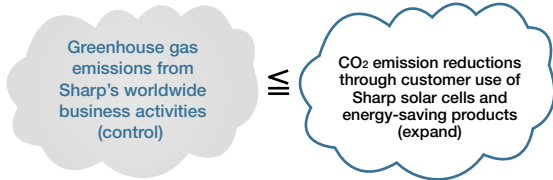


Aiming to Have Energy-Creating and Energy-Saving Products More Than Balance Out Greenhouse Gas Emissions

Corporate Vision: Sharp's Energy-Creating and Energy-Saving Products Will More Than Balance Out Sharp's Greenhouse Gas Emissions

By reducing the amount of greenhouse gases emitted as a result of Sharp's worldwide business activities to the greatest extent possible, while at the same time significantly increasing the magnitude of reductions in greenhouse gas emissions through customer use of Sharp energy-creating solar cells and energy-saving products, the net reduction in greenhouse gases will more than balance out the level of emissions by fiscal 2010.



For fiscal 2007, Sharp's greenhouse gas emissions were approximately 1.76 million t-CO₂^{*1}. In contrast, the estimated amount of electrical power generated in fiscal 2007 by solar cells manufactured by Sharp during the 20-year period from fiscal 1987 to 2006 was approximately 1,870 GWh^{*2}. This is equivalent to a reduction in greenhouse gas emissions of approximately 0.77 million t-CO₂^{*3}. In addition, the amount of reductions in greenhouse gas emissions from the effect of customer use of energy-saving products was 0.60 million t-CO₂^{*4}.

- *1 See page 34.
- *2 Calculation based on a total of 1,780 MW of solar cells produced by Sharp in the 20 years from fiscal 1987 to 2006. (Please visit Sharp's website for detailed calculation methods.)
- *3 Calculated using the figure of 0.410 kg/kWh for CO₂ emissions intensity (emissions per kWh of electricity consumed), announced by the Federation of Electric Power Companies of Japan (for fiscal 2006).
- *4 Calculated based on reductions in power consumption in air conditioners, LCD TVs, and refrigerators shipped in Japan derived from the following formula and then using the conversion factor given in note 3 above (CO₂ emissions intensity for fiscal 2006): [Amount of reductions in power consumption] = [(average power consumption for representative models for fiscal 1997 (kWh)) - [power consumption for each model for fiscal 2007 (kWh)] x number of units sold for replacement purchase purposes for each model (units)]

Achieving Sharp's Corporate Vision Through Energy Creation and Energy Saving

In August 2004, six months before the Kyoto Protocol went into effect, Sharp set a corporate vision: "Sharp's energy-creating and energy-saving products will more than balance out Sharp's greenhouse gas emissions," and set about to make this vision a reality, focusing on its Super Green Strategy (see page 24).

Specifically, with its SGF/GF initiatives, Sharp seeks to control to the greatest extent possible the amount of greenhouse gases emitted during the course of business operations, while at the same time, under the Super Green Product/Device initiative, push ahead to reduce greenhouse gases through customer use of Sharp's energy-creating solar cells and energy-saving products.

Balanced against the 1.76 million t-CO₂ of emissions from worldwide business activities is 1.37 million t-CO₂, a combination of emission reductions from customer use of solar cells (0.77 million t-CO₂) and energy-saving products (0.60 million t-CO₂). The difference between the two is still 0.39 million t-CO₂, but Sharp is further strengthening its efforts, with the intent of achieving its vision of Sharp's energy-creating and energy-saving products more than balancing out its greenhouse gas emissions before fiscal 2010.

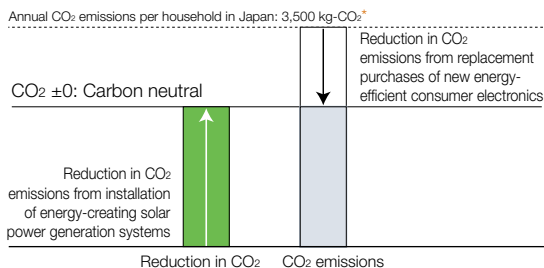
Offering Carbon-Neutral Living Through Energy Creation and Energy Saving

Sharp is proposing carbon-neutral living through energy-creating solar cells and energy-saving consumer electronics. If all of the energy needs of a home could be covered by installing clean-energy residential solar power generation systems, a carbon-neutral way of living could be achieved that causes no warming of the Earth.

Sharp is contributing to bringing a low-carbon society into reality by further strengthening the energy-creating performance of its solar power generation systems and the energy-saving performance of its consumer electronics, so that carbon-neutral living will become a normal way of life.

 Corporate vision
Carbon-neutral living

Carbon-Neutral Living Through Energy Creation and Energy Saving



* Calculated based on emissions of 174 million t-CO₂ originating from energy consumed by the residential sector in Japan in fiscal 2005, and a total number of 49.6 million households.

Further Strengthening Energy Creation and Energy Saving Aimed at Achieving a Low-Carbon Society

As the frontrunner in energy-creating solar cells and energy-saving LCD TVs, Sharp is constantly working to innovate new technologies based on the skills and know-how accumulated over many years of experience in these fields.

Solar power generation will be extremely useful in making a low-carbon society a reality, and the completion of the Sakai Manufacturing Complex will mark a major milestone in Sharp's efforts to speed its widespread adoption and use.

Four years have passed since Sharp declared becoming an environmentally advanced company as a medium-term corporate objective, and its effects have begun to become apparent in every aspect of corporate activities. Sharp will be strengthening its efforts in the future to put this trend on a firm basis.



Hiroshi Morimoto
Executive Officer
Group General Manager
Environmental Protection
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