

RESOURCES

PORT OPERATIONS CAN BE BOTH ENVIRONMENTALLY FRIENDLY AND COMMERCIALY VIABLE. OUR AIM IS TO CONTINUALLY DECREASE THE AMOUNT OF RESOURCES USED BY THE CORPORATION, INCLUDING WATER, ENERGY AND MATERIALS.

OUR PERFORMANCE AGAINST OUR 2006/07 COMMITMENTS

- ✓ **INSTALL SUB-METERING IN SOME LOCATIONS TO BETTER UNDERSTAND SYDNEY PORTS' WATER USAGE**
As part of a partnership with Sydney Water in their *Every Drop Counts Business Program*, Sydney Ports had sub-meters installed at the Overseas Passenger Terminal at Circular Quay.
- ✓ **INTRODUCE A LIMIT ON THE QUANTITY OF POTABLE WATER TAKEN ON BY VISITING SHIPS**
In October 2007 Sydney Ports introduced a permit system to limit the amount of potable water consumed by visiting ships. This system has generated significant savings of potable water at many berths in Sydney Harbour and Botany Bay. Sydney Ports completed a review of the system in June 2008 which has illustrated substantial water savings at all participating berths. A more in-depth review, after the system has been in place for 12 months, will reveal further details on the water savings and usage of the fresh water permits and allow us to make necessary improvements to the system to ensure maximum water savings are being made.
- ✓ **SET UP AN INTERNAL ENVIRONMENTAL GROUP TO IDENTIFY AND IMPLEMENT ACTIONS TO REDUCE THE ENVIRONMENTAL IMPACTS OF SYDNEY PORTS' WORK AREAS**
A working group has been established within the organisation to assist in the reduction of our internal use of resources.

Key: ✓ Achieved → Continuing X Not achieved

DISCUSSION POINTS

SYDNEY PORTS' FOOTPRINT

Sydney Ports has been tracking direct and indirect energy consumption from its own activities as illustrated in the table below. Energy used within buildings and facilities and in the operations of our vehicle and vessel fleet is presented below. This data only relates to activities undertaken by Sydney Ports and does not include energy use by tenants or the shipping lines using the ports.

ENERGY CONSUMPTION 2006/07 TO 2007/08

TYPE	2006/07	2007/08
Electricity (kWh)	1,354,951	1,332,425
Gas (GJ)	1,844	1,598
Diesel – vehicles (kL)	4.234	1.630
Petrol – vehicles (kL)	196.702	177.894
Fuel distillate – vessels (kL)	456.21	488.83

The large decrease in use of diesel is due to changes to the Sydney Ports vehicle fleet, otherwise no significant decreases were recorded during the 2007/08 year.

Sydney Ports has purchased 10% of its electricity from *GreenPower* accredited renewable energy sources since 2003. Taking into account this renewable energy consumption, Sydney Ports' activities resulted in the release of 3,475 tonnes of carbon dioxide in 2007/08.

Sydney Ports has also been tracking our water consumption at operational sites. It does not include the water consumption from tenants or ships when in berth. In 2007/08, Sydney Ports used 41,648 kilolitres which is a 26% reduction in use reported from the previous year of 57,798 kilolitres³. This reduction can be attributed to a small reduction of water use at many sites. We will investigate water consumption data at each of our sites as part of our commitment to the *Every Drop Counts Business Program* to determine the reasons for this decrease and opportunities for further reduction.

RESOURCE REDUCTION

An internal resource reduction group are working with staff on changing behaviours and raising environmental awareness about resource efficiency, with a particular focus on water, energy and waste.

The team is hoping to achieve reductions of 15% in our water and energy use across all sites and a 20% reduction in the use of A4 paper. The group is also implementing a purchasing requirement of a minimum of 80% recycled Australian made or 100% recycled for A4 copy paper.

The group's first initiative, the "Switch Off" campaign, has been launched to all staff during information sessions within each business department. At this launch, staff were presented with a mug which will assist in reducing our amount of disposable cup waste and "Switch Off" stickers for computers and light switches throughout the workplace. The group's logo is embedded within these products to serve as a reminder to staff of the basic behaviours and principles we are encouraging within the workplace.

EVERY DROP COUNTS BUSINESS PROGRAM

Our partnership with Sydney Water in the *Every Drop Counts Business Program* has enabled us to create a better understanding of our water usage.

The water audit of the Overseas Passenger Terminal has been of great assistance. By implementing the recommendations made throughout the audit process we are hoping for significant reductions on site. This has included improved maintenance of the amenities and cooling towers.

The partnership has also provided Sydney Ports with the opportunity to understand and improve our management of water. Through a management diagnostic process we received a star rating and recommendations to assist in improving our management procedures and reduce our water usage across all Sydney Ports' sites.

3. This figure is different to that presented in the 2006/07 report. This is due to a review of our monitoring system which was incorrectly calculating our total water usage for Sydney Ports' sites. The review found our water usage was significantly lower than that reported in 2006/07 with a reported figure of 89,460 kilolitres.

COMMITMENTS FOR 2008/09

- » Investigate renewable energy options suitable to port operations.
- » Install sub-metering in additional locations to better understand Sydney Ports' water usage.
- » Raise awareness and launch the resource reduction programs through our internal working group.



