

Background

The Kirin Group was one of two companies that represented Japan when we presented our environmental measures to the world at the third session of the Conference of the Parties to the United Nations Framework Convention on Climate Change in Kyoto in 1997. The Kirin Group has long been working to reduce GHG emissions. The group set an ambitious target of "reducing GHG emissions across the entire value chain by half from the 1990 level by 2050" in 2009. The group recognizes impacts of climate change on natural capital, such as agricultural raw materials and water, by applying scenario analysis based on the TCFD recommendations. The group sets science-based targets for the reduction of greenhouse gas emissions, and declares its aim to switch to 100% renewable energy for electric power used by 2040, and commits Net-Zero GHG emissions by 2050. In order to lead the way in creating a decarbonized society, we have been focusing on the processes involved in these efforts. We will steadily implement integrated initiatives to reduce GHG emissions, with respect for natural capital and while promoting containers and packaging initiatives.

We will create together ahead 2050

<u>Raw m</u>aterials P.59 🥘 and Containers P.59 and packaging P.62

Distribution

Supply chain

Sale

A society that has overcome climate change

with business partners

Realize Net-Zero GHG emissions across the entire value chain



 P.59 ● Tea farms P.59 ● Transportation in large bags P.62 ● Lightweight containers and packaging		
P.61		
P.63 Modal shift P.63 Joint delivery P.63 Pimproving loading efficiency P.63 Vendor-managed warehouse		
P.64 P.64	A decarbonized society	P.59 2 100% renewable energy for all electric
P.65 💿 Cooperation		P.60 Solar power

P.60 Wind power

1996	Began installing biogas boilers at breweries.
2002	Began introducing biogas cogeneration facilities at breweries.
2004	Began converting fuel used at breweries from heavy oil to city gas.
2006	Kirin Beverage was selected as an "Eco-Rail" mark-certified company. Kirin Brewery sponsored a "wind power generation project" in Yokohama City. Began introducing heat pumps for Kirin Beverage vending machines.
2007	Completed fuel conversion at Kirin Brewery.
2009	Announced Action Plans for Becoming a Low-Carbon Corporate Group, and declared aim to halve GHG emissions by 2050 compared with 1990.
2017	Obtained approval for "SBT for 2° C" target.
2019	Introduced a heat pump at Kirin Brewery's Okayama Plant.
2020	Declared our aim to achieve Net-Zero emissions by 2050 in the "Kirin Group's Environmental Vision 2050." Joined RE100 and declared our aim of using renewable energy for 100% of electric power by 2040. Acquired approval for science-based 1.5°C target. Lion acquired certification as Australia's first major carbon neutral brewer.
2021	Moved to renewable energy for 100% of electric power purchased at Kirin Brewery's Nagoya and Sendai Plants. Began utilizing electric power from large-scale solar power generation thanks to the introduction of a PPA model at four domestic plants. Began using heat pumps on the production lines of Shinshu Beverage.
2022	Acquired Net-Zero target certification by SBTi as the first case in food & beverage industry in the world. Switched purchased electricity to 100% renewable at Kirin Brewery's Sendai and Nagoya Plants, Château Mercian's all wineries, and Lion's all business sites in Australia and New Zealand. Lion launched carbon zero beer "Steinlager" and the carbon-neutral alcohol-free beer "XXXX Zero".
2023	Mercian Fujisawa Plant and Kyowa Kirin Ube Plant introduced large-scale photovoltaic system.
24	Kirin Brewery switched its purchased electricity at all sales and production sites to 100% renewable. Kirin group launched the Kirin Supply Chain Environmental Program.
	1996 2002 2004 2006 2007 2009 2017 2019 2020 2021 2022 2022 2023

Target Reduction in GHG emissions 2050 Net-Zero (Environment Vision 2050) 2030 Scope 1 + 2 down 50% and Scope 3 down 30% (compared with 2019) (SBT for 1.5°C target) 2024 Scope 1 + 2 down 23% (compared with 2019) (non-financial target) Total emissions for Scope 1 and Scope 2 Scope 3 emissions Target -30% Target -50% Target Target Net-Zero Net-Zero 2019 2019 2030 2050 2030 2050 Actual results Total emissions for Scope 1 and Scope 2 Scope 3 emissions (ktCO2e) (ktCO2e) 1.500 5.000 4,000 3,762 -10% 1,000 -30% 815 -31% 3,000 3,376 50% 3,474 3,444 Target 2,000 737 701 666 500 2,633 3,309 Target 408 1.000 0 2019 2020 2021 2022 2023"2030 2019 2020 2021 2022 2023"2030

*1 In December 2020, we upgraded our previous "SBT for 2°C" target, and received approval for our "SBT for 1.5°C" target.

