

## 2008 Every Drop Counts Water Efficiency Awards

### Recognition awards

The Recognition awards acknowledge and reward individuals or small teams for their contributions to improving water efficiency. Recipients of these awards must:

- be passionate about water efficiency and/or
- be a driver of organisational change and/or
- be innovative and/or
- deliver results and/or
- champion water efficiency in the organisation

#### **Hans Kang – The Whiddon Group**

Hans, through dedication and a passion for saving water, helped the Frank Whitton Masonic Homes of NSW save 69 kL/day. He has also led the organisational culture transformation through monthly e-magazines, training, and building and cleaning schemes.

#### **Tom Louridas – Stockland**

Tom was the driving force behind the Facility Managers' Sustainability Network leading sustainable practice across the Stockland portfolio. He was also responsible for achieving water consumption reductions of greater than 50% at two sites.

#### **Andy Goonesekera – InterContinental**

Andy has consistently improved water efficiency and management practices at the InterContinental Hotel

and has achieved water savings totalling over 200 kL per day over five years.

#### **Kevin Davis – AstraZeneca Australia**

Kevin is committed to delivering water savings at AstraZeneca. He overcame many obstacles while installing a new process water reclaim system, which now harvests almost 60% more water than the original design. As a result, AstraZeneca has commissioned a second reclaim system to be installed in 2008/9.

#### **Paul Carey – Merck Sharp & Dohme**

Paul's passion for water efficiency led Merck Sharp & Dohme to implement all identified savings opportunities at its South Granville site. Paul initiated a staff awareness day focusing on water saving and efficiency. The company has made the idea an annual event.

#### **David Litchfield – BlueScope Steel (HSM Rollshop)**

David's passion for water efficiency has led to several initiatives in the HSM Rollshop. These include installing three large rainwater tanks that collect rainwater from the roof and supply both staff amenities and process machinery.

#### **Sue Kite – Department of Defence, Sydney Central Region – Randwick Barracks**

Sue's enthusiasm and commitment to water efficiency has inspired others and resulted in organisational change and senior management commitment to improving water efficiency.

**Paul Mulley, Louise Petchell and Graham Howe – Penrith City Council**

Paul, Louise and Graham were nominated for their enthusiasm and ongoing commitment to water efficiency. They have been instrumental in achieving five stars in the Management Diagnostic for Penrith City Council.

## Largest Volume Reduction Award

This award is for the largest drinking water volume reduction in the 2007/2008 financial year.

Finalists:

**NSW Department of Corrective services – John Morony and Emu Plains Correctional Centre (103 kL/day)**

The NSW Department of Corrective Services has reduced its consumption by 103 kL/day well beyond mandatory requirements. It conducted a program of technical reviews, expanded its sub-metering program, implemented new monitoring technologies and established sustainable water use within a challenging environment.

**Jen Retail – Market City (98 kL/d)**

Jen Retail applied sound water management at the Market City site. Maintenance staff also undertook preventive measures to support retailers in the initiative. This helped Market City manage water consumption in a cost effective and responsible way, saving more than 35 Olympic swimming pools of water each year.

**BHP Billiton – Illawarra Coal, Dendrobium Mine (230 kL/day)**

Dendrobium mine installed a new pipeline and equipment enabling recycled water to be used for all activities in surface operations (excluding office amenities and the bathhouse). This includes use of

recycled water for wash-down bays, dust suppression and general hose-down. Recycled water was also piped to the nearby Kemira Valley site where it has completely replaced the use of drinking water.

Winner:

**BHP Billiton – Illawarra Coal, Dendrobium Mine (230 kL/day)**

## Highest Percentage Reduction Award

This award recognises the EDC customer that made the largest percentage reduction in water consumption in 2007-08.

Finalists:

**CB Richard Ellis (66%)**

CB Richard Ellis retrofitted all amenities at 270 Pitt Street and is now saving more than \$4000 per month. A preventive plumbing maintenance program with continuous monitoring has reduced expensive call outs and rectified leaks before they escalate.

**Mount Annan Botanic Garden (62%)**

An EDC audit identified significant water losses from leaks and pipe breaks. Prompt action from the facilities manager resulted in the replacement of 2,000 metres of aged and brittle pipes, improvements in maintenance procedures and the adoption of a more efficient irrigation system. This reduced water use by 62%.

