

## 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.

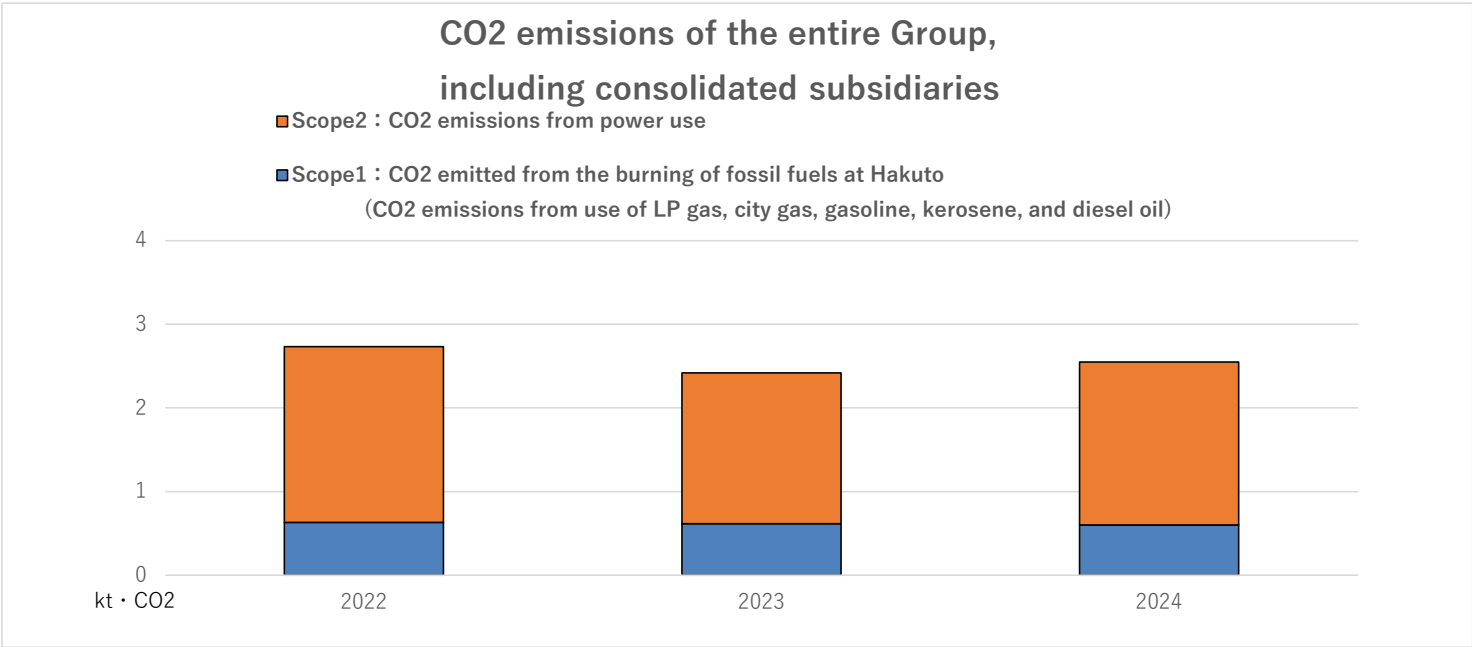
The graph below shows the CO2 emissions of the entire Group, including consolidated subsidiaries.

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.

In FY2024, we achieved an 6.7% reduction compared to the base year of FY2022.

### 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 (2024)

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	1,289	1.3	18	0	19.3
4	Acrylic acid and its water-soluble salts	21,411	0	0	0	0.0
20	2-Aminoethanol	16,534	16	230	0	246.0
31	Antimony and its compounds	1,978	0	9.9	0	9.9
53	Ethylbenzene	36,626	0	200	0	200.0
80	Xylene	5,128	0	43	3.7	46.7
210	2,2-Dibromo-2-cyanoacetamide	7,877	2.3	9.2	0	11.5
232	N,N-Dimethylformamide	5,544	5.5	78	0	83.5
302	Naphthalene	7,037	0	50	0	50.0
333	Hydrazine	3,564	3.5	50	0	53.5
395	Water-soluble salt of peroxodisulfuric acid	3,585	3.6	14	0	17.6
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"	20,794	21	290	0	311.0
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"	4,811	2.3	70	0	72.3

