

This is a translation of the original Japanese document and is provided for informational purposes only. If there are any discrepancies between this and the original, the original Japanese document prevails.



August 28, 2012

AEON CO., LTD.

**Adding 200,000 kilowatts of renewable energy generation capacity while reducing energy consumption by 50%**

**“Aeon ECO Project” toward Fiscal 2020 to Start on September 1**

**Serving as disaster-prevention facilities to provide lifelines for local communities**

---

In response to growing social needs for conservation of electricity and energy and expected chronic shortage of electricity supply, Aeon launches the “Aeon ECO Project” on Saturday, September 1, 2012. The project sets new environmental targets through fiscal 2020, after achieving the target of a 1.85 million ton reduction in CO<sub>2</sub> emissions from the fiscal 2006 level, under the Aeon Manifesto on the Prevention of Global Warming in fiscal 2011, one year ahead of the schedule.

**[Aeon ECO Project]**

Aeon ECO Project comprises of three strategies: Reduction, Generation, and Protection. To develop sustainable society, Aeon will take full advantage of the corporate strength with group stores and facilities of which floor space count up to over 10 million square meters—one of the largest in Japan—and Aeon Ddelight Co., Ltd., a comprehensive facility management service (FMS) provider.



**50% reduction  
in energy consumption**



**200,000 kilowatts  
from renewable energy  
sources**



**100 disaster-prevention  
facilities  
across Japan**



**Reduction Strategy**

**Further reducing energy consumption while effectively using energy**

Aeon will accelerate to introduce energy-saving facilities into existing stores in order to achieve the target of energy consumption reduction of 50%—18% for air conditioners, 17% for lighting, 10% for refrigerated display cases, and 5% with “visualization” by primarily using BEMS\* for better energy operation control—from the fiscal 2010 level by fiscal 2020. As for new stores, Aeon will develop Aeon’s Eco Stores for Next-Generation with the goal of reducing CO<sub>2</sub> emissions by 50% from the average emissions from existing stores in fiscal 2010, which outperform Aeon’s Eco Stores (targeting 20% reduction in CO<sub>2</sub> emissions from the fiscal 2006 level).

In addition to these hardware-related efforts, Aeon will set up an internal qualification system, the Energy Advisor System, to train people to be able to support the operation of the Aeon ECO Project at stores.

\*BEMS: Building Energy Management System. It monitors and controls energy consumption of power distribution equipment, air-conditioning equipment, lighting equipment, ventilation equipment, office automation equipment, etc.



## **Generation Strategy** | **Actively generating renewable energy**

By making the most of its commercial space, Aeon will adopt renewable energy generators, primarily 200,000-kilowatt photovoltaic power generators, which are the largest scale for retailers worldwide. The capacity would satisfy the annual electricity needs of about 45,000 general households by fiscal 2020.

Aeon has installed solar panels at 160 stores with generation capacity of 13,000 kilowatts in total. We will increase the capacity to 100,000 kilowatts by fiscal 2015, and add another 100,000 kilowatts by fiscal 2020 to have a total generation capacity of 200,000 kilowatts. Meanwhile, Aeon will use the feed-in-tariff scheme that was launched in July 2012, and allocate the profit from sales of the electricity to re-investment in renewable energy, electric vehicle (EV) chargers, private electric generators (cogeneration systems\*), and others. We will also make efforts to use renewable energy other than solar.

\*Cogeneration systems: Energy supply systems that generate electricity and capture power, heat, and cold energy from exhaust heat to improve general energy efficiency.



## **Protection Strategy** | **Providing social infrastructure to protect the life of local communities**

To serve as lifelines for local communities, Aeon has concluded an agreement on disaster prevention with , about 680 local authorities to provide support in an emergency. Aeon has also installed 28 large emergency tents, called “balloon shelters,” at its large-scale stores across Japan. Based on the experience with the Great East Japan Earthquake, Aeon will enhance its readiness for possible large-scale disasters at its stores nationwide. Particularly at 100 stores, primarily large-scale stores, Aeon will install private generators (cogeneration systems), as well as renewable energy generators, in order to continue store operation and provide products for customers even in an emergency.

For the development of sustainable society, Aeon, together with customers and local communities, will continue to work on initiatives to balance business activities for growth with efforts for addressing environmental and social issues.

## Reference: Key Environmental Conservation Activities of the Aeon Group

1965	Donated 1,000 cherry trees to Okazaki City when opening Okazaki Okadaya store.	2005	Opened Aeon's first Eco Store, Aeon Chikusa Shopping Center.
1989	Launched the Aeon Group 1% Club. Established the club to promote environmental conservation and social contribution as a good corporate citizen, by using 1% of pre-tax profits of good-standing group companies.		
1990	Founded the AEON Environmental Foundation.		
1991	Started the AEON Hometown Forests Program. Started at Jaya Jusco Dayabumi store (now AEON Co., (M) Bhd.) in Malacca, Malaysia. The number of trees planted in and outside Japan to date reached 9.71 million.	2007	Started the "Stop Free Plastic Shopping Bags" program.
			
1991	Started resource collection, "Bring Your Own Shopping Bag" campaign, and Clean & Green activity (clean-up by employees and local customers) at stores.	2008	Started the program to eliminate free plastic bags at Jusco Higashiyama-nijo store as the first national chain store in Japan., Aeon Manifesto on the Prevention of Global Warming Announced its target to reduce total CO <sub>2</sub> emissions by 1.85 million tons from the 2006 level by 2012, as the Japan's first national retailer who set a specific target for CO <sub>2</sub> emissions reduction, which was achieved in 2011, one year ahead of schedule.
		2010	AEON Biodiversity Principle Proactively reduced impacts of its business activities on the ecosystem and conserved the ecosystem by understanding the impacts and working with customers, governments and NGOs.
1998	Inaugurated the Great Wall Forest Rejuvenation Project. Continued to plant seedlings, which totaled 1 million in April 2010 for the reforestation around the Great Wall in China.,	2011	AEON Sustainability Principle Having set four key objectives, realization of a low-carbon society, conservation of biodiversity, better use of resources, and dealing with social matters to manage progress for each objective.
		2012	Announced the Aeon ECO Project.
2001	Launched the Aeon Happy Yellow Receipt Campaign.		
			Aiming to connect local volunteer organizations and customers who support their activities, and broaden the supporting network, the campaign has donated goods worth 1% of total receipt amount to over 20,000 organizations per year.