

Environment



Reduction of Environmental Impact

The Teijin Group places our highest priority on the environment, as described in our Corporate Philosophy, and we will proactively advance environmental management that is integrated into our business strategies.

Basic Stance

The Teijin Group is globally expanding its wide range of businesses, including materials, healthcare, and IT, to name just a few, and these business activities have an impact on the earth's environment.

Consequently, the Teijin Group will recognize its environmental impacts and work towards finding a variety of solutions. While making the guarantee of safety a basic foundation, the Teijin Group will strive to achieve a society manifesting "low carbon," "effective materials circulation," and "existence in harmony with nature," and work towards the sustainable development of both society and the Company.

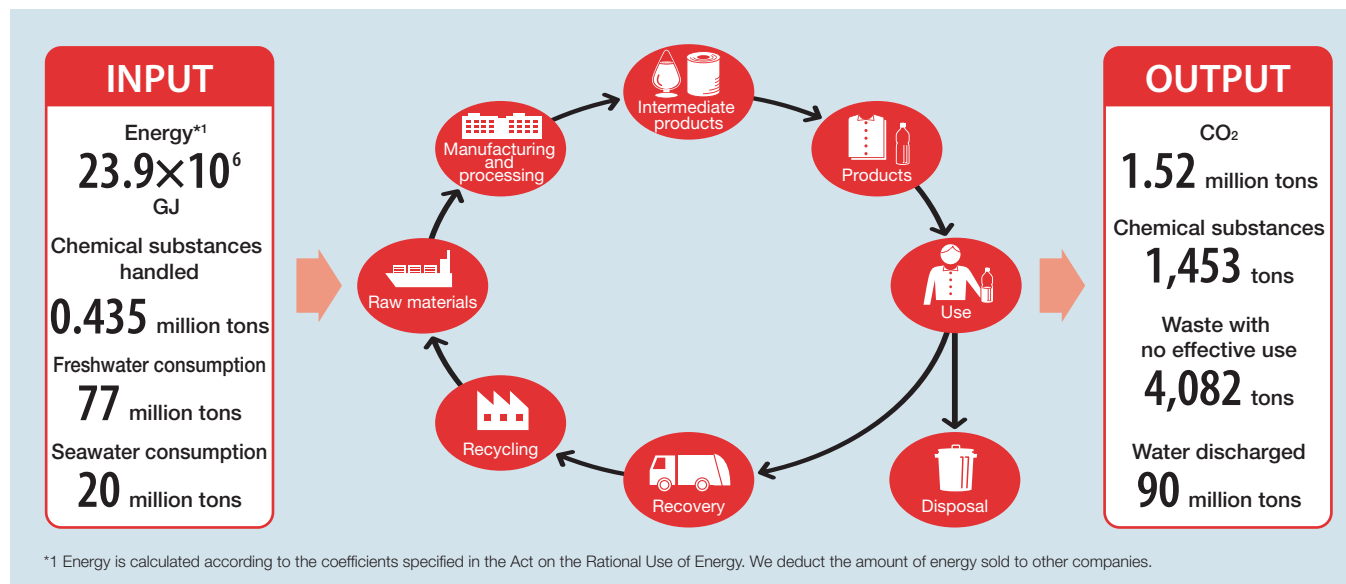
Environmental Management and Reduction of Environmental Impact

The Teijin Group considers that environmental management refers to reducing environmental impact over the entire life cycle of products, including all processes from material procurement to production, use and disposal. We are working to integrate this with the Teijin Group's overall management strategy, provide environmental value solutions, reduce environmental impacts, conserve biodiversity, and promote environmental education and communication.

We are working to conserve energy, to use various resources effectively, to minimize emissions of chemical substances into the environment, to manage and reduce waste materials, to prevent soil and underground water pollution, and to conserve biodiversity.

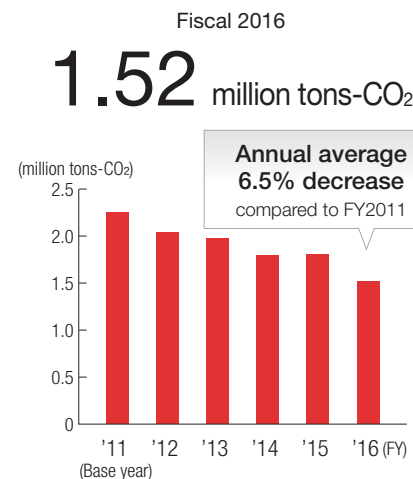
Environmental Impact during Manufacturing in FY2016 by Input/Output ★

