

CO2 emissions of the entire Group, including consolidated subsidiaries

We aim to reduce emissions of carbon dioxide(CO2), a major greenhouse gas, by working to reduce electricity consumptoin to help prevent global warming.

We are working to reduce electricity, gas, and gasoline consumption by optimizing the operating conditions of air conditioners and server systems for heating and cooling, stopping the idling of vehicles, switching to LED lighting, motion sensor, and turning off unnecessary lights in offices.

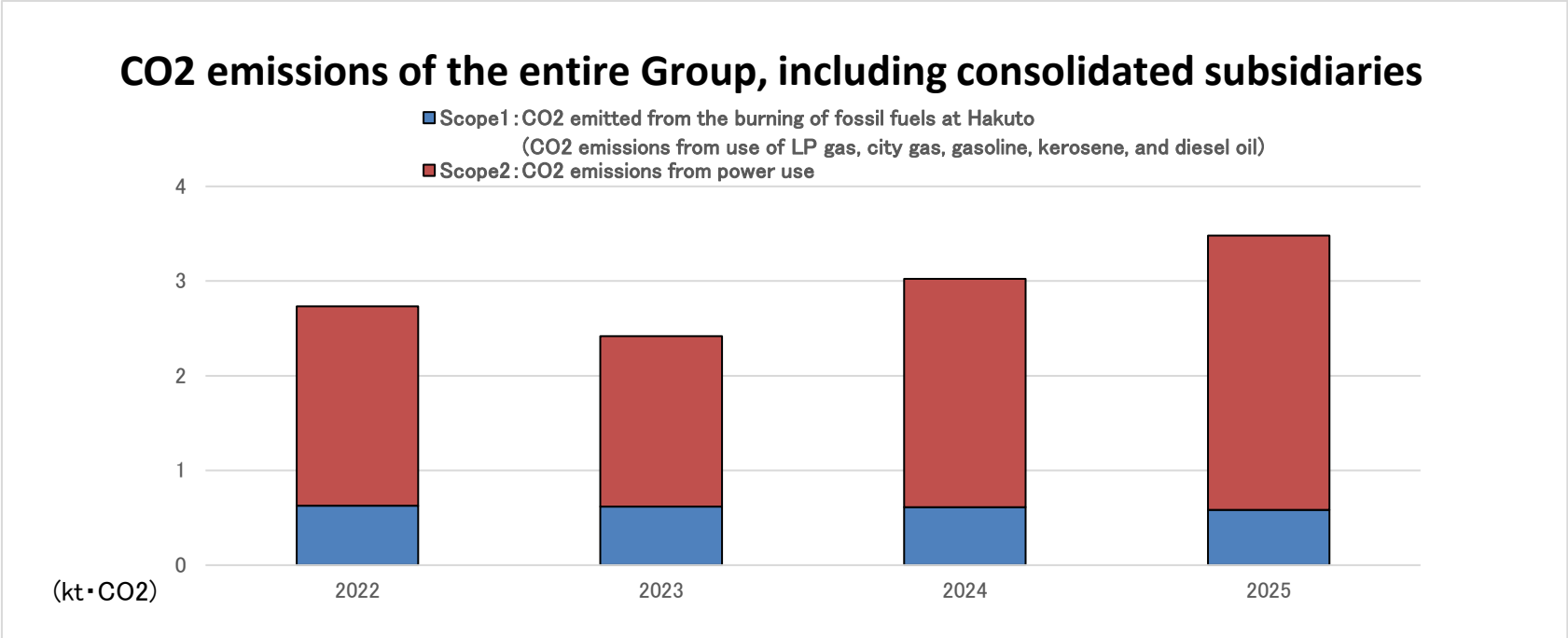
The graph below shows the CO2 emissions of the entire Group, including consolidated subsidiaries.

As part of our information disclosure based on the TCFD recommendations, we have set a target of reducing emissions by 50% by 2030 compared to FY2022 for the entire Group, including consolidated subsidiaries.

CLEARIZE Co., Ltd. has been included in the reporting scope since becoming a subsidiary in fiscal 2024. As a result, fiscal 2025 increased by 28% compared with the base year of fiscal 2022.

CO2 emissions of the entire Group, including consolidated subsidiaries

Vertical bar, left scale : stacked value of electricity gas, and gasoline



Standards for calculation

* From FY2022, Sustana(CO2 calculation system) has been introduced to manage coefficients.

Substances subject to PRTR

Under the PRTR Law (*1), which requires that emissions and transfers of chemical substances be monitored and reported, the Yokkaichi Factory of the Chemical Solution Company, which handles chemical substances, reports the following amounts handled, emitted, transferred, and consumed to the prefectural government.
Reportable substances: [Class 1 designated chemical substances whose annual handling volume is "1 ton or more"], [Specified Class 1 substances whose annual handling volume is "0.5 ton" or more].

