TEPCO HD and core operating companies (Tokyo Electric Power Company Holdings, Inc., TEPCO Fuel & Power	J, IIIC., TEFC	UM	mu, II	FY2020	FY2021	FY2022	FY2023
Coverage		- ON		112020	112021	112022	112025
Operating revenues	(Billion yer	n)	5,867	5,310	7,799	6,918
Electric power operating revenues	•	Billion yer	,	5,514	4,842	7,132	6,330
Other operating revenues	•	Billion yer	,	353	468	667	589
TEPCO HD and core operating companies / TEPCO HD and all of consolidated subsidiary companies	(%)	94	91	91	9
, , , , , , , , , , , , , , , , , , , ,	,	UM		FY2020	FY2021	FY2022	FY2023
Key figures							
Installed capacity by energy source							
Total net electrical capacity	(MW)	18,199	18,200	18,122	18,110
Thermal net capacity	(MW)	58	58	58	58
Coal	(MW)	0	0	0	
LNG	(MW)	0	0	0	
Oil	(MW)	58	58	58	58
Nuclear net capacity	(MW)	8,212	8,212	8,212	8,21
Renewable net capacity	(MW)	9,929	9,930	9,852	9,84
Hydroelectric	(MW)	9,878	9,879	9,801	9,79
Solar	(MW)	30	30	30	3
Wind	(MW)	21	21	21	2
Geothermal	(MW)	0	0	0	
Biomass and cogeneration	(MW)	0	0	0	
Net energy production by energy source							
Total net electrical production (energy consumption)	(GWh)	11,937	13,106	11,706	10,50
Thermal net production (energy consumption)	(GWh)	159	157	156	15!
Coal	(GWh)	0	0	0	
LNG	(GWh)	0	0	0	
Oil	(GWh)	159	157	156	15
Nuclear net production (energy consumption)	(GWh)	0	0	0	
Renewable net production (energy consumption)	(GWh)	11,778	12,948	11,550	10,35
Hydroelectric	(GWh)	11,722	12,882	11,489	10,29
Solar	(GWh)	29	29	24	2.
Wind	(GWh)	26	37	36	3
Geothermal	(GWh)	0	0	0	
Biomass and cogeneration	(GWh)	0	0	0	
Efficiency							
Thermal power plant	(%)	-	-	-	
Development Compared to Compar	,	N.4147	`	120	100	226	22
Development of renewable power generation facilities	(MW)	138	192	326	32
Availability Nuclear power plant	,	%)	0	0	0	
Nuclear power plant Network	(70)	U	U	U	
Electricity network							
Total transmission network	1	km)	41,059	40,966	41,037	40,99
- of which aerial line	(km)	28,585	28,453	28,480	28,41
- of which underground cable	(km)	12,474	12,513	12,557	12,58
Total distribution network	(km)	382,290	383,415	384,544	385,62
- of which aerial line	(km)	343,257	344,208	345,095	345,88
- of which underground cable	ì	km)	39,033	39,207	39,449	39,74
Transmission and distribution loss	(KIII	,	55,055	33,207	33,113	33,74
Extra high voltage	(%)	1.4	1.3	1.3	1.
High voltage	(%)	3.9	3.9	3.7	3.
Low voltage	(%)	6.4	6.6	6.9	6.
Average	(%)	4.0	4.5	3.8	4.
Supply reliability	`	· -	,			2.3	
System Average Interruption Duration Index (SAIDI)	(hour)	0.12	0.12	0.08	0.0
Interruption time (min.) / year (min.)	(%)	0.001	0.001	0.001	0.00

	County weeks								
	Smart meter	,	4.01	,	2.040	2.040	2.040	2.040	* 4
	Number of installations	(10k units	•	2,840	2,840	2,840	2,840	*4
	Instalation rate	(%)	100	100	100	100	*4
	Sales								
	Electricity volumes	(GWh)	192,866	177,118	173,089	192,125	*5
305-4	CO ₂ related electricty sales								
	Adjusted emissions intensity	•	kg-CO ₂ /kWl	•	0.441	0.451	0.376	0.408	*6
	Basic emissions intensity	()	kg-CO₂/kWl	า)	0.447	0.457	0.457	0.475	
	Adjusted emissions	(ktCO ₂)	85,100	79,900	65,100	78,400	*7
	Basic emissions	(ktCO ₂)	86,300	80,900	79,100	91,300	
	Gas volumes	(km³)	659,635	1,230,253	1,378,263	1,284,810	*8
	Adjusted emissions intensity	(t-CO ₂ /km ³)	-	-	-	2.05	*9
	Basic emissions intensity		t-CO ₂ /km ³		-	-	-	2.05	
	Adjusted emissions	(kt-CO ₂)	-	-	-	2,634	*9
	Basic emissions	(kt-CO ₂)	-	-	-	2,634	
	Leakege rate (Transportation)	ì	%)	0	0	0	0	
	Leakege rate (Distribution)	(%	í	0	0	0	0	
	Leakege rate (Strage)	(%)	0	0	0	0	
2-27	Environmental compliance	(70	,	U	O	U	U	
2-27	·	,	Milliam was		0	0	0	0	
	Total monetary value of significant fines	(Million yen	')	0	0	0		
	Total number of non-monetary sanctions	(no.)	0	0	0	0	
	Significant spill								
	Total number of significant spill	(no.)	0	0	0	0	
GRI			UM	FY	2020	FY2021	FY2022	FY2023	
205.1	Emissions Direct greenhouse gas emissions (Scope 1)								*10
305-1	• • • • • • • • • • • • • • • • • • • •	,	ktCO₂eq	`	100	102	193 ★	104	
	Total direct emissions (Scope 1))	190	192			
		((420			194	*1
	CO ₂ emissions from electricity production and other activities	(ktCO ₂)	120	118	119	121	*1
	CO2 emissions from vehicles (gasoline and diesel)	(ktCO ₂ ktCO ₂)	7	118 7	119 6	121 6	*1
	CO^{2} emissions from vehicles (gasoline and diesel) Total other CO_{2} eq emissions	(ktCO ₂ ktCO ₂ ktCO ₂ eq)	7 63	118 7 67	119 6 68	121 6 67	*1