★...Items for independent assurance



Climate Change Initiatives

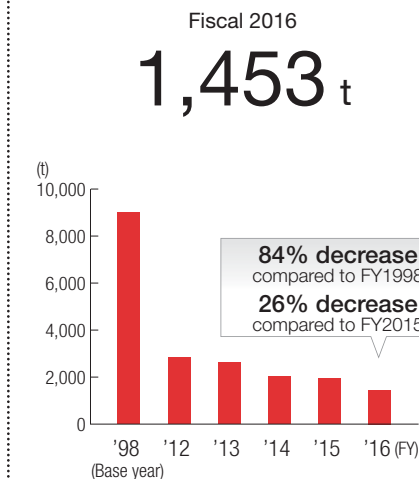
Greenhouse Gas Emissions from Manufacturing Operations*1★
Achieve CO₂ emissions reduction ratio of 1% or more per year
(compared to the level in the base year in fiscal 2011)



The Teijin Group is working to reduce its greenhouse gas emissions released during manufacturing, both in Japan and overseas. In fiscal 2016, we decreased CO₂ emissions by a fuel conversion of in-house power generation equipment at the Mishima Factory of Toho Tenax Co., Ltd. In addition the impact of the shutdown of the Singapore plant has been a reduction of CO₂ emissions.

Reducing Chemical Substance Emissions

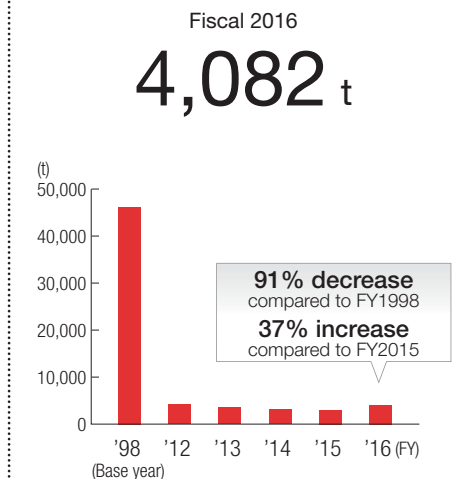
Emissions of Chemical Substances into the Environment*2★
By fiscal 2020,
reduce by 80% or more
(compared to fiscal 1998 level)



We are actively committed to reducing emissions into the environment, covering 575 chemical substances. These 575 chemical substances include the Class 1 designated chemical substances pursuant to the Law Concerning Reporting, etc., of Release to the Environment of Specific Chemical Substances and Promoting Improvements in their Management (462 substances: revised in April 2010) and the chemical substances designated by the Japan Chemical Industry Association (433 substances). (Some substances are designated in both, hence the numerical discrepancy.)

Management and Reduction of Waste

Waste with No Effective Use*3★
By fiscal 2020,
reduce by 85% or more
(compared to fiscal 1998 level)



The Teijin Group is committed to reducing the amount of waste it generates, as well as to reducing "waste with no effective use" through promoting a shift to reuse and recycling. In fiscal 2016, the amount of "waste with no effective use" was increasing due to temporary factors such as the launching of new production lines.

*1 Includes CO₂, methane and nitrous oxide. CO₂ emissions are calculated according to the coefficients specified in the Law Concerning the Promotion of Measures to Cope with Global Warming. (Up to fiscal 2014, an emissions coefficient for electricity of 0.555 kg CO₂/kWh was used; in fiscal 2015, 0.579 kg CO₂/kWh was used. In fiscal 2016, in Japan the post-adjustment emissions coefficient by an electric power supply company was used; overseas an IEA-announced country-specific emissions coefficient was used (2014 values).) However, for power purchased overseas, where known, the relevant emissions coefficient is used for the calculations. We deduct an amount of CO₂ emissions equivalent to the amount of energy sold to other companies.
*2 The total amount of chemical substances released into the atmosphere, water and soil, and forming landfill inside business sites.
*3 "Waste with no effective use" refers to waste incinerated without heat recovery and waste for landfill.

CLOSE - UP

Won EcoBalance Award



We earned the EcoBalance Award for Best Business Practices at the EcoBalance conference in Kyoto in October 2016. We received it for our Customer Benefit Model, a method for increasing benefits for customers including economic value and environment-friendliness, as well as for being an evaluation example of the environmental impact reduction of tire cords by using the model. We were highly commended for comparing with conventional products the two aspects of the effect of the CO₂ emissions reductions and the economic value over the entire life cycle from both the perspective of producers and users.