

Sharp Group Energy consumed

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Electricity(Electricity purchased)(million kWh)	1,419	2,098	1,816	1,876	1,490
Electricity(Renewable energy*)(million kWh)	11	8	10	19	367
City gas(million m3)	62	56	56	56	51
LPG・LNG(tons)	5,809	5,968	5,379	4,973	3,587
Heavy oil, kerosene, gas oil, gasoline(kl)	1,425	1,892	1,887	1,630	1,650
Hot water, cold water, steam(TJ)	235	859	727	732	422

* Amount of solar power generated; amount of green power certificates purchased

Greenhouse gas emissions from the Sharp Group

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
CO2 emissions from energy sources(Thousand tons CO2)	839	1070	940	1019	682
PFCs*emissions(Thousand tons CO2)	112	295	185	156	138
Total emissions(Thousand tons CO2)	951	1365	1125	1175	820

* HFCs, PFCs, sulfur hexafluoride (SF6), nitrogen trifluoride (NF3)

Scope 1 (direct GHG emissions from business activities)

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Emissions(Thousand tons CO2)	270	442	331	290	260

Scope 2 (indirect GHG emissions from energy usage in business activities)

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Emissions(Thousand tons CO2)	681	923	794	885	560

Scope 3 (indirect GHG emissions from outside the scope of business activities)

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Emissions(Thousand tons CO2)	34,096	32,392	29,864	23,168	22,533

Total per scope

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Total of Scope 1 and Scope 2(Thousand tons CO2)	951	1,365	1,125	1,175	820
Scope 1 + 2 +3 total(Thousand tons CO2)	35,047	33,757	30,989	24,343	23,353

Status of Greenhouse Gas Emission Reduction

Scope	Base Year(Fiscal 2021)	Fiscal 2024	Base Year Comparison
Total of Scope 1 and Scope 2(Thousand tons CO2)	1,365	820	-39.9%
Scope 3(Thousand tons CO2)	32,392	22,533	-30.4%

Energy and Greenhouse Gas by sites (Fiscal 2024)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Energy consumed (TJ)	Greenhouse gas emissions (t-CO ₂)		
			Scope 1 ^{*1}	Scope 2 ^{*2}	Scope 1 and Scope 2
Sharp Manufacturing Company of America	America	35.0	1	1,192	1,193
Sharp Manufacturing Company of UK	Europe	8.6	151	157	308
Sharp Manufacturing France S.A.	Europe	12.4	132	53	185
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	35.3	711	1,436	2,147
Nanjing Sharp Electronics Co., Ltd.	China	170.2	0	11,233	11,233
Shanghai Sharp Electronics Co., Ltd.	China	108.2	210	7,263	7,473
Sharp Office Equipments (Changshu) Co., Ltd.	China	51.5	87	2,552	2,639
Wuxi Sharp Electronic Components Co., Ltd.	China	621.2	0	33,661	33,661
Dynabook Technology (Hangzhou) Inc.	China	90.7	50	5,494	5,544
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3.6	0	243	243
P. T. Sharp Electronics Indonesia	Asia	171.6	474	16,867	17,341
P. T. Sharp Semiconductor Indonesia	Asia	63.4	7	6,378	6,385
Sharp Appliances (Thailand) Ltd.	Asia	318.4	1,363	15,986	17,349
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	18.6	10	1,028	1,038
Sharp (Phils.) Corporation	Asia	9.7	5	771	776
SAIGON STEC CO.,LTD	Asia	679.0	171	0	171
SHARP Manufacturing Vietnam CO.,LTD.	Asia	184.8	196	5,534	5,730
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	127.0	0	8,085	8,085
Sharp North Malaysia Sdn. Bhd.	Asia	40.8	23	2,572	2,595
Kameyama	Japan	5,335.6	171,362	50,966	222,328
Mie	Japan	1,559.9	10,607	69,758	80,365
Tenri	Japan	233.1	2,403	9,032	11,435
Fukuyama	Japan	840.9	28,188	56,538	84,726
Katsuragi	Japan	37.3	86	1,727	1,813
Sakai	Japan	130.5	5	6,331	6,336
Tochigi	Japan	3.2	0	159	159
Nara	Japan	299.6	365	14,187	14,552
Yao	Japan	125.9	357	5,754	6,111
Hiroshima	Japan	38.3	39	2,555	2,594
Kashiwa	Japan	18.2	0	1,328	1,328
Kameyama Kita	Japan	7.3	0	356	356
Makuhari	Japan	45.6	11	3,081	3,092
Sharp Yonago Corporation	Japan	18.8	0	1,291	1,291
Sharp Display Manufacturing Corporation	Japan	52.7	429	2,273	2,702
Hakusan	Japan	1,532.5	11,655	86,074	97,729
Shonan	Japan	16.6	157	666	823
Sharp Display Color Filter Corporation	Japan	573.9	1,003	27,252	28,255
Sakai Display Products Corporation	Japan	2,119.9	29,908	99,890	129,798
合計		15,739.7	260,166	559,723	819,889

*1 Includes non-energy-derived PFC emissions

*2 Market-base

Energy and Greenhouse Gas by sites (Fiscal 2023)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Energy consumed (TJ)	Greenhouse gas emissions (t-CO2)		
			Scope 1 ^{*1}	Scope 2 ^{*2}	Scope 1 and Scope 2
Sharp Manufacturing Company of America	America	29.2	23	927	950
Sharp Manufacturing Company of UK	Europe	8.7	103	155	258
Sharp Manufacturing France S.A.	Europe	11.5	109	50	159
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	118.1	4,456	1,520	5,976
Nanjing Sharp Electronics Co., Ltd.	China	256.4	0	16,936	16,936
Shanghai Sharp Electronics Co., Ltd.	China	140.9	389	9,775	10,164
Sharp Office Equipments (Changshu) Co., Ltd.	China	67.5	107	2,680	2,788
Wuxi Sharp Electronic Components Co., Ltd.	China	763.6	0	39,709	39,709
Pinghu Kantatsu Fine Technology Co., Ltd.	China	41.2	10	2,614	2,624
Dynabook Technology (Hangzhou) Inc.	China	86.1	43	6,453	6,496
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3.2	0	225	225
P. T. Sharp Electronics Indonesia	Asia	159.9	666	15,647	16,314
P. T. Sharp Semiconductor Indonesia	Asia	81.6	7	8,205	8,212
Sharp Appliances (Thailand) Ltd.	Asia	351.5	1,253	16,307	17,560
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	15.6	10	829	839
Sharp (Phils.) Corporation	Asia	9.7	6	785	791
SAIGON STEC CO.,LTD	Asia	782.8	150	37,444	37,594
SHARP Manufacturing Vietnam CO.,LTD.	Asia	185.4	84	11,971	12,055
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	135.3	0	8,615	8,615
Sharp North Malaysia Sdn. Bhd.	Asia	122.1	49	7,723	7,772
Kameyama	Japan	5,296.5	153,980	143,351	297,331
Mie	Japan	2,418.3	18,380	117,643	136,022
Tenri	Japan	247.4	2,621	9,554	12,174
Fukuyama	Japan	820.5	29,929	40,621	70,550
Katsuragi	Japan	46.1	59	2,261	2,320
Sakai	Japan	322.2	357	16,059	16,416
Tochigi	Japan	8.3	0	371	371
Nara	Japan	284.3	349	13,933	14,282
Yao	Japan	126.5	339	5,980	6,319
Hiroshima	Japan	37.0	41	1,811	1,852
Kashiwa	Japan	18.2	0	1,178	1,178
Kameyama Kita	Japan	7.9	0	421	421
Makuhari	Japan	44.6	9	2,759	2,768
Sharp Yonago Corporation	Japan	23.3	0	1,173	1,173
Sharp Display Manufacturing Corporation	Japan	48.6	415	2,270	2,685
Fukushima	Japan	5.7	0	309	309
Hakusan	Japan	1,440.5	9,398	84,082	93,480
Shonan	Japan	18.3	164	663	827
Sharp Display Color Filter Corporation	Japan	570.4	925	29,583	30,508
Sakai Display Products Corporation	Japan	4,596.2	65,281	222,850	288,131
合計		19,751.1	289,710	885,445	1,175,156

