



THE LANGHAM
Melbourne

THE LANGHAM, MELBOURNE GREEN FACT SHEET

OVERVIEW:

Situated in the exclusive riverside Southbank precinct with stunning views of Melbourne's prime landmarks, The Langham, Melbourne offers an opulent inner-city experience. In addition to its prized position in the five-star accommodation market, The Langham, Melbourne is also leading the way in GREEN environmental standards.

With the growing impetus on reducing green house gas emissions and employing environmentally friendly systems, policies and habits, The Langham, Melbourne has officially implemented a *Pathway to Environmental Sustainability*, taking numerous steps to ensure the property is playing its part in the improvement of global environmental health.

As a global five star luxury hotel, The Langham, Melbourne is committed to minimising the environmental impacts associated with the day-to-day operation of the hotel in an environmentally sustainable manner. As such, The Langham, Melbourne is dedicated to identifying and refining existing plans and policies, ensuring compliance with existing and future best practice standards, legislation and benchmarking in order to achieve improved sustainability.

The Langham, Melbourne Environmental Policy commits to:

- Reducing energy and resource consumption
- Selecting products and services for their low environmental impact
- Implementing water saving practices
- Reducing waste going to landfill by practicing and enhancing in-house recycling programs
- Training colleagues through the group wide 'Green Team' program
- Working with suppliers, clients and guests to develop and implement best practice standards to improve sustainability.



THE LANGHAM Melbourne

THE LANGHAM, MELBOURNE GREEN TEAM:

Environmental planning and policy at The Langham, Melbourne has been developed in accordance with the enhanced Langham Hotels International Environmental Project, which launched on the 5th of May 2008. 'Green Team Members and Committee' were developed within each of its properties to address environmental issues. The purpose of each committee is to effectively mobilise internal initiatives, programs, plans and policies into the standard operating procedures of the hotel.

Each Green Team Committee aims to increase awareness of not only internal environmental issues, but also local and global effects through knowledge sharing, general discussions and sharing of experiences in a formal structured setting. The company's overall vision is to create a unique team of passionate, aware and committed environmental ambassadors in all Langham properties worldwide to champion its environmental mandate now and into the future.

The Langham, Melbourne used the Green Team initiative in 2008, to launch the Langham Melbourne's Environmental Policy to staff; to encourage them to become members of the Green Team; to form a Working Group to refine already established procedures for a sustainable enterprise; and create a carbon footprint benchmark to measure and improve its operations. The Green Team is open to all staff.

WATER SAVING:

Management at The Langham, Melbourne continues to push for ongoing water efficiencies without compromising guest comfort. This is being driven by the current drought and water shortages within the State of Victoria and throughout Australia.

Conscientiously monitoring water usage throughout the building, and seeking opportunities to reduce water consumption, the in-house engineering department has successfully delivered over 25 million litres of water savings in 2 years ending in 2008. 2008's consumption was 23% lower than 2007, which was already 11% lower than 2006.



THE LANGHAM

Melbourne

Projects instrumental in achieving a 32% reduction in water consumption in two years have been the installation of the laundry water recycling plant, the installation of water efficient shower heads to guest rooms and Spa facilities, operational changes to equipment like the kitchen dishwashers, woks and laundering processes and the implementation of waterless urinals throughout the back of house areas.

In 2008, a new laundry water recycling system was installed with funding assistance from South East Water, which will deliver 4.5 million litres in water savings each year. In 2007, a new automated laundry control system was installed that provided both greater control and improved water efficiency. This system saves 12 million litres of water every year.

Also in 2007, deluxe showerheads were installed in each of the guest rooms to ensure both guest satisfaction and water efficiency – this simple retrofit saves over 4 million litres per year and has decreased the average flow rate of showers from 18 litres per minute to 9 litres per minute. These showerheads are also for sale to guests at the hotel shop, Flavours of Langham.

Saving almost 3 million litres per year are the three installed waterless woks that can be viewed by guests dining in the elegant Melba Brasserie. This project saw water bed wok units replaced with proprietary waterless ones. The previous woks in the Podium, and Lobby floor kitchens had a water flow rate of 6 litres per minute.

Key water saving figures:

- In 2008, The Langham, Melbourne reduced its water usage by 71,000 litres per day from its 2006 water usage. The equivalent of filling more than one family sized swimming pool per day.