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.)”	14,686	15	210	0	225.0
594	Ethylene glycol monobutyl ether	85,804	0	430	0	430.0
595	Ethylenediaminetetraacetic acid and its potassium and sodium salts	98734	6.7	94	0	100.7
627	Diethylene glycol monobutyl ether	47,597	48	670	0	718.0
691	Trimethylbenzene	38,560	0	210	3.9	213.9
708	(1-Hydroxyethane-1,1-diyl)diphosphonic acid and its potassium and sodium salts	80,347	80	1100	0	1180.0
725	Hexahydro-1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine	17,690	0.6	8.3	0	8.9

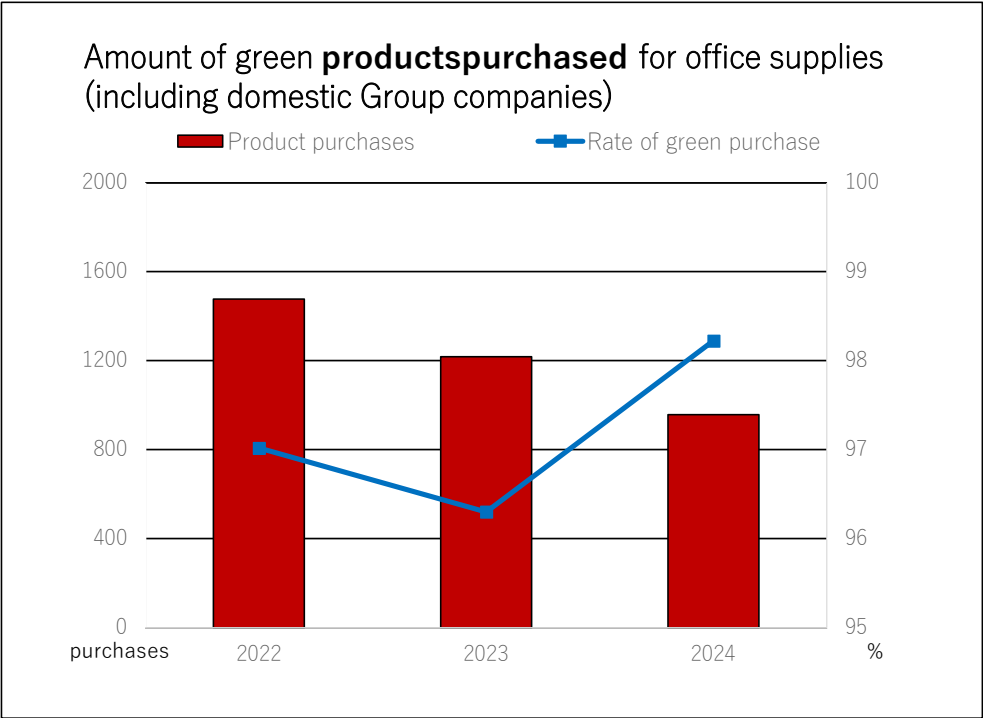
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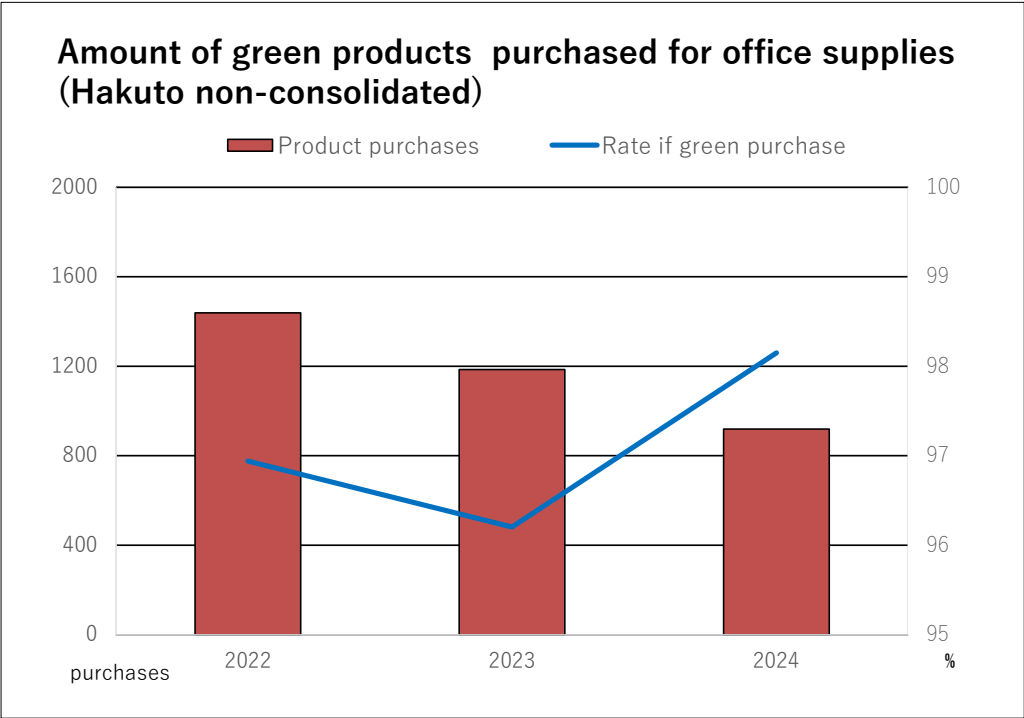
# Green purchasing