**Cumberland Country Golf Club (82%)**

Cumberland Country Golf Club eliminated the use of drinking water for irrigation. This has led to a water reduction from 110 kL/day to just over 22 kL/day. It is the result of many years of effort and several different projects.

Winner:

**Cumberland Country Golf Club (82%)**

## Highest Percentage KPI Reduction Award

The purpose of this award is to illustrate how a focus on industry-specific water efficiency KPIs can drive water efficiency efforts.

Finalists:

### **Sydney Academy of Sport and Recreation (57%)**

The Academy has installed a more efficient irrigation system that uses dam water to irrigate at night and engaged a full time plumber to deal with repairs as soon as they occur. It also retrofitted amenities with water efficient appliances and introduced drought tolerant landscaping in community areas.

### **AstraZeneca Australia (42%)**

AstraZeneca's ongoing commitment to water efficiency has resulted in a significant KPI water reduction in 2007-08. Implementing a Water Reclaim System and rationalising production to one single water efficient plant allowed AstraZeneca to achieve these improvements.

### **Fairfield City Council (61%)**

Fairfield City Council embarked on a comprehensive water management project that included early leak detection, rainwater harvesting for cooling towers and water features, and installing water efficient toilet and bathrooms.

Winner:

### **Fairfield City Council (61%)**

## Innovation Award

The award recognises the role of innovation in improving water efficiency. Companies nominated for this award demonstrated a high degree of management commitment to water efficiency and a willingness to accept technical and financial risks to achieve reductions in water use.

Finalists:

### **Randwick City Council**

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Des Renford Aquatic Centre uses backwash and bore water in a combined reuse, recycling and treatment system to meet 100% water demand for its pools. This is the first example of a local government operated swimming centre using this innovative solution.

### **Diageo Australia, Huntingwood**

Using a foundation of continuous improvement, employee engagement and root cause analysis, Diageo financed the design and installation of the 'Dunk Tank'. The system recovers, cools and reuses water from liquid ring vacuum pumps under continuous operation. Saving 18,000 kL/year, this simple innovation is a first for Diageo and is now being shared worldwide, through the company.

### **Lafarge Plasterboard Matraville**

Lafarge Plasterboard uses stormwater to manufacture plasterboard products at its Matraville plant. Lafarge expanded an existing collection system to enable stormwater to be captured and redirected into the manufacturing process. As Plasterboard manufacture requires high quality source water, this posed significant technical and financial risks for the business.

### **Kogarah Council**

The financial and process risks associated with Kogarah Council's Beverley Park water reclamation plant makes them worthy winners of this award. The plant treats wastewater extracted from a nearby sewer main to irrigate the local golf course's greens and fairways. The plant will save up to 125 ML of Sydney's drinking water every year.

Winners:

### **Lafarge Plasterboard Matraville**

### **Kogarah Council**

## Sustainable Business Processes Award

This award recognises organisations that have embedded best-practice water management into their

day-to-day business processes and corporate management systems.

Finalists:

**Rockdale City Council**

Rockdale's approach to water efficiency is driven by a cross functional team that embeds sustainable practice through a certified management system. Any financial savings made are reinvested into a revolving fund for future water efficiency projects. The council has engaged staff, contractors and the community at large. Rockdale was the first council to achieve a five-star rating in the One-2-Five Water Management Diagnostic.

**Macquarie Asset Services Limited (MASL)**

Macquarie Asset Services Limited manages a portfolio of large commercial properties across Sydney. MASL joined the EDC program in 2002 and, after delivering continual improvement in water management across its broad portfolio, it reduced water use by 23%, saving 185 kL/day. MASL reached the milestone of five stars in the One-2-Five Water Management Diagnostic in March 2008.

**Diageo Australia, Huntingwood**

In May 2008 Diageo achieved five stars in the One-2-Five Water Management Diagnostic, with the highest score (98%) of any EDC Business Partner to date. This score reflects the comprehensive water management practices and ongoing water efficiency improvements incorporated into Diageo's core business practices.

Winner:

**Diageo Australia, Huntingwood**