Main Activities

- Our long-term target to achieve Net-Zero GHG emissions across the entire value chain by 2050 certified as a science-based Net-Zero target (July 2022: the first case in food and beverage industry in the world) Obtained approval for the science-based 1.5°C target (2020)
- Joined RE100 (2020) and set a target for renewable electricity use: 100% by 2040.
 Participated in Policy Working Group of RE100, and sent, as the working group, a policy proposals, e.g. expansion of renewable electricity infrastructure, to Japanese Government, aiming to achieve the 1.5°C target.
- Achieved 100% renewable energy in purchased electricity at Kirin Brewery's all production and sales sites (two plants in 2022, three plants in 2023, and four plants and all sales sites in 2024), Kyowa Kirin Takasaki Plant, Ube Plant, research laboratories, etc., and Lion's plants in Australia and New Zealand (2023).
- Introduced large-scale photovoltaic system to nine Kirin Brewery plants (~2023, including eight breweries and plants with PPA model purchasing), Mercian Fujisawa Plant (2023), Kyowa Kirin Ube Plant (2023), Kyowa Hakko Bio Hofu Plant (2024), and Lion Castlemaine Perkins (2019)
- Launched the Kirin Supply Chain Environmental Program (2024)





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Targets and Progress

Message from Top Management

TCFD · TNFD

and Opportunities Holistic Analysis of Risks

Raw materials

Measures in tea farms for adapting to climate change

The Kirin Group contributes to Sri Lankan tea farms' measures for adapting to climate change through training programs for Rainforest Alliance Certification. Specifically ,Rainforest Alliance and Kirin Holdings promote tea farms to plant cover crops, grasses crawl on the ground, with deep roots on steep slopes. The cover crops prevent runoff of soil from erosion by torrential rain and falls in tea leaf production volumes.





Before measures

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After measures to Cover crops prevent soil runoff

Importing wine in large bags

Mercian imports some of its wine via marine transportation in specially designed 24kl bags (equivalent to about 32,000 of 750ml bottles) with low oxygen permeability and fills the wine into bottles in Japan. Compared to importing bottled wine, this method reduces Mercian's GHG emissions from marine transportation by roughly 60% by eliminating needs to transport heavy bottles by sea. Bottling in Japan enables us to use Ecology Bottles (made with at least 90% recycled glass), lightweight bottles, and PET bottles as containers. This production system reduces resource consumption and GHG emissions significantly throughout the value chain.

In-line blow aseptic filling machine

In the past, we purchased empty PET bottles from container manufacturers and shipped them to plants where we filled them with beverages. With in-line blow aseptic filling machines, we mold PET bottles from preforms, thick, compact, semi-processed bottle, in our production processes and fill them under aseptic conditions. This system reduces GHG emissions of empty bottle transportation since trucks can carry much more preforms than empty molded PET bottles. In 2003, we installed preform molding equipment to a beverage production line at Kirin Distillery, the first case in Japanese beverage industry, reducing transportation loads of preforms.

At the Kirin Beverage Shonan Plant, in 2021, we switched our high-pressure compressors for PET bottle molding from V-type reciprocating compressors to screw compressors and horizontally opposed reciprocating compressors with variable frequency drives, thereby reducing annual power usage by around 8%. These machines enable us to recover waste heat from themselves and to reuse the heat to other processes.



* The information and product images above are as of the end of June 2023.

