

**Preventing global warming**

← P12 CSR Policy ⑤

● **Reducing CO<sub>2</sub> emissions**

**2007 Result: Emissions: 84% of 1990 levels (Target: 93%)**  
**CO<sub>2</sub> emissions per unit of production:**  
**69% of 1990 levels (Target: 79%)**

**2008 Target: Emissions: 93% or less of 1990 levels**  
**CO<sub>2</sub> emissions per unit of production:**  
**77% or less of 1990 levels**

\* CO<sub>2</sub> emissions are calculated on a consolidated basis in Japan because overseas data for fiscal 1990 is estimated.

Based on the Kyoto Protocol targets, the Hitachi Chemical Group set its own goal of reducing CO<sub>2</sub> emissions to 93% of 1990 levels and CO<sub>2</sub> emissions per unit of production to 75% by fiscal 2010.

Toward achieving these targets, individual business sites and Group companies define their specific reduction targets in line with the Environmental Conservation Action Plan along with specific items to be implemented every year. In addition, we are improving the efficiency of reduction measures by sharing the content of actions at business sites and other locations across the Group through such channels as the Energy Conservation Committee.

We are specifically focusing on fuel conversion from heavy oil to natural gas, which offers potential CO<sub>2</sub> emission reductions of about 20% per energy unit. The Shimodate Works laid pipelines in 2006 for natural gas in cooperation with a gas company and is advancing conversion to natural

gas for through flow boilers and deodorizing equipment. The works plans to convert fuel for most combustion facilities by 2010. The Yamazaki Works and Shin-Kobe Electric Machinery Co., Ltd. are also pursuing fuel conversion to natural gas.

We are also working on raising production efficiency and expanding the use of energy-saving products.

Overseas, we dispatch specialists in production technology from Hitachi Chemical to assist in assessing energy-saving methods as production increases.

In fiscal 2007, CO<sub>2</sub> emissions from energy sources amounted to 152,000 tons on a non-consolidated basis and 331,000 tons on a consolidated basis in Japan, or 68% and 84% of 1990 levels, respectively. CO<sub>2</sub> emissions per unit of production were 52% and 69% of 1990 levels, respectively, thereby achieving our targets for both emissions and emissions per unit of production for fiscal 2007.

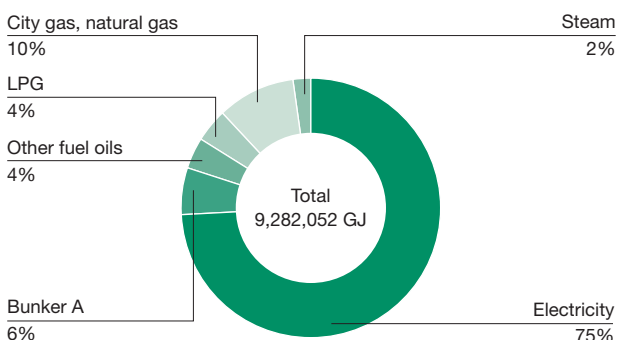
Looking ahead, we will strive to reduce emissions even further while continually improving per unit emissions.

● **Reducing other greenhouse gases**

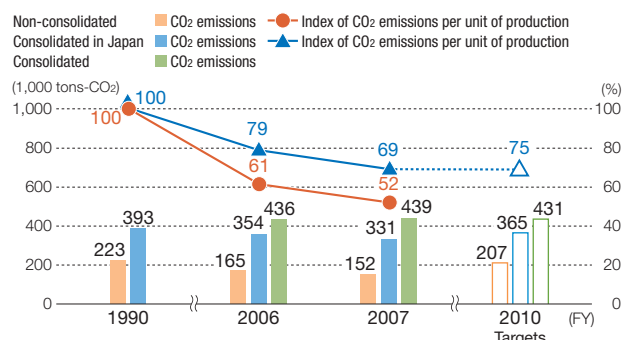
The Hitachi Chemical Group has set goals for reducing the emissions of greenhouse gases other than CO<sub>2</sub> to 10% or less of 2002 levels.

Designated chemical substances have not been used in our production process since fiscal 2003. In testing facilities, we utilize high-efficiency collection equipment for sulfur hexafluoride (SF<sub>6</sub>), resulting in total emissions of 0.05 tons, or 5.5% of 2002 levels. We intend to maintain this level going forward.

**Breakdown of total energy consumed (consolidated)**



**CO<sub>2</sub> emissions and CO<sub>2</sub> emissions per unit of production**



Target for 2010 on consolidated basis is 93% of the estimated emissions of fiscal 1990, including overseas Group companies.