

# Corporate Social Responsibility



## Caring for the Community

At Hong Kong International Airport (HKIA), corporate social responsibility is a core value that is incorporated into everything from day-to-day operations to long-term planning.

### Emissions

We share the community's concerns about air quality and are committed to monitoring and minimising the environmental impact of our business.

The Airport Authority (AA) operates three air-quality monitoring stations: on the north and south sides of the airport and on Lung Kwu Chau, an island north of HKIA. Data from the stations provides useful insights into regional air quality and is analysed by scientists at the Hong Kong University of Science and Technology.

Reducing emissions at the source is usually the best way to improve air quality. In keeping with this belief, the AA licenses new airside vehicles only if they meet strict environmental standards. Since June 2008, we have banned idling engines on the airside, except for some vehicles and equipment due to safety and operational considerations.

We are also minimising our environmental impact by increasing the number of electric, liquefied petroleum gas (LPG) and hybrid vehicles in our fleet. To facilitate the use of environmentally friendly vehicles, we have installed an LPG filling station and electric-vehicle charging stations on the apron.

Today, over 200 electric vehicles and pieces of ground service equipment are in operation at HKIA. We are now investigating the feasibility of using electric vehicles for the bulk of the airside fleet.

Since October 2009, all the AA's diesel vehicles have run on B5 biodiesel – a mixture of 95% conventional diesel and 5% biodiesel made from used cooking oil. B5 biodiesel reduces exhaust smoke by up to 50% in trials. About 4,000 litres of used cooking oil is collected at the airport each month and recycled into biodiesel to power our fleet.

### Energy Savings

Our energy conservation programme is built around a system that continuously monitors the airport's electricity consumption. This data allows us to fine-tune our operations for maximum efficiency.



## Recycling More Waste



Recovering more recyclables at the source is a key environmental goal at HKIA.

In the airport's public areas, we provide more than 60 highly visible bins that make it easy for passengers to sort their trash. We encourage our tenants and business partners to sort their waste and provide coloured bags for sorting recyclable from non-recyclable waste. We also introduced incentives for our waste collection contractor to increase the proportion of recyclables that are diverted from landfills.



During the year, the lighting schedule and photocell settings in the Terminal 1 (T1) Departures Concourse were adjusted to reduce the use of gantry lighting, while maintaining a suitable illumination level. The set-point for the air-conditioning system in the passenger terminals was increased to 25.5 degrees Celsius and the system's operating schedule was adjusted. About 10% of HKIA's escalators and travelators were shut down during the day and nearly all were turned off from midnight to 5:00 AM. These changes resulted in an estimated annual saving of 4.6 million kilowatt hours (kWh) of electricity, which is equivalent to about 2,576 tonnes of greenhouse gas emissions.

Our energy saving efforts were recognised at the Hong Kong Awards for Environmental Excellence, where we received a "Class of Excellence" Energywise Label for the second consecutive year and a bronze award in the public sector category. In addition, we were the second runner-up in the biggest unit saver (company) category in a competition organised by Friends of the Earth, a local environmental group.





All of the Airport Authority's diesel vehicles now run on B5 biodiesel.

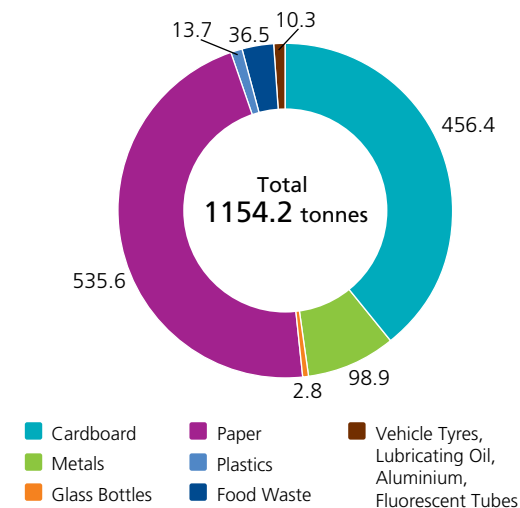
### Water and Solid Waste

We recycle a great variety of materials such as cardboard, paper, plastics, scrap metals, glass bottles, food waste, vehicle tyres, lubricating oil, and fluorescent tubes. During the year, the volume of solid waste recycled by the AA exceeded 1,100 tonnes. We also encourage waste separation and recycling among business partners. At HKIA, construction contractors are required to sort and reuse waste materials wherever possible. Compliance is monitored through compulsory waste disposal logs.