Switch purchased electricity for plants to 100% renewable

Renewable energy

Kirin Brewery has achieved 100% of renewable energy for purchased electricity at Sendai and Nagoya Breweries since 2022, Fukuoka and Okayama Breweries since January 2023, Toride Brewery since April 2023, and Hokkaido Chitose, Yokohama, Shiga, and Kobe Breweries, as well as all sales sites, since January 2024. As a result, Kirin Brewery has achieved 100% renewable energy for purchased electricity at all production and sales sites, and the proportion of renewable energy in all electricity usage is 66%. We aim to achieve RE100 target as soon as possible and replace all electricity used in our global operation to renewable energy in the future. Kyowa Kirin completed to switch purchased electricity to renewable of its manufacturing sites and research laboratories in Japan. Kyowa Kirin expanded the initiative from Takasaki Plant, Bio Production Technology Laboratories, Fuji Research Park, and CMC Research Center, in 2020, to Ube Plant in 2023. Through these initiatives, Kyowa Kirin reduced CO₂ emissions from its operation by 55% by the end of 2023 compared with those of 2019. Since January 2022, all "Château Mercian" wineries (Château Mercian Katsunuma Winery, Château Mercian Mariko Winery, and Château Mercian Kikyogahara Winery) have achieved 100% renewable energy by applying renewable energy certificates with purchased electricity. At breweries in Australia and New Zealand for Lion, 100% of purchased electricity has been sourced from renewable energy since February 2023.







Fukuoka Plant

Mercian

Katsunuma Winery

Kirin Brewery Sendai Plant





Kirin Brewerv Okayama Plant

Mercian

Mariko Winery





Mercian Kikyogahara Winery



Specially designed large bags

Use of large-scale solar power generation

Kirin group values, in its renewable energy procurement, "additionality," which refers to creating new sources of renewable energy in the world, as well as "ethical procurement," which refers to considering the environmental impact and human rights in generating energy.

Kirin Brewery has introduced large-scale photovoltaic system at all nine plants (eight plants, excluding Yokohama Plant, use PPA model*1) At Mercian Fujisawa Plant, we introduced photovoltaic electricity based on PPA model from March 2023. This initiative will reduce annual GHG emissions by approximately 124 tonnes, and increase the proportion of renewable energy in electric power used by Mercian as a whole from approximately 5% at present to approximately 8%.

At Kyowa Kirin, we have introduced large-scale photovoltaic system (1.47MW) based on PPA model at Ube Plant in 2023. This initiative reduced annual CO₂ emissions by approximately 1,029 tonnes. Kirin Group Logistics, Kyowa Hakko Bio, and Shinshu Beverage have leased parts of their land and building roofs to photovoltaic generation businesses, contributing to both effective use of their assets and expansion of renewable energy.





Kirin Brewery Hokkaido Chitose Plant

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Kirin Brewery Toride Brewery Plant



Kirin Brewery Shiga Brewery Plant



* 1 PPA stands for the "Power Purchase Agreement" model and refers to an agreement between a business that sells electricity to users (PPA provider) and the users of electric power. At Kirin Brewery, MCKB Energy Service Co., Ltd., a subsidiary of Mitsubishi Corporation Energy Solutions Ltd., acts as a PPA provider, installing megawatt-class solar power generation facilities on the roofs of breweries, while Kirin Brewery purchases and uses the power generated.

Use of solar power in Australia

Lion installed photovoltaic system to Castlemaine Perkins Brewery in 2019 and to Little Creatures Brewery in 2020.

Tooheys Brewery, the largest brewery in New South Wales, collaborates with Australian Hotels Association (AHA), contracting PPA with a renewable energy distributor.

By leveraging a buying power of Tooheys, AHA was able to introduce renewable energy at a lower price, successfully reducing the electricity unit cost for hotels' pubs from 11.5c/kWh to 6.9c/kWh.

In 2020, Lion became Australia's first large scale carbon neutral brewer, certified by Climate Active*². Lion discloses carbon credits used to offset its emissions for a year in the annual report to comply certification requirement by Climate Active. The requirement is a new standard for carbon neutral certification in Australia. In New Zealand, Lion has obtained Toitū*³ carbon zero certification since 2021.

Carbon

Neutral

ORGANISATION

τοιτυ

NET CARBON ZERO

ISO 14064-1 ORGANISATION

Climate



Lion's Little Creatures Geelong

*2 A third-party certification body established by the government of Australia *3 A third-party certification body established by the government of New Zealand

Renewable energy certificates

Since 2021, Kyowa Hakko Bio has introduced "Renewable Energy Certificates (I-REC)" at Thai Kyowa Biotechnologies in Thailand. This is the first case of I-REC application in pharmaceutical and food industries in Thailand. The initiative has offset emissions from electricity and reduced annual GHG emissions by 20,249 tonnes. We have also introduced renewable energy certificates to Kyowa Hakko Kirin China Pharmaceutical and BioKyowa (I-REC and REC, respectively).

