

Environment

The NYK Group (Includes NYK Headquarters)

GHG Emissions by Scope

(ton-CO₂e)

	Subcategory	FY2021	FY2022	FY2023	Ratio in FY2023 (%)
Scope1	Ships	10,708,996	10,123,951	10,224,932	—
	Aircraft	1,721,397	964,063	1,048,651	—
	Others	248,301	167,029	136,779	—
	Total	12,678,695	11,255,044	11,410,363	76.4
Scope2 - Market basis		45,391	76,255	63,342	0.4
Scope2 - Location basis		49,010	77,710	67,375	—
Scope1+2		12,724,086	11,331,299	11,473,705	—
Scope3	Category 1	1,887,367	1,486,233	1,347,827	—
	Category 2	255,143	197,887	482,457	—
	Category 3	1,730,934	1,552,422	1,585,711	—
	Category 5	16,379	19,827	29,792	—
	Category 6	678	7,404	9,877	—
	Category 7	157	247	183	—
	Total	3,890,661	3,264,023	3,455,848	23.1
Scope1+2+3		16,614,748	14,595,322	14,929,553	—
Emissions from biofuel	Ships	—	—	15,230	—

Note 1: The scope of aggregation includes headquarters and consolidated subsidiaries.

Note 2: CO₂e: CO₂ equivalent

Note 3: GHG emissions data for Scope 1, Scope 2, Scope 3, and biofuel has been verified by a third-party organization. Verification Report (<https://www.nyk.com/english/esg/envi/data/>)

Note 4: Emissions data for Scope 1, Scope 2 is calculated on a market basis.

Note 5: In fiscal 2022, a renewable energy certificate was used to offset the electricity used at the Yokohama Branch and the NYK Maritime Museum (234,641 kWh).

Group's energy consumption (GHG-related)

	Subcategory	Unit	FY2021	FY2022	FY2023	
Scope1	Heavy oil A (MDO)	Tons	30,415	27,219	143,986	
	Heavy oil C	Tons	3,184,649	2,979,644	2,972,183	
	Gas oil (ships)	Tons	159,484	173,779	69,341	
	LNG (ships)	Tons	5,620	14,387	41,530	
	Jet fuel	KL	699,024	391,486	423,584	
	Gasoline	KL	71,860	9,058	3,602	
	Kerosene	KL	52	49	32	
	Diesel	KL	23,285	49,408	41,418	
	LPG	Tons	511	375	2,547	
	Natural gas	m ³	8,624,448	7,460,194	7,834,651	
		Private power generation derived from renewable energies	MWh	—	5,970	8,874
	Scope 2-related	Electricity	MWh	119,880	162,030	146,029
		Electricity derived from renewable energy	MWh	—	—	15,722
Scope 3-related	Waste (office)	Tons	5,679	6,831	10,142	
Biofuel	Ships	Tons	—	—	6,287	

Note: Electricity consumption in Japan is calculated on a market basis. CO₂ emissions volume from electric power consumption for each fiscal year has been calculated using the coefficients for each electricity provider (actual figures for each fiscal year) published by the Ministry of the Environment.

NOx and SOx emissions (from ships)

	Unit	FY2021	FY2022	FY2023
NOx	t	243,726	229,722	238,244
SOx	t	26,970	25,216	24,994

Emissions from offices (other than GHG)

	Unit	FY2021	FY2022	FY2023
Water	m ³	292,510	863,697	339,188
Paper	KG	636,903	1,007,991	1,021,337