*1 Includes non-energy-derived PFC emissions

*2 Market-base

Energy and Greenhouse Gas by sites (Fiscal 2022)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Energy consumed (TJ)	Greenhouse gas emissions (t-CO ₂)		
			Scope 1 ^{*1}	Scope 2 ^{*2}	Scope 1 and Scope 2
Sharp Manufacturing Company of America	America	40.8	1	1,083	1,084
Sharp Manufacturing Company of UK	Europe	10.8	45	220	265
Sharp Manufacturing France S.A.	Europe	14.1	126	56	182
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	40.7	658	1,948	2,606
Nanjing Sharp Electronics Co., Ltd.	China	253.6	7	14,424	14,431
Shanghai Sharp Electronics Co., Ltd.	China	179.6	453	10,893	11,346
Sharp Office Equipments (Changshu) Co., Ltd.	China	77.7	105	4,323	4,428
Wuxi Sharp Electronic Components Co., Ltd.	China	949.2	0	61,509	61,509
Pinghu Kantatsu Fine Technology Co., Ltd.	China	75.9	23	4,000	4,023
Dynabook Technology (Hangzhou) Inc.	China	96.9	41	6,418	6,459
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	4.2	0	261	261
P. T. Sharp Electronics Indonesia	Asia	136.2	464	10,019	10,483
P. T. Sharp Semiconductor Indonesia	Asia	72.0	7	5,488	5,495
Sharp Appliances (Thailand) Ltd.	Asia	461.3	1,583	20,594	22,177
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	13.9	7	661	668
Sharp (Phils.) Corporation	Asia	12.5	7	866	873
SAIGON STEC CO.,LTD	Asia	967.7	374	43,697	44,071
SHARP Manufacturing Vietnam CO.,LTD.	Asia	149.2	68	6,727	6,795
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	162.0	0	10,712	10,712
Sharp North Malaysia Sdn. Bhd.	Asia	153.0	59	10,292	10,351
Kameyama	Japan	5,857.0	188,266	139,795	328,061
Mie	Japan	2,905.2	19,950	107,421	127,371
Tenri	Japan	271.8	3,038	7,513	10,551
Fukuyama	Japan	882.2	27,068	40,909	67,977
Katsuragi	Japan	52.8	90	1,789	1,879
Sakai	Japan	380.4	320	12,876	13,196
Tochigi	Japan	20.6	22	910	932
Nara	Japan	341.3	344	12,263	12,607
Yao	Japan	146.9	368	4,900	5,268
Hiroshima	Japan	48.7	47	2,178	2,225
Kashiwa	Japan	19.8	0	973	973
Kameyama Kita	Japan	7.9	0	315	315
Makuhari	Japan	48.9	10	2,363	2,373
Sharp Yonago Corporation	Japan	27.9	0	1,229	1,229
Sharp Display Manufacturing Corporation	Japan	54.5	420	1,950	2,370
Fukushima	Japan	18.3	0	917	917
Hakusan	Japan	1,540.5	7,809	76,498	84,307
Shonan	Japan	21.8	205	810	1,015
Sharp Display Color Filter Corporation	Japan	658.2	901	25,836	26,737
Sakai Display Products Corporation	Japan	4,086.5	78,045	138,630	216,675
合計		21,262.5	330,931	794,266	1,125,197

*1 Includes non-energy-derived PFC emissions

*2 Market-base

Energy and Greenhouse Gas by sites (Fiscal 2021)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Energy consumed (TJ)	Greenhouse gas emissions (t-CO ₂)		
			Scope 1 ^{*1}	Scope 2 ^{*2}	Scope 1 and Scope 2
Sharp Manufacturing Company of America	America	38.4	1	1,364	1,365
Sharp Manufacturing Company of UK	Europe	11.0	60	218	278
Sharp Manufacturing France S.A.	Europe	15.3	175	57	232
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	49.5	828	2,328	3,156
Nanjing Sharp Electronics Co., Ltd.	China	389.7	9	23,165	23,174
Shanghai Sharp Electronics Co., Ltd.	China	196.1	575	11,963	12,538
Sharp Office Equipments (Changshu) Co., Ltd.	China	75.6	84	4,575	4,659
Wuxi Sharp Electronic Components Co., Ltd.	China	1,044.8	0	66,836	66,836
Pinghu Kantatsu Fine Technology Co., Ltd.	China	123.8	33	7,083	7,116
Lianyungang Kantatsu Fine Technology Co., Ltd.	China	41.1	47	2,470	2,517
Dynabook Technology (Hangzhou) Inc.	China	109.7	49	7,204	7,253
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	5.0	0	305	305
P. T. Sharp Electronics Indonesia	Asia	130.5	416	9,574	9,990
P. T. Sharp Semiconductor Indonesia	Asia	86.8	7	6,618	6,625
Sharp Appliances (Thailand) Ltd.	Asia	481.8	1,630	22,132	23,762
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	14.3	6	681	687
Sharp (Phils.) Corporation	Asia	13.3	7	925	932
SAIGON STEC CO.,LTD	Asia	904.4	288	40,886	41,174
SHARP Manufacturing Vietnam CO.,LTD.	Asia	130.5	27	5,907	5,934
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	110.9	0	7,329	7,329
S & O Electronics (Malaysia) Sdn. Bhd.	Asia	132.5	58	8,908	8,966
Kameyama	Japan	6,037.4	192,212	145,073	337,285
Mie	Japan	3,279.5	23,629	118,931	142,560
Tenri	Japan	282.8	3,278	8,473	11,751
Fukuyama	Japan	910.3	33,853	35,710	69,563
Katsuragi	Japan	55.0	84	2,079	2,163
Sakai	Japan	377.8	316	14,520	14,836
Tochigi	Japan	20.9	22	924	946
Nara	Japan	382.6	509	14,548	15,057
Yao	Japan	145.4	384	5,371	5,755
Hiroshima	Japan	53.2	50	2,016	2,066
Kashiwa	Japan	19.0	0	704	704
Kameyama Kita	Japan	13.6	0	530	530
Yao Atobe	Japan	2.7	0	106	106
Makuhari	Japan	50.9	7	2,681	2,688
Hirano	Japan	10.1	0	389	389
Sharp Yonago Corporation	Japan	29.8	0	1,182	1,182
Sharp Display Manufacturing Corporation	Japan	52.4	401	1,833	2,234
Fukushima	Japan	32.3	5	1,166	1,171
Hakusan	Japan	1,976.4	18,521	93,129	111,650
Shonan	Japan	22.6	213	815	1,028
Sharp Display Color Filter Corporation	Japan	667.2	1,009	25,582	26,591
Sakai Display Products Corporation	Japan	5,643.3	163,291	216,937	380,228
合計		24,170.2	442,084	923,227	1,365,311

*1 Includes non-energy-derived PFC emissions

*2 Market-base

Energy and Greenhouse Gas by sites (Fiscal 2020)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Energy consumed (TJ)	Greenhouse gas emissions (t-CO ₂)		
			Scope 1 ^{*1}	Scope 2 ^{*2}	Scope 1 and Scope 2
Sharp Manufacturing Company of America	America	35.6	1	1,217	1,218
Sharp Manufacturing Company of UK	Europe	10.5	50	0	50
Sharp Manufacturing France S.A.	Europe	15.4	128	0	128
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	55.6	1,109	2,362	3,471
Nanjing Sharp Electronics Co., Ltd.	China	440.6	12	26,098	26,110
Shanghai Sharp Electronics Co., Ltd.	China	207.9	652	12,727	13,379
Sharp Office Equipments (Changshu) Co., Ltd.	China	65.0	77	3,930	4,007
Wuxi Sharp Electronic Components Co., Ltd.	China	1,070.9	0	68,881	68,881
Pinghu Kantatsu Fine Technology Co., Ltd.	China	354.9	71	21,442	21,513
Lianyungang Kantatsu Fine Technology Co., Ltd.	China	351.9	545	20,982	21,527
Dynabook Technology (Hangzhou) Inc.	China	116.4	51	7,670	7,721
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	5.5	0	336	336
P. T. Sharp Electronics Indonesia	Asia	128.7	453	9,478	9,931
P. T. Sharp Semiconductor Indonesia	Asia	96.3	7	7,344	7,351
Sharp Appliances (Thailand) Ltd.	Asia	473.2	1,715	21,641	23,356
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	16.9	8	806	814
Sharp (Phils.) Corporation	Asia	11.7	5	814	819
SAIGON STEC CO.,LTD	Asia	879.4	207	39,792	39,999
SHARP Manufacturing Vietnam CO.,LTD.	Asia	124.2	14	5,629	5,643
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	113.1	0	7,477	7,477
S & O Electronics (Malaysia) Sdn. Bhd.	Asia	119.1	50	8,001	8,051
Kameyama	Japan	6,063.0	201,698	148,623	350,321
Mie	Japan	3,220.9	23,738	130,725	154,463
Tenri	Japan	284.2	3,171	9,669	12,840
Fukuyama	Japan	860.6	28,913	31,896	60,809
Katsuragi	Japan	57.1	59	2,449	2,508
Sakai	Japan	510.9	102	22,108	22,210
Tochigi	Japan	21.3	0	940	940
Nara	Japan	319.6	498	13,589	14,087
Yao	Japan	134.1	397	5,484	5,881
Hiroshima	Japan	53.7	55	1,908	1,963
Kashiwa	Japan	15.9	0	833	833
Kameyama Kita	Japan	18.4	0	807	807
Yao Atobe	Japan	7.7	19	318	337
Makuhari	Japan	50.4	8	2,580	2,588
Hirano	Japan	16.5	55	665	720
Sharp Yonago Corporation	Japan	21.9	0	823	823
Sharp Display Manufacturing Corporation	Japan	56.8	423	2,240	2,663
Fukushima	Japan	53.8	12	1,765	1,777
Hakusan	Japan	736.0	5,545	36,805	42,350
Shonan	Japan	9.6	135	308	443
合計		17,205.2	269,983	681,162	951,145

