

Reducing Greenhouse Gas Emissions

Sharp is taking active measures to restrict greenhouse gas emissions resulting from its business activities. In addition to reducing energy consumption by introducing cogeneration systems and energy-saving equipment, installing photovoltaic power systems, as well as through meticulous energy-saving activities at plants and offices, Sharp is also reducing greenhouse gas emissions such as PFCs*1 by installing scrubbers and using replacement gases with less global warming potential.

Objectives for Fiscal 2005	Achievements	Objectives for Every Fiscal Year	Objectives for Fiscal 2010
CO ₂ emissions per production unit*2			CO ₂ emissions per real production unit*3
● Domestic product sites: Reduce by 2% from previous fiscal year	➡ Approx. 12% reduction	● Reduce by 2% from previous fiscal year	● All domestic production sites: Reduce by 25% compared to fiscal 1990
● Domestic device sites: Reduce by 5% from previous fiscal year	➡ Approx. 2.5% increase	● Reduce by 5% from previous fiscal year	
● All overseas production sites: Reduce by 2% from previous fiscal year	➡ Approx. 15% reduction	● Reduce by 2% from previous fiscal year	

Domestic sites include only the business sites of Sharp Corporation. Overseas sites include Sharp subsidiaries and affiliated companies.
To reasonably evaluate the effect of controlling greenhouse gas emissions, Sharp adopts an index referred to as "per production unit."

*1 A general term for perfluorocarbon gases such as CF₄ (carbon tetrafluoride), C₂F₆ (carbon hexafluoride) and the like, which are greenhouse gases.
*2 Per production unit (t-CO₂/100 million yen) = CO₂ emission (t-CO₂) ÷ production output (100 million yen)
*3 Per real production unit (t-CO₂/100 million yen) = CO₂ emission (t-CO₂) ÷ {production output (100 million yen) ÷ domestic corporate price index (electrical equipment) determined by the Bank of Japan}

Efforts by the Sharp Group

In fiscal 2005, the Sharp Group reduced its greenhouse gas emissions per production unit by 11% compared to the previous fiscal year. It also tried to offset increases in CO₂ emissions resulting from production expansion through energy-saving measures and a large reduction of PFC emissions. However, the launch of Sharp Yonago Corporation slightly increased the total amount of greenhouse gas emissions from the previous fiscal year.

In future, the Sharp Group will work harder to control emissions and fulfill its corporate vision of "zero global warming impact by 2010."

Controlling CO₂ Emissions

Sharp's efforts to achieve Green Factory status have produced results at overseas production sites. CO₂ emissions per production unit have been reduced largely by approximately 15% over the previous fiscal year. In Japan, Sharp reduced CO₂ emissions by around 12% at product sites. The company was able to marginalize the increase of CO₂ emissions at device sites despite a large fall in shipped prices resulting from changing market conditions.

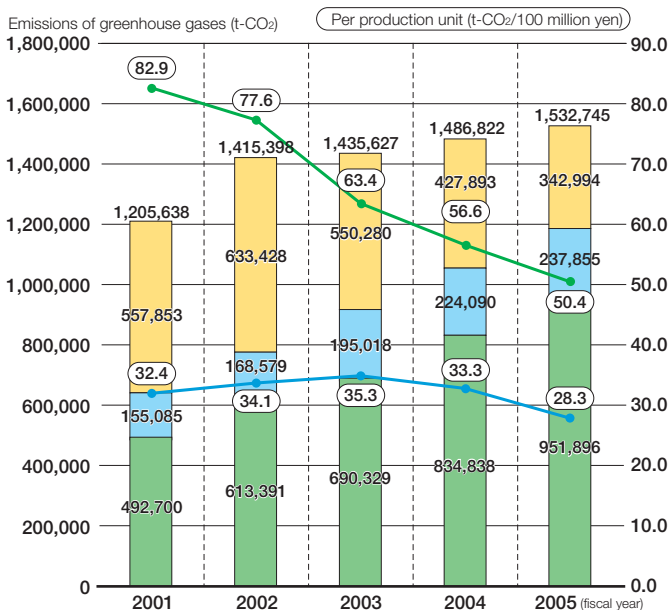
Sharp will continue working aggressively to reduce CO₂ emissions by introducing energy-saving equipment, fuel conversion and photovoltaic power systems.

Controlling PFC Emissions

Sharp reduced emissions of non-CO₂ greenhouse gases like PFCs and SF₆ by approximately 20% from the previous fiscal year by switching to gases with lower global warming potential and introducing scrubbers to decompose greenhouse gases. For decomposing greenhouse gases, Sharp adopted optimum treatment methods depending on the type or quantity of gases used, thereby achieving a decomposition efficiency rate of more than 90%.

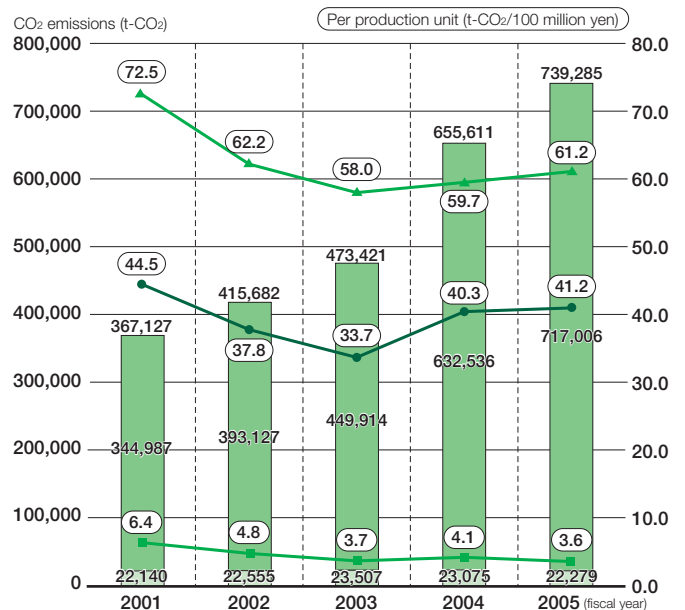
Sharp has installed scrubbers to decompose greenhouse gases in all PFC emission sources at the Kameyama Plant, where production continues to expand, as a measure to eliminate emissions.

Sharp Group's emissions of greenhouse gases and per production unit



Per production unit is calculated from production-related emissions. Figures include Sharp Yonago Corporation as of June 2005. Figures exclude domestic company dormitories as of fiscal 2003.

CO₂ emissions per production unit by business category for Sharp Corporation production sites in Japan



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Information on Web site

<http://sharp-world.com/corporate/eco/report2006> ■ Examples of reductions in greenhouse gases ■ Data on greenhouse gases