



Eco-Factories & Offices

Through the entire production process of products, we work to save energy and enhance facilities in an attempt to prevent global warming and to reduce industrial waste.

Operations and Environmental Loads

In conducting its operations, our Group expends resources and energy to provide products and consequently discharges CO₂ and wastes. The production sites of the Company and the Group monitor the inputs and outputs of such elements, and work to reduce hazardous chemical

substances and increase energy efficiency.

For information on the procurement of raw materials and the reduction of environmental impact by our products, see "Promoting CSR Activities in Our Supply Chain," and "Eco-Friendly, Next-Generation Products," respectively.

Input		
Energy		
Electricity	32,421MWh [315,481GJ]	(-1%)
Fuel oil (heavy oil, kerosene)	176kL [6,752GJ]	(-9%)
Gas (city gas, LPG)	84,000m ³ [6,670GJ]	(-5%)
Raw materials		
Materials and parts	2,738t	(28%)
Package materials	171t	(-46%)
Papers	45t	(4%)
Chemical substances		
PRTR ^{*1} -specific chemical substances handled	3.4t	(-14%)
Water		
Tap water, underground water	149,000m ³	(-6%)
Tap water	135,000m ³	
Underground water	14,000m ³	

Operations of
the Company
and the Group
companies

Products/
Services

Output		
Exhaust gas		
CO ₂ emissions ^{*2}	14,733t	(-1%)
Direc CO ₂ emissions	825t	
Indirect CO ₂ emissions	13,909t	
SOx	96Nm ³	(3%)
NOx	235Nm ³	(3%)
Waste and valuables		
Release	802t	(-22%)
Final disposal	4t	(12%)
Chemical substances		
Release, transfer, and recycle of PRTR-specific chemical substances	0.8t	(17%)
Drainage		
Amount of drainage	149,000m ³	(-6%)
Sewage	37,000m ³	
Discharged to rivers after purification	106,000m ³	
Underground seepage, etc.	6,000m ³	
BOD	0.51t	(82%)
COD	0t	(0%)

*1 PRTR : Pollutant Release and Transfer Register

*2 CO₂ emissions : Emissions were calculated based on the 2005 emission coefficients for electric power by country published by IEA.

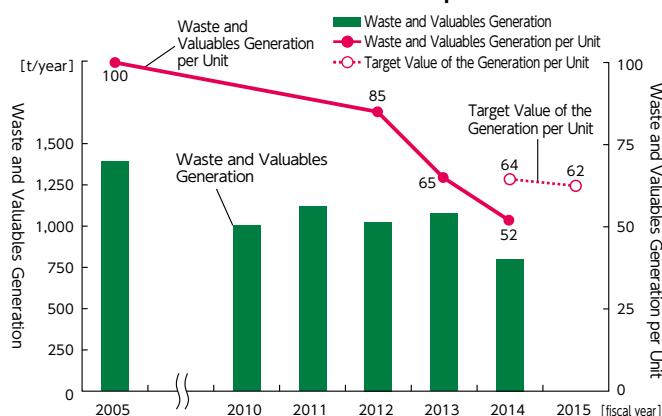
The values in parentheses show the changes from fiscal 2013.

Reduction of wastes

At production sites of the Company and the Group companies, we have strived to reduce Waste and Valuables Generation per Unit since fiscal 2011, one of the revised indices according to the activities of the Hitachi Group in fiscal 2013, and set a goal of improving it by 38% in fiscal 2015 comparing to that in fiscal 2005.

While we had the goal of improving the value for Waste and Valuables Generation per Unit between fiscal 2005 and 2014 by 36%, we actually improved it by 48%, through recycling paper and magazines, providing e-learning on waste segregation, and reducing the amount of packing materials used for transporting overseas products, thus achieving the goal.

■ Improvement in the amount of Waste and Valuables Generation and that per Unit



Introduction of integrated waste management service

To ensure efficient waste management at factories and offices and to reduce compliance risk, we have promoted the introduction of an electronic manifest and the expansion of its application. In fiscal 2014, as the next step, in order to strengthen the management of waste generated from equipment installation work we perform around

the country, we introduced an integrated management service for industrial waste. This enables us to visualize the entire process of industrial waste management (consignment contract for waste disposal → discharge of wastes → confirmation of proper disposal → payment), thereby improving our compliance level.