*1 Official Name: Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement

Release and transfer of PRTR substances (2025)

Unit : kg

Management number	Substance	Amount handled	Amount transferred to sewer	Amount moved off-site	Amount released into the air	Total
1	Water-soluble compounds of zinc	1,661	1.6	23	0	24.6
4	Acrylic acid and its water-soluble salts	37,026	0	0	0	0.0
20	2-Aminoethanol	15,544	15	220	0	235.0
31	Antimony and its compounds	1,178	0	5.9	0	5.9
53	Ethylbenzene	40,339	0	230	0	230.0
80	Xylene	6,529	0	58	3.7	61.7
210	2,2-Dibromo-2-cyanoacetamide	7,774	4.0	16.0	0	20.0
232	N,N-Dimethylformamide	3,373	3.4	47	0	50.4
302	Naphthalene	11,583	0	78	0	78.0
333	Hydrazine	2,717	2.7	38	0	40.7
395	Water-soluble salt of peroxodisulfuric acid	3,755	3.8	15	0	18.8
566	“Adipic acid, polycondensate of (N-(2-aminoethyl)ethane-1,2-diamine or N,N'-bis(2-aminoethyl)ethane-1,2-diamine) and 2-(chloromethyl)oxirane”	19,028	19	270	0	289.0
577	“Oxirane heavy adduct of Alkane-1-amine (The structure of the alkane is linear, and limited to relevant alkanes with 8, 10, 12, 14, and 16 or 18 carbon atoms as well as compounds of such.), Oxirane heavy adduct of (Z)-octadeca-9-en-1-amine and oxirane polyadduct compound of (9Z,12Z)-octadeca-9,12-dien-1-amine”	4,999	2.3	40	0	42.3

Unit : kg

580	“Alpha-alkyl-omega-hydroxypoly(oxyethylene) (Limited to alkyl groups with 9 to 11 carbon atoms and compounds of such, having a numerical average molecular weight of less than 1,000.)”	9,564	9.6	130	0	139.6
594	Ethylene glycol monobutyl ether	89,881	0	450	0	450.0
595	Ethylenediaminetetraacetic acid and its potassium and sodium salts	79441	5.6	79	0	84.6
627	Diethylene glycol monobutyl ether	47,396	47	660	0	707.0
691	Trimethylbenzene	45,944	0	250	3.9	253.9
708	(1-Hydroxyethane-1,1-diyl)diphosphonic acid and its potassium and sodium salts	70,693	70	990	0	1060.0
725	Hexahydro-1,3,5-tris(2-hydroxyethyl)-1,3,5- triazine	21,276	0.1	1.8	0	1.9

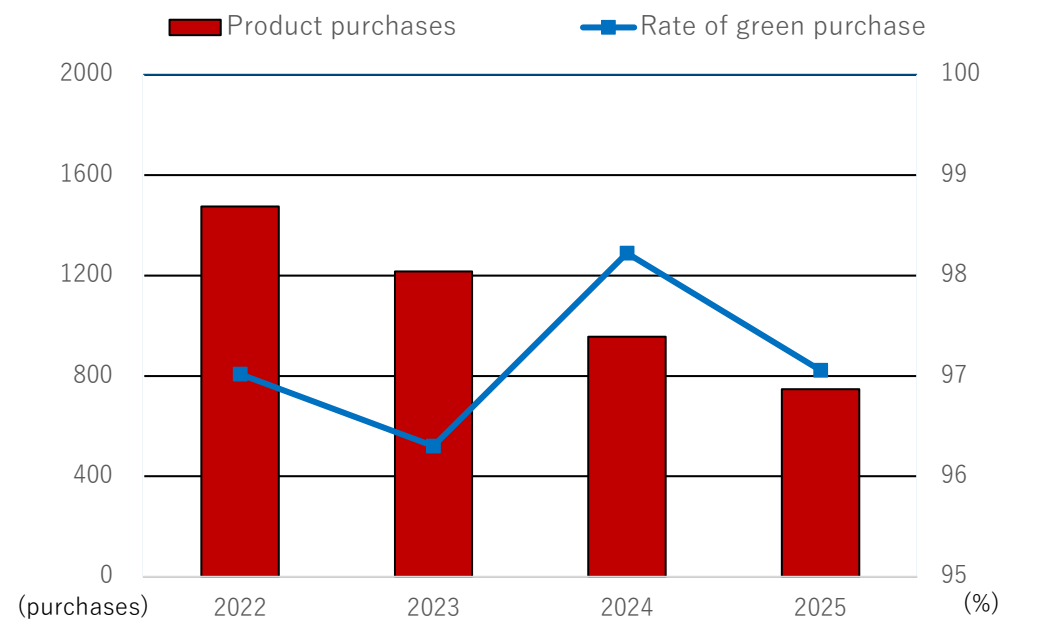
Reportable substances: [Class 1 designated chemical substances whose annual handling volume is "1 ton or more"],
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Green purchasing

Amount of green products for office supplies

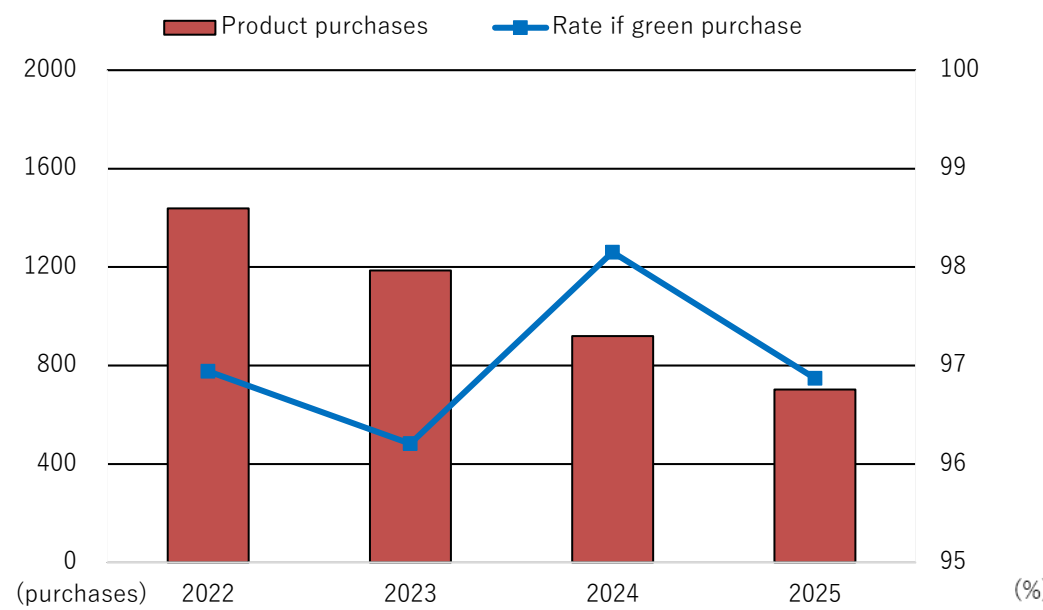
Including domestic Group companies

Amount of green products purchased for office supplies (including domestic Group companies)