Additional water savings:

- **Reduced all toilet cistern main flushes in the hotel from 6lts to 5lts (2007)**
Saving 1,116,303 Lt's / PA



THE LANGHAM Melbourne

- **Converted staff toilet flushes and watering of hotel front garden to water harvesting system (2006)**
Saving 386,900 Lt's / PA
- **Installed low volume urinal flushers to male change rooms (2006)**
Saving 164,250 Lt's / PA
- **Installed water harvesting system to service the Hotels feature Fountains (2004)** Saving 54,750 Lt's / PA
- **Installed new efficient main kitchen dishwasher (2004)**
Saving 2,136,000 Lt's / PA
- **Installed Jemflo water control devices across entire property (1992)**
Saving 10,620,500 Lt's / PA

ENERGY EFFICIENCY:

The Langham Melbourne has, through the efforts of its staff and "Green Team" programs, been able to benchmark the hotel's impact on the environment and on energy consumption, and reduced overall green house gas emissions by 4% from 13,610 tonnes of CO₂ in 2007 to 13,068 tonnes in 2008. Green house gas emissions have been reduced by reduction savings in electricity consumption of 2.6%, natural gas consumption of 9.3% and waste to land fill by 6.7%.

ENERGY SAVING

Projects instrumental in reducing electricity consumption by 2.6% have been the continued replacement of incandescent light globes with energy efficient alternatives, turning lights off in un-occupied areas and the redefining of central plant operations and operating parameters.

Projects instrumental in reducing natural gas consumption by 9.3 % has been the installation of a laundry water recycling plant during 2008. This recycling plant has allowed the hotel to recover heat through the recycled water which reduces the energy needed to heat water from mains temperature to the desired machine temperature

ONE SOUTHGATE AVENUE, SOUTHBANK, MELBOURNE, VICTORIA 3006, AUSTRALIA
T (61) (3) 8696 8888 F (61) (3) 9690 5889
langhamhotels.com

AUCKLAND

BOSTON

HONG KONG

LONDON

MELBOURNE


PASADENA

SHANGHAI



THE LANGHAM Melbourne

Key implementations:

-  **Conferences at The Langham, Melbourne (2008)**
The Langham, Melbourne offers conference organisers the opportunity to host 'electrically green' conferences and seminars. For an additional daily fee, The Langham, Melbourne is able to switch its power to a green alternative supply through its energy retailer, Country Energy, which enables businesses to not only reduce greenhouse gas emissions, but reinforce their environmental commitment. At such conferences and events, The Langham, Melbourne will display the GreenPower logo, which signifies that 100% GreenPower approved energy is being used by the resident host.
- **Deluxlite compact fluorescent energy efficient bulbs (2004)**
In 2004, The Langham, Melbourne embarked on a broad scale light globe replacement program throughout the hotel. All incandescent globes were replaced with Deluxlite, qualified Energy Saver compact fluorescent bulbs, which offer outstanding efficiency. Deluxlite bulbs save up to 75% more energy compared to incandescent bulbs, with a life of up to 8 times longer.

Additional Changes:

- **Changed guest corridor lamps to compact fluorescent 25w to 8w (2007)**
Saving 30,380 Kwh (Kilo watt hours) P/A
- **Installation of 2 Clipsal Energy Controllers of lighting in Stores (2006)**
Saving 13,875 Kwh P/A
- **Installation of 7 Clipsal Energy Controllers to all hotel stairwell lighting (2005)**
Saving 44,788 Kwh P/A
- **Installation of 2 Danfos variable speed drives to heating hot water pumps (2003)**
Saving 17,520 Kwh P/A
- **Installation of 6 Danfos variable speed drives to Chilled & Condenser water saving pumps (2002)**



THE LANGHAM Melbourne

Saving 266,502 Kwh P/A

- **Changed 100w guest room lamps to 20w fluorescent lamps (2002)**
Saving 293,159 Kwh P/A
- **Installation of Danfos variable speed drives to two cooling towers (2002)**
Saving 200,000 Kwh P/A
- **Changed all 120w dimming flood lights in public areas to 75w (2002)**
Saving 328,500 Kwh P/A

EARTH HOUR March 29th 2008 /March 28th 2009: www.earthhour.org

Earth Hour uses the simple action of turning off the lights for one hour to deliver a powerful message about the need for action on global warming.

Earth Hour makes citizens aware of the threat of climate change to the ecosystem in their local areas and around the world. WWF officials state that Earth Hour will seek to reach over one billion people across a thousand cities in 2009. The Langham, Melbourne has strongly supported Earth Hour in both 2008 and 2009.