## Amount of green products for office supplies

Including domestic Group companies



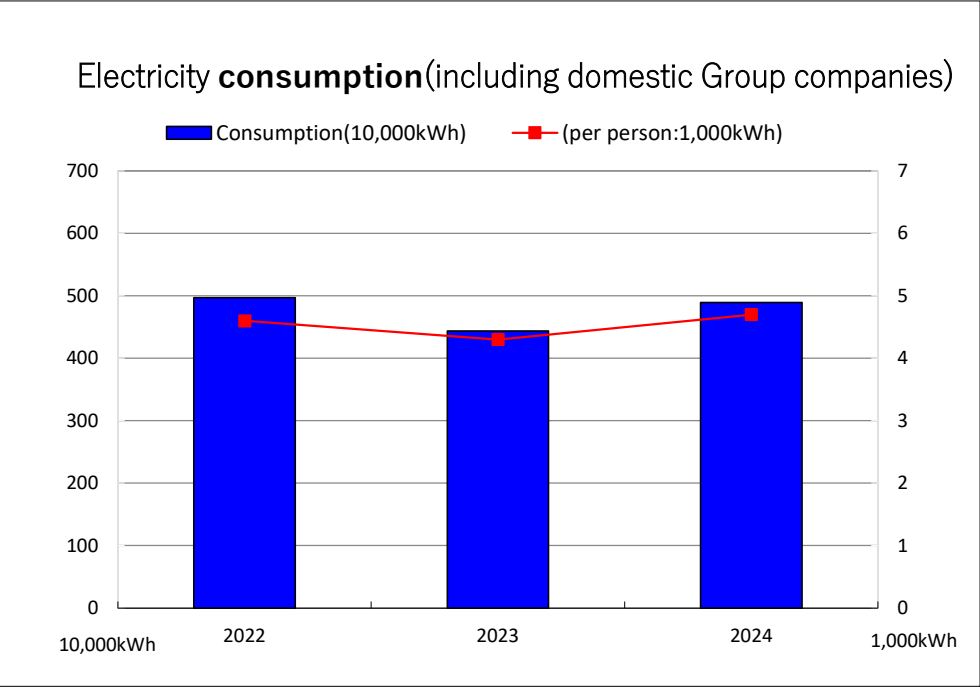
Vertical bar, left scale : Number of green purchases, Line graph, right scale : Green purchasing rate  
Hakuto Non-consolidated