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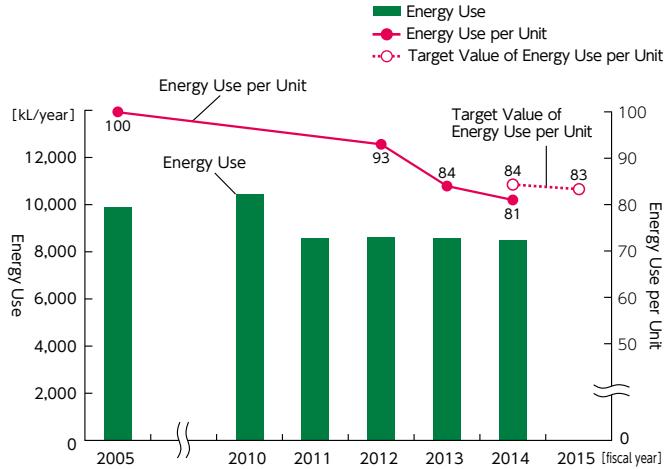
Prevention of Global Warming (Energy-saving Efforts)

The production sites of the Company and the Group companies conduct activities to reduce the energy used at the product manufacturing stage. In fiscal 2013, we revised indices according to the activities of the Hitachi Group, and set a goal of improving Energy Use per Unit by 17% in 2015 comparing to that in fiscal 2005.

In fiscal 2014, we made efforts to attain a goal of improving Energy Use per Unit by 16% from fiscal 2005, and succeeded in improving it by 19%.

As efforts regarding facilities in fiscal 2014, in addition to the existing 100-kW solar power generation equipment installed at the Tokyo Works during the previous fiscal year, we installed another photovoltaic power generation system (6 kW) on the arcade on the south side of the West-Wing building. We also upgraded to high-efficiency air-conditioning equipment and switched to LED lighting. With regard to operations, supporting the National Campaign Against Global Warming promoted by the government since 2005, we implemented "Cool Biz" and "Warm Biz" at all our business establishments, and continued our participation in the "Light Down Campaign."

■ Improvement in Energy Use and that per Unit



Tokyo Works receives Hitachi Group "Eco-Factory Select" certification

The Hitachi Group certifies factories and offices that meet the prescribed certification criteria as "Eco-Factory & Office Select." By commanding advanced environmental activities and products/services, the Eco-Factories & Offices Select certification aims to kickstart environmental activities, improve the level of environmental activities through the roll-out of advanced practices, and enhance environmental brand value. In fiscal 2014, our Tokyo Works received the Hitachi Group "Eco-Factory Select" certification.

This certification was awarded in recognition of the Tokyo Works having met the criteria for renewable energy use (introduction of over 100 kW of renewable energy) and for recycling of waste and other resources (a final disposal rate of less than 0.1% and a 100% registration rate in electronic manifests).

The West-Wing building, which was newly constructed in the Tokyo Works in fiscal 2013, is an environmentally friendly building with (1) LED lighting throughout and (2) 100-kW solar power generation equipment on the rooftop. The operating

status of the solar power generation equipment is displayed on monitors installed at three locations within the site to appeal to visitors as a green company using renewable energy and help raise employee awareness of environmental activities. As for recycling of waste and other resources, the Tokyo Works has continued to achieve zero-emissions since fiscal 2008.



Overall view of the Tokyo Works



Eco-Factory Select certificate

Proper control of PCB-incorporating equipment

Operators owning transformers, capacitors, fluorescent lamp stabilizers, or similar equipment containing polychlorinated biphenyls (PCBs) are obligated to strictly store and control such items, and properly dispose of them by fiscal 2026 as per the Act for Special Measures for PCBs.

Our Group properly performs continuous control in locked storage facilities and conducts periodic inspection, in order to prevent loss and leakage.

In fiscal 2014, we entrusted a low-concentration PCB detoxification facility authorized by the Ministry of the Environment with the processing of high-pressure transformers containing low-concentration PCB, which had been stored by the Tokyo Works of the Company, Hitachi Kokusai Yagi Solutions Inc. and the Sendai Works of Goyo Electronics Co., Ltd. The detoxification processing was completed by the facility.

Detoxification processing was thus completed for all the low-concentration-PCB-containing devices that had been stored by the Group.



Devices containing low concentrations of PCBs being carried out of the factory