

# Energy Conservation

## Lighting replacement 2009-2010



It is estimated that Crown's lighting systems contribute to around 18% of the total electricity consumption for the complex. With almost 2 million lamps spread out over 6 buildings and more than 550,000 square metres of property, there are significant energy savings to be made by upgrading both the light fittings and the lighting controls.

Over the 2009 and 2010 financial year, Crown upgraded more than 5,200 lamps resulting in more than 1 million kWh in energy savings per year, equating to almost 1,200 tonnes of CO<sub>2</sub>-e. That is enough energy to power 100 Victorian homes or remove equivalent to removing 300 cars from the streets.

### Some of these projects include:



In the Vegas gaming area 1800 ceiling mounted halogen lamps were replaced with 3W LED equivalent lamps whilst 200 halogen lamps were replaced in the Clarke Street Lift Foyer.



50 of the MR16 lamps serving the front of house escalators were replaced with LED equivalent lamps.



In Crown Towers and Promenade Hotels, more than 3000 60W incandescent lamps were replaced with 8W cold cathode compact fluorescent lamps. These new technology fluorescents provide the warmth required for the hotel rooms whilst improving energy consumption by 85%.



In Crown Towers pool and spa area, 62 PAR 38 halogen lamps were replaced with LED equivalent lamps. Due to the high ceilings in this space, the extended life of the LED lamps results in a much improved building presentation and energy consumption.