During Earth Hour, The Langham, Melbourne extinguishes the following lights in order to play its vital part in reducing Melbourne's greenhouse gas emissions and increase awareness of climate change:

- **External Signage lights (32 lamps)**
Saving 64 Kwh
- **Guest Corridor lights (Half lights - 750 lamps)**
Saving 6Kwh
- **Health Club Gym (25 lamps)**
Saving 2.6Kwh
- **Building up wash lights (20 lamps)**
Saving 5Kwh
- **Health Club Deck lights (164 lamps)**
Saving 5.4Kwh
- **Fountain Lights, Cascade (52 lamps)**
Saving 2.8Kwh



THE LANGHAM

Melbourne

- **Lobby Level & ARIA (32 lamps)**
Saving 2Kwh
- **Melba - tin can down lights (57 lamps)**
Saving 4.2Kwh
- **Entry and Stair High Ceiling Chandeliers x 3 (400 lamps)** Saving 16kwh
- **Back of House Areas (954 lamps)**
Saving 49.6Kwh

TOTAL EARTH HOUR SAVING PER YEAR

- **2454 LAMPS**
- **157.5Kwh**
- **Greenhouse Gas Reduction 233kg***

**Estimated greenhouse reduction based on Victoria's average power generation Greenhouse output of 0.001467 tons per Kwh.*

WASTE SOLUTIONS:

In 2008, The Langham, Melbourne Green Team improved over 20 Standard Operating Policies relating to recycling, packaging and general waste disposal. These policies have resulted in reducing waste to land fill from 495 in 2007 to 462 tonnes in 2008 or by 6.7%.

This has been achieved by recycling 545 cardboard bales in 2008 as compared to 184 in 2007, recycling 1238 bins of glass in 2008 compared to 1008 in 2007, the continuing recycling of used light globes, the introduction across the hotel of recycling bins for recyclable waste similar to the domestic collection and the introduction in 2008 of battery recycling across the property which reduce waste to land fill by 162 kilograms.

Key Waste reduction figures:

- Reduction of waste to land fill from 495 tonnes in 2007 to 462 tonnes in 2008 or by 6.7%.

ONE SOUTHGATE AVENUE, SOUTHBANK, MELBOURNE, VICTORIA 3006, AUSTRALIA
T (61) (3) 8696 8888 F (61) (3) 9690 5889
langhamhotels.com

AUCKLAND

BOSTON

HONG KONG

LONDON

MELBOURNE

PASADENA

SHANGHAI



THE LANGHAM
Melbourne

Key implementations:

Waste has been reduced across the hotel by implementing detailed Standards and Procedures for the following recycling and waste disposal practices:

- Bottle recycling and empty bottle management
- Paper recycling
- Cardboard recycling
- Battery recycling
- Light globe recycling
- Disposal of waste

Media contact:

Sonia Rendigs

Director

Media Moguls Communication

Tel: +61 3 9836 2167

Mobile: +61 4 1058 8196

Sonia@mediamoguls.com.au

Background Notes:

Situated in the exclusive riverside Southbank precinct and offering expansive views of the Melbourne city skyline, the Yarra River and Federation Square, The Langham, Melbourne offers an opulent inner-city experience.

The 25-floor hotel is a member of the prestigious Leading Hotels of the World and has 387 luxuriously appointed rooms including 68 Hotel Club rooms, 11 suites and the Presidential Suite, complete with personalized butler service. The Langham, Melbourne is listed in the top three hotels on mainland Australia on the *Condé Nast Traveler US Gold List* for 2009, and is included on the *Condé Nast Traveler US 2008* and *Condé Nast Traveller UK 2008 Gold Lists* as one of the World's Best Hotels. The Langham, Melbourne was also voted the 7th best hotel in the *Travel + Leisure USA World's Best 2007*.

The hotel's chic Aria Bar & Lounge and interactive Melba restaurant offer guests cosmopolitan and

ONE SOUTHGATE AVENUE, SOUTHBANK, MELBOURNE, VICTORIA 3006, AUSTRALIA
T (61) (3) 8696 8888 F (61) (3) 9690 5889
langhamhotels.com

AUCKLAND

BOSTON

HONG KONG

LONDON

MELBOURNE

PASADENA

SHANGHAI

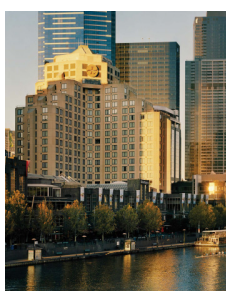


THE LANGHAM

Melbourne

elegant dining and drinking options. Extensive conference and meeting facilities are offered by the hotel and the five-star property is home to the highly acclaimed, luxury Chuan Spa. A member of the Leading Spas of the World, Chuan Spa offers treatments founded on Traditional Chinese Medicine, and is adjacent to the sun terrace, pool and hotel's Health Club.

Reservations for Langham hotels can be made by logging onto langhamhotels.com.



ONE SOUTHGATE AVENUE, SOUTHBANK, MELBOURNE, VICTORIA 3006, AUSTRALIA
T (61) (3) 8696 8888 F (61) (3) 9690 5889
langhamhotels.com

AUCKLAND

BOSTON

HONG KONG

LONDON

MELBOURNE

PASADENA

SHANGHAI