Wind power generation

Mitsubishi Corporation Offshore Wind Ltd., Venti Japan Inc., C-Tech Corporation, and Mitsubishi Corporation have been selected as power generation business operators for projects off the coast of Noshiro City, Mitane Town, and Oga City in Akita Prefecture, off the coast of Yurihonjo City in Akita Prefecture, and off the coast of Choshi City in Chiba Prefecture, through a consortium (the "Consortium") represented by Mitsubishi Corporation Energy Solutions. Ltd.

Kirin Holdings is a partner in the Consortium. These projects are Japan's first fixed-bottom offshore wind power generation projects in general sea areas. Both projects will be the largest power sources in Japan and will make a significant contribution to the Japanese government's commitment to achieve carbon neutrality by 2050. The maximum power output of the three projects will be approximately 1.69 million kW, which is sufficient to meet the electric power demand of approximately 1.21 million households.



Message from Top Management

Production

Use of heat pumps in production processes

The Kirin Group must improve energy efficiency and reduce the amount of energy consumption. At the same time, we believe that reducing dependency on fossil fuel combustion in production sites, and increase that on electricity, and, furthermore, using renewable electricity are the most effective ways of reducing GHG emissions. Kirin Brewery has successfully reduced its GHG emissions by approximately 70% over the 25 years from 1990 to 2015. In 2019,

Heat pump system



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Shinshu Beverage production line



Reduction of GHG emissions and cost savings by heat pumps

	Total
CO ₂ reduction	6,884 t-CO ₂ /year
Cost reduction	166,473,000 yen/year

we introduced heat pump systems at the wastewater treatment facilities of six Kirin Brewery plants, thereby reducing GHG emissions by 3% (approximately 4,800 tonnes) from the previous year across Kirin Brewery as a whole (as of November 2023). At Shinshu Beverage, we reuse waste heat, which is difficult to use directly in rinsing processes for bottles and caps, through a heat pump unit, enabling us to reduce GHG emissions by approximately 970 tonnes per year. The Kirin Brewery Okayama Plant has reduced annual GHG emissions by approximately 180 tonnes by reusing waste heat and using thermal energy of atmosphere to a hot water sterilization process for cans.

Fuel conversion

The majority of the fuel we use at breweries are consumed in boilers that generate steam. At all plants of Kirin Brewery and Kirin Beverage, we completely converted the fuel to natural gas, which generates less GHG emissions than heavy oil. We have achieved more efficient boiler operations through installation of highly efficient gas boilers. To meet part of the plant's heat and electricity needs, cogeneration systems have been installed to provide both heat and electricity.

Lion is planning to install an electric boiler at a brewery in New Zealand, which will begin operation in late 2025. It will save approximately 700 t-CO₂-e per year (6% of Lion Scope 1 and 2 emissions in New Zealand) by replacing the current LPG fuel.



Cogeneration

Improving the efficiency of refrigeration systems

At Kirin Brewery, we reduce energy consumption through improving the efficiency of refrigerating systems. We are introducing a cascade refrigeration system, which cools cooling media in multisteps, a methodology to maximize energy efficiency of refrigerators.

Improving the efficiency of refrigeration systems



After upgrading the refigeraring machine



Containers and Packaging

Reduction of GHG emissions during transportation by reducing containers and packaging weight

Making containers and packaging lighter leads to reducing GHG emissions from production and transportation of the containers and packaging. Kirin Brewery and Kirin Beverage reduced GHG emissions from containers and packaging by a total of 5.3million tonnes^{*1} by reducing the weight of containers and packaging between 1990 and 2021.

*1 Calculated based on the Carbon Footprint Product Category Rule (Certified CFP-PCR Number: PA-BV-02) applied to the actual containers and packaging usage of Kirin Brewery and Kirin Beverage from 1990 to 2021.



*Product photographs are current as of June 2023 or the time that events occurred.

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Logistics

We are promoting joint deliveries and modal shifts

The Kirin Group regards logistics as a noncompetitive sector and is actively engaging in initiatives together with other companies in the same industry.