	$\stackrel{-}{\text{CO2}}$ emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O	(ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq)))	7 63 1	118 7 67 1	119 6 68 1	121 6 67 1	_
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs	(((ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq))))	7 63 1 3	118 7 67 1 3	119 6 68 1 6	121 6 67 1 3	*1
	CO2 emissions from vehicles (gasoline and diesel) Total other ${\rm CO_2eq}$ emissions ${\rm N_2O}$ HFCs ${\rm SF_6}$	(ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq))))))	7 63 1	118 7 67 1	119 6 68 1	121 6 67 1	*1
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume	(ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq)))))	7 63 1 3 59	118 7 67 1 3 63	119 6 68 1 6	121 6 67 1 3 63	*1
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O	(ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq)	7 63 1 3	118 7 67 1 3	119 6 68 1 6	121 6 67 1 3	*1:
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume	(ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq))))))	7 63 1 3 59	118 7 67 1 3 63	119 6 68 1 6	121 6 67 1 3 63	*1: *1:
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O		ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq)	7 63 1 3 59	118 7 67 1 3 63	119 6 68 1 6 61	121 6 67 1 3 63	*1: *1:
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 S		ktCO ₂ ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq		7 63 1 3 59	118 7 67 1 3 63	119 6 68 1 6 61	121 6 67 1 3 63	*1: *1:
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF ₆ Other emissions volume N_2O SF ₆ SF ₆ SF ₆ In equipment inspections		ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq)	7 63 1 3 59 3 2.6	118 7 67 1 3 63 3 2.8	119 6 68 1 6 61 3 2.7	121 6 67 1 3 63 3 2.7	*1 *1
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 SF $_6$ SF $_6$ recovery rate In equipment inspections In equipment removal		ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq t t)	7 63 1 3 59 3 2.6 >99.5	118 7 67 1 3 63 3 2.8	119 6 68 1 6 61 3 2.7	121 6 67 1 3 63 3 2.7 >99.5	*1 *1
	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 SF $_6$ recovery rate In equipment inspections In equipment removal Fluorocarbon emissions		ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq t t)))	7 63 1 3 59 3 2.6 >99.5 >99.5	118 7 67 1 3 63 3 2.8 99 99	119 6 68 1 6 61 3 2.7 >99.5	121 6 67 1 3 63 3 2.7 >99.5 >99.5	*1 *1
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 SF $_6$ SF $_6$ recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon		ktCO ₂ ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq ktCO ₂ eq t t)	7 63 1 3 59 3 2.6 >99.5	118 7 67 1 3 63 3 2.8	119 6 68 1 6 61 3 2.7	121 6 67 1 3 63 3 2.7 >99.5	*1 *1 *1
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO2eq emissions N2O HFCs SF6 Other emissions volume N2O SF6 SF6 SF6 recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2)		ktCO ₂ ktCO ₂ eq))))	7 63 1 3 59 3 2.6 >99.5 >99.5	118 7 67 1 3 63 3 2.8 99 99	119 6 68 1 6 61 3 2.7 >99.5 99	121 6 67 1 3 63 3 2.7 >99.5 >99.5	*1 *1 *1
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 SF $_6$ recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2) Total of Scope2,market based		ktCO ₂ ktCO ₂ eq)))))	7 63 1 3 59 3 2.6 >99.5 >99.5	118 7 67 1 3 63 3 2.8 99 99 6	119 6 68 1 6 61 3 2.7 >99.5 99	121 6 67 1 3 63 3 2.7 >99.5 >99.5	*1 *1 *1 *1
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO_2 eq emissions N_2O HFCs SF_6 Other emissions volume N_2O SF_6 SF $_6$ recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2) Total of Scope2,narket based Total of Scope2,location based		ktCO ₂ ktCO ₂ eq))))	7 63 1 3 59 3 2.6 >99.5 >99.5	118 7 67 1 3 63 3 2.8 99 99	119 6 68 1 6 61 3 2.7 >99.5 99	121 6 67 1 3 63 3 2.7 >99.5 >99.5	*1: *1: *1: *1:
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO2eq emissions N2O HFCs SF6 Other emissions volume N2O SF6 SF6 recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2) Total of Scope2, location based Civil uses, hydroelectric and thermal electric plants		ktCO ₂ ktCO ₂ eq)))))	7 63 1 3 59 3 2.6 >99.5 >99.5 5 5,205 5,207	118 7 67 1 3 63 3 2.8 99 99 6 5,753 5,744	119 6 68 1 6 61 3 2.7 >99.5 99 9 4,917 * 4,896 *	121 6 67 1 3 63 3 2.7 >99.5 >99.5 5 5,918 5,961	*1: *1: *1: *1: *1:
