

Environmental Initiatives

The SHARP Eco Vision 2050, Our Long-Term Environmental Vision

From Increasing Shared Environmental Values to SHARP Eco Vision 2050

Sharp pursued an environmental policy of increasing green shared value, a material issue adopted in fiscal 2013. Here, we endeavored increasing our contribution of reduced greenhouse gases through energy-saving and energy-creating products in excess of emissions stemming from our business activities throughout the supply chain.

In the meantime, climate change, resource depletion, marine plastics, and other environmental issues have become recognized global-scale social issues. Global movements toward resolving social issues, including Sustainable Development Goals and the Paris Agreement* on reducing greenhouse gas emissions, gained momentum.

In response, Sharp revised our environmental policy, announcing the SHARP Eco Vision 2050, our long-term environmental vision toward the year 2050. This is our aspiration to help create a sustainable global environment, providing clean energy to the world, while minimizing the environmental impact of greenhouse gases and waste products resulting from corporate activities.

Sharp is engaged in initiatives to solve social issues and raise sustainable corporate value. We are doing so by developing technologies, creating products, and delivering services that preserve the environment through our business activities, while working more closely with our stakeholders.

*An international framework for the prevention of global warming, ratified at the 21st Conference of the Parties of the UNFCCC (COP21), held in Paris in 2015.

Long-Term Environmental Goals

Toward achieving the SHARP Eco Vision 2050, we have defined long term goals in the three following areas to generate clean energy in excess of energy consumed and minimize the environmental impact of business activities on the global environment.

Climate Change



Throughout our history, Sharp has endeavored to reduce the energy we use as an organization, while making more energy-efficiency products to help reduce the amount of energy consumed in the home and by society.

As our founder, Tokuji Hayakawa, said, "Everything we produce uses electricity. As we become a bigger company, we will be responsible for using more electricity, so I propose that we also begin making electricity." Following this course, Sharp began development of solar batteries, striving to popularize solar energy for more than 50 years.

As a company that makes products that use electricity, we must take responsibility for the environmental impact of this electricity usage.

Sharp set two goals to achieve by the year 2050 as we strive further to reduce energy consumption and generate clean energy, contributing to a carbon-free society.

Goals

- Generate clean energy in excess of the energy consumed throughout our supply chain
- Achieve net zero CO₂ emissions due to our own business activities

Resource Recycling



Sharp has created new products that offer a variety of value to the world. At the same time, we have used many of the world's limited resources.

Our desire is to continue to offer a variety of value to our stakeholders amid the constraints of limited resources.

Sharp intends to reach new levels of effective resource use, maximizing value from minimal resources. We have defined two goals to achieve by the year 2050 in efforts to create a recycling-oriented society.

Goals

- Eliminate the use of new mined resources* in products
- Eliminate final disposal of waste products generated through our business activities

* Excludes those items not suitable for recycling from an environmental standpoint.

Safety and Security



Sharp factories use a variety of chemical substances in the product manufacturing process. Our products also contain a variety of chemical substances that have a negative impact on the human body, the environment, and ecosystems. Accordingly, these chemicals must be managed in a careful and detailed manner.

Sharp corporate activities must not do harm to human health, the global environment, or ecosystems.

Sharp follows current international standards, as well as our own standards oriented toward the future, for the strict management of these relevant chemical substances. We are striving to eliminate any chemicals that harm human health, the global environment, or ecosystems.

Goals

- Conduct proper management of chemical substances to protect human health, the global environment, and ecosystems

Environmental Initiatives

Relationship between Climate Change and Business

Sharp recognizes the risks and opportunities related to climate change as material management issues. Sharp established the SHARP Global SER Committee*1 as part of governance to investigate risks and opportunities, assessing risks and opportunities comprehensively over the medium to long term. We categorize and investigate climate-related risks in two major categories, risks related to the transition to a carbon-free economy and risks caused by the physical impact of climate change. Our definitions are in line with categories under the Task Force on Climate-related Financial Disclosures (TCFD)*2. Further, we believe that mitigating climate change through products and services is an opportunity, and we are engaged in this pursuit.

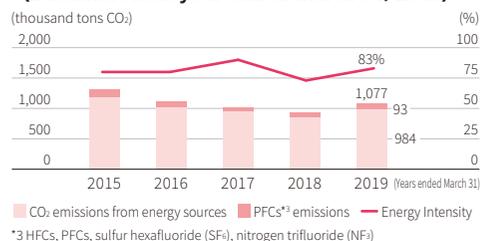
*1 See P.10 (CSR Management Promotion Framework)

*2 Climate-related financial disclosure task force formed by the Financial Stability Board (international body that works toward financial systems stability) in 2017.

Suppress Greenhouse Gas Emissions Associated with Business Activities

Sharp suppresses greenhouse gas emissions associated with our business activities, contributing to a carbon-free society. Sharp greenhouse gas emissions in fiscal 2018 increases 14.6% year on year to 1.08 million tons CO₂. This increase was due to the acquisition of a subsidiary, which expanded the scope of data included in our calculations. Our improvement rate of energy intensity was 17% compared to a fiscal 2012 baseline.

Greenhouse Gas Emissions and Energy Intensity (Baseline: Fiscal year ended March 31, 2013)



Develop Environmentally Conscious Products and Devices

At Sharp, we call our environmentally conscious products as Green Products (GP). All product design departments use the GP Guidelines, which defines development and design policies across seven concepts*4. Further, Sharp certifies products that offer particularly high levels of environmental performance as Super Green Products (SGP). We are engaged actively in developing SGPs.

*4 Energy-saving/energy-creating, resource conservation, recyclability, safe use and disposal, use of green materials and devices, environmentally conscious batteries, showing eco information on products

Fiscal 2018 Certified Super Green Products (Partial List)



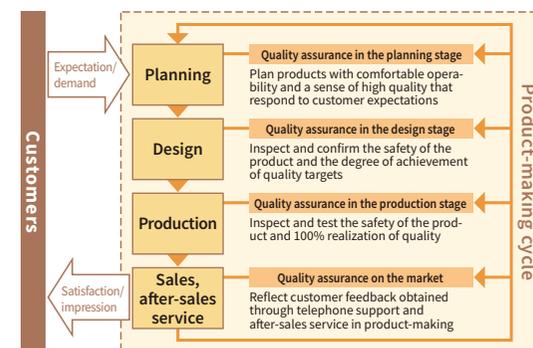
Social Initiatives

Ensuring Quality and Safety

To gain customer trust and improve satisfaction, Sharp responds to customer needs and demands, offering high-quality products and services that are safe, reliable, and environmentally conscious.

Quality Assurance System

Sharp specifies the quality levels we promise to customers, thereby ensuring all employees in every department involved in product planning, design, production, sales, and after-sales service continue to strive for improved quality.



Human Resource Development

Sharp strives create a learning environment in which any individual has access to self-driven learning tools related to both basic and expert knowledge related to their work. In this way, we foster professionals who are well versed in their businesses. We aim to transform into a strong company through human resource development and enhancement to foster strong individuals, creating a climate of mutual teaching and learning through sustained personnel, education, and training systems.