In 2017, Kirin Brewery and Asahi Breweries opened a joint delivery center in Kanazawa City, Ishikawa Prefecture, and launched joint train transportation from plants in western area of Japan. Neither of the companies has plants on the coastal side of Japan Sea, so products previously had to be transported by truck over long distances—of 200 km—from their plants on the Pacific Ocean side. This logistic was inefficient and heavy burdens for truck drivers. Joint transportation using train containers not only reduced significant GHG emissions but also shortened driving distances of trucks, significantly reducing burdens of drivers. Thus, the joint delivery contributes to solve capacity shortages of logistic industry, one of the biggest issues in Japanese society. Through these efforts, we have successfully completed modal shifts from long distance truck transportation, equivalent to 10,000 vehicles

a year, to railway containers, and we estimate that we can thus annually reduce GHG emissions by approximately 2,700 tonnes. In September 2017, we began joint delivery with Asahi Breweries, Suntory, and Sapporo Breweries in the eastern Hokkaido area. We estimate that the Hokkaido case results in a reduction in annual GHG emissions of approximately 330 tonnes. *1 Kyowa Kirin also applies joint deliveries and its Ube Plant utilize railway container transportation for raw material logistics. The Kirin Group is actively pursuing modal shifts of switching from truck transport to rail and ocean transport, which has lower GHG emissions, for long-distance shipments (400 to 500 km or more). In April 2024, KIRIN GROUP LOGISTICS, Japan Freight Railway, and NIPPON EXPRESS implemented modal shifts for the Kirin Group's products equivalent to approximately 84,000 t-CO₂ (7,000 10 ton trucks, equivalent to approximately 17,000 five-ton containers) per year. This initiative is expected to reduce annual emissions by approximately 3,130 t-CO₂.

*1 Contribution to Avoided Emissions through the Global Value Chain, Fifth Edition, Keidanren (Japan Business Foundation)

Vendor-managed warehouse

The use of vendor-managed warehouse can reduce longdistance transportation. As a result, GHG emissions are reduced, contributing to more sustainable supply chain.

With the aim of mitigating the risk of not being able to transport due to an unavailability of trucks and optimizing transportation efficiency, we started a trial operation of raw materials procurement and distribution system using raw materials warehouses (vendormanaged warehouses) close to Kirin Beverage's plants, Shonan Plant and Shiga Plant, in October 2019. By establishing vendormanaged warehouses, raw material and ingredient suppliers can transport desired amount of raw ingredients with ther convenient schedules, thereby maximizing efficiency. This initiative has made it easier for plants to cope with sudden changes in production plans and contributed greatly to improving production flexibility.

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Joint delivery from Pacific Ocean side to Japan Sea side

Vendor-managed warehouse



Sale

Introducing "heat pump-type vending machines" as a pioneer of an industry and expanding the use of green power vending machines

Kirin Beverage is the first in the industry to introduce heat pump-type vending machines in 2006, and from 2012, almost all newly installed vending machines for cans and PET bottles are of this type. As of March 2024, we have switched more than 90% of installed vending machines to this type.

Heat pump-type vending machines pump up waste heat generated from cooling functions and use the heat to warm up the products. This system reduces electricity consumption compared to conventional vending machines.

Some models offer higher energy-saving performance with heat source not only by recovering waste heat released by the cooling function but also by capturing heat from outside the machine and with improved insulation performance by effective use of vacuum insulation materials. These vending machines have evolved to the point where electricity consumption can be reduced by about 40% compared to 2013. Installation of the new models began in 2015, and

we are aiming for approximately 90% of the new machines we install in 2024 to be new models. Since January 2024, we have been expanding the use of green power vending machines to reduce Scope 3 emissions. This is an initiative to achieve net-zero GHG emissions by obtaining renewable energy certificates equivalent to the annual electricity consumption required for vending machine operation.







Carbon neutral beer

Steinlager, which Lion sells in New Zealand, has obtained certification as a carbon zero beer under the Toitu program by a body of the New Zealand government. In 2021, we featured the Toitu carbon zero mark in our marketing campaigns to highlight to consumers the commitment Lion has made to reducing GHG emissions through Steinlager and other products. In May 2022, Lion began selling "XXXX Zero," Australia's first

carbon neutral and alcohol-free beer. XXXX Zero has obtained carbon neutral certification in the form of Climate Active certification.

In Australia, Lion is preparing to acquire carbon neutral certification through Climate Active for many key products. In order to obtain certification, Lion is working to comply with the requirement that it must offset all GHG emissions from the complete life cycle of the product, including emissions from raw materials and packaging, distribution and product waste.

