

Watermark Award 2011

The 2011 Watermark Award recipients are:

Singapore Civil Defence Force (SCDF)
- Reinventing fire-fighting with water-efficient technology



The Singapore Civil Defence Force (SCDF) has reinvented fire-fighting with an innovative Watermist Technology. Compared to conventional systems which use jets of water to extinguish fires, the Watermist Technology uses specially-designed nozzles to generate fine water mist at high pressure. The mist contains small micro-sized water droplets which is able to better absorb large amounts of heat energy released by the fire. As a result, fire-fighting is carried out more efficiently and up to 90 per cent of water is saved.

SCDF is also exploring the option of using NEWater as an alternative to potable water for its training purposes.

Since 2009, SCDF has adopted five waterways including MacRitchie Reservoir and has conducted clean-ups on a regular basis.

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Sony Electronics Asia Pacific - All Out for Water



Water is a key focus in Sony's corporate social responsibility programme and many of its water initiatives involve reaching out to the youths.

In 2010, Sony and its adopted charity, Darul Ihsan Orphanage, and Commonwealth Secondary School (CSS) launched seven floating wetlands at the Pandan Reservoir.

This year, in celebration of World Water Day, over 300 participants comprising Sony staff members and students gathered at Pandan Reservoir to create miniature rain gardens. One large rain garden model is currently being displayed at the NEWater Visitor Centre while other miniature rain garden models have been donated to several schools for use as educational tools.

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Bendemeer Primary School - Every effort counts in water conservation



An active water advocate, Bendemeer Primary School was awarded the 'Best Suggestion of the Year, Cluster South' by the Ministry of Education (MOE) for devising a cheaper way to save water. By using a 2-litre plastic bottle to displace water in flushing cisterns, the school has reduced the volume of water used per flush from 9 litres to 7 litres. Thanks to this simple water saving method, the school can save up to 8,000 litres of water a month.

Bendemeer Primary School also worked with the Kolam Ayer Citizens' Consultative Committee to conduct regular clean-ups at the school's adopted waterway, the Kallang River.

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Fuhua Primary School - Leadership commitment drives success in water conservation efforts



In 2009, Fuhua Primary constructed a wetland on campus to treat rainwater before channelling the water for use in the school's aquaponics system. Students and visitors alike have benefited from the wetland as it is often used as an educational showcase. Water champions from Fuhua Primary have also conducted workshops for kindergarten children on making miniature terrariums.

Last year, Fuhua Primary organised the "Project H2O" competition in collaboration with PUB. 22 primary schools participated, contributing water-themed games and exhibits to convey messages on the importance of conserving and sustaining water resources. The winning entries were showcased at the Primary School Water Festival hosted by Fuhua Primary which saw over 300 students from 23 primary schools.

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The Nature Society (Singapore) - The Guardian of Our Natural Heritage



Since adopting Kranji Reservoir in 2008, the Nature Society (Singapore) (NSS) has displayed a strong commitment towards protecting and preserving this natural habitat. A notable effort was the society's initiative to remove undesirable vegetation in inlets and streams, hence creating more water spaces for wildlife to flourish at Kranji marshland.

This year, NSS expanded its efforts by adopting Lorong Halus at Serangoon Reservoir. NSS' President Dr Shawn Lum has helped to develop educational panels for the location.

As part of the society's ongoing efforts to increase environmental awareness, its members conduct regular bird-watching and nature walks for the public at Lorong Halus and Kranji marshland.



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