Vertical bar, left scale : Number of green purchases, Line graph, right scale : Green purchasing rate
Hakuto Non-consolidated

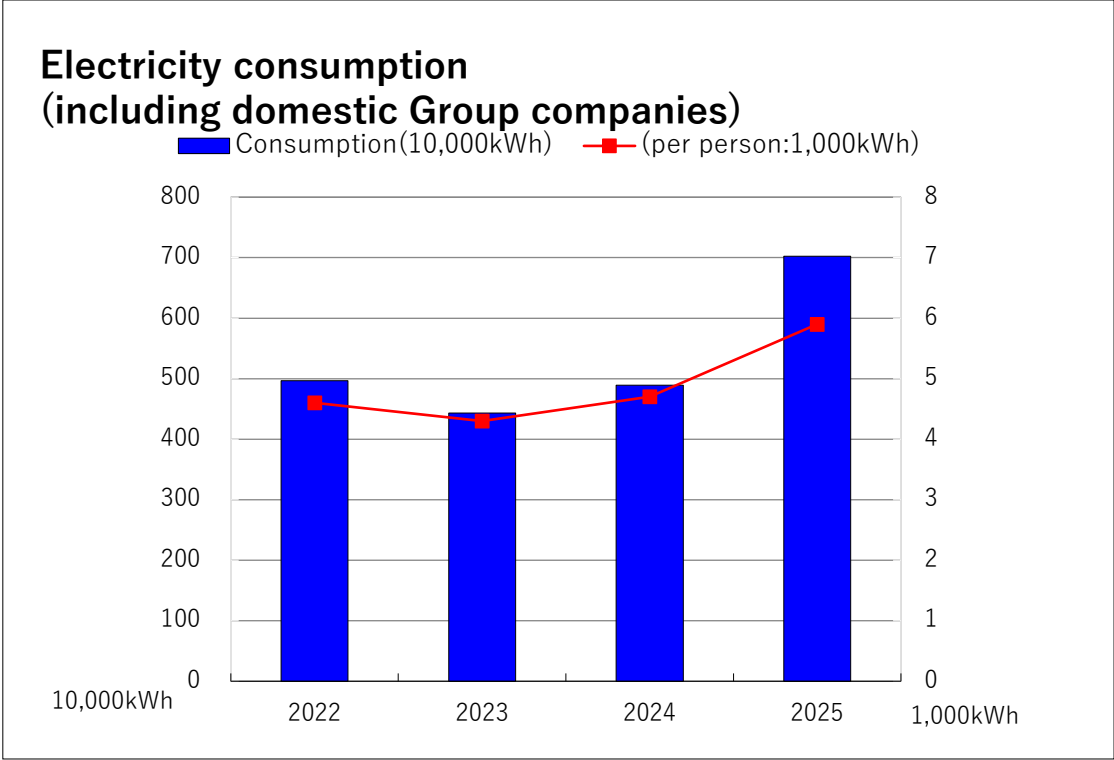
Amount of green products purchased for office supplies (Hakuto non-consolidated)



