



Sustainable Value Plan 2030

Reduce our own environmental impacts and contribute to the resolution of environmental issues.

Environment

Social Issues

Since the Industrial Revolution, we have experienced large improvements in our lives, but at the same time, this has caused a range of environmental issues. Continuing rises in sea levels and extreme weather resulting from climate change, depletion of our land resources, destruction of our forests, water pollution and depletion of water resources and changes in our ecosystems are taking place on a global scale. The Paris Agreement calls for action by all countries to reduce greenhouse gas emissions. The international society must take action to resolve both the issues resulting from our economic activities and environmental issues to guarantee sustainable development into the future.



Fujifilm Group's Goals under SVP 2030

(Priority Issues)

1. Address climate change.
2. Promote recycling of resources.
3. Address energy issues toward a non-carbon society.
4. Ensure product and chemical safety.

To achieve sustainable development, the whole of the Fujifilm Group around the world is working on various environmental issues under its Green Policy so that it can also be the leading company in the environmental field. In addition to reducing the environmental impact of our production activities, we are focusing on cutting CO2 emissions and making effective use of water and other resources across the entire product lifecycle, reaching as far as the use and disposal of our products by our customers. We are also developing products and services that offer outstanding energy-saving and resource saving results that will contribute to reducing the environmental impact for society as a whole. In R&D we are developing new technologies to resolve environmental issues including energy issues.

The Key Points in FY2018 Activities

OUTPUT

OUTCOME

Established a renewable energy usage target.



Promoted renewable energy usage.

Started the new certification system for environmentally conscious products.



Contributed to CO2 emissions reduction in society.

Developed an alternative animal testing method.



Promoted the 3R principles* in animal testing.

* 3R principles in animal testing: Replacement, Reduction, and Refinement.

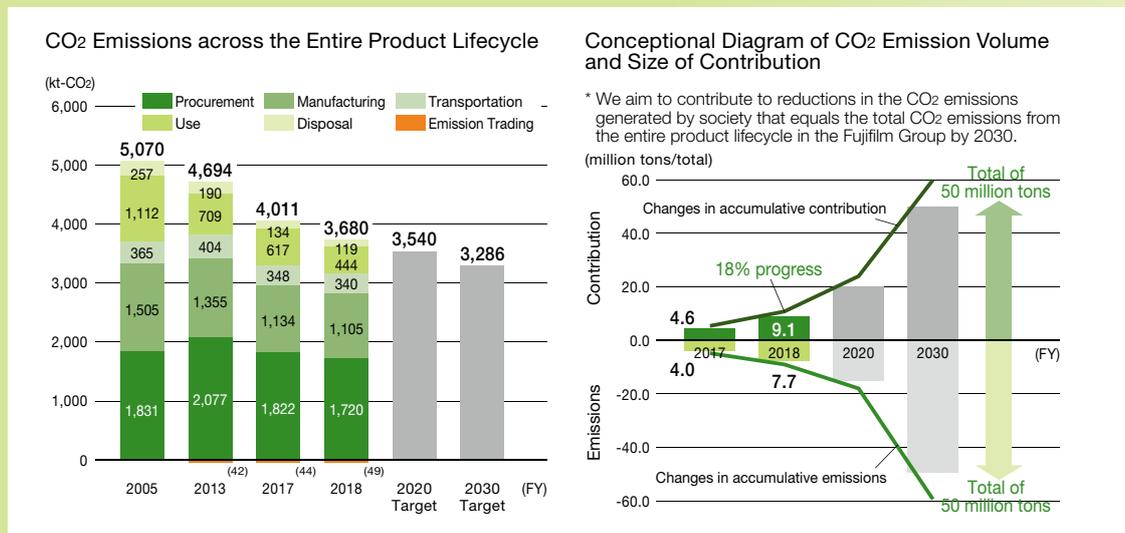


Address Climate Change

Target for 2030

- (1) Reduce the Fujifilm Group's CO₂ emissions by 30% by FY2030 (compared to the FY2013 level).
- (2) Contribute to a reduction in the CO₂ emissions generated by society by 50 million tons by FY2030.

