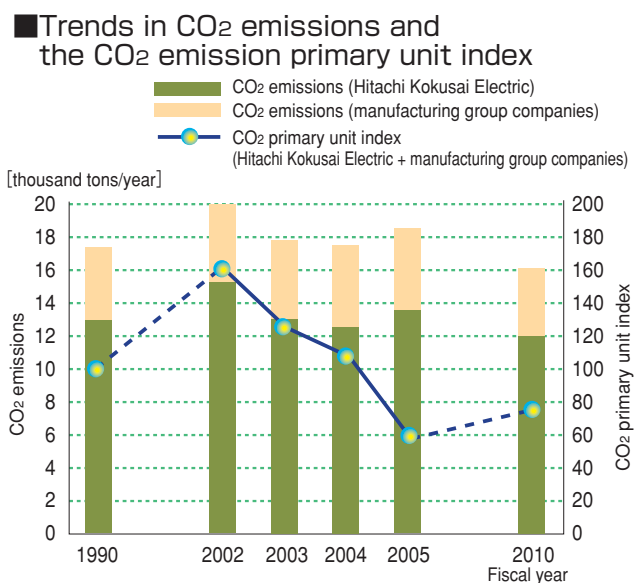


# Eco-Factories (environment-friendly production activities)

We strive for environmental load reduction by preventing global warming with power conservation and facility improvement as well as by promoting waste

## Global Warming Prevention (energy conservation)

We have set ourselves the goal of reducing our primary unit of CO<sub>2</sub> emissions in production by 25% and our volume of CO<sub>2</sub> emissions by 7% by FY 2010 compared to FY 1990 levels. The CO<sub>2</sub> emissions in FY 2005 increased by 6% compared to FY 1990 due to an increase in production. The total CO<sub>2</sub> emissions of the main manufacturing group companies was increased by 7% compared to FY 1990. We introduced the concept of real output of the CO<sub>2</sub> primary unit, which is the unified objective in the fields of electrical manufacturing and electronics, and our real output of the CO<sub>2</sub> primary unit including manufacturing group companies was decreased by 41%.



Product prices in the fields of electrical manufacturing and electronics have been remarkably lower than those in FY 1990. Therefore, the efforts to reduce CO<sub>2</sub> emissions in the concept of nominal output of the CO<sub>2</sub> primary unit have been undervalued. After considering this trend, we introduced the concept of the primary unit of real production output\* that corrects the effect caused by price fluctuation as an index approximate to the primary unit of production quantity into which efforts at saving energy can be incorporated since FY 2005.

\*Real production output = nominal production output ÷ domestic corporate goods price index of Bank of Japan (electrical machinery)

We also implemented Cool Biz from June 1 to the end of September in which we set the air conditioner temperature to 28°C and advised "No Jacket, No Tie" for all Hitachi Kokusai Electric group companies in order to participate in the national movement of Team -6% that has been promoted by the Ministry of the Environment since 2005. In addition, we turned off all the lights of company advertisements at night on Sunday, June 19 under the name of Black Illumination 2005.

### Ice thermal storage air conditioning system



An Ice Thermal Storage Air Conditioning System was installed in the new building at Koganei Works. This earth-friendly air conditioning system reduces CO<sub>2</sub> emissions that cause global warming thanks to the use of night electricity with less fossil fuel.

## Topic We participated in the CO<sub>2</sub> Reduction/Lights-Down Campaign for global warming prevention, Black Illumination 2005.

We turned off all the lights together from 8 to 10 p.m. on Sunday, June 19 under the name of Black Illumination 2005.



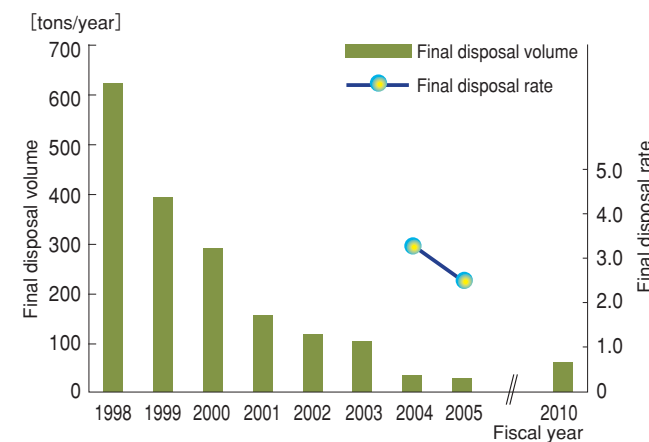
Lights off at the company advertisement at Hamura Works

reduction that is intended to achieve zero emissions.

## Waste Reduction

We are working on reducing the final disposal volume with a goal of a 90% reduction in FY 2010 compared to FY 1998. The further promotion of recycling in FY 2005 achieved a 95% reduction compared to FY 1998, which cleared our goal. We also set another goal of a final disposal rate of waste of less than 3% and started to work on it from FY 2005. We will commit ourselves to achieving zero emissions, that is, "1% or Less of the Final Disposal Rate and Less Than 5 Tons of Final Disposal Volume".

### Trends in final disposal volume



## Investigation Results of Substances Controlled under the PRTR Law

The total volume of substances we handled specified in the PRTR\* Law is 969 kg, which was increased by 12% compared to the last fiscal year. That is mainly because the increase in production volume causes the increase in xylene and toluene contained in paint. We will promote reducing paint and finding alternative substances, and continue to implement the appropriate risk management of chemicals.

\*PRTR:Pollutant Release Transfer Register

### Results of PRTR object substances release and transfer volume

Chemicals	Volume handled	Volume consumed	Volume recycled	Volume transferred	Volume released
Xylene	443	12	0	1	429
Toluene	208	2	0	29	178
Hydrogen fluoride and its water soluble chloride	260	0	0	240	20

\* Substances considerably handled are shown above

## Control of PCB-Contained Equipment

Every factory of the Hitachi Kokusai Electric group checks the quantity of transformers, condensers, and fluorescent ballast that contain PCB (polychlorinated biphenyl) in its storage every year, and reports the results to the local authority concerned. We also manage PCB-contained equipment in locked storage

facilities or storage boxes in an appropriate manner to prevent loss or leakage. To dispose of PCB waste properly, we will sign up with the Japan Environmental Safety Corporation for programmed disposal as soon as possible.

## Portable Rechargeable Battery Recycling

As a manufacturer using portable rechargeable battery products, we participate in the Collection System for Used Small Portable Batteries of limited liability intermediate corporation JBRC and work on collecting

and recycling used batteries after appointing Hamura Works, Koganei Works, and branches of Hitachi Kokusai Electric Services Inc. as collection bases.