In 2020, New Belgium Brewing launched FAT TIRE ALE, the first carbon neutral beer in the United States. The carbon credits being purchased and amortized also contribute to economic support for converting farmers to regenerative agriculture.

New Belgium Brewery has created a beer called TORCHED EARTH ALE to show consumers what the future of beer might look like if climate change progresses. By showing consumers the taste of beer made from ingredients likely to be available in a future where climate change has progressed, the company is drawing attention to the importance of carbon-neutral products.

> *Carbon neutral beer is referred to as

"carbon zero beer" to

match the name on the certification.



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KIRIN

Heat pump-style vending machines







Product photographs are as of the time that events occurred.





Message from Top Management

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Cooperation with business partners

Of the categories in the "Scope 3 Standard" of the GHG Protocol, we will focus our efforts on Category 1 (purchased goods and services), which accounts for about 60% of the Kirin Group's Scope 3 emissions, followed by Category 4 (upstream transportation and distribution) and Category 9 (downstream transportation and distribution), which account for the next largest shares of emissions. In this way, we work to reduce emissions across value chain while prioritizing engagement and collaboration, through the "encouragement of reduction at business partners," as well as the "reduction by our controllable measures."

Opportunities

Reduction

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packaging.

We have requested that all suppliers comply with the Kirin Group Sustainable Supplier Code, which includes measures to address climate change. Furthermore, in April 2024, we launched the Supply Chain Environmental Program. Through these efforts, we will strengthen cooperation with suppliers that have large GHG emissions, and promote activities in three main areas: mutual disclosure of actual GHG emissions data, target-setting requests

and support for reducing GHG emissions in line with SBT levels, and cooperative efforts to reduce GHG emissions. We expect these efforts to contribute to a reduction of 10%, or one-third of our medium-term target to "reduce overall GHG Scope 3 emissions by 30% from 2019 levels by 2030."

Lion is a member of the Australian Climate Leaders Coalition, a group of CEOs of Australian companies.

For various reasons, it is difficult for suppliers, retailers, and other companies along their value chains to disclose actual data on their GHG emissions to each other. In response to this issue, the coalition adopted a system of pooling actual data to a thirdparty without mutual disclosure among the companies, and thus confirmed that the pooling system was able to identify Scope 3 emissions more accurately. These efforts started the conversation on how stakeholders in the value chains could work together to reduce emissions, which will result in higher Scope 3 reduction targets and contribute to highly effective actions. In addition, we are calculating the CFP per product and utilizing it to visualize GHG reduction status and set targets throughout the supply chain. The Australian Climate Leaders Coalition has published these approaches as part of the "Scope 3 Roadmap."



* Percentage is calculated on PY21 baseline

Key data related to climate change

Value chain greenhouse gas emissions

						(ktCO2e)
		2019	2020	2021	2022	2023
Direct emissions from corporate activities (Scope 1 + Scope 2)		815	737	701	666	566
	Scope 1 (Emissions from use of fuel)	377	357	353	361	353
	Scope 2 (Emissions related to purchase of power and steam)	439	380	348	304	212
Indirect emissions (Scope 3)		3,762	3,474	3,309	3,444	3,376
	Products and services purchased (Category 1)	2,568	2,390	2,281	2,357	2,253
	Transportation and delivery (upstream) (Category 4)	520	486	434	428	415
	Transportation and delivery (downstream) (Category 9)	294	281	273	267	246
	Product use/disposal (Category 11, 12)	64	60	64	63	65
	Other (Category 2, 3, 5, 6, 7, 8, 10, 13, 14, 15)	316	257	257	330	397
Emissions (Scope 1	from entire value chain + Scope 2 + Scope 3)	4,577	4,211	4,010	4,110	3,942

Trend in value chain greenhouse gas emissions



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*1 This region covers the Oceania region where Lion conducts business activities.

Ratios of greenhouse gas emissions in value chain (2023)



Message from Top Management





direct emissions -O- intensity



Kirin Group total direct emissions by business segment

(Scope1 + 2)

Kirin Group total Scope 3 emissions by business segment



CO₂ emissions associated with domestic transportation



Ratio of renewable energy to total electric power used in the Kirin Group as a whole



We provide the latest updates on our initiatives related to climate change on the following website. https://www.kirinholdings.com/en/impact/env/3_1/