^{*1} Includes non-energy-derived PFC emissions^{*2} Market-base

Sharp Group volume of new water used and water recycling rate

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Volume of New Water Used(Million m ³)	9	10.8	10.2	9.2	8.8
Water Recycling Rate(%)	65	72	68	72	67

Water Used and Drainage by Region (Fiscal 2024)

Region	Water withdrawal						Effluent					Amount consumed ^{*2}	Amount recycled
	Third-party water ^{*1}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total		
Japan	6,224,211	537,391	0	0	0	6,761,602	3,379,046	308,744	1,456,881	0	5,144,671	1,616,931	17,391,150
Asia	776,679	10,401	0	0	0	787,080	31,454	415,808	0	0	447,262	339,818	211,484
China	1,216,448	0	0	0	0	1,216,448	0	981,229	0	0	981,229	235,219	176,987
America	171	0	0	0	0	171	0	171	0	0	171	0	0
Europe	7,763	0	0	0	0	7,763	0	7,418	0	0	7,418	345	0
Total	8,225,272	547,792	0	0	0	8,773,064	3,410,500	1,713,370	1,456,881	0	6,580,751	2,192,313	17,779,621

^{*1} Industrial-use water and tap water^{*2} Water consumption = Water withdrawal – Effluent

Water Used and Drainage by Region (Fiscal 2023)

Region	Water withdrawal						Effluent					Amount consumed ^{*2}	Amount recycled
	Third-party water ^{*1}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total		
Japan	6,418,515	471,264	0	0	0	6,889,779	3,282,356	319,924	1,640,054	0	5,242,334	1,647,445	23,883,461
Asia	789,451	10,026	0	0	0	799,477	26,322	443,932	0	0	470,254	329,223	211,328
China	1,498,850	29,883	0	0	0	1,528,733	0	1,138,475	0	0	1,138,475	390,258	213,450
America	17,863	0	0	0	0	17,863	0	17,863	0	0	17,863	0	0
Europe	7,459	0	0	0	0	7,459	0	6,891	0	0	6,891	568	0
Total	8,732,138	511,173	0	0	0	9,243,311	3,308,678	1,927,085	1,640,054	0	6,875,817	2,367,494	24,308,239

^{*1} Industrial-use water and tap water^{*2} Water consumption = Water withdrawal – Effluent

Water Used and Drainage by Region (Fiscal 2022)

Region	Water withdrawal						Effluent					Amount consumed ^{*2}	Amount recycled
	Third-party water ^{*1}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total		
Japan	7,018,688	757,353	0	0	0	7,776,041	3,800,411	343,123	1,990,662	0	6,134,196	1,641,845	21,063,228
Asia	974,903	14,854	0	0	0	989,757	36,561	532,347	0	0	568,908	420,849	115,310
China	1,362,880	29,883	0	0	0	1,392,763	0	1,133,171	0	0	1,133,171	259,592	207,197
America	12,301	0	0	0	0	12,301	0	12,301	0	0	12,301	0	0
Europe	8,401	0	0	0	0	8,401	0	8,160	0	0	8,160	241	0
Total	9,377,173	802,090	0	0	0	10,179,263	3,836,972	2,029,102	1,990,662	0	7,856,736	2,322,527	21,385,735

^{*1} Industrial-use water and tap water^{*2} Water consumption = Water withdrawal – Effluent

Water Used and Drainage by Region (Fiscal 2021)

Region	Water withdrawal						Effluent					Amount consumed ^{*2}	Amount recycled
	Third-party water ^{*1}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total		
Japan	7,415,385	769,214	0	0	0	8,184,599	4,236,896	355,499	1,822,598	0	6,414,993	1,769,606	27,311,348
Asia	937,043	13,254	0	0	0	950,297	112,598	505,440	0	0	618,038	332,259	95,800
China	1,632,688	4,583	0	0	0	1,637,271	0	1,353,038	0	0	1,353,038	284,233	279,588
America	5,296	0	0	0	0	5,296	0	5,296	0	0	5,296	0	0
Europe	9,415	0	0	0	0	9,415	0	9,224	0	0	9,224	191	0
Total	9,999,827	787,051	0	0	0	10,786,878	4,349,494	2,228,497	1,822,598	0	8,400,589	2,386,289	27,686,736

^{*1} Industrial-use water and tap water^{*2} Water consumption = Water withdrawal – Effluent

Water Used and Drainage by Region (Fiscal 2020)

Region	Water withdrawal						Effluent					Amount consumed ^{*2}	Amount recycled
	Third-party water ^{*1}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total		
Japan	5,491,912	380,676	0	0	0	5,872,588	2,081,920	369,769	1,651,372	0	4,103,061	1,769,527	16,077,933
Asia	941,473	12,408	0	0	0	953,881	120,257	518,710	0	0	638,967	314,914	103,251
China	2,110,125	7,886	0	0	0	2,118,011	0	1,763,719	0	0	1,763,719	354,292	137,683
America	11,945	0	0	0	0	11,945	0	11,945	0	0	11,945	0	0
Europe	7,818	0	0	0	0	7,818	0	7,623	0	0	7,623	195	0
Total	8,563,273	400,970	0	0	0	8,964,243	2,202,177	2,671,766	1,651,372	0	6,525,315	2,438,928	16,318,867

^{*1} Industrial-use water and tap water^{*2} Water consumption = Water withdrawal – Effluent

Water Used and Drainage by sites (Fiscal 2024)

