

Safeguarding the global and local environment as a responsible corporate citizen

Nanko Thermal Power Plant



CEF Minami-Awaji Wind Farm Co., Ltd.



e8 Micro hydropower CDM project in the Kingdom of Bhutan



Initiatives to Prevent Global Warming

2008 marks the start of the first commitment period under the Kyoto Protocol. At Kansai EP we view the prevention of global warming as an important aspect of Company operations, and we are taking a broad array of initiatives both at home in Japan and overseas, aggressively and comprehensively, to reduce CO₂ and achieve effective use of energy resources.

In the domestic market, the measures we are implementing include the promotion of nuclear power plants, which emit no CO₂ in the process of generating electricity, and enhancement of the thermal efficiency of power generation dependent on fossil fuels. To foster efficient use of energy by society as a whole, we

CO₂/kWh for the five years from 2008 through 2012. The figure represents a near 20% reduction from the reference year, 1990, and its achievement would enable Kansai EP to remain among the top ranks in the industry in terms of clean power generation.

*1: A framework under which the developed and developing nations collaborate in initiatives targeted at curbing greenhouse gas emissions. The mechanism enables credit for the reduced emissions to be shared by the assisting country.

Initiatives Targeting Zero Emissions

In a quest to realize business activities that are fully compatible with the demands of a sound material-cycle society, Kansai EP pursues the “3Rs” for dealing with industrial and other wastes – reduce, reuse and recycle – throughout the entire spectrum of its operations. To illus

Kansai EP is taking a plethora of initiatives, both at home and abroad, to protect the environment for future generations.

are developing and pushing for widespread adoption of high-efficiency systems such as “Eco Cute,” heat-pump water heaters employing a natural refrigerant. In addition, Kansai EP is a cooperating participant in the Kansai Green Power Fund, an organization that solicits monetary contributions from regional customers and provides financial subsidies for the construction of facilities that generate power using new energy sources.

Overseas, the Company is cooperating in a host of projects targeting CO₂ reductions. These include an environmental tree planting project in Western Australia, a photovoltaic power generation project in Tuvalu, a micro hydropower project for nonelectrified villages in Bhutan, and hydropower projects in China. The last two are projects under the Kyoto Protocol Clean Development Mechanism (CDM*¹).

In order to prevent global warming on an ongoing basis into the future, Kansai EP will promote initiatives of these kinds proactively both in Japan and abroad. We have also set a target for CO₂ emissions relative to the amount of power we sell: an average close to 0.282kg-

trate, the concrete poles from our power grids are completely recycled and used as road construction material, and the residual ash from the burning of coal to fuel our thermal power plants is used in entirety as material for making cement.

In fiscal 2008, we are bolstering these initiatives further and launching a “zero emissions” drive that targets the total elimination of industrial wastes which require final disposal as landfill.



Bird's-eye view of Hunahuti, capital of Tuvalu



Artist's conception of the completed solar power generation equipment

Promotion of Environmental Management and Communication

As the foregoing initiatives demonstrate, Kansai EP is taking diverse measures to protect both the global and local environments. These measures are being implemented with steady assurance under a PDCA (plan-do-check-act) cycle conducted in accordance with its in-house environmental management system. Furthermore, the Company takes every step necessary to comply with environmental laws and regulations. Efforts are also expended to take reliability to a higher plane through the introduction of external certifications, including ISO 14001 and “Eco Leaf” environmental labeling certification.

Meanwhile the Company is also engaging in a variety of communicative activities relevant to the environment. For example, we are proactively disclosing environmental information through publication of a CSR Report, on our website, etc., and we are taking steps to enhance public awareness of environmental issues. Among these activities is the Kanden e-Kids Club. The Club offers children living in the Kansai region opportunities to think about environmental and energy issues and to take actions for conservation.



Kansai EP is Japan's first power provider to have its electricity acquire the “EcoLeaf” label. Under this labeling program, quantitative data on a product's environmental impact is certified and disclosed by a third party.