Energy

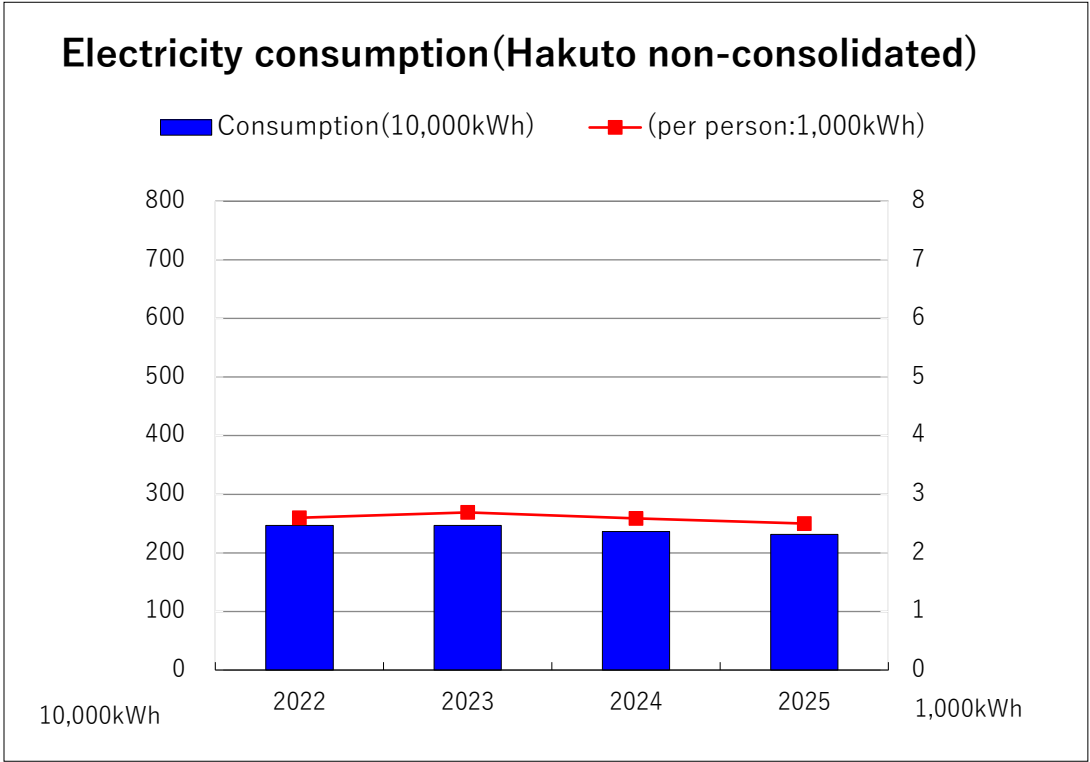
Amount of electricity used

Including domestic Group companies



Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee

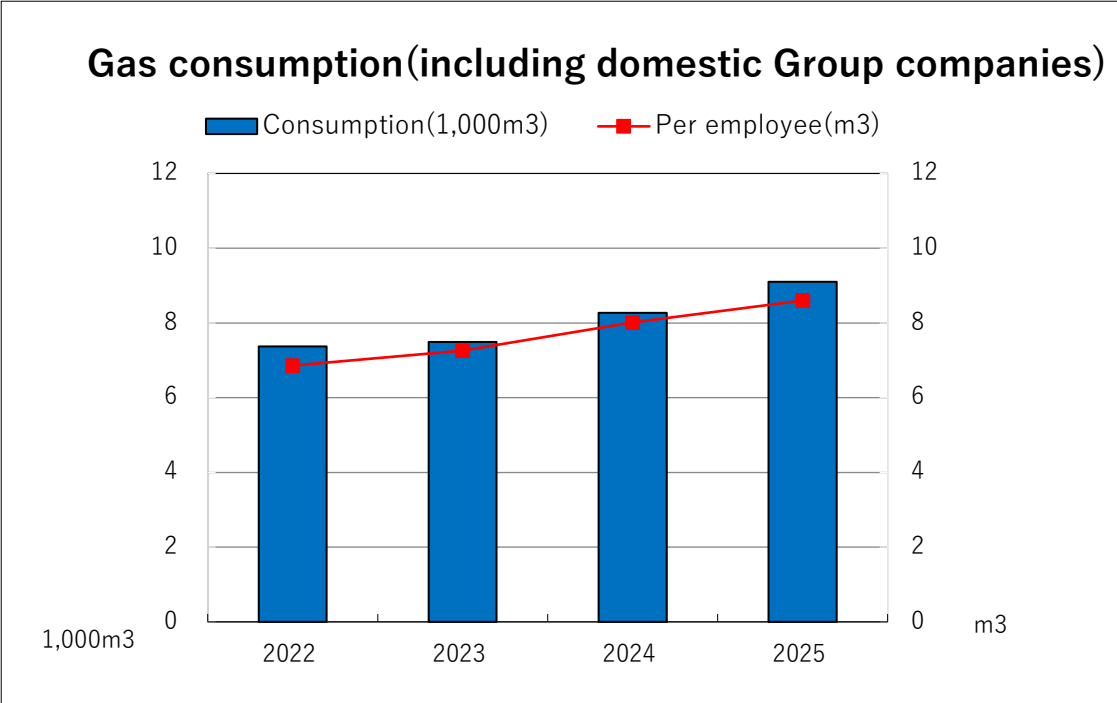
Hakuto Non-consolidated