(m3)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Water Stress Rank ^{*1}	Water withdrawal						Effluent				
			Third-party water ^{*2}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total
Sharp Manufacturing Company of America	America	1	171	0	0	0	0	171	0	171	0	0	171
Sharp Manufacturing Company of UK	Europe	2	1,884	0	0	0	0	1,884	0	1,884	0	0	1,884
Sharp Manufacturing France S.A.	Europe	2	1,037	0	0	0	0	1,037	0	1,037	0	0	1,037
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	2	4,842	0	0	0	0	4,842	0	4,497	0	0	4,497
Nanjing Sharp Electronics Co., Ltd.	China	3	329,139	0	0	0	0	329,139	0	276,847	0	0	276,847
Shanghai Sharp Electronics Co., Ltd.	China	4	70,874	0	0	0	0	70,874	0	63,787	0	0	63,787
Sharp Office Equipments (Changshu) Co., Ltd.	China	3	71,664	0	0	0	0	71,664	0	71,664	0	0	71,664
Wuxi Sharp Electronic Components Co., Ltd.	China	3	693,107	0	0	0	0	693,107	0	527,928	0	0	527,928
Dynabook Technology (Hangzhou) Inc.	China	2	49,817	0	0	0	0	49,817	0	39,156	0	0	39,156
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3	1,847	0	0	0	0	1,847	0	1,847	0	0	1,847
P. T. Sharp Electronics Indonesia	Asia	4	98,070	0	0	0	0	98,070	0	73,547	0	0	73,547
P. T. Sharp Semiconductor Indonesia	Asia	4	25,902	0	0	0	0	25,902	0	0	0	0	0
Sharp Appliances (Thailand) Ltd.	Asia	5	142,601	0	0	0	0	142,601	14,460	0	0	0	14,460
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	5	15,079	0	0	0	0	15,079	15,079	0	0	0	15,079
Sharp (Phils.) Corporation	Asia	4	0	10,026	0	0	0	10,026	1,832	0	0	0	1,832
SAIGON STEC CO.,LTD	Asia	4	202,274	0	0	0	0	202,274	0	161,819	0	0	161,819
SHARP Manufacturing Vietnam CO.,LTD.	Asia	4	193,546	0	0	0	0	193,546	0	159,117	0	0	159,117
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	2	47,162	0	0	0	0	47,162	83	0	0	0	83
Sharp North Malaysia Sdn. Bhd.	Asia	2	52,045	375	0	0	0	52,420	0	21,325	0	0	21,325
Kameyama	Japan	3	1,414,225	0	0	0	0	1,414,225	322,933	0	0	0	322,933
Mie	Japan	3	377,951	0	0	0	0	377,951	190,879	10,511	0	0	201,390
Tenri	Japan	3	103,507	0	0	0	0	103,507	8,561	75,430	0	0	83,991
Fukuyama	Japan	3	1,555,221	0	0	0	0	1,555,221	0	0	1,456,881	0	1,456,881
Katsuragi	Japan	3	10,699	0	0	0	0	10,699	0	3,666	0	0	3,666
Sakai	Japan	3	11,520	0	0	0	0	11,520	0	10,323	0	0	10,323
Nara	Japan	3	38,621	84,336	0	0	0	122,957	0	96,348	0	0	96,348
Yao	Japan	3	64,362	0	0	0	0	64,362	0	45,033	0	0	45,033
Hiroshima	Japan	3	12,618	640	0	0	0	13,258	0	13,253	0	0	13,253
Kashiwa	Japan	4	3,798	0	0	0	0	3,798	0	3,798	0	0	3,798
Kameyama Kita	Japan	3	1,877	0	0	0	0	1,877	0	0	0	0	0
Makuhari	Japan	4	20,313	0	0	0	0	20,313	0	20,236	0	0	20,236
Sharp Yonago Corporation	Japan	3	21,739	0	0	0	0	21,739	21,739	0	0	0	21,739
Sharp Display Manufacturing Corporation	Japan	3	61,841	0	0	0	0	61,841	61,841	0	0	0	61,841
Hakusan	Japan	3	2,325,481	452,415	0	0	0	2,777,896	2,682,316	8,051	0	0	2,690,367
Shonan	Japan	4	10,574	0	0	0	0	10,574	0	9,093	0	0	9,093
Sharp Display Color Filter Corporation	Japan	3	90,777	0	0	0	0	90,777	90,777	0	0	0	90,777
Sakai Display Products Corporation	Japan	3	99,087	0	0	0	0	99,087	0	13,002	0	0	13,002

^{*1} Under Aqueduct, each region is assigned a water stress score. There are five levels, from rank 1 (low risk) to rank 5 (high risk).

^{*2} Industrial-use water and tap water

Water Used and Drainage by sites (Fiscal 2023)

(m3)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Water Stress Rank ^{*1}	Water withdrawal						Effluent				
			Third-party water ^{*2}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total
Sharp Manufacturing Company of America	America	1	17,863	0	0	0	0	17,863	17,863	0	0	0	17,863
Sharp Manufacturing Company of UK	Europe	2	2,042	0	0	0	0	2,042	0	2,042	0	0	2,042
Sharp Manufacturing France S.A.	Europe	2	1,040	0	0	0	0	1,040	1,040	0	0	0	1,040
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	2	4,377	0	0	0	0	4,377	3,809	0	0	0	3,809
Nanjing Sharp Electronics Co., Ltd.	China	3	418,417	0	0	0	0	418,417	351,939	0	0	0	351,939
Shanghai Sharp Electronics Co., Ltd.	China	4	75,474	0	0	0	0	75,474	67,927	0	0	0	67,927
Sharp Office Equipments (Changshu) Co., Ltd.	China	3	66,600	0	0	0	0	66,600	66,600	0	0	0	66,600
Wuxi Sharp Electronic Components Co., Ltd.	China	3	860,794	0	0	0	0	860,794	554,050	0	0	0	554,050
Pinghu Kantatsu Fine Technology Co., Ltd.	China	4	30,000	29,883	0	0	0	59,883	0	60,167	0	0	60,167
Dynabook Technology (Hangzhou) Inc.	China	2	45,670	0	0	0	0	45,670	35,897	0	0	0	35,897
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3	1,895	0	0	0	0	1,895	1,895	0	0	0	1,895
P. T. Sharp Electronics Indonesia	Asia	4	81,113	0	0	0	0	81,113	60,830	0	0	0	60,830
P. T. Sharp Semiconductor Indonesia	Asia	4	22,767	0	0	0	0	22,767	22,767	0	0	0	22,767
Sharp Appliances (Thailand) Ltd.	Asia	5	148,242	0	0	0	0	148,242	0	0	11,942	0	11,942
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	5	12,062	0	0	0	0	12,062	0	0	12,062	0	12,062
Sharp (Phils.) Corporation	Asia	4	0	9,814	0	0	0	9,814	0	0	2,235	0	2,235
SAIGON STEC CO.,LTD	Asia	4	242,712	0	0	0	0	242,712	194,170	0	0	0	194,170
SHARP Manufacturing Vietnam CO.,LTD.	Asia	4	153,929	0	0	0	0	153,929	103,743	40,783	0	0	144,526
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	2	54,861	0	0	0	0	54,861	0	0	83	0	83
Sharp North Malaysia Sdn. Bhd.	Asia	2	73,765	212	0	0	0	73,977	21,639	0	0	0	21,639
Kameyama	Japan	3	1,430,967	0	0	0	0	1,430,967	0	0	360,741	0	360,741
Mie	Japan	3	488,434	0	0	0	0	488,434	0	11,848	218,898	0	230,746
Tenri	Japan	3	96,653	7,362	0	0	0	104,015	14,782	59,115	7,854	0	81,751
Fukuyama	Japan	3	1,659,987	0	0	0	0	1,659,987	0	0	0	1,640,054	1,640,054
Katsuragi	Japan	3	14,133	0	0	0	0	14,133	522	3,648	0	0	4,170
Sakai	Japan	3	21,425	0	0	0	0	21,425	9,405	9,672	0	0	19,077
Tochigi	Japan	3	2,954	40,365	0	0	0	43,319	0	5,064	38,255	0	43,319
Nara	Japan	3	33,175	71,233	0	0	0	104,408	91,319	0	0	0	91,319
Yao	Japan	3	65,511	0	0	0	0	65,511	910	38,885	0	0	39,795
Hiroshima	Japan	3	12,834	472	0	0	0	13,306	0	13,306	0	0	13,306
Kashiwa	Japan	4	3,867	0	0	0	0	3,867	0	3,867	0	0	3,867
Kameyama Kita	Japan	3	1,815	0	0	0	0	1,815	0	0	0	0	0
Makuhari	Japan	4	19,774	0	0	0	0	19,774	0	19,682	0	0	19,682
Sharp Yonago Corporation	Japan	3	43,813	0	0	0	0	43,813	0	0	42,468	0	42,468
Sharp Display Manufacturing Corporation	Japan	3	47,594	0	0	0	0	47,594	0	0	47,594	0	47,594
Fukushima	Japan	3	0	16,060	0	0	0	16,060	0	0	0	0	0
Hakusan	Japan	3	2,221,400	335,772	0	0	0	2,557,172	8,464	0	2,479,329	0	2,487,793
Shonan	Japan	4	11,875	0	0	0	0	11,875	0	10,197	0	0	10,197
Sharp Display Color Filter Corporation	Japan	3	88,778	0	0	0	0	88,778	0	0	87,217	0	87,217
Sakai Display Products Corporation	Japan	3	153,526	0	0	0	0	153,526	10,136	9,102	0	0	19,238

^{*1} Under Aqueduct, each region is assigned a water stress score. There are five levels, from rank 1 (low risk) to rank 5 (high risk).