# Energy

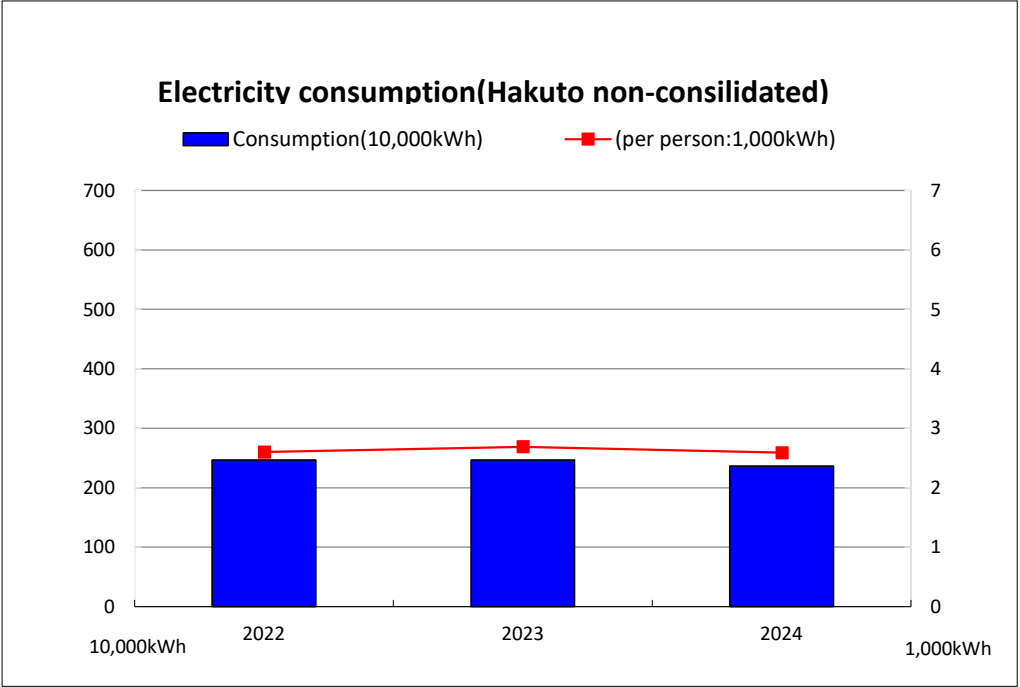
## Amount of electricity used

Including domestic Group companies



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

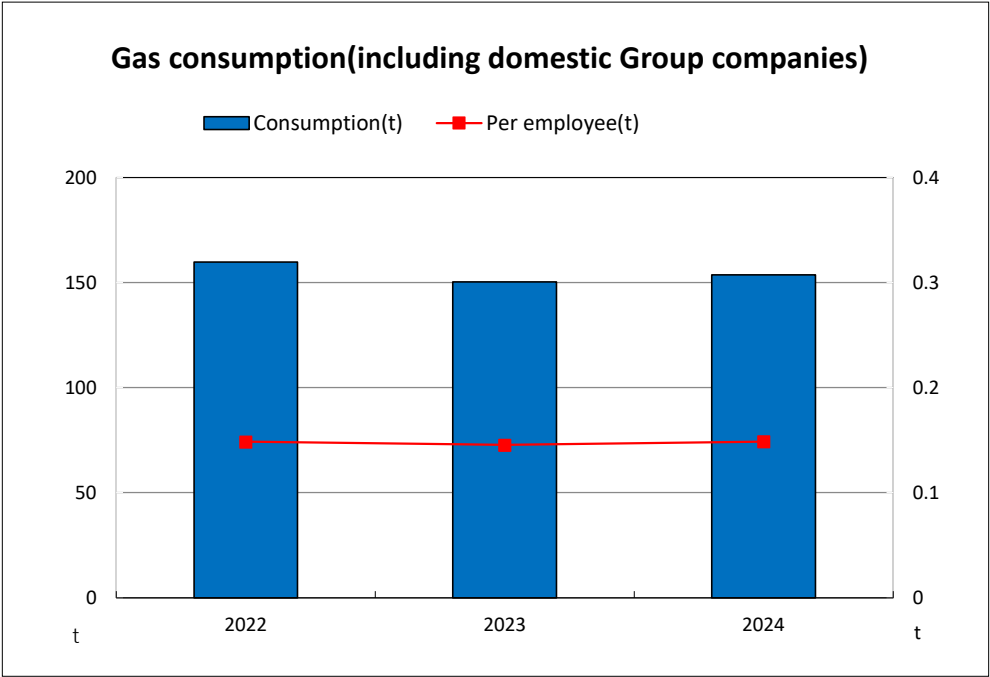
Hakuto Non-consolidated