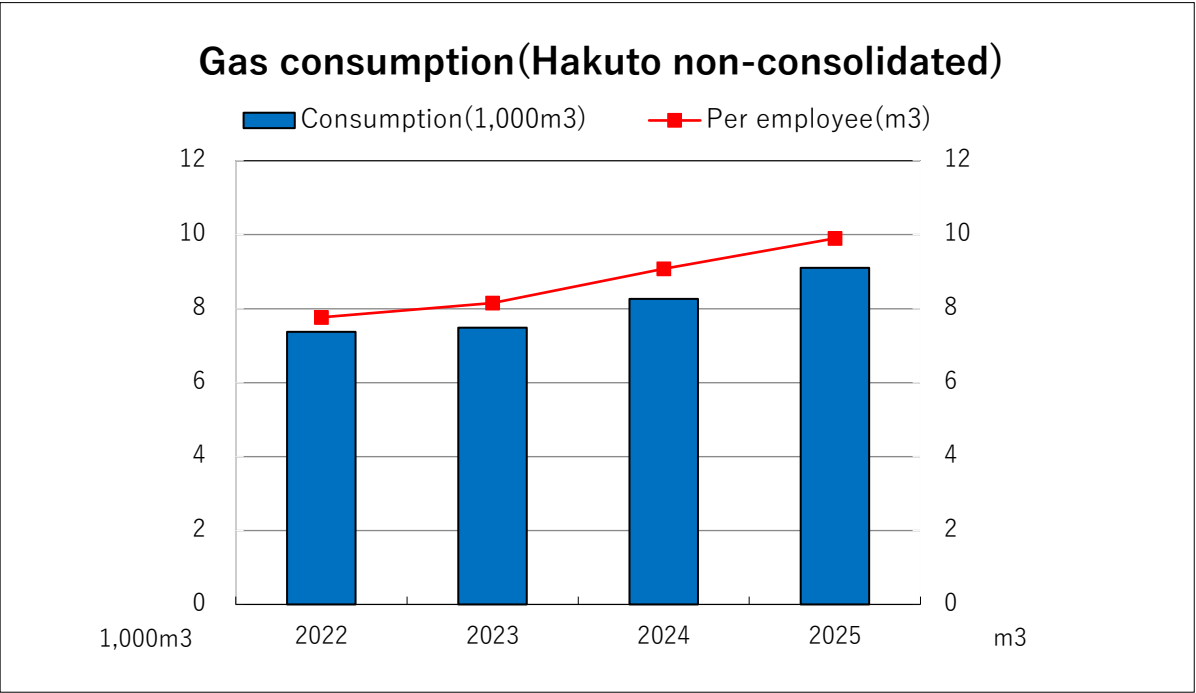
Energy

Gas consumption

Including domestic Group companies



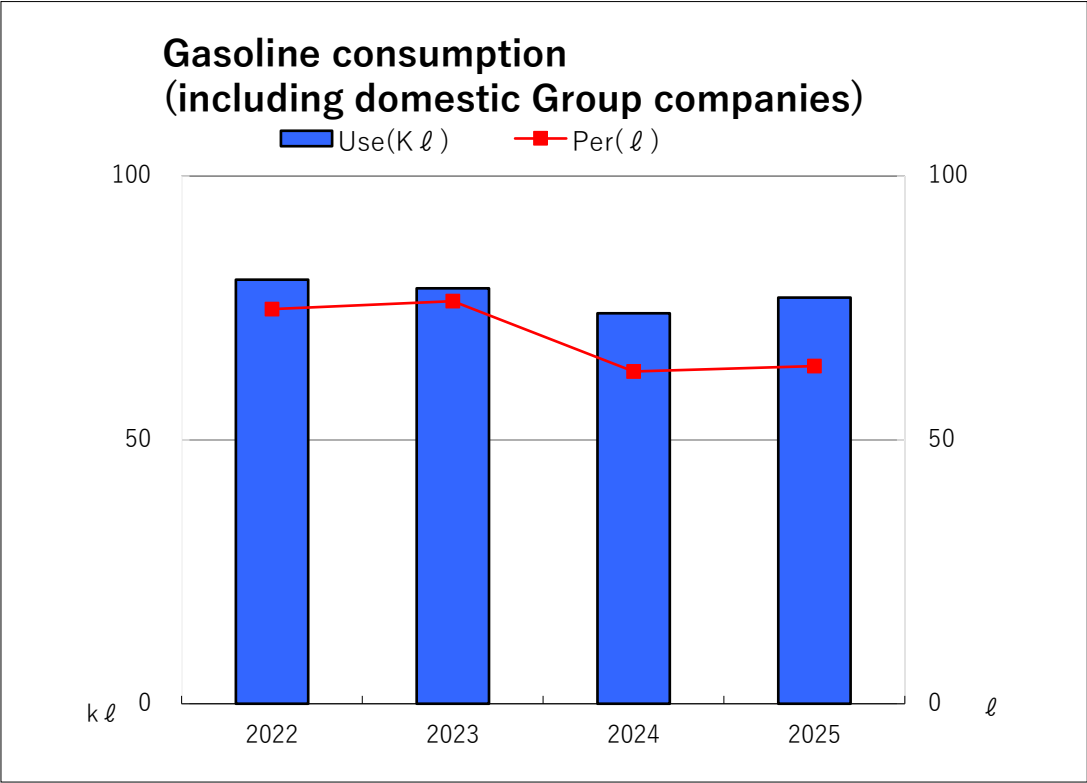
Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee
Hakuto Non-consolidated



