

# Environment

## The NYK Group (Includes NYK Headquarters)

### GHG Emissions by Scope

(ton-CO<sub>2</sub>e)

Scope	Subcategory	FY2021(base year)	FY2022	FY2023	FY2024
<b>Scope1</b>	<b>Ships</b>	10,708,996	10,123,951	10,239,136	<b>9,939,832</b>
	<b>Aircraft</b>	1,721,397	964,063	1,048,651	<b>1,091,449</b>
	<b>Others</b>	248,301	167,029	136,779	<b>108,955</b>
	<b>Total</b>	12,678,695	11,255,044	11,424,566	<b>11,140,236</b>
<b>Scope2 - Market basis</b>		45,391	76,255	63,342	<b>82,420</b>
<b>Scope2 - Location basis</b>		49,010	77,710	67,375	<b>89,402</b>
<b>Scope3</b>	<b>Category 1</b>	1,887,367	1,486,233	1,347,827	<b>5,265,086</b>
	<b>Category 2</b>	255,143	197,887	482,457	<b>386,218</b>
	<b>Category 3</b>	1,730,934	1,552,422	1,587,687	<b>2,258,724</b>
	<b>Category 4</b>	—	—	—	<b>1,321,450</b>
	<b>Category 5</b>	16,379	19,827	29,792	<b>30,235</b>
	<b>Category 6</b>	678	7,404	9,877	<b>86,282</b>
	<b>Category 7</b>	157	247	183	<b>2,271</b>
	<b>Category 8</b>	—	—	—	<b>0</b>
	<b>Category 9</b>	—	—	—	<b>49</b>
	<b>Category 10</b>	—	—	—	<b>0</b>
	<b>Category 11</b>	—	—	—	<b>792,906</b>
	<b>Category 12</b>	—	—	—	<b>0</b>
	<b>Category 13</b>	—	—	—	<b>4,798,628</b>
	<b>Category 14</b>	—	—	—	<b>0</b>
	<b>Category 15</b>	—	—	—	<b>5,404,127</b>
	<b>Total</b>	3,890,661	3,264,023	3,457,823	<b>20,345,980</b>
<b>Emissions from biofuels (B100 basis)</b>	<b>Ships</b>	—	—	1,027	<b>37,758</b>
	<b>Land</b>	—	—	—	<b>444</b>

Note 1: The data is gathered from the head office and consolidated subsidiaries. Until fiscal 2023, the Scope 3 data collection targeted only the head office and selected group companies. Beginning fiscal 2024, the scope has been expanded to include all major consolidated subsidiaries and equity method affiliates, and emissions have been collected from all categories of Scope 3. The investigation found that there were no relevant GHG emissions for Scope 3 Categories 8, 10, 12, and 14.

Note 2: t-CO<sub>2</sub>e: tons of CO<sub>2</sub> equivalent. All GHG emissions are converted into carbon dioxide equivalents.

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/sustainability/pdf/environment009en.pdf>)

Note 4: 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).

Note 5: We mainly use bio-blended fuel, which is a mixture of biofuel (B100) and fossil fuel emissions from the biofuel portion are counted as out of scope, while emissions from the fossil fuel portion fall under Scope 1 (tank-to-wake) and Category 3 of Scope 3 (well-to-tank).

GHG emissions related to biofuels for fiscal 2023 have been recalculated using the same methodology as fiscal 2024, and the figures have been accordingly updated.

Note 6: For each fiscal year, CO<sub>2</sub> emissions from electricity usage in Japan are calculated using emission coefficients provided by the electricity provider and published by Japan's Ministry of the Environment, based on the actual data from the previous year.

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### Group's Energy Consumption (GHG-related)

Category	Subcategory	Unit	FY2021	FY2022	FY2023	FY2024
Fossil fuels	Heavy oil A (MDO) - ships	Tons	30,415	27,219	144,025	214,908
	Heavy oil C - ships	Tons	3,184,649	2,979,644	2,976,617	2,850,119
	Gas oil - ships	Tons	159,484	173,779	69,341	6,873
	Jet fuel	KL	699,024	391,486	423,584	440,872
	Gasoline	KL	71,860	9,058	3,602	2,894
	Kerosene	KL	52	49	32	39
	Diesel	KL	23,285	49,408	41,418	32,857
	LPG	Tons	511	375	2,547	1,281
	Natural gas	m³	8,624,448	7,460,194	7,834,651	5,187,515
Alternative fuels	LNG - ships	Tons	5,620	14,387	41,530	63,471
	Ammonia - ships	kg	—	—	—	45,709
	Hydrogen	kg	—	—	—	6,913
Biofuel	Bio diesel (blended fuel basis) - ships	Tons	—	—	6,287	251,017
	Bio diesel (blended fuel basis) - land	KL	—	—	—	12,466
	HVO (blended fuel basis) - land	KL	—	—	—	393
	Bio gas - land	MWh	—	—	—	2,220
Energy prepared from other companies	Electricity	MWh	119,880	162,030	146,029	163,276
	Electricity derived from renewable energy	MWh	—	—	15,722	23,353
	Heat	MWh	2,148	1,422	290	587
	Steam	MWh	1,250	1,150	1,097	1,096
Power generation at land	Private power generation derived from renewable energies	MWh	—	5,970	8,874	16,206
Others	Waste (office)	Tons	5,679	6,831	10,142	11,069

Note: The biofuel represents the activity level based on blended fuel, but the activity level of fossil fuels contained in the biofuel blend is included in the fossil fuel figures as well.