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO2eq emissions N2O HFCs SF6 Other emissions volume N2O SF6 SF6 recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2) Total of Scope2,market based Total of Scope2,location based Civil uses, hydroelectric and thermal electric plants Related to energy purchased from the grid (Scope 2, market based)		ktCO ₂ ktCO ₂ eq)))))))	7 63 1 3 59 3 2.6 >99.5 >99.5 >99.5 5 5,205 5,207	118 7 67 1 3 63 3 2.8 99 99 6 5,753 5,744 465	119 6 68 1 6 61 3 2.7 >99.5 99 9 4,917 * 4,896 *	121 6 67 1 3 63 3 2.7 >99.5 >99.5 5 5,918 5,961	*1: *1: *1: *1: *1:
305-2	CO2 emissions from vehicles (gasoline and diesel) Total other CO2eq emissions N2O HFCs SF6 Other emissions volume N2O SF6 SF6 recovery rate In equipment inspections In equipment removal Fluorocarbon emissions Leaked volumes based on the act on rational use and proper management of fluorocarbon Indirect greenhouse gas emissions (Scope 2) Total of Scope2, location based Civil uses, hydroelectric and thermal electric plants		ktCO ₂ ktCO ₂ eq)))))	7 63 1 3 59 3 2.6 >99.5 >99.5 5 5,205 5,207	118 7 67 1 3 63 3 2.8 99 99 6 5,753 5,744	119 6 68 1 6 61 3 2.7 >99.5 99 9 4,917 * 4,896 *	121 6 67 1 3 63 3 2.7 >99.5 >99.5 5 5,918 5,961	*11.***12.***12.***11.**11.**11.**11.**

302-2 305-3	Other indirect greenhouse gas emissions (Scope 3, per GHG protcol)								*17
302 2 303 3	Total of Scope 3	(ktCO ₂ eq)	110,119	101,946	106,073	115,451	1,
	Category 1 Purchased goods and services	(ktCO ₂ eq)	1,236	1,670	2,688	3,432	*18
	E Category 2 Capital goods	(ktCO ₂ eq)	1,906	1,758	1,988	2,279	10
	© Category 3 Fuel- and energy-related activities (not included in Scope 1 or Scope 2)	(ktCO ₂ eq)	101,402	91,342	94,174 *	101,903	*19
	© Category 4 Upstream transportation and distribution	(ktCO ₂ eq)	0	0	0	21	*20
	Category 5 Waste generated in operations	(ktCO ₂ eq)	2	3	4	4	
	Category 6 Business travel	(ktCO ₂ eq)	4	4	4	4	
	Category 7 Employee commuting	(ktCO ₂ eq)	11	10	10	9	
	Category 8 Upstream leased assets	(ktCO ₂ eq)	0	0	0	0	
	Other (upstream)	`		,	0	0	0	0	
	Category 9 Downstream transportation and distribution	(ktCO ₂ eq)	0	0	0	0	
	Category 10 Processing of sold products	(ktCO ₂ eq)	0	0	0	0	
	© Category 11 Use of sold products	(ktCO2eq)	5,559	7,159	7,206 🖈	7,800	*21
	Category 12 End-of-life treatment of sold products	(ktCO ₂ eq)	0	0	0	0	
	Category 13 Downstream leased assets	(ktCO ₂ eq)	0	0	0	0	
	Regard 14 Franchises	(ktCO ₂ eq)	0	0	0	0	
	• Category 15 Investments	(ktCO ₂ eq)	0	0	0	0	
	Other (downstream)	(RCCO2Cq	,	0	0	0	0	
	Scope 1 and 2				O	O	· ·	O	
	Market based	(ktCO₂eq)	5,395	5,945	5,110	6,113	
	Location based	()	5,397	5,936	5,089	6,156	
	Scope 1, 2 and 3	(KtCO2Cq	,	3,337	3,330	3,003	0,130	
	Market based	(ktCO₂eq)	115,514	107,891	111,183	121,564	
	Location based	(ktCO₂eq ktCO₂eq)	115,514	107,882	111,162	121,607	
305-7	Other atmospheric emission	(KtCO2Cq	,	113,310	107,002	111,102	121,007	
303-7	NO _x emissions	(kt	١	2	2	2	2	
	SO _X emissions	(kt)	0.1	0.2	0.2	0.2	
	Dust emissions	(kt)	0.03	0.03	0.04	0.03	
		(,					
	Direct mercury emissions	(kt)	0	0	0	0	
	Direct mercury emissions Volatile organic compounds (VOC) emissions	(kt kt)	0	0	0	0	*22
GRI	Direct mercury emissions Volatile organic compounds (VOC) emissions	(kt)	0	0	0	0	*22
GRI	Volatile organic compounds (VOC) emissions	()					*22
GRI 302-1 302-4	Volatile organic compounds (VOC) emissions Energy	(kt)	0	0	0	0	*22
	Volatile organic compounds (VOC) emissions Energy	(kt UM)	0 FY2020	0 FY2021	0 FY2022	0 FY2023	*22
	Volatile organic compounds (VOC) emissions Energy Energy consumption	(kt)	0	0	0	0	
	Volatile organic compounds (VOC) emissions Energy Energy consumption Total Electricity production and other activities	(kt UM GJ)	0 FY2020 12,376,989 1,738,099	0 FY2021 12,283,582 1,705,628	12,585,020 1,723,232	0 FY2023 11,104,432 1,717,883	
	Volatile organic compounds (VOC) emissions Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel)	((kt UM GJ GJ	,	12,376,989 1,738,099 106,536	12,283,582 1,705,628 96,981	0 FY2022 12,585,020 1,723,232 94,634	0 FY2023 11,104,432 1,717,883 92,839	
	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants)	((kt UM GJ GJ GJ)	0 FY2020 12,376,989 1,738,099	0 FY2021 12,283,582 1,705,628	12,585,020 1,723,232	0 FY2023 11,104,432 1,717,883	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings	((((((((((((((((((((kt UM GJ GJ GJ GJ)	12,376,989 1,738,099 106,536 10,532,354	12,283,582 1,705,628 96,981 10,480,973	0 FY2022 12,585,020 1,723,232 94,634 10,767,154	0 FY2023 11,104,432 1,717,883 92,839 9,293,709	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.)	((kt UM GJ GJ GJ)	12,376,989 1,738,099 106,536	12,283,582 1,705,628 96,981	0 FY2022 12,585,020 1,723,232 94,634	0 FY2023 11,104,432 1,717,883 92,839	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings		kt UM GJ GJ GJ GJ)	12,376,989 1,738,099 106,536 10,532,354	12,283,582 1,705,628 96,981 10,480,973	0 FY2022 12,585,020 1,723,232 94,634 10,767,154	0 FY2023 11,104,432 1,717,883 92,839 9,293,709	*23