Energy

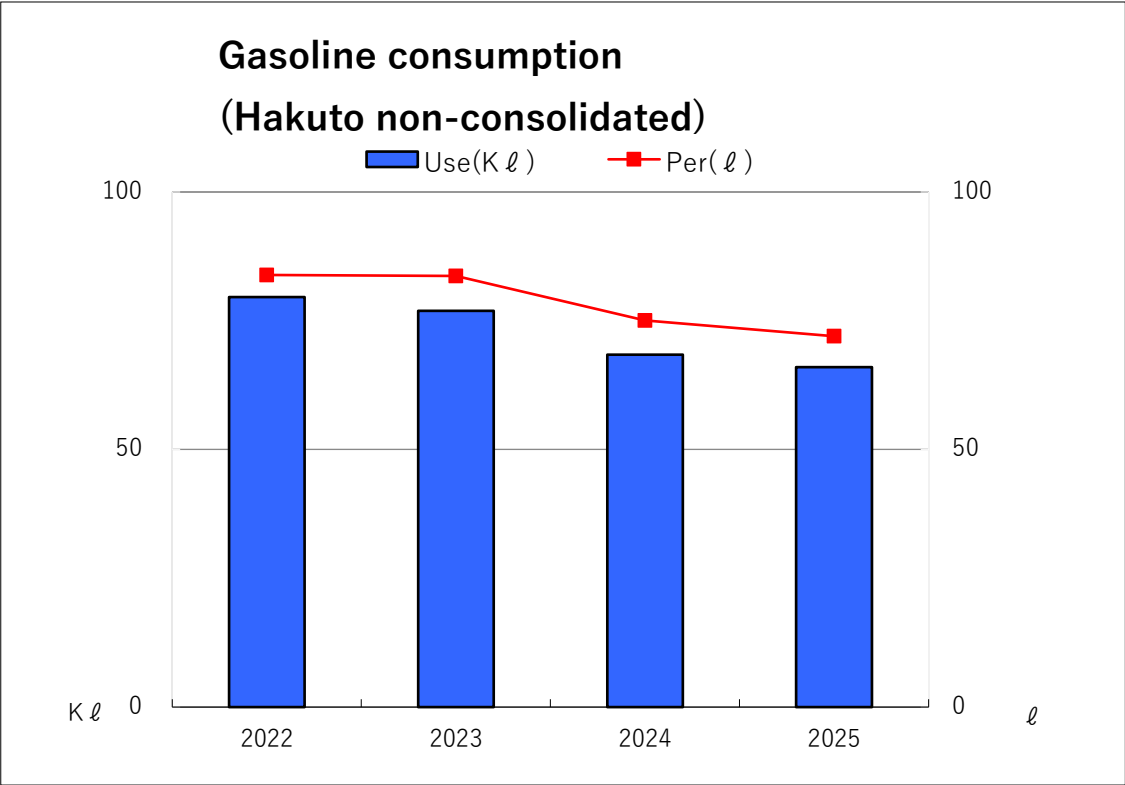
Gasoline consumption

Including domestic Group companies



Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee

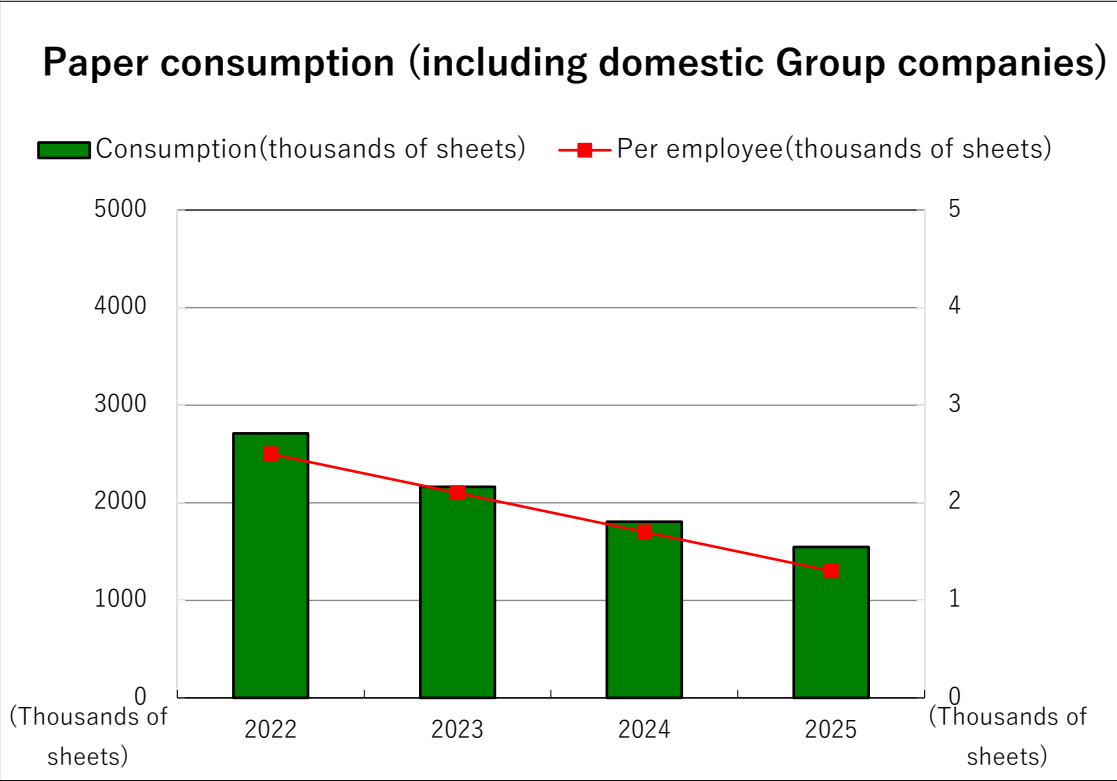
Hakuto Non-consolidated



Resources

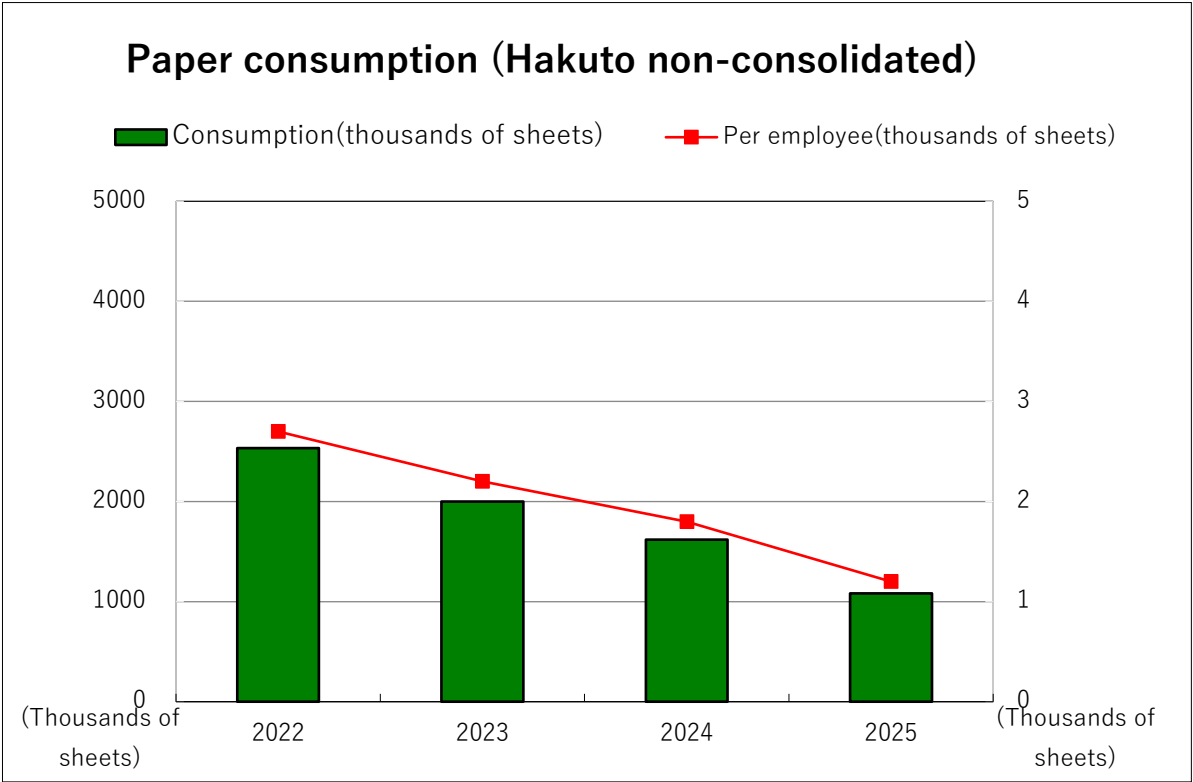
Paper consumption