^{*2} Industrial-use water and tap water

Water Used and Drainage by sites (Fiscal 2022)

(m3)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Water Stress Rank ^{*1}	Water withdrawal						Effluent				
			Third-party water ^{*2}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total
Sharp Manufacturing Company of America	America	1	12,301	0	0	0	0	12,301	12,301	0	0	0	12,301
Sharp Manufacturing Company of UK	Europe	2	2,300	0	0	0	0	2,300	2,300	0	0	0	2,300
Sharp Manufacturing France S.A.	Europe	2	1,383	0	0	0	0	1,383	1,383	0	0	0	1,383
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	2	4,718	0	0	0	0	4,718	4,477	0	0	0	4,477
Nanjing Sharp Electronics Co., Ltd.	China	3	314,386	0	0	0	0	314,386	267,235	0	0	0	267,235
Shanghai Sharp Electronics Co., Ltd.	China	4	93,689	0	0	0	0	93,689	84,320	0	0	0	84,320
Sharp Office Equipments (Changshu) Co., Ltd.	China	3	82,327	0	0	0	0	82,327	82,327	0	0	0	82,327
Wuxi Sharp Electronic Components Co., Ltd.	China	3	798,168	0	0	0	0	798,168	603,902	0	0	0	603,902
Pinghu Kantatsu Fine Technology Co., Ltd.	China	4	30,000	29,883	0	0	0	59,883	60,167	0	0	0	60,167
Dynabook Technology (Hangzhou) Inc.	China	2	42,477	0	0	0	0	42,477	33,387	0	0	0	33,387
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3	1,833	0	0	0	0	1,833	1,833	0	0	0	1,833
P. T. Sharp Electronics Indonesia	Asia	4	90,292	0	0	0	0	90,292	67,358	0	0	0	67,358
P. T. Sharp Semiconductor Indonesia	Asia	4	16,878	0	0	0	0	16,878	16,878	0	0	0	16,878
Sharp Appliances (Thailand) Ltd.	Asia	5	196,892	0	0	0	0	196,892	0	24,022	0	0	24,022
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	5	10,148	0	0	0	0	10,148	0	10,148	0	0	10,148
Sharp (Phils.) Corporation	Asia	4	0	14,521	0	0	0	14,521	0	2,310	0	0	2,310
SAIGON STEC CO.,LTD	Asia	4	457,885	0	0	0	0	457,885	366,308	0	0	0	366,308
SHARP Manufacturing Vietnam CO.,LTD.	Asia	4	72,128	0	0	0	0	72,128	58,864	0	0	0	58,864
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	2	57,537	0	0	0	0	57,537	0	81	0	0	81
Sharp North Malaysia Sdn. Bhd.	Asia	2	73,143	333	0	0	0	73,476	22,939	0	0	0	22,939
Kameyama	Japan	3	1,475,155	0	0	0	0	1,475,155	0	413,748	0	0	413,748
Mie	Japan	3	555,471	0	0	0	0	555,471	10,385	243,279	0	0	253,664
Tenri	Japan	3	95,502	36,339	0	0	0	131,841	79,531	7,283	0	0	86,814
Fukuyama	Japan	3	2,043,164	0	0	0	0	2,043,164	0	0	1,990,662	0	1,990,662
Katsuragi	Japan	3	10,763	0	0	0	0	10,763	3,455	0	0	0	3,455
Sakai	Japan	3	20,151	0	0	0	0	20,151	18,842	0	0	0	18,842
Tochigi	Japan	3	1,759	55,258	0	0	0	57,017	8,347	48,491	0	0	56,838
Nara	Japan	3	39,588	83,448	0	0	0	123,036	98,348	0	0	0	98,348
Yao	Japan	3	62,965	0	0	0	0	62,965	52,719	0	0	0	52,719
Hiroshima	Japan	3	13,261	969	0	0	0	14,230	14,229	0	0	0	14,229
Kashiwa	Japan	4	3,932	0	0	0	0	3,932	3,932	0	0	0	3,932
Kameyama Kita	Japan	3	2,223	0	0	0	0	2,223	0	0	0	0	0
Makuhari	Japan	4	19,520	0	0	0	0	19,520	19,527	0	0	0	19,527
Sharp Yonago Corporation	Japan	3	40,166	0	0	0	0	40,166	0	37,413	0	0	37,413
Sharp Display Manufacturing Corporation	Japan	3	42,313	0	0	0	0	42,313	0	42,313	0	0	42,313
Fukushima	Japan	3	0	29,196	0	0	0	29,196	0	29,196	0	0	29,196
Hakusan	Japan	3	2,362,978	552,143	0	0	0	2,915,121	8,099	2,883,636	0	0	2,891,735
Shonan	Japan	4	12,966	0	0	0	0	12,966	11,176	0	0	0	11,176
Sharp Display Color Filter Corporation	Japan	3	95,052	0	0	0	0	95,052	0	95,052	0	0	95,052
Sakai Display Products Corporation	Japan	3	121,759	0	0	0	0	121,759	14,533	0	0	0	14,533

^{*1} Under Aqueduct, each region is assigned a water stress score. There are five levels, from rank 1 (low risk) to rank 5 (high risk).

^{*2} Industrial-use water and tap water

Water Used and Drainage by sites (Fiscal 2021)

(m3)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Water Stress Rank ^{*1}	Water withdrawal						Effluent				
			Third-party water ^{*2}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total
Sharp Manufacturing Company of America	America	1	5,296	0	0	0	0	5,296	0	5,296	0	0	5,296
Sharp Manufacturing Company of UK	Europe	2	2,214	0	0	0	0	2,214	0	2,214	0	0	2,214
Sharp Manufacturing France S.A.	Europe	2	1,427	0	0	0	0	1,427	0	1,427	0	0	1,427
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	2	5,774	0	0	0	0	5,774	0	5,583	0	0	5,583
Nanjing Sharp Electronics Co., Ltd.	China	3	425,052	0	0	0	0	425,052	0	357,520	0	0	357,520
Shanghai Sharp Electronics Co., Ltd.	China	4	101,907	0	0	0	0	101,907	0	91,716	0	0	91,716
Sharp Office Equipments (Changshu) Co., Ltd.	China	3	69,134	0	0	0	0	69,134	0	69,134	0	0	69,134
Wuxi Sharp Electronic Components Co., Ltd.	China	3	885,389	0	0	0	0	885,389	0	701,034	0	0	701,034
Pinghu Kantatsu Fine Technology Co., Ltd.	China	4	89,868	4,583	0	0	0	94,451	0	94,451	0	0	94,451
Lianyungang Kantatsu Fine Technology Co., Ltd.	China	5	16,004	0	0	0	0	16,004	0	3,189	0	0	3,189
Dynabook Technology (Hangzhou) Inc.	China	2	43,649	0	0	0	0	43,649	0	34,309	0	0	34,309
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3	1,685	0	0	0	0	1,685	0	1,685	0	0	1,685
P. T. Sharp Electronics Indonesia	Asia	4	84,336	0	0	0	0	84,336	0	63,247	0	0	63,247
P. T. Sharp Semiconductor Indonesia	Asia	4	22,837	0	0	0	0	22,837	0	22,837	0	0	22,837
Sharp Appliances (Thailand) Ltd.	Asia	5	222,557	0	0	0	0	222,557	65,741	0	0	0	65,741
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	5	9,648	0	0	0	0	9,648	9,648	0	0	0	9,648
Sharp (Phils.) Corporation	Asia	4	0	13,108	0	0	0	13,108	3,677	0	0	0	3,677
SAIGON STEC CO.,LTD	Asia	4	434,973	0	0	0	0	434,973	0	350,022	0	0	350,022
SHARP Manufacturing Vietnam CO.,LTD.	Asia	4	60,172	0	0	0	0	60,172	0	48,138	0	0	48,138
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	2	33,532	0	0	0	0	33,532	33,532	0	0	0	33,532
S & O Electronics (Malaysia) Sdn. Bhd.	Asia	2	68,988	146	0	0	0	69,134	0	21,196	0	0	21,196
Kameyama	Japan	3	1,427,216	0	0	0	0	1,427,216	447,763	0	0	0	447,763
Mie	Japan	3	663,174	0	0	0	0	663,174	309,227	11,740	0	0	320,967
Tenri	Japan	3	125,842	58,260	0	0	0	184,102	17,895	79,227	0	0	97,122
Fukuyama	Japan	3	1,865,024	0	0	0	0	1,865,024	0	0	1,822,598	0	1,822,598
Katsuragi	Japan	3	9,802	0	0	0	0	9,802	0	3,658	0	0	3,658
Sakai	Japan	3	73,271	0	0	0	0	73,271	0	25,674	0	0	25,674
Tochigi	Japan	3	2,216	70,500	0	0	0	72,716	71,503	1,213	0	0	72,716
Nara	Japan	3	36,062	94,510	0	0	0	130,572	0	105,152	0	0	105,152
Yao	Japan	3	56,297	0	0	0	0	56,297	0	44,487	0	0	44,487
Hiroshima	Japan	3	14,053	1,073	0	0	0	15,126	0	15,126	0	0	15,126
Kashiwa	Japan	4	3,310	0	0	0	0	3,310	0	3,310	0	0	3,310
Kameyama Kita	Japan	3	3,732	0	0	0	0	3,732	0	0	0	0	0
Yao Atobe	Japan	3	1,436	0	0	0	0	1,436	0	1,436	0	0	1,436
Makuhari	Japan	4	18,902	0	0	0	0	18,902	0	18,805	0	0	18,805
Hirano	Japan	3	6,555	0	0	0	0	6,555	0	6,555	0	0	6,555
Sharp Yonago Corporation	Japan	3	49,161	0	0	0	0	49,161	46,494	0	0	0	46,494
Sharp Display Manufacturing Corporation	Japan	3	39,821	0	0	0	0	39,821	39,821	0	0	0	39,821
Fukushima	Japan	3	271	23,678	0	0	0	23,949	23,949	0	0	0	23,949
Hakusan	Japan	3	2,734,641	521,193	0	0	0	3,255,834	3,181,406	8,106	0	0	3,189,512
Shonan	Japan	3	13,206	0	0	0	0	13,206	0	11,622	0	0	11,622
Sharp Display Color Filter Corporation	Japan	3	98,838	0	0	0	0	98,838	98,838	0	0	0	98,838
Sakai Display Products Corporation	Japan	3	172,555	0	0	0	0	172,555	0	19,388	0	0	19,388