302-1 302-4	Energy Energy Consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption		kt UM GJ GJ GJ GJ GJ MJ/m²)	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397	12,283,582 1,705,628 96,981 10,480,973 1,336	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs		kt UM GJ GJ GJ GJ GJ MJ/m²)	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397	12,283,582 1,705,628 96,981 10,480,973 1,336	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings		kt UM G3 G3 G3 G3 M3/m² Million yen kW)	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity		kt UM GJ GJ GJ GJ MJ/m² Million yen))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294	*23
302-1 302-4	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings		kt UM G3 G3 G3 G3 M3/m² Million yen kW kW))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh))))	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM))))	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227 FY2020	12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources Coal		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM)	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227 FY2020	0 FY2021 12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources Coal Heavy oil, crude oil, etc.		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM)	12,376,989 1,738,099 1,06,536 10,532,354 1,397 2,948 17 229 227 FY2020	0 FY2021 12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources Coal Heavy oil, crude oil, etc. Gas (LNG, LPG)		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM)	12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227 FY2020	0 FY2021 12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources Coal Heavy oil, crude oil, etc. Gas (LNG, LPG) City Gas		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM)	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227 FY2020	0 FY2021 12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23
302-1 302-4 302-3	Energy Energy consumption Total Electricity production and other activities Vehicles (gasoline and diesel) Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants) Energy consumption intensity in buildings Per total floor space of office (headquarters, branch offices, etc.) Costs Total costs of energy consumption Renewable energy (in-house power generation) Installed buildings Installed capacity Net energy production Raw materials Fuel consumption from non-renewable sources Coal Heavy oil, crude oil, etc. Gas (LNG, LPG) City Gas Fuel for nuclear power plants		kt UM GJ GJ GJ GJ MJ/m² Million yen kW kW MWh UM)	0 FY2020 12,376,989 1,738,099 106,536 10,532,354 1,397 2,948 17 229 227 FY2020	0 FY2021 12,283,582 1,705,628 96,981 10,480,973 1,336 3,914 15 303 225 FY2021	0 FY2022 12,585,020 1,723,232 94,634 10,767,154 1,316 4,198 14 301 223 FY2022	0 FY2023 11,104,432 1,717,883 92,839 9,293,709 1,172 5,294 14 312 251 FY2023	*23

GRI			UM		FY2020	FY2021	FY2022	FY2023
	Water							
303-3	Water withdrawal in "water stressed" areas							
	Total	(km³)	0	0	0	0
303-3	Water withdrawal by source							
	Total withdrawal from scarce sources	(km³)	47,420,172	49,463,282	47,263,796	37,129,334
	Surface water (wetlands, lakes, rivers)	(km ³)	47,419,391	49,462,537	47,263,067	37,128,590
	Ground water (from wells)	(km³)	25	27	24	31
	Water from municipal water supplies	(km ³)	756	719	705	714
	Water withdrawal by uses							
	Total	(km³)	47,420,172	49,463,282	47,263,796	37,129,334
	River water for hydroelectric plants	(km ³)	47,419,231	49,462,389	47,262,577	37,128,052
	Industrial water	(km ³)	67	73	384	422
	Municipal water	(km³)	849	794	811	831
	Groundwater	(km³)	25	27	24	31
	Water intensity for electricity generation activities							
	Total	(km ³ /MWl	n)	5.6	5.7	5.5	5.2
303-4	Water discharge by destination		_					
	Total	(km ³)	47,420,170	49,463,282	47,263,796	37,129,331
	Surface water (wetlands, lakes, rivers)	(km ³)	47,419,231	49,462,389	47,262,577	37,128,057
	Groundwater	(km³)	0	0	0	0