The Fujifilm Group has set new targets to create of a carbon neutral society aimed at by the Paris Agreement. Along with CO₂ emissions reduction across the entire product lifecycle (from material procurement, product manufacturing, transportation, use and disposal), we are continuing to actively reduce CO₂ emissions in society through providing our products and services. At the manufacturing stage, we direct our efforts at using lower carbon energy sources, including adopting and utilizing renewable energy, in addition to the promotion of energy saving and efficient energy usage.



Outline of Activities in FY2018

- Dissemination and expansion of energy-saving measures at production sites. (Energy loss reduction by rationalizing chillers and air conditioners, Energy saving by revising production conditions)
- Endorsed the recommendations by the Task Force on Climate-related Financial Disclosures (TCFD).
- Established a renewable energy usage target, and joined RE100, a global corporate leadership initiative bringing together influential businesses committed to 100% renewable electricity (see Page 15).
- Installed a solar power generation system in FUJIFILM Printing Plate (China) Co., Ltd.
- Started the Fujifilm Group "Green Value Products" Certification Program.
- Fujifilm received the GP Equipment Environmental Awards under the Green Printing Certification Program 2018.
- Fuji Xerox received the 2018 Minister of the Environment's Award for Global Warming Prevention Activity.



Solar power generation system installed in FUJIFILM Printing Plate (China) Co., Ltd.

► **Related Data and Information:**

Management Performance Page 49 *Climate Change Strategy*, Page 58 *Product Stewardship (Design for Environment)*

Future Activities and Targets

- Further disseminate and enhance energy-saving measures at production sites.
- Seek the further opportunities and actual utilization to achieve renewable energy usage targets (Procuring renewable energy-derived electricity and installation of renewable energy facilities).
- Promote creation of environmentally conscious products through the "Green Value Products" Certification Program.



Reduce the Fujifilm Group’s CO2 Emissions

In FY2018, CO2 emissions from the entire product lifecycle in the Fujifilm Group achieved a large reduction of 8.3% over the previous year. Our target was “Reduce the Fujifilm Group’s CO2 emissions by 30% by FY2030 (compared to the FY2013 level)” and our actual achievement so far against this target is 22%. Companywide efforts in our continuing energy-saving activities were particularly significant for emissions reduction in the production stage of our product lifecycles. In FY2018, Fujifilm’s Kanagawa Factory succeeded in dramatic energy conservation through the reuse of heat employed in the efficient air dryer needed in the magnetic tape coating process and the introduction of air blowers that are able to control the air flow flexibly to correspond with the solvent evaporation volume.

We are actively involved in introducing renewable energy, represented by FUJIFILM Manufacturing Europe B.V. converting 100% of its power consumption to renewable energy in FY2016 and FUJIFILM Printing Plate (China) Co., Ltd. installing a large-scale solar power generation system. At briefings for suppliers and in works to deal with climate change throughout the supply chain, the Fujifilm Group also encourages its suppliers to install energy-saving and renewable energy systems that incorporate the energy-saving technologies held by FUJIFILM Engineering Co., Ltd.

A renewable energy usage target was established by the Fujifilm Group in January 2019 (see Page 15). We will work to reduce our CO2 emissions through both the pursuit of energy conservation and the introduction of renewable energy sources.

The Fujifilm Group received certification from Science Based Targets (SBT), the climate change initiative in collaboration with We Mean Business*, for its activities to reduce CO2 emissions by 2030, demonstrating its commitment to responsible contributions to climate change control measures.

