

B-e-3 CO₂ Emission Reduction Initiatives

Environment

Total CO₂ emissions generated by domestic HORIBA Group companies in 2011 decreased by 0.5% compared to the previous year to 8,879 tons. Total CO₂ emissions per unit of sales declined by 5% over 2010.

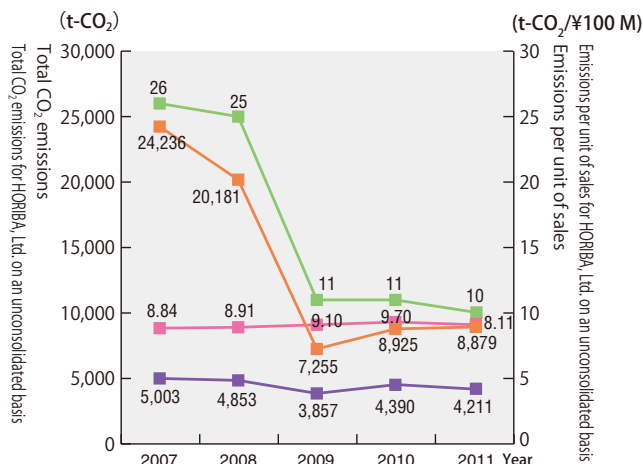
Also, CO₂ emissions for HORIBA, Ltd. alone fell by 4% compared to 2010 to 4,211 tons. Emissions per unit of sales were down 16% compared to the previous year.

The major reason for these decreases was

the effectiveness of the measures the company took to conserve electricity and save energy in response to the requests of the government and other parties after the Great East Japan Earthquake.

Total CO₂ Emissions

- Emissions per unit of sales (t-CO₂/¥100 M)
- Total CO₂ emissions (t-CO₂/year)
- Emissions per unit of sales for HORIBA, Ltd. on an unconsolidated basis (t-CO₂/¥100 M)
- Total CO₂ emissions for HORIBA, Ltd. on an unconsolidated basis (t-CO₂/year)

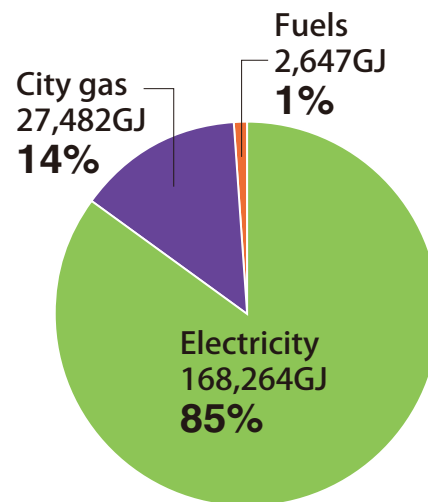


***1 CO₂ emission factor:**
CO₂ emission factor values were calculated based on the average (0.378 kg of CO₂ per kWh) for all electric companies in Japan. The official values of the Kansai Electric Power Company are adopted for the Kyoto District for 2005 onward. Values for city gas are calculated using the official values of Osaka Gas Co., Ltd from 2005.

***2 City gas consumption:**
Values are converted to those in standard conditions (0° C, 1 atmospheric pressure).

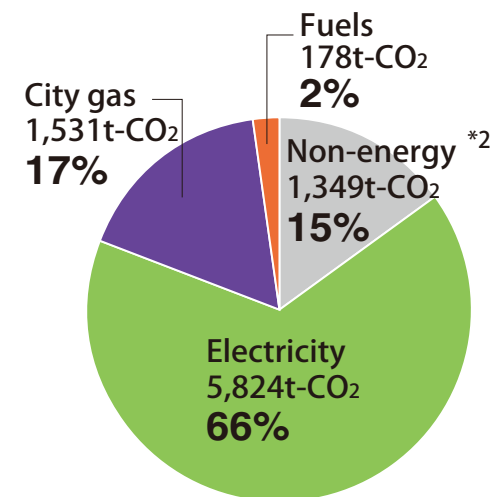
Energy Consumption by Type in 2011

(Scope: Domestic production sites*1)



Greenhouse Gas Emissions (CO₂ Equivalent) by Type of Energy in 2011

(Scope: Domestic production sites*1)



*1 Domestic production sites include the HORIBA, Ltd. head office/factory and Biwako Plant, HORIBA STEC Co., Ltd. head office/factory and Aso Factory, and HORIBA Advanced Techno Co., Ltd. head office/factory.

*2 Non-energy: Sulfur hexafluoride, perfluoromethane, etc.

KEYWORDS

Reduction in CO₂ Emissions | Energy Conservation | City Gas | Electricity