	Sea (in industrial treatment plants)	(km³)	352	335	668	715
	Third party water (municipal treatment plants)	(km ³)	588	558	551	559
303-5	Freshwater consumption							
	Total	(km³)	2	<1	<1	3
	Water treatment							
	Volume of waste water treatment in power plants	(km³)	-	-	-	-
	COD emissions from power plants	(t)	-	-	-	-
	Annual accumulated ALPS treated water discharge volume							24
		(mil m ³)	-	-	-	31
	Business Impacts of Water Related Incidents	(Million ye) n)	-	-	-	0
GRI	Business Impacts of Water Related Incidents	() n)	FY2020	FY2021	FY2022	
GRI	Business Impacts of Water Related Incidents Waste	(Million ye) n)	FY2020	FY2021	FY2022	0
	Business Impacts of Water Related Incidents Waste Industrial waste by disposal method	(Million ye UM) n)				0 FY2023
306-3	Waste Industrial waste by disposal method Total generated	((Million ye UM kt)	144	148	140	0 FY2023
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume	((((((((((((((((((((Million ye UM kt kt) n)	144 144	148 148	140 140	0 FY2023 156 156
306-3	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume	((((((((((((((((((((Million ye UM kt kt kt)	144 144 0.105	148 148 0.486	140 140 0.055	0 FY2023 156 156 0.093
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate	((((((((((((((((((((Million ye UM kt kt)	144 144	148 148	140 140	0 FY2023 156 156
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste	((((((((((((((((((((Million ye UM kt kt kt %)	144 144 0.105 99.9	148 148 0.486 99.6	140 140 0.055 99.9	0 FY2023 156 156 0.093 99.9
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB		Million ye UM kt kt kt kt kt)	144 144 0.105 99.9	148 148 0.486 99.6	140 140 0.055 99.9	0 FY2023 156 156 0.093 99.9
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated)		Million ye UM kt kt kt kt ML))))	144 144 0.105 99.9 26 4	148 148 0.486 99.6 27 4	140 140 0.055 99.9 18 4	156 156 0.093 99.9 21 6
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers		Million ye UM kt kt kt kt kt))))	144 144 0.105 99.9	148 148 0.486 99.6	140 140 0.055 99.9	0 FY2023 156 156 0.093 99.9
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments		kt kt kt kt ML 10k units))))))) ;)	144 144 0.105 99.9 26 4 7	148 148 0.486 99.6 27 4 5	140 140 0.055 99.9 18 4 3	0 FY2023 156 156 0.093 99.9 21 6
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers		Million ye UM kt kt kt kt ML)))))) ;)	144 144 0.105 99.9 26 4	148 148 0.486 99.6 27 4	140 140 0.055 99.9 18 4	156 156 0.093 99.9 21 6
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management		kt kt kt % kt ML 10k units)))))) ;)	144 144 0.105 99.9 26 4 7	148 148 0.486 99.6 27 4 5	140 140 0.055 99.9 18 4 3	0 FY2023 156 156 0.093 99.9 21 6 3
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers		kt kt kt % kt ML 10k units kt)))))) ;)	144 144 0.105 99.9 26 4 7	148 148 0.486 99.6 27 4 5	140 140 0.055 99.9 18 4 3 6	0 FY2023 156 156 0.093 99.9 21 6 3
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated		kt kt kt % kt ML 10k units kt kt kt)))))) ;)	144 144 0.105 99.9 26 4 7	148 148 0.486 99.6 27 4 5	140 140 0.055 99.9 18 4 3	0 FY2023 156 156 0.093 99.9 21 6 3
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume		kt kt kt ML 10k units kt)))))) ;)	144 144 0.105 99.9 26 4 7 12	148 148 0.486 99.6 27 4 5 8	140 140 0.055 99.9 18 4 3 6	0 FY2023 156 156 0.093 99.9 21 6 3 3
306-3 306-4	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume		kt kt kt % kt ML 10k units kt kt kt)))))) ;)	144 144 0.105 99.9 26 4 7 12	148 148 0.486 99.6 27 4 5 8	140 140 0.055 99.9 18 4 3 6	0 FY2023 156 156 0.093 99.9 21 6 3 3
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume		kt kt kt ML 10k units kt kt kt kt whits 10k units kt kt kt kt kt whits kt)))))) ;)	144 144 0.105 99.9 26 4 7 12 0 0	148 148 0.486 99.6 27 4 5 8	140 140 0.055 99.9 18 4 3 6	0 FY2023 156 156 0.093 99.9 21 6 3 3
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle		kt kt kt ML 10k units kt kt kt kt whits 10k units kt kt kt kt kt whits kt)))))) ;)	144 144 0.105 99.9 26 4 7 12 0 0 0	148 148 0.486 99.6 27 4 5 8 0 0	140 140 0.055 99.9 18 4 3 6 0 0	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV		kt kt kt ML 10k units kt kt kt kt whits 10k units kt kt kt kt kt whits kt)))))) ;)	144 144 0.105 99.9 26 4 7 12 0 0	148 148 0.486 99.6 27 4 5 8	140 140 0.055 99.9 18 4 3 6	0 FY2023 156 156 0.093 99.9 21 6 3 3