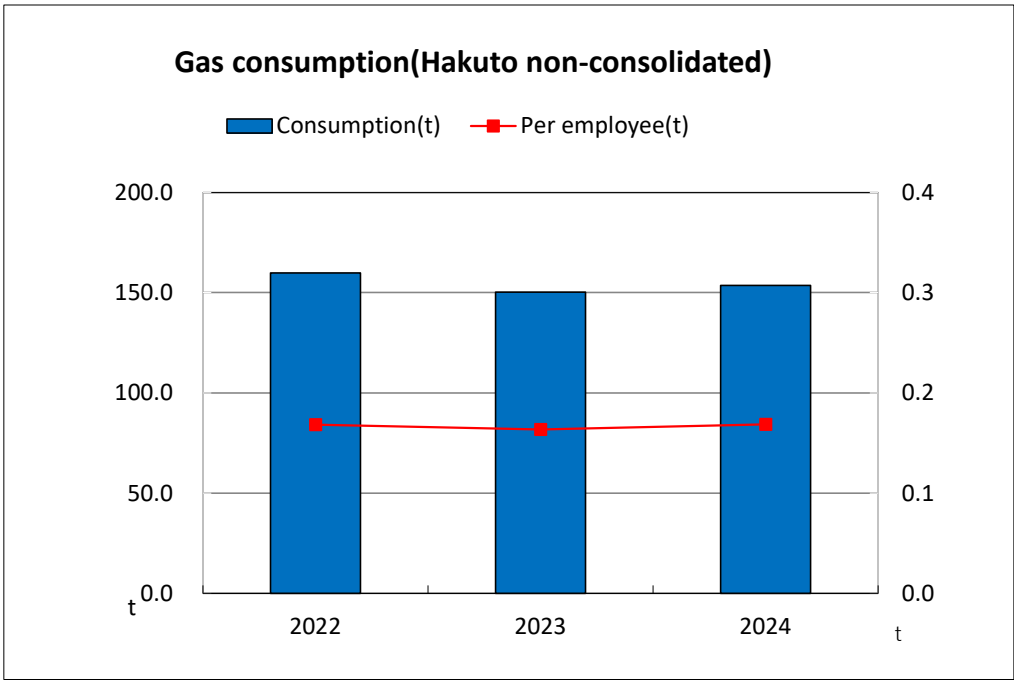
# Energy

## Gas consumption

Including domestic Group companies



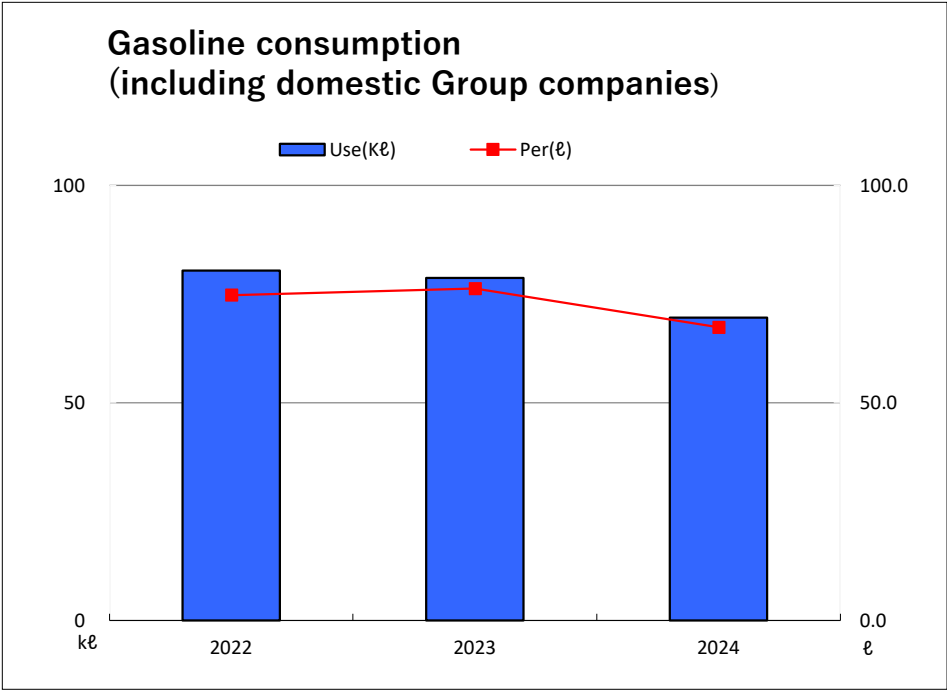
Vertical bar, left scale: Total amount; line chart, right scale: Amount per employee  
Hakuto Non-consolidated