HKIA recovers and treats wastewater from restaurants, aircraft catering and cleaning, as well as toilet sinks. In 2009/10, our wastewater treatment plant processed 1.1 million cubic metres of greywater, a portion of which was used for landscape irrigation at HKIA.

### Amount of Waste Recycled by the Airport Authority in 2009/10

in tonnes



We buy environmentally friendly products wherever possible. The AA was a founding member of the Hong Kong Green Purchasing Charter in 2007. The following year, we established a green purchasing policy for items ranging from printing paper, LED lights, hybrid and electric vehicles to detergents used to clean the airport apron. This year, we conducted a survey to review the applicability of the Hong Kong Green Label Scheme, a local product-certification programme, to our operations. We also plan to organise a green purchasing training programme for our staff.

### Carbon Reduction

Running a green airport requires teamwork, and the AA proactively encourages and facilitates a low-carbon operation among its business partners. Our programmes to minimise emissions, recycle and reuse waste, and use energy efficiently work in concert with an airport-wide carbon-reduction initiative.

In 2008, we signed the Aviation Industry Commitment to Action on Climate Change. Since then, we have actively pursued its goal of reducing our industry's environmental impact. In April 2009, the AA completed the first airport-wide carbon audit, and during the year held nine carbon reduction workshops for its business partners. Since July 2009, carbon audits have been conducted on 90% of the buildings and vehicles at HKIA. More than 30 of our partners have participated in carbon-management workshops, and we continue to use our expertise to help airport businesses create effective carbon-reduction plans.

During the year, we joined the Climate Change Business Forum to facilitate collaboration and experience sharing with other Hong Kong business leaders to reduce carbon emissions.

### Community Outreach

We are proud to share our commitment to the environment with the community at large. During the year, the AA partnered with the Green Council, WWF-Hong Kong, Green Power, Friends of the Earth (HK), The Conservancy Association and other environmental organisations to support a host of green activities including the International Coastal Cleanup, Walk for Nature @ Mai Po, Green Power Hike, Earth Partner Programme and Walk for the Environment, etc.

We believe environmental awareness should start at an early age, and support several green educational initiatives. We promote environmental awareness



A visit to the wastewater treatment plant helps students understand the many environmental protection measures in place at HKIA.

through the Business Environment Council's Corporate Sustainability For Schools (CS4Schools) programme, and the annual roof-greening and organic farming competition that is organised by the Hong Chi Association to teach children about climate change and the importance of nature conservation. During the year, we also staged environmental exhibitions at HKIA and other high-traffic locations in Hong Kong. These initiatives encourage young people to love the earth and understand the need for environmental protection.

In addition to environmental programmes, the AA and its employees contribute to Hong Kong in many other ways. In April 2009, along with a team from the Airport Police, AA staff climbed more than 900 stairs at Jardine House in Central and raised HK\$60,000 for youth mental health promotion programmes. In early 2010, the AA entertained more than 2,100 elderly guests at spring

dinners in Tung Chung and Tuen Mun. In August 2009, Typhoon Morakot, a massive and deadly storm, lashed Taiwan. To assist with the rebuilding efforts, AA staff held a fund-raising event that generated HK\$100,000. In May 2010, about HK\$350,000 was raised to help the earthquake victims in Yushu county, Qinghai.

These efforts were recognised with a Caring Organization award from the Hong Kong Council of Social Service. This was the fifth consecutive year that we have received this award.