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle		kt kt kt which was a second of the second of)))))) ;)	144 144 0.105 99.9 26 4 7 12 0 0 0	148 148 0.486 99.6 27 4 5 8 0 0	140 140 0.055 99.9 18 4 3 6 0 0	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV		kt kt kt ML 10k units kt kt kt w		144 144 0.105 99.9 26 4 7 12 0 0 0 0 - FY2020	148 148 0.486 99.6 27 4 5 8 0 0 0	140 140 0.055 99.9 18 4 3 6 0 0 0	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0 0 - FY2023
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV Rate of EV or PHEV fleets		kt kt kt ML 10k units kt kt kt w		144 144 0.105 99.9 26 4 7 12 0 0 0 - FY2020	148 148 0.486 99.6 27 4 5 8 0 0 0	140 140 0.055 99.9 18 4 3 6 0 0 0	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0 0
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV Rate of EV or PHEV fleets Green procurement		kt kt kt ML 10k units kt kt kt www. Tok units kt kt www. Tok units kt kt www. White www.))))))))))))))))))))	144 144 0.105 99.9 26 4 7 12 0 0 0 0 - FY2020	148 148 0.486 99.6 27 4 5 8 0 0 0 - FY2021	140 140 0.055 99.9 18 4 3 6 0 0 0 7 720 21	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0 0 - FY2023
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV Rate of EV or PHEV fleets Green procurement Green procurement rate in office supplies (monetary value based)		kt kt kt ML 10k units kt kt kt www. Tok units kt kt www. Tok units kt kt www. White www.))))))))))))))))))))	144 144 0.105 99.9 26 4 7 12 0 0 0 0 - FY2020	148 148 0.486 99.6 27 4 5 8 0 0 0 - FY2021	140 140 0.055 99.9 18 4 3 6 0 0 0 7 720 21	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0 0 - FY2023
306-3 306-4 306-5	Waste Industrial waste by disposal method Total generated Recycled volume Landfill treatment volume Recycling rate Hazardous waste Waste volume containing PCB Insulating oil (inadvertently contaminated) Pole-mounted transformers Management of remaining PCB equipments Pole-mounted transformers Ash management Total generated Recycled volume Landfill treatment volume Recycling rate Other Electric vehicle Number of EV or PHEV Rate of EV or PHEV fleets Green procurement Green procurement rate in office supplies (monetary value based) Paper bought for printers/ photocopiers		kt kt kt % wL 10k units kt kt % UM))))))))))))))))))))	144 144 0.105 99.9 26 4 7 12 0 0 0 - FY2020 569 15 99.8	148 148 0.486 99.6 27 4 5 8 0 0 0 - FY2021	140 140 0.055 99.9 18 4 3 6 0 0 0 - FY2022	0 FY2023 156 156 0.093 99.9 21 6 3 3 0 0 0 - FY2023

	TEPCO HD and all of consolidated subsidiary companies								
GRI	KPI K		UM		FY2020	FY2021	FY2022	FY2023	注
	Key figures								
	Installed capacity by energy source Total net electrical capacity	,	MW)	18,350	18,354	18,269	18,310	
	Thermal net capacity	(MW)	18,330	16,334	18,269	16,310	
	Coal	(MW)	0	0	0	0	
	LNG	(MW)	0	0	0	0	
	Oil	(MW)	58	58	58	58	
	Nuclear net capacity	(MW)	8,212	8,212	8,212	8,212	
	Renewable net capacity	(MW)	10,080	10,084	9,998	10,039	
	Hydroelectric	(MW)	10,035	10,034	9,945	9,985	*2
	Solar	(MW)	10,025	39	30	30	. 2
	Wind	(MW)	21	21	21	21	
	Geothermal	(MW)	0	0	0	0	
	Biomass and cogeneration	(MW)	3	3	3	3	
	Net energy production by energy source	(1*1 V V	,	J	3	3	3	
	Total net electrical production	,	GWh)	12,561	13,698	12,248	11,225	
	Thermal net production	(GWh)	12,561	13,698	12,248	11,225	
	Coal	(GWh)	0	0	0	0	
	LNG	(GWh)	0	0	0	0	
	Oil	(GWh)	159	157	156	155	
	Nuclear net production	(GWh)	139	0	130	133	
	Renewable net production	(GWh)	12,402	13,541	12,092	11,070	
	Hydroelectric	(GWh)	12,332	13,458	12,032	10,992	*2
	Solar	(GWh)	31	31	25	22	. 2
	Wind	(GWh)	26	37	36	35	
	Geothermal	(GWh)	0	0	0	0	
	Biomass and cogeneration	(GWh)	13	16	16	21	
	Sales	(GWII	,	13	10	10	21	
	Electricity volumes	(GWh)	204,484	233,812	242,784	228,745	*24
2-27	Environmental compliance	(GWII	,	207,707	233,012	242,704	220,743	24
2-21	Total monetary value of significant fines	(Million yer	١ ١	0	0	0	0	
	Total number of non-monetary sanctions	(no.	')	0	0	0	0	
	Significant spill	(110.	,	U	U	U	U	
	Total number of significant spill	,	no.)	0	0	0	0	
	ISO 14001	(110.	,	U	U	U	U	
	Certificated offices	,	no.	١	24	19	20	21	
GRI	Certificated offices		UM		FY2020	FY2021	FY2022	FY2023	注
	Emissions				112020	112021	112022	712023	
305-1	Direct greenhouse gas emissions (Scope 1)								
	Total direct emissions (Scope 1)	(ktCO₂eq)	203	203	205	211	
	CO ₂ emissions from electricity production and other activities	ì	ktCO ₂)	128	123	125	132	
	CO2 emissions from vehicles (gasoline and diesel)	ì	ktCO ₂)	11	11	10	9	