^{*1} Under Aqueduct, each region is assigned a water stress score. There are five levels, from rank 1 (low risk) to rank 5 (high risk).

^{*2} Industrial-use water and tap water

Water Used and Drainage by sites (Fiscal 2020)

(m3)

Sharp Corporation production sites and production bases in Japan and overseas	Region	Water Stress Rank ^{*1}	Water withdrawal						Effluent				
			Third-party water ^{*2}	Groundwater	Surface water	Seawater	Produced water	Total	Surface water	Sewerage	Seawater	Groundwater	Total
Sharp Manufacturing Company of America	America	1	11,945	0	0	0	0	11,945	0	11,945	0	0	11,945
Sharp Manufacturing Company of UK	Europe	2	1,746	0	0	0	0	1,746	0	1,746	0	0	1,746
Sharp Manufacturing France S.A.	Europe	2	1,319	0	0	0	0	1,319	0	1,319	0	0	1,319
SHARP Consumer Electronics Poland Sp. z o.o.	Europe	2	4,753	0	0	0	0	4,753	0	4,558	0	0	4,558
Nanjing Sharp Electronics Co., Ltd.	China	3	535,850	0	0	0	0	535,850	0	450,716	0	0	450,716
Shanghai Sharp Electronics Co., Ltd.	China	4	106,204	0	0	0	0	106,204	0	95,584	0	0	95,584
Sharp Office Equipments (Changshu) Co., Ltd.	China	3	76,172	0	0	0	0	76,172	0	76,172	0	0	76,172
Wuxi Sharp Electronic Components Co., Ltd.	China	3	1,088,934	0	0	0	0	1,088,934	0	952,300	0	0	952,300
Pinghu Kantatsu Fine Technology Co., Ltd.	China	4	133,950	7,886	0	0	0	141,836	0	141,836	0	0	141,836
Lianyungang Kantatsu Fine Technology Co., Ltd.	China	5	119,322	0	0	0	0	119,322	0	7,800	0	0	7,800
Dynabook Technology (Hangzhou) Inc.	China	2	48,506	0	0	0	0	48,506	0	38,124	0	0	38,124
Sharp Electronics Research & Development (Nanjing) Co., Ltd.	China	3	1,187	0	0	0	0	1,187	0	1,187	0	0	1,187
P. T. Sharp Electronics Indonesia	Asia	4	84,551	0	0	0	0	84,551	0	62,682	0	0	62,682
P. T. Sharp Semiconductor Indonesia	Asia	4	23,160	0	0	0	0	23,160	0	23,160	0	0	23,160
Sharp Appliances (Thailand) Ltd.	Asia	5	214,579	0	0	0	0	214,579	68,920	0	0	0	68,920
Sharp Manufacturing (Thailand) Co., Ltd.	Asia	5	11,368	0	0	0	0	11,368	11,368	0	0	0	11,368
Sharp (Phils.) Corporation	Asia	4	0	12,408	0	0	0	12,408	4,538	0	0	0	4,538
SAIGON STEC CO.,LTD	Asia	4	439,666	0	0	0	0	439,666	0	351,733	0	0	351,733
SHARP Manufacturing Vietnam CO.,LTD.	Asia	4	72,388	0	0	0	0	72,388	0	57,910	0	0	57,910
Sharp Manufacturing Corporation (M) Sdn. Bhd.	Asia	2	35,431	0	0	0	0	35,431	35,431	0	0	0	35,431
S & O Electronics (Malaysia) Sdn. Bhd.	Asia	2	60,330	0	0	0	0	60,330	0	23,225	0	0	23,225
Kameyama	Japan	3	1,622,629	0	0	0	0	1,622,629	441,693	0	0	0	441,693
Mie	Japan	3	692,613	0	0	0	0	692,613	326,705	12,008	0	0	338,713
Tenri	Japan	3	121,354	63,974	0	0	0	185,328	12,812	118,063	0	0	130,875
Fukuyama	Japan	3	1,699,320	0	0	0	0	1,699,320	0	0	1,651,372	0	1,651,372
Katsuragi	Japan	3	11,738	0	0	0	0	11,738	0	5,330	0	0	5,330
Sakai	Japan	3	90,849	0	0	0	0	90,849	0	30,047	0	0	30,047
Tochigi	Japan	3	1,957	63,839	0	0	0	65,796	59,698	6,098	0	0	65,796
Nara	Japan	3	38,101	85,404	0	0	0	123,505	0	95,683	0	0	95,683
Yao	Japan	3	54,277	495	0	0	0	54,772	0	43,415	0	0	43,415
Hiroshima	Japan	3	17,939	1,043	0	0	0	18,982	0	18,982	0	0	18,982
Kashiwa	Japan	4	2,345	0	0	0	0	2,345	0	2,345	0	0	2,345
Kameyama Kita	Japan	3	4,187	0	0	0	0	4,187	0	0	0	0	0
Yao Atobe	Japan	3	1,931	0	0	0	0	1,931	0	1,931	0	0	1,931
Makuhari	Japan	4	17,896	0	0	0	0	17,896	0	18,148	0	0	18,148
Hirano	Japan	3	9,998	0	0	0	0	9,998	0	9,998	0	0	9,998
Sharp Yonago Corporation	Japan	3	42,021	0	0	0	0	42,021	41,110	0	0	0	41,110
Sharp Display Manufacturing Corporation	Japan	3	42,709	0	0	0	0	42,709	42,709	0	0	0	42,709
Fukushima	Japan	3	550	7,349	0	0	0	7,899	7,899	0	0	0	7,899
Hakusan	Japan	3	1,014,701	158,572	0	0	0	1,173,273	1,149,294	3,089	0	0	1,152,383
Shonan	Japan	3	4,797	0	0	0	0	4,797	0	4,632	0	0	4,632

^{*1} Under Aqueduct, each region is assigned a water stress score. There are five levels, from rank 1 (low risk) to rank 5 (high risk).

^{*2} Industrial-use water and tap water

Sharp Group amount of Waste, etc and final landfill disposal rate

Year		Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Amount of Waste, etc	Amount of hazardous waste*(Thousand tons)	38	86	32	33	28.7
	Amount of non-hazardous waste(Thousand tons)	28	31	54	62	46.3
	Total(Thousand tons)	67	117	86	95	75
Final Landfill Disposal Rate (%)		0.6	0.3	0.4	0.5	0.3

* Hazardous waste is defined as specially controlled industrial waste under the Waste Management and Public Cleansing Act in Japan, and as hazardous waste as stipulated by the local laws and regulations of each country overseas. Hazardous waste for the period up to fiscal 2021 includes waste oil, waste acid, waste alkali, and scrap metal other than specially controlled and regulations of each country overseas. Hazardous waste for the period up to fiscal 2021 includes waste oil, waste acid, waste alkali, and scrap metal other than specially controlled industrial waste.

Amount recycled

Year		Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Emissions(Thousand tons)		58	73	62	61	57

Volatile Organic Compounds (VOCs)Emissions

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Emissions (tons)	134	74	73	63	67

PRTR Data for Japan (Fiscal 2024)											(kg)
PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed	
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled		
1	Zinc compounds(water-soluble)	1,683	0	0	0	0	1,436	0	247	0	
20	2-Aminoethanol	979,764	695	0	0	0	30,159	0	845,775	103,135	
44	Indium and its compounds	22,272	0	0	0	0	3,873	2324	16,075	0	
80	Xylene	3,840	19	0	0	0	0	0	0	3821	
83	Cumene	560	0	0	0	0	10	0	550	0	
135	2-methoxyethyl acetate	104,000	625	0	0	0	0	0	80,790	22,585	
232	N, N-dimethylformamide	30,774	0	0	0	0	0	0	0	30,774	
272	Copper salts (water-soluble, except complex salts)	57,413	0	0	0	0	44074	11024	1,450	865	
343	Pyrocatechol (also called catechol)	2,585	0	0	0	0	2,585	0	0	0	
374	Hydrogen fluoride and its water-soluble salts	619,677	1932	0	0	378	356,340	0	35,101	225,926	
401	1,2,4-benzenetricarboxylic 1,2-anhydride	1,636	0	0	0	0	495	856	285	0	
405	Boron compounds	4,536	21	0	0	0	4,091	73	351	0	
412	Manganese and its compounds	20,595	0	0	0	0	442	20153	0	0	
438	Methylnaphthalene	9,868	45	0	0	0	0	9,823	0	0	
453	Molybdenum and its compounds	12,190	0	0	0	0	3,274	366	8,550	0	
594	Ethylene glycol monobutyl ether	16,910	1381	0	0	0	4,847	0	86	10596	
627	Diethylene glycol monobutyl ether	1,329,410	1983	0	0	0	1909	0	759495	566,023	
665	Cerium and its compounds	977	0	0	0	0	977	0	0	0	
674	Tetrahydrofuran	6,075	469	0	0	0	1,506	0	0	4,100	
677	Tetramethylammonium hydroxide	1,943,430	202	0	0	0	326,547	0	1,370,031	246,650	
691	Trimethylbenzene	23,183	37	0	0	0	269	0	15554	7,323	
746	N-Methyl-2-pyrrolidone	124,198	2595	0	0	0	8,836	0	85,193	27,574	
751	2-(2-Methoxyethoxy)ethanol	4,498,117	923	0	0	0	6,382	0	2,882,296	1,608,516	
752	1-Methoxy-2-(2-methoxyethoxy)ethane	14,901	0	0	0	0	11,533	1,828	1,540	0	
Total		9,828,594	10,927	0	0	378	809,585	46,447	6,103,369	2,857,888	

Overseas PRTR Data (Fiscal 2024)											(kg)
PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed	
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled		
82	Silver and its water-soluble compounds	1,057	0	0	0	0	155	902	0	0	
300	Toluene	7,933	7933	0	0	0	0	0	0	0	
591	Ethylcyclohexane	585	410	0	0	0	175	0	0	0	
392	N-hexane	50,314	50,314	0	0	0	0	0	0	0	
448	Methylenebis(4,1-phenylene) diisocyanate	1,488,652	0	0	0	0	28,190	1,460,462	0	0	
Total		1,548,541	58,657	0	0	0	28,520	1,461,364	0	0	

PRTR Data for Japan (Fiscal 2023)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
20	2-Aminoethanol	2,002,848	909	0	0	0	28,776	0	1725578	247585
44	Indium and its compounds	37,912	0	0	0	0	4,922	5264	27,726	0
80	Xylene	3,552	18	0	0	0	0	0	0	3534
83	Cumene	537	0	0	0	0	0	0	510	27
135	2-methoxyethyl acetate	104,000	664	0	0	0	0	0	78,126	25,210
232	N, N-dimethylformamide	26,082	0	0	0	0	0	0	0	26,082
272	Copper salts (water-soluble, except complex salts)	81,796	0	0	0	0	71028	8815	1,160	793
343	Pyrocatechol (also called catechol)	1,793	0	0	0	0	1,793	0	0	0
374	Hydrogen fluoride and its water-soluble salts	806,820	7182	0	0	1075	383,863	0	35,311	379,389
401	1,2,4-benzenetricarboxylic 1,2-anhydride	773	0	0	0	0	62	711	0	0
405	Boron compounds	5,886	32	0	0	0	5,499	62	293	0
412	Manganese and its compounds	23,141	0	0	0	0	550	22591	0	0
438	Methylnaphthalene	10,271	47	0	0	0	0	10,224	0	0
453	Molybdenum and its compounds	15,828	0	0	0	0	4,273	475	11,080	0
594	Ethylene glycol monobutyl ether	39,921	1833	0	0	0	16,924	0	40	21124
627	Diethylene glycol monobutyl ether	1,196,185	2327	0	0	0	10457	0	646022	537,379
665	Cerium and its compounds	830	0	0	0	0	830	0	0	0
674	Tetrahydrofuran	5,561	700	0	0	0	1,470	0	0	3,391
677	Tetramethylammonium hydroxide	3,968,845	1585	0	0	0	289,768	0	2,420,539	1,256,953
691	Trimethylbenzene	19,987	24	0	0	0	763	0	14488	4,712
746	N-Methyl-2-pyrrolidone	142,988	3668	0	0	0	27,868	0	73,789	37,663
751	2-(2-Methoxyethoxy)ethanol	5,347,707	1596	0	0	0	25,826	0	2,819,825	2,500,460
752	1-Methoxy-2-(2-methoxyethoxy)ethane	10,175	0	0	0	0	814	9,361	0	0
Total		13,853,438	20,585	0	0	1,075	875,486	57,503	7,854,487	5,044,302

Overseas PRTR Data (Fiscal 2023)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
82	Silver and its water-soluble compounds	1,057	0	0	0	0	155	902	0	0
300	Toluene	3,467	3467	0	0	0	0	0	0	0
591	Ethylcyclohexane	1,437	1,222	0	0	0	215	0	0	0
392	N-hexane	36,874	36,874	0	0	0	0	0	0	0
448	Methylenebis(4,1-phenylene) diisocyanate	1,628,870	0	0	0	0	37,990	1,590,880	0	0
Total		1,671,705	41,563	0	0	0	38,360	1,591,782	0	0

PRTR Data for Japan (Fiscal 2022)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
1	Zinc compounds (water-soluble)	1,728	0	0	0	0	1,629	0	99	0
20	2-Aminoethanol	2,312,109	1,053	0	0	0	46,511	0	1,975,126	289,419
44	Indium and its compounds	30,240	0	0	0	0	5,843	2,840	21,557	0
71	Ferric chloride	70,147	0	0	0	0	2,126	0	14,089	53,932
80	Xylene	3,966	20	0	0	0	0	0	0	3,946
135	2-methoxyethyl acetate	109,000	718	0	0	0	0	0	82,700	25,582
232	N, N-dimethylformamide	21,942	0	0	0	0	0	0	0	21,942
272	Copper salts (water-soluble, except complex salts)	40,213	0	0	0	0	37,955	0	0	2,258
296	1,2,4-trimethylbenzene	18,450	23	0	0	0	693	0	13,160	4,574
297	1,3,5-trimethylbenzene	3,304	0	0	0	0	165	0	3,139	0
343	Pyrocatechol (also called catechol)	1,474	0	0	0	0	1,474	0	0	0
374	Hydrogen fluoride and its water-soluble salts	672,955	2,165	0	0	440	432,767	0	46,213	191,370
401	1,2,4-benzenetricarboxylic 1,2-anhydride	2,179	0	0	0	0	174	2,005	0	0
405	Boron compounds	4,363	29	0	0	0	3,990	57	287	0
412	Manganese and its compounds	18,733	0	0	0	0	147	18,586	0	0
438	Methylnaphthalene	11,669	53	0	0	0	0	1,635	0	9,981
453	Molybdenum and its compounds	11,563	29	0	0	0	3,089	347	8,098	0
Total		3,334,035	4,090	0	0	440	536,563	25,470	2,164,468	603,004

Overseas PRTR Data (Fiscal 2022)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
71	Ferric chloride	2,909	0	0	0	0	0	2,909	0	0
82	Silver and its water-soluble compounds	1,223	0	0	0	0	171	1,052	0	0
300	Toluene	8,513	8,513	0	0	0	0	0	0	0
392	N-hexane	40,315	40,315	0	0	0	0	0	0	0
448	Methylenebis(4,1-phenylene) diisocyanate	2,220,350	0	0	0	0	44,585	2,175,765	0	0
Total		2,273,310	48,828	0	0	0	44,756	2,179,726	0	0

PRTR Data for Japan (Fiscal 2021)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
1	Zinc compounds (water-soluble)	1,037	0	0	0	0	929	0	108	0
20	2-Aminoethanol	2,757,145	982	0	0	0	120,122	52	2,168,218	467,771
44	Indium and its compounds	48,034	0	0	0	0	6,813	7336	33,885	0
71	Ferric chloride	58,672	0	0	0	0	1782	0	35,498	21,392
80	Xylene	3,840	19	0	0	0	0	3,821	0	0
82	Silver and its water-soluble compounds	527	0	0	0	0	142	16	369	0
135	2-methoxyethyl acetate	289,000	730	0	0	0	0	0	236,350	51,920
232	N, N-dimethylformamide	29,187	0	0	0	0	0	0	0	29,187
272	Copper salts (water-soluble, except complex salts)	105,747	0	0	0	0	90,326	12,886	1,696	839
296	1,2,4-trimethylbenzene	19,621	26	0	0	0	725	5,094	13,776	0
297	1,3,5-trimethylbenzene	3,458	0	0	0	0	173	0	3,285	0
343	Pyrocatechol (also called catechol)	1,749	0	0	0	0	1,749	0	0	0
374	Hydrogen fluoride and its water-soluble salts	986,036	3,539	0	0	878	587,505	0	59,199	334,915
401	1,2,4-benzenetricarboxylic 1,2-anhydride	3,146	0	0	0	0	223	2,923	0	0
405	Boron compounds	9,239	23	0	0	0	8,298	78	840	0
412	Manganese and its compounds	17,844	0	0	0	0	515	17,329	0	0
438	Methylnaphthalene	11,096	50	0	0	0	0	11,046	0	0
453	Molybdenum and its compounds	21,474	0	0	0	0	5,286	644	15,544	0
Total		4,366,852	5,369	0	0	878	824,588	61,225	2,568,768	906,024

Overseas PRTR Data (Fiscal 2021)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
31	Antimony and its compounds	814	0	0	0	0	8	542	264	0
71	Ferric chloride	2,919	0	0	0	0	0	2,919	0	0
82	Silver and its water-soluble compounds	835	0	0	0	0	117	718	0	0
104	Chlorodifluoromethane (also called HCFC-22)	950	3	0	0	0	0	947	0	0
291	1,3,5-tris (2,3-epoxypropyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione	1,457	0	0	0	0	15	970	472	0
300	Toluene	8,561	8,561	0	0	0	0	0	0	0
392	N-hexane	30,022	30,022	0	0	0	0	0	0	0
413	Phthalic anhydride	971	0	0	0	0	10	646	315	0
448	Methylenebis(4,1-phenylene) diisocyanate	2,593,140	0	0	0	0	37,860	2,555,280	0	0
Total		2,639,669	38,586	0	0	0	38,010	2,562,022	1,051	0

PRTR Data for Japan (Fiscal 2020)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
1	Zinc water-soluble compounds	921	0	0	0	0	852	0	69	0
20	2-Aminoethanol	2,349,197	1,033	0	0	0	109,091	0	1,968,220	270,853
44	Indium and its compounds	11,734	0	0	0	0	3,168	353	8,213	0
71	Ferric chloride	52,620	0	0	0	0	0	0	37,828	14,792
135	2-methoxyethyl acetate	41,000	787	0	0	0	0	0	30,880	9,333
232	N, N-dimethyl formamide	22,287	0	0	0	0	0	0	0	22,287
272	Copper salts (water-soluble, except complex salts)	34,759	0	0	0	0	19,077	13,209	1,738	735
343	Pyrocatechol (also called catechol)	1,771	0	0	0	0	1,771	0	0	0
374	Hydrogen fluoride and its water-soluble salts	507,665	1,168	0	0	0	369,705	9,130	81,602	46,060
405	Boron compounds	3,454	24	0	0	0	2,997	88	345	0
412	Manganese and its compounds	16,598	0	0	0	0	220	16,378	0	0
438	Methylnaphthalene	12,810	64	0	0	0	0	12,746	0	0
453	Molybdenum and its compounds	12,850	0	0	0	0	1,943	385	10,522	0
Total		3,067,666	3,076	0	0	0	508,824	52,289	2,139,417	364,060

Overseas PRTR Data (Fiscal 2020)

(kg)

PRTR No.	Chemical	Amount Handled	Amount Discharged			Amount Transferred		Amount Consumed		Amount Removed
			Into Atmosphere	Into Public Water Areas	Into Soil	Into Sewerage	Into Waste, etc.	Contained in Products	Recycled	
31	Antimony and its compounds	2,015	0	0	0	0	20	1,342	653	0
71	Ferric chloride	2,606	0	0	0	0	0	2,606	0	0
82	Silver and its water-soluble compounds	692	0	0	0	0	98	594	0	0
104	Chlorodifluoromethane (also called HCFC-22)	693	2	0	0	0	0	691	0	0
291	1,3,5-tris (2,3-epoxypropyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione	2,071	0	0	0	0	21	1,378	672	0
300	Toluene	3,104	3,104	0	0	0	0	0	0	0
392	N-hexane	9,173	9,173	0	0	0	0	0	0	0
413	Phthalic anhydride	3,403	0	0	0	0	34	2,265	1,104	0
448	Methylenebis(4,1-phenylene) diisocyanate	3,190,758	0	0	0	0	45,270	3,145,488	0	0
Total		3,214,515	12,279	0	0	0	45,443	3,154,364	2,429	0

Percentage of Disabled Employees

Year	2021	2022	2023	2024	2025
Percentage of Disabled Employees (%)	2.46	2.45	2.58	2.56	2.45

Data as of June 1 each year for Sharp Corporation, a Sharp special subsidiary, and group companies.

Number and Percentage of Female Managers

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Number of Female Managers	56	56	56	55	55
Percentage of Female Managers (%)	4.0	4.6	4.9	5.0	4.4

Sharp Corporation. As of March 31 of each fiscal year.

Average age of employees

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Men (age)	—	45.9	45.9	45.9	45.7
Women (age)	—	43.0	43.4	43.3	42.9
Total (age)	—	45.5	45.6	45.5	45.3

Sharp Corporation. As of March 31 of each fiscal year.

Average Years of Service

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Men (Year)	—	23.1	22.7	21.9	21.5
Women (Year)	—	20.4	20.7	19.6	18.9
Total (Year)	—	22.7	22.4	21.6	21.1

Sharp Corporation. As of March 31 of each fiscal year.

Number of employees taking leave for purposes related to childcare (usage rate)

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Men (person·%)	52(34.0)	36(34.0)	88(95.0)	53(84.0)	68(103.0)
Women (person·%)	24(100.0)	20(100.0)	19(105.0)	14(107.0)	17(106.3)
Total (person·%)	74(43.3)	56(44.4)	107(97.0)	67(88.0)	85(103.7)

Sharp Corporation. The usage rate for fiscal 2019 is based on Sharp's two-year childcare leave policy. The usage rate for fiscal 2020 and 2021 was calculated in line with the Basic Survey of Gender Equality in Employment Management of Japan's Ministry of Health, Labour and Welfare. From fiscal 2022, the calculation includes parental leave and paternity leave, in accordance with the standards of the Act on Childcare Leave and Caregiver Leave.

Number of Nursing Care Leave

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Number of acquirers (person)	3	7	5	6	3

Sharp Corporation. As of March 31 of each fiscal year.

Industrial Accident Rates (Frequency Rate of Lost-Worktime Industrial Accidents)

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Frequency Rate (%)	0.37	0.28	0.27	0.36	0.48

Sharp Groups (Japan domestic). Indicator that represents the incidence of industrial accidents per million work hours (one day or more of suspended operations).

Participation rate of e-learning on "ESG-related learning"

Year	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024
Participation rate (%)	—	—	—	—	74.9%