# Energy

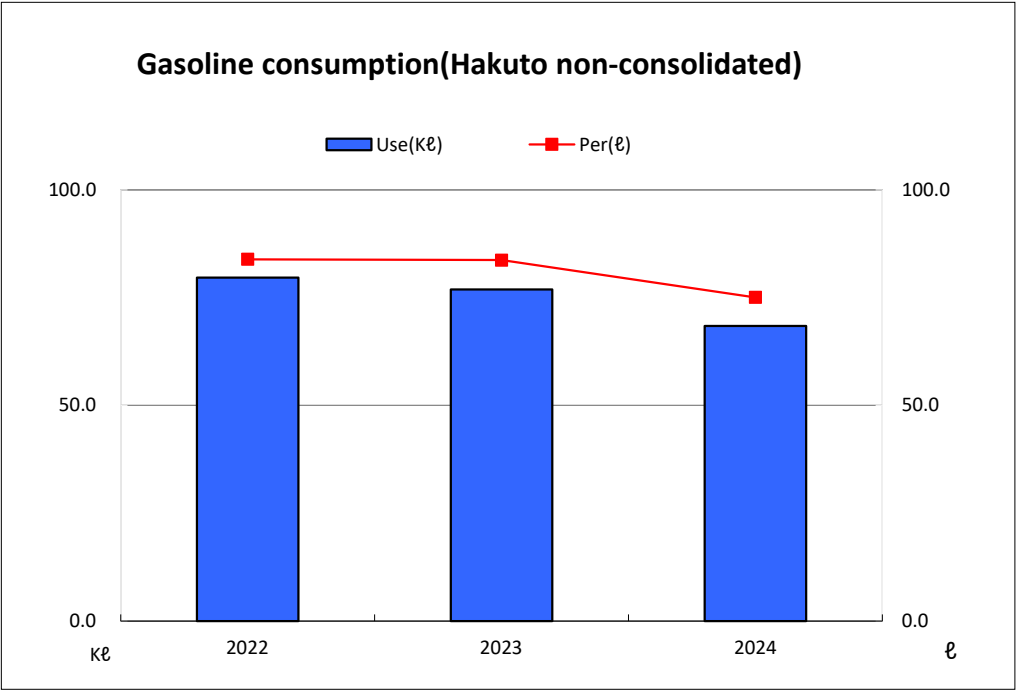
## Gasoline consumption

Including domestic Group companies



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

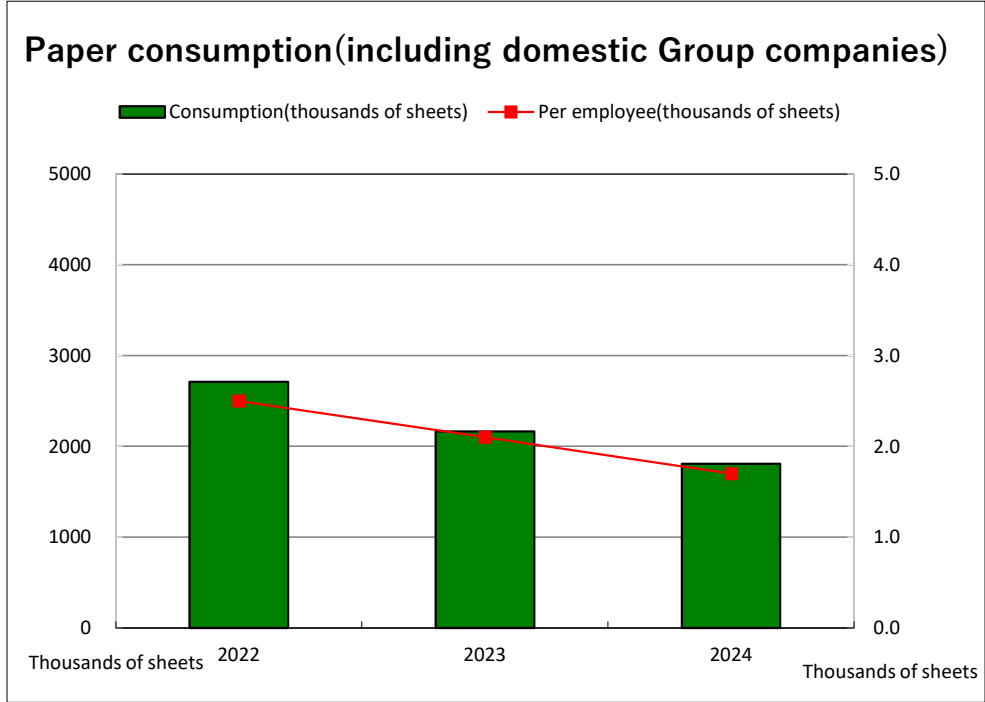
Hakuto Non-consolidated



# Resources

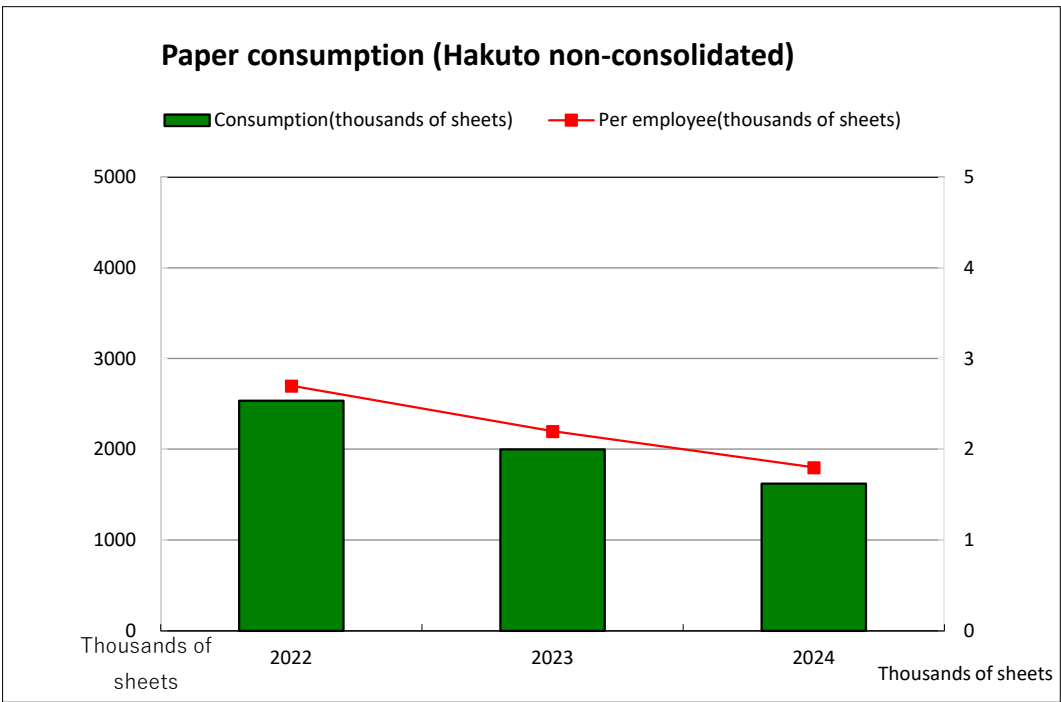