	Total other CO ₂ eq emissions	(ktCO ₂ eq	,	64	69	69	69	
305-2	Indirect greenhouse gas emissions (Scope 2)	(cozcq	,	0-1	0,9	0,5	09	
303 2	Total of Scope2,market based	(ktCO₂eq)	5,229	5,777	4,934	5,937	
	Total of Scope2,location based	(ktCO2eq		5,231	5,773	4,913	5,981	
	Civil uses, hydroelectric and thermal electric plants	(cozcq	,	5,251	3,773	7,515	3,301	
	Related to energy purchased from the grid (Scope 2, market based)	(ktCO₂eq)	493	489	507	446	
	Related to energy purchased from the grid (Scope 2, Indicket based)	(ktCO ₂ eq		495	485	485	490	
	Related to technical losses from distribution and transmission network	(ktCO ₂ eq		4,736	5,288	4,427	5,491	
	Scope 1 and 2	(cozcq	,	4,750	3,200	7,727	5,751	
	Market based	(ktCO₂eq)	5,432	5,980	5,139	6,148	
	Location based	(ktCO ₂ eq	•	5,433	5,976	5,118	6,192	
	20001011 20000	(co ₂ cq	,	3,133	3,370	3,110	0,132	

802-2 305-3	Other indirect greenhouse gas emissions (Scope 3, per GHG protcol)								
002-2 303-3	Total of Scope 3	(ktCO ₂ eq)	_	_	106,401	116,330	*25
	Category 1 Purchased goods and services	(ktCO ₂ eq)	_	_	-	3,895	23
	E Category 2 Capital goods	(ktCO ₂ eq	í	_	_	_	2,533	
	© Category 3 Fuel- and energy-related activities (not included in Scope 1 or Scope 2)	(ktCO ₂ eq	í	_	_	_	102,045	
	© Category 4 Upstream transportation and distribution	(ktCO ₂ eq	í	_	_	_	26	
	Category 5 Waste generated in operations	(ktCO ₂ eq	í	_	_	_	6	
	Category 6 Business travel	(ktCO ₂ eq)	_	_	_	5	
	Category 7 Employee commuting	(ktCO ₂ eq)	_	_	_	13	
	Category 8 Upstream leased assets	(ktCO₂eq)	_	_	_	1	
	Other (upstream)	(KtCO ₂ eq	,				0	
	Category 9 Downstream transportation and distribution	,	ktCO ₂ eq	`				0	
	Category 10 Processing of sold products	()	-	-	-	0	
	Category 11 Use of sold products	(ktCO₂eq)	-	-	-	7,801	
		(ktCO ₂ eq)	-	-	-	7,801	
	Category 12 End-of-life treatment of sold products	(ktCO₂eq)	-	-	-	U 5	
	Category 13 Downstream leased assets	(ktCO₂eq)	-	-	-	0	
	Scategory 14 Franchises	(ktCO₂eq)	-	-	-		
	Category 15 Investments	(ktCO₂eq)	-	-	-	0	
001	Other (downstream)	(ktCO₂eq)	-	-	-	0	2-3-
GRI	Energy		UM		FY2020	FY2021	FY2022	FY2023	注
2-1 302-4									
2 1 302 1	Total	(GJ)	13,084,756	13,122,744	13,135,128	11,756,069	
	Electricity production and other activities	(GJ)	1,867,640	1,787,910	1,823,146	1,929,388	
	Vehicles (gasoline and diesel)	(GJ)	162,401	155,338	158,534	142,014	
	\frac{1}{2}	(GJ)	11,054,715	11,179,495	11,153,448	9,684,667	
GRI	Electricity, heat and steam (civil uses, hydroelectric and thermal electric plants)	(UM)	FY2020	FY2021	FY2022	9,084,007 FY2023	注
GIVI	Water		OM		112020	112021	112022	112023	-/-
303-3	Water withdrawal by uses								
505 5	Total	(km ³)	51,300,384	52,787,101	50,621,370	41,352,728	
	River water for hydroelectric plants	(km ³)	51,299,291	52,786,057	50,619,971	41,351,172	
	Industrial water for thermal electric plants	(km ³)	67	73	384	422	
	Municipal water	(km ³)	1,000	944	991	1,104	
	Groundwater	(km ³)	25	27	25	31	
GRI	KPI		UM		FY2020	FY2021	FY2022	FY2023	注
GIVI	Waste		OM		112020	112021	112022	112023	-/-
	Industrial waste by disposal method								
306-3	Total generated	(kt)	179	212	152	171	
306-4	Recycled volume	(kt	í	179	212	152	171	
306-5	Landfill treatment volume	(kt	í	<1	<1	<1	<1	
555 5	Recycling rate	(%	í	99.8	99.6	99.7	99.7	
GRI	KPI		UM		FY2020	FY2021	FY2022	FY2023	注
014	Other		011	_	112020	112021	112022	112025	
	Electric vehicle								
	Number of EV or PHEV	(no.)	592	690	754	938	
	Green procurement	(.101	,	3,2	0,50	, , , ,	555	
	Green procurement rate in office supplies (monetary value based)	1	%)	97.6	95.3	94.8	85.9	
	Paper bought for printers/ photocopiers	(70	,	37.0	99.3	סיבפ	03.9	
	Number of sheets (equivalent A4 sheets)	1	mil A4eq	١	323	247	249	219	
	Weight	(nııı A4eq)	1,289	247 985	249 993	219 876	

- Figures which are marked with ★ have been externally assured by KPMG AZSA Sustainability Co.,Ltd.
- · Totals may not be exact due to significant digits or rounding.
- · The values are for the fiscal year (from 1 April to 31 March) or as of the end of the fiscal year (31 March) unless otherwise specified.
- *1 Source: "Surveys and Statistics of Electricity (the Agency for Natural Resources and Energy)"
- *2 Including pumped-storage power generation
- *3 The transmission and distribution loss rate by voltage is the transmission and distribution loss rate by voltage stated in the wheeling supply agreement announced at the beginning of the fiscal year.