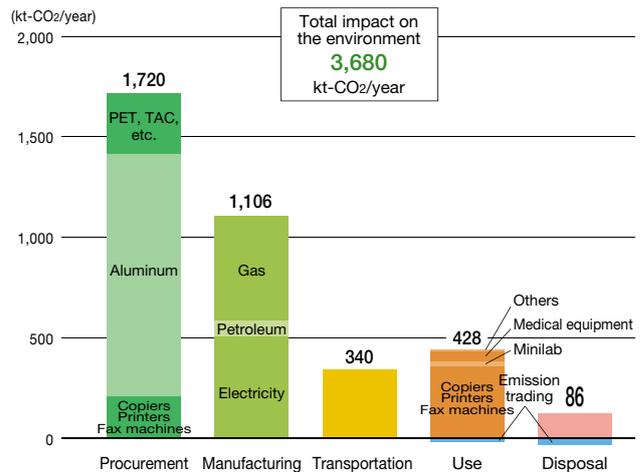
*We Mean Business: An environmental platform operated by international organizations, think tanks, and NGOs that are promoting global warming countermeasures among corporations and investors.

Contribute to a Reduction in the CO2 Emissions Generated by Society

The Fujifilm Group progressively reduces environmental impact from its products and services according to the internal rules and guidelines for the Design for Environment. In FY2018, we started the “Green Value Products” Certification Program, an internal scheme that certifies products that reduce environmental impact, as further efforts to create our environmentally conscious products and disclose such product information. The Program certified 92 Green Value Products in FY2018 (see Page 15).

Further, the total amounts for the FY2017-FY2018 target of “Contribute to a reduction in the CO2 emissions generated by society by 50 million tons by FY2030” was 9.1 million tons, which marked 18%

FY2018 Results for Fujifilm Group



* Trading emissions are allocated to Use and Disposal.

progress. The major products that contributed to CO2 emissions reduction in society are as follows.

- Data Archive Storage System: Energy saving by converting archive data from a server to magnetic tape.
- Process-less CTP plate (printing material): Resource and energy usage reduction by eliminating the development process.
- Multifunction devices and related solutions: Improvement in energy-saving performance, utilization of recycling devices, and resource & energy saving by solutions to manage the optimum printing environment.
- Medical IT systems: Resource & energy saving by streamlining business processes.

In the document solutions business, we developed the Managed Print Service (MPS), which realizes energy saving, resource conservation, and users’ productivity enhancement through integration and involvement of the recycled device business and the comprehensive office device management business that offers the optimum printing environment. This business model received the 2018 Minister of the Environment’s Award for Global Warming Prevention Activity (Countermeasure Technology Introduction and Dissemination) in recognition of the significant contribution in protection of the global environment and work style reforms through optimization of the office printing environment.

We have also been enhanced the carbon offsetting* as one of our CO2 emissions reduction schemes in the areas of cosmetics since FY2016 and process-less CTP plates since FY2018. We will continue working on CO2 emissions reduction in those two areas together with our customers.

* Carbon offsetting: A scheme to offset a volume of CO2 emissions that could not be reduced regardless of reduction efforts, out of the recognized emission volume associated with daily life and economic activities. To offset some CO2 emissions, we use amount gained through other CO2 reduction activities. Our offset activities are registered in the Carbon Offsetting operated by the Ministry of Economy, Trade and Industry.

Priority Issue 1

Conversion to Renewable Electricity

The Fujifilm Group joined RE100 that aims at 100% renewable electricity in business

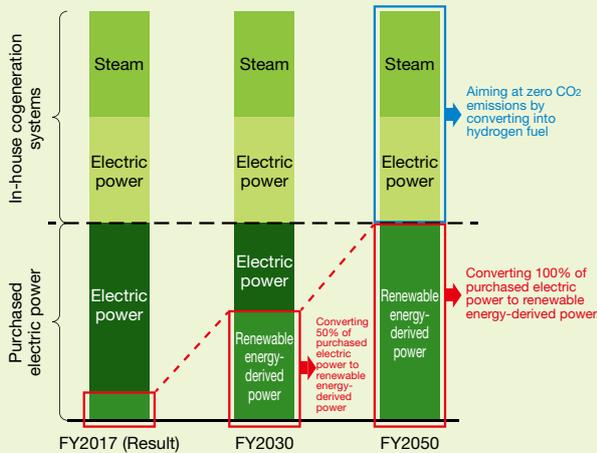
The Fujifilm Group has been shifting to renewable electricity derived from solar and wind power generation, and we set a renewable energy usage target in January 2019. Our target is to convert 50% of purchased electric power to renewable energy-derived power by FY2030, and convert all of purchased electric power to renewable energy-derived power by FY2050. We also aim at zero CO₂ emissions from any energy we utilize by