Including domestic Group companies



Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee

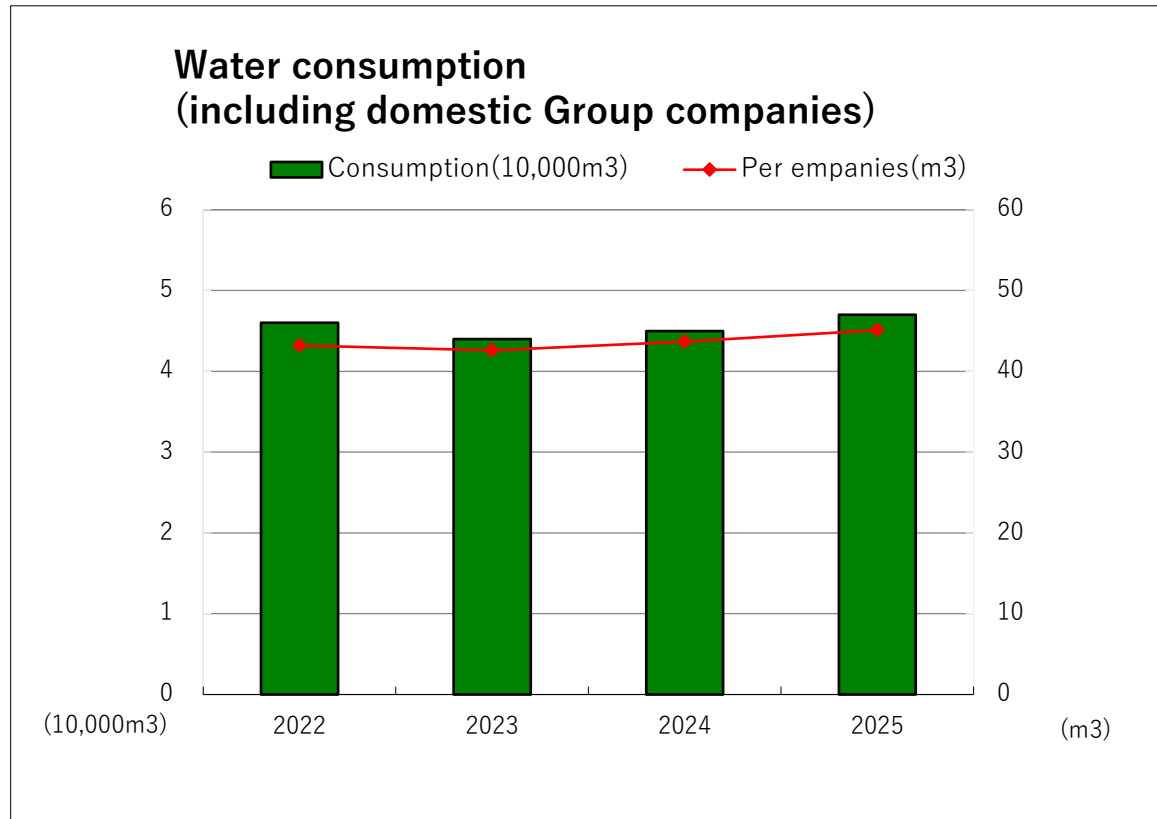
Hakuto Non-consolidated



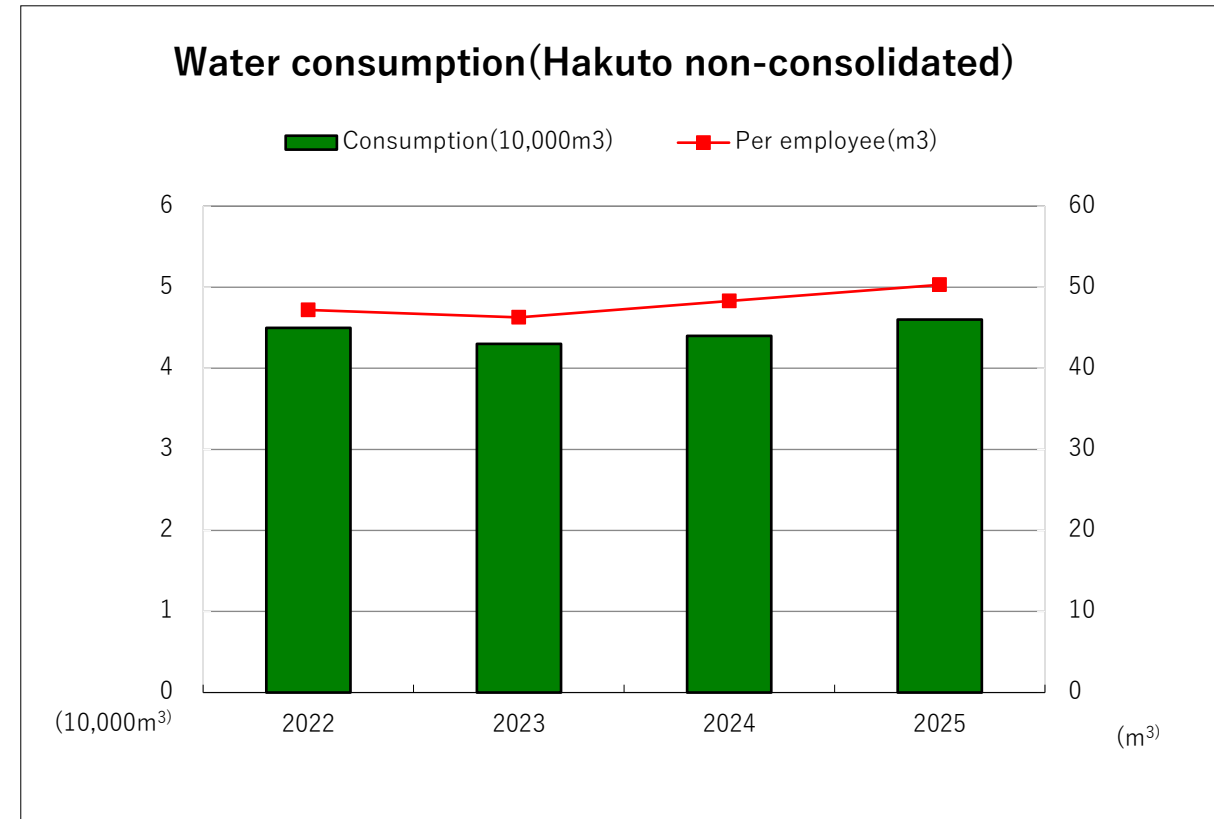
Resources

Water consumption

Including domestic Group companies



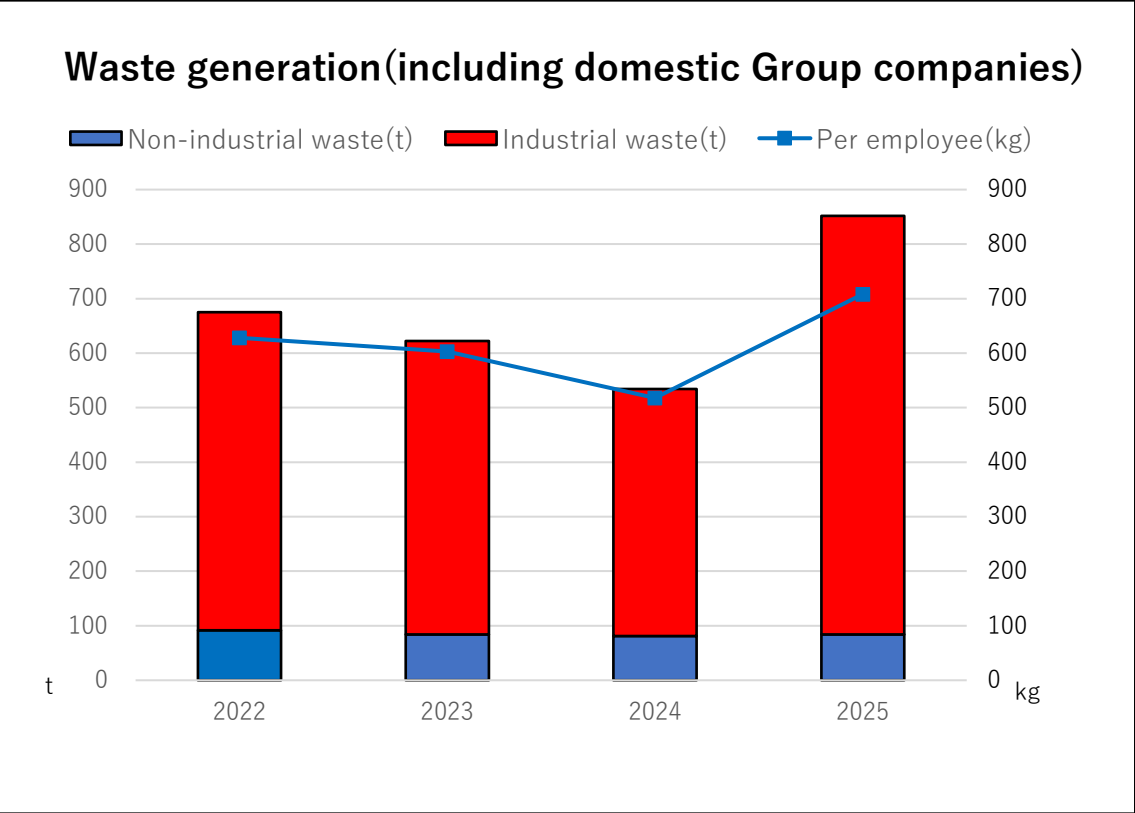
Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee scale: Amount per employee
Hakuto Non-consolidated



Waste

General waste generation

Including domestic Group companies



Vertical bar, left scale: Total amount; line chart, right scale;Amount per employee
Hakuto non-consolidated