- *4 The installation has been completed in all households except for some places where replacement work is difficult in FY2020.
- *5 Excluding wholesale electricity
- *6 Adjusted emissions intensity is the value after adjustment of feed-in tariff scheme for renewable energy based on the Act on Promotion of Global Warming Countermeasures.
- *7 Adjusted emissions is the value after adjustment of feed-in tariff scheme for renewable energy based on the Act on Promotion of Global Warming Countermeasures.
- *8 Excluding wholesale gas
- *9 CO2 emissions intensity and CO2 emissions are calculated and published from FY2023 results in accordance
 - with the revision of the Act on Promotion of Global Warming Countermeasures and other related laws and regulations.
 - Adjusted emissions intensity is the value after adjustments of domestic and overseas certified emission reductions
 - based on the Act on Promotion of Global Warming Countermeasures. Adjusted emissions is the value after adjustments
- of domestic and overseas certified emission reductions based on the Act on Promotion of Global Warming Countermeasures.

 * 10 Emissions of greenhouse gases released directly into the atmosphere from emission sources within organizational boundaries.
- Calculated, in principle, with the emission factors specified in the GHG emissions accounting, reporting, and disclosure system administered by Japan's Ministry of the Environment, based on the Act on the Rational Use of Energy and the Law Concerning the Promotion of the Measures to Cope with Global Warming.
- *11 Emissions due to the fluorocarbon emissions are not included in total direct emissions (Scope 1).
- *12 The value for calendar year (from January 1 to December 31)
- *13 Emissions due to the use of electricity, heat and steam supplied by others.
- *14 "Market based" emissions are emissions which are calculated based on the emissions factor of each electricity retail company.
 - Calculated by using the adjusted emissions factor for each electricity retail company and the emissions factor of heat and steam specified
 - in the Act on Promotion of Global Warming Countermeasures.
- *15 "Location based" emissions reflect the average emissions factor of grids.
- *16 Transmission and distribution losses are calculated by multiplying the electricity TEPCO Power Grid transmitted by the transmission and distribution loss rate.
 - Emissions associated with transmission and distribution losses are calculated by multiplying transmission and distribution losses by the emissions factor for power transmission and distribution operators.
- *17 Indirect greenhouse gas emissions from business

Approach to calculation

We follow major guidelines have been published:

"Corporate Value Chain (Scope 3) Accounting and Reporting Standard(GHG protocol)"

"Green Value Chain Platform (Japanese Ministry of the Environment website, which provides Scope 3 emissions calculation methods and models)"

Calculation method for each of the categories

- Category 1: A hybrid of the following two
 - A. Calculated by multiplying the procurement amount for each product/service purchased by the emissions intensity
 - B. If the supplier publishes corporate emissions and sales on their websites, etc., calculate using the published values and our procurement amount.
- Category 2: Calculated by multiplying the amount of annual capital investment in financial report by the emission factor
- Category 3: The sum of the following two values;
 - A. Emissions from resource extraction, production and transportation
 - Calculated by multiplying amount of electricity procured by emission factors
 - B. Emissions of energy consumption by other companies related to the amount of electricity sold
 - Calculated by multiplying the amount of electricity procured from other companies by the emission factor
- Category 4: Calculated by multiplying transportation volume or transportation charges by the emission factor from FY2023 results
- Category 5: Calculated by multiplying the volume of industrial waste by the emission factor for each type of waste treatment method
- Category 6: Calculated by multiplying the number of employees by the emission factor
- Category 7: Calculated by multiplying the number of employees by the number of business days and the emission factor for each location type of office
- Category 8: No applicable emissions due to our type of business
- Category 9: No applicable emissions due to our type of business
- Category 10: No applicable emissions due to our type of business
- Category 11: Calculated by multiplying the volume of gas sales by the emission factor
- Category 12: No applicable emissions due to our type of business
- Category 13: No applicable emissions due to our type of business
- Category 14: No applicable emissions due to our type of business
- Category 15: No applicable emissions due to our type of business

- *18 From FY2022 results, the scope of aggregation has been expanded to include all purchased products and services.
- *19 Emissions due to the extraction, production and transportation of fuel resources for power generation:
 Calculated by multiplying amount of electricity procured with the emissions coefficient specified in the emissions coefficients database for the calculation of GHG emissions throughout the supply chain available from Japan's Ministry of the Environment.
 Emissions from energy consumption outside the TEPCO Group related to electricity sales:
 Calculated by multiplying the electricity purchased from outside the TEPCO Group by the emissions factor of the TEPCO Group company that sells electricity and that for power transmission and distribution operators.
- *20 From FY2023 results, calculated by multiplying transportation volume or transportation charges by the emissions factor.
- *21 Emissions associated with the use of city gas we sell:
 Calculated by multiplying the city gas sold (in calorific value) by the emissions factor specified in the GHG emissions accounting, reporting, and disclosure system administered by Japan's Ministry of the Environment.
- *22 VOC emissions based on the emission standards of the Air Pollution Control Act, which is a regulatory law of Japan, are zero.
- *23 Until FY2022 results, calculated using 9.97 (GJ/thousand kWh) as the primary energy equivalent of electricity. From FY2023 results, calculated using 8.64 (GJ/thousand kWh) as the primary energy equivalent of electricity.
- *24 Figures for FY2020 and earlier show retail electricity. And the total of retail electricity and wholesale electricity is shown since FY2021.
- *25 The scope of data has been expanded to include all consolidated subsidiaries since FY2022 results, and from FY2023, the results has been announced by category.