## Paper consumption

Including domestic Group companies



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

Hakuto Non-consolidated

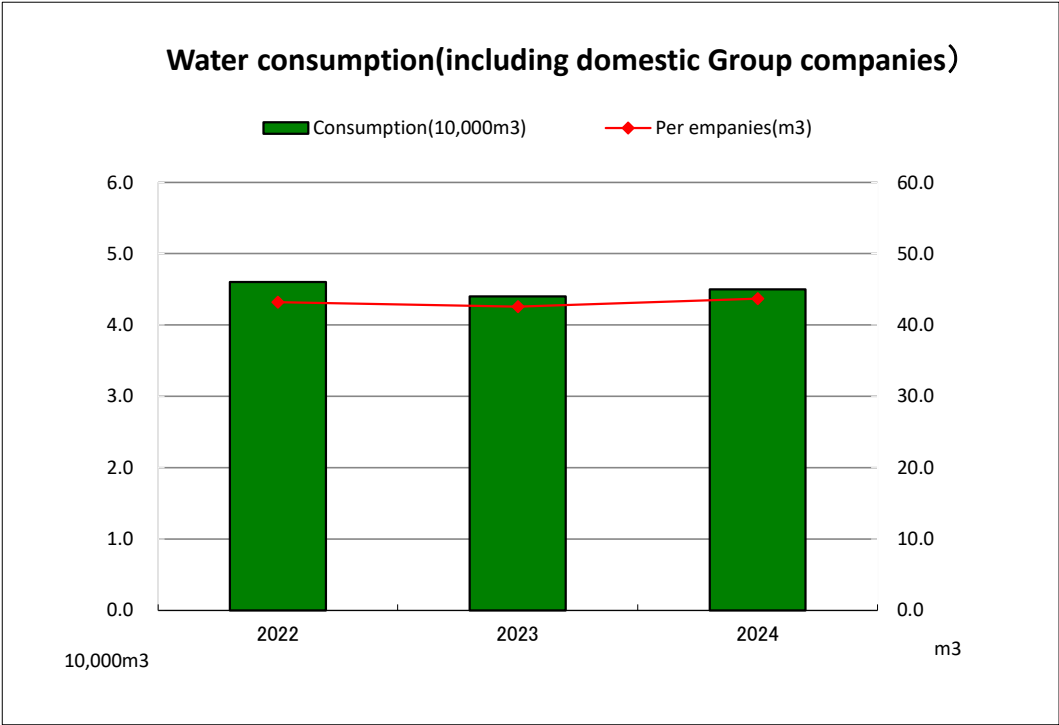




# Resources

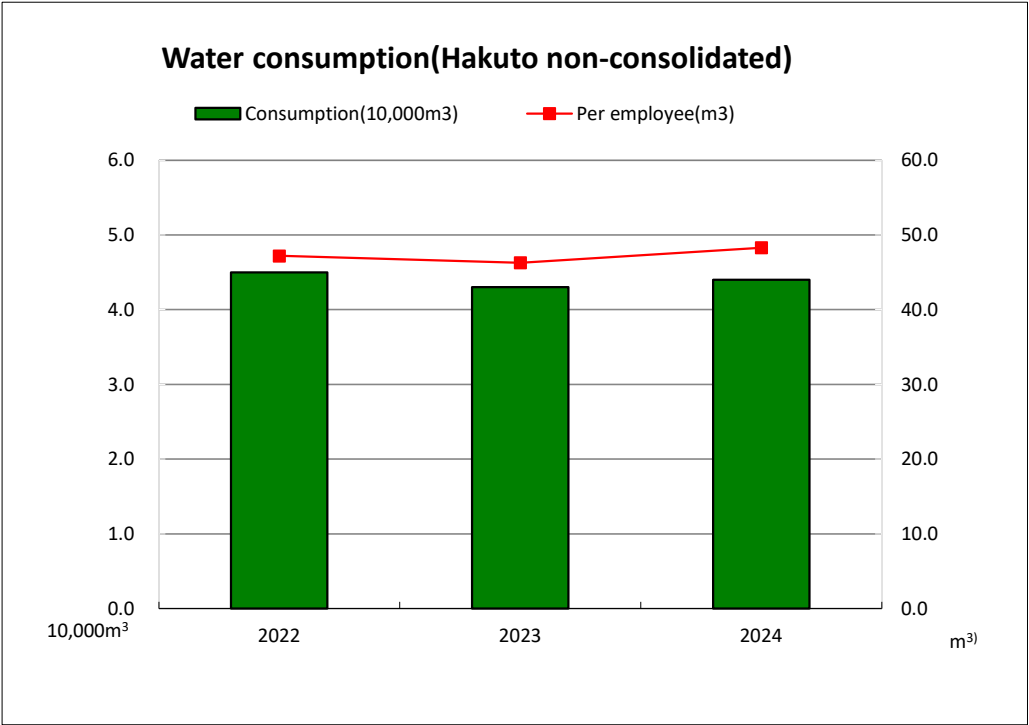
## Water consumption

Including domestic Group companies



