

# Luxury showers with saving powers

## Premium Showerheads Co-Funding Case Study

Cleaner Production 

### Project Overview

#### PARTNER

The Westin Melbourne

#### OBJECTIVE

To reduce the amount of water used per hotel guest at The Westin Melbourne, while maintaining the luxurious quality befitting of a 5-star hotel

#### HOW THE SAVINGS WILL BE ACHIEVED

Through the use of premium water-efficient showerheads

#### TECHNOLOGY UTILISED

Luxury overhead and hand-held showerheads

#### WATER VOLUME SAVING

12.6 million litres of water per year

#### ENERGY SAVINGS

3,600 gigajoules of gas per year, which is equivalent to 184.9 tonnes of greenhouse gas emissions or more than 3.6 million black balloons

#### TOTAL PROJECT COST

\$69,067

#### PROJECT FUNDING

\$10,800 from City West Water

#### PROJECT COMPLETED

July 2009



**The Westin Melbourne is a modern, elegant and luxurious 5-star hotel in the heart of the city. Last year, over 110,000 guests stayed at the hotel, using over 50 million litres of drinking water.**

As part of its waterMAP actions in 2008, The Westin Melbourne replaced the employee and swimming pool showerheads with more efficient models, using the City West Water Business Showerhead Exchange program. For the 540 guest showers, the hotel has installed new premium showerheads that not only improve water efficiency, but also deliver a luxurious shower that matches The Westin Melbourne's 5-star quality standards.

City West Water agreed to contribute \$10,800 to the project – equivalent to the cost that City West Water would normally have incurred by providing standard showerheads under its Business Showerhead Exchange program – greatly accelerating the showerhead changeover and the subsequent water savings at The Westin Melbourne.



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As demonstrated in Figure 1 below, showers account for more than a quarter of water use in Melbourne hotels, which is greater than consumption in a hotel's restaurants and bars, cooling towers and toilets. The new showerheads are expected to reduce water use at The Westin Melbourne by 12.6 million litres per year.

In addition to its water saving initiatives, the hotel has committed to reducing its carbon footprint and is now monitoring energy consumption to help achieve its overall sustainability goals. The showerhead

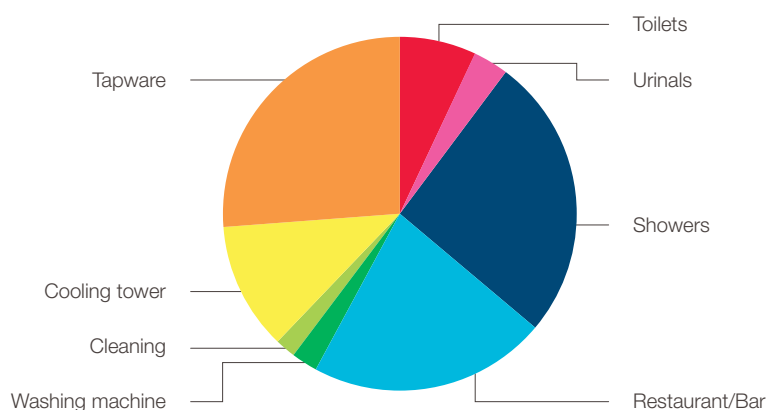
upgrade will make a significant contribution towards these goals, as energy used for heating water accounts for a large proportion of the hotel's overall energy consumption. This project alone will reduce gas consumption by 3,600 gigajoules per year, and has reduced greenhouse gas emissions by 184.9 tonnes, equivalent to more than 3.6 million black balloons.

From a customer satisfaction perspective, early feedback from guests regarding the new showerheads has been extremely positive, proving that water-efficient showers can also be luxurious.

Showerhead exchanges are one of the cheapest and easiest ways to reduce utility costs. They can be exchanged with minimal disruption and save significant amounts of both water and energy. City West Water encourages all our business customers to consider exchanging old showerheads for water-efficient ones. To find out more about our Business Showerhead Exchange program, please contact Snezana Jagos at City West Water on (03) 9313 8254.

**Figure 1 - Water consumption of a hotel with a cooling tower in Melbourne**

Source: City of Melbourne, Hotel Water Assessment study, 2007



## Contact

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