category 8	Upstream leased assets	Not eligible, as it is included in SCOPE 2		
	Category9	Downstream transportation and distribution	Not eligible, as there is no customer-borne transportation		
	Category 10	Processing of sold products	Not eligible, as there is no product processing		
	Category 11	Use of sold products	Product sales volume×Lifespan by scenario×Electricity×Emission factor were calculated and summed.		
	Category 12	End-of-life treatment of sold products	Sales volume of representative products×Weight by materials ×Emission factor by disposal method were calculated and summed		
	Category 13	Downstream leased assets	Not eligible, as we don't have leased assets		
	Category 14	Franchises	Not eligible, as there is no franchises		
	Category 15	Investments	Not eligibl, as there is no investments		

NOTE

*1 Emission Factor : Emission intensity database for calculating greenhouse gas emissions and other emissions of an organization through its supply chain

2 Emission Factor: LCI Data BaseIDEAv2 (For supply chain GHG emissions calculation)

Status of EMS Construction (Ushio Group's ISO14001 Certification)

Ushio Inc. and Japanese subsidiaries

Company/division name	ISO14001 certification received			
Ushio Inc.	1997			
Ushio Lighting Inc.	2003			
ADTEC Engineering Co., Ltd.	2006			
*XEBEX Inc.	2008			
* Non-production business sites				

Overseas subsidiaries

Company/division name	ISO14001 certification received		
Ushio Philippines, Inc.	2004		
Ushio (Suzhou) Co., Ltd.	2005		
*Ushio Taiwan,Inc.	2006		
*Ushio Korea,Inc.	2006		
*Ushio Asia Pacific Pte Ltd.	2007		
*Ushio Hong Kong Ltd.	2008		
*Ushio Shanghai, Inc.	2009		
Ushio (Shaoguan) Co., Ltd.	2015		

* Non-production business sites