employing new technologies, such as converting fuels in our in-house cogeneration systems*1 into hydrogen.



As part of these efforts, FUJIFILM Holdings has joined the RE100*2, an international initiative that aims to make the electricity used in business activities 100% renewable. The above target has been certified by The Climate Group, an international NPO that runs RE100, as an effort in line with the purpose of RE100. Our participation in RE100 demonstrates our carbon neutral approach to society, taking important initiatives toward realizing a carbon neutral society.

Fujifilm Group's Energy Consumption in the Future



*1 In-house cogeneration systems: To manufacture the many highly functional films offered by the Fujifilm Group, it is necessary to maintain high temperatures during their production process utilizing high-temperature steam. A cogeneration system is effective for this as it can produce both high-temperature steam and electricity, which is used for other processes at the same time. This helps maintain highly efficient energy usage in our production sites.

*2 RE100: An initiative operated by The Climate Group, an international NPO that promotes climate change countermeasures, in partnership with CDP, another international NPO that encourages companies to manage and disclose their environmental impact information. Members are companies that aim to make the electricity used in their business activities 100% renewable.

Priority Issue 1

New System to Certify Environmentally Conscious Products

Degree of contribution to reduce environmental impact clarified with three-level evaluation

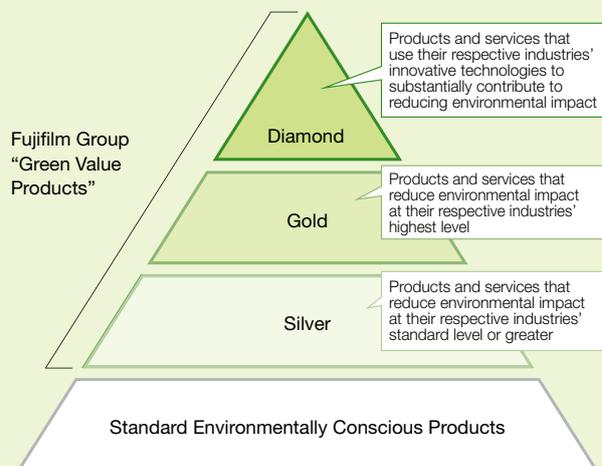


In FY2018, the Fujifilm Group introduced its "Green Value Products" Certification Program, which sets internal rules for environmentally conscious products. The program specifies assessment criteria for each product group, in which the assessment weight varies according to the product's usage and characteristics as determined from a product lifecycle perspective. With these assessment criteria, the Design for Environment for each product is assessed during the product development process. This clarifies the product's environmental value and the overall score obtained from the points for each assessment item certifies three product ranks.

In FY2018, the SUPERIA ZN-II system for process-less CTP plates for newspaper printing was certified with the highest Diamond rank. This was due to resource conservation, energy savings, waste savings and water savings achieved by eliminating the development process. Ninety-two products were certified with the Gold rank, including the sheet-fed digital inkjet press Jet Press 750S with its significant energy saving performance, the Data Archive Storage System which contributes to reducing CO₂ emissions in society, and the ApeosPort/DocuCentre-V1 C7773/7771 series of color multifunction devices for their high energy saving performance and

usability as well as their advanced quietness.

We continue use this program to develop and distribute products and services that reduce the environmental impact from the development stage.



Development and Dissemination of Environmentally Conscious Products and Services

https://www.fujifilmholdings.com/en/sustainability/vision/greenpolicy/eco_products.html