

Energy Conservation

Lighting projects 2008-2009



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 2008 and 2009 financial year, Crown upgraded more than 5,000 lamps resulting in more than 400,000kWh in energy savings per year, equating to almost 500 tonnes of CO2-e. That is enough energy to power 40 Victorian homes or remove equivalent to removing 120 cars from the streets.

Some of these projects include:



On the ground floor retail strip, Crown replaced 320 20W halogen lamps with 5W cold cathode

compact fluorescents. These lamps provide the exact same look and feel required in the space while utilising only 25% of the energy consumption.



Over the gaming tables, 1700 50W MR16 lamps were upgraded to 35W IRC technology equivalent lamps. These provide exactly the same output whilst reