

ESG data

You can view various data of ESG (Environment, Social, and Governance), based on Hamamatsu Photonics's business and social activities.

- Environment				
	Unit	2019	2020	2021
Energy	(kl)	29,162	30,307	[consolidated:35,177] 30,912
Electricity	(kWh)	105,743,565	110,348,662	[consolidated:128,468,749] 113,478,245
Renewable Electricity	(kWh)	6,050,668	7,099,740	[consolidated:11,544,463] 11,544,463
Carbon Emissions	(t-CO ₂)	[consolidated:615,513] 452,839	[consolidated:646,557] 554,398	[consolidated:602,082] 509,884
Scope1 (All Direct Carbon Emissions)	(t-CO ₂)	12,074	11,689	[consolidated:12,599] 11,604
Scope2 (Indirect Carbon Emissions)	(t-CO ₂)	41,931	42,359	[consolidated:46,638] 39,701
Scope3 (Other Indirect Carbon Emissions)	(t-CO ₂)	398,834	500,350	[consolidated:542,845] 458,579
Water	(1,000m ³)	[consolidated:864] 749	[consolidated:825] 730	[consolidated:822] 742
Tap water	(1,000m ³)	105	101	102
Well water	(1,000m ³)	601	585	591
Industrial water	(1,000m ³)	43	44	49
Wastewater	(1,000m ³)	664	706	717
Public sewer	(1,000m ³)	135	138	133
River discharge	(1,000m ³)	529	568	584
VOC emissions	(t)	14.2	13.6	12.9
Materials	(t)	643	626	637
Participants of chemical substance education	(People)	753	499	507
Industrial waste	(t)	541	549	618
Certain hazardous waste	(t)	315	307	404
Valuable material	(t)	293	288	317
Recycling	(t)	1,050	1,077	1,250
Landfill	(t)	6	3	4
Green Purchasing Rate	(%)	96.5	89.6	97.3
ISO14001 certification (employee ratio)	(%)	95.8	98.0	98.1
+ Social				
+ Governance				

(Note) The reporting period is our business year (from October of previous year to September) or the general fiscal year (from April to March of next year).