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

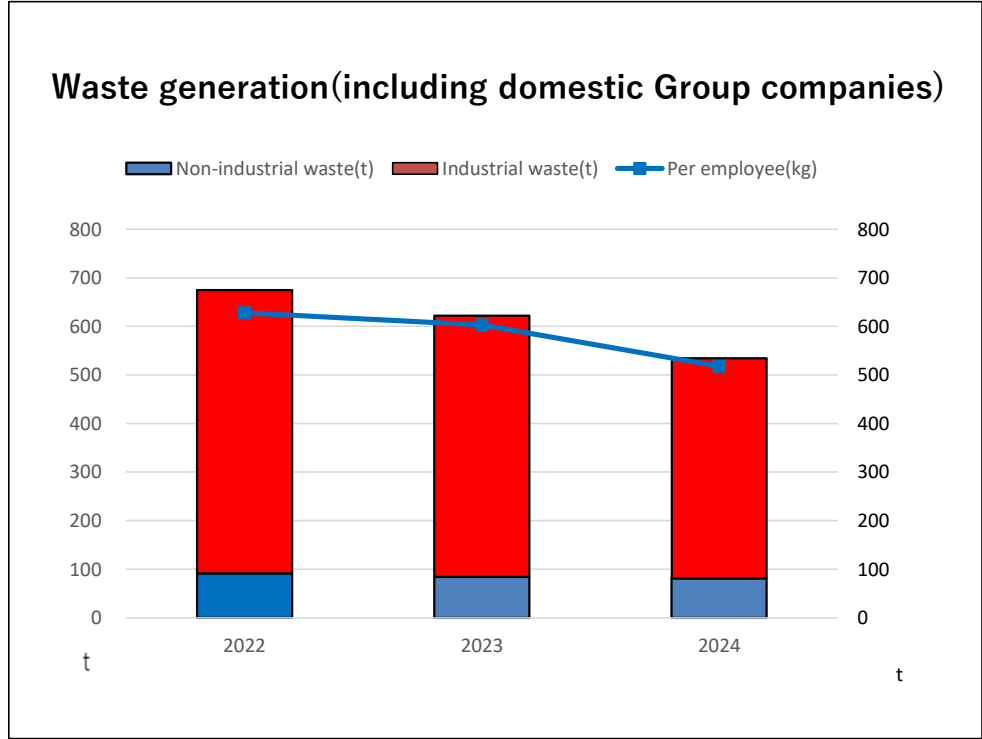
Hakuto Non-consolidated



# Waste

## General waste generation

Including domestic Group companies



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

