

Formulation of the “Glico Group Environmental Vision 2050”

In March 2021, the Glico Group established a medium- to long-term vision for the year 2050 in four fields based on our key issues. We will pursue corporate activities that preserve the global environment for the future.

Glico Group Environmental Vision 2050

We will fulfill our responsibilities to realize a resource recycling society.



The Glico Group’s Medium- to Long-term Quantitative Environmental Goals and Initiatives

Based on the Environmental Vision, we have formulated following medium- to long-term goals and KPIs. We will head forward to achieve these goals and implement activities for contributing to a sustainable society.



FY2030 Target

CO2 Reduction Amount **-30%**

CFC Substitute **Eliminate Refrigerant R22**

FY2050 Target

-100%

All figures are compared to 2013

Natural Refrigerant **100%**



-10% Output Level
(Water Consumption t/Production Weight t)

-20% Output Level
Zero Water Pollution

All figures are compared to 2013



Single-Use Plastics

-25%
FY2024 Target
Plastic Recyclable Material(Linear)

Recycled Raw Materials (Circular) **100%**

FSC Certified Paper **100%**
Paper

FSC Certified Paper **100%**

All figures are compared to 2017



-95%

-95%

All figures are compared to 2015

<Initiatives>

1

Greenhouse Gas Reduction Addressing Climate Change

The Glico Group manages the amounts of electricity, natural gas, and other energy used in our business activities, in order to reduce CO₂ emissions. When implementing the new equipment at our factories and other facilities, we shift to take high consideration that the equipment to be environment-friendly, such as energy-saving or non-fluorocarbon types. We focus to achieve a 100% reduction in greenhouse gases (such as CO₂ and fluorocarbon gases) by 2050 through means such as switching to renewable energy, enhancement of efficiency using cogeneration systems, and replacement of refrigerators.

[>>Efforts to Address Climate Change \(Japanese\)](#)

2

Sustainable Use of Water Resources

The Glico Group reduces the usage of water at some of our factories, such as reusing wastewater for the cooling of refrigeration equipment. We focus to reduce our unit consumption of water by 20% and achieve zero water pollution by 2050 through means such as the adoption of air-cooled systems and improvement of water treatment technology.

[>>Effective Utilization of Resources \(Japanese\)](#)

3

Sustainable Use of Container and Packaging Resources

The Glico Group is pursuing improved containers and packaging and is also making actions to lower environmental impact by reducing the amount of packaging. We focus to completely replace plastic with recycled materials and paper with Forest Stewardship Council (FSC)-certified paper by 2050 through reductions in alignment with production technology improvement and the review of existed standards, as well as a shift to biomass materials.

[>>Reduction in Environmental Impact of Products and Services \(Japanese\)](#)

4

Reduction of Food Loss/Waste

The Glico Group reduces food loss/waste generated during the production process, and through systems that do not maintain excessive stocks by enhancing the accuracy of demand-supply projections. We focus on initiatives to eliminate disposal, such as increasing supply chain efficiency and improving the accuracy of demand-supply projections, and also undertake outlet sales of products with minor flaws that have no quality issues as irregular ones. Through these initiatives, we aim to achieve a 95% reduction in food loss/waste by 2050.

[>>Efforts to Reduce Food Loss \(Japanese\)](#)

Process of Formulating the Environmental Vision and Medium- to Long-term Quantitative Environmental Goals

With the Subcommittee on the Environment of the CSR Committee playing a central role, we conducted analysis of long-term environmental assessments while receiving advice from experts and developed drafts of the Environmental Vision and medium- to long-term goals. The Vision and goals were formulated in March 2021 after the drafts were discussed by the CSR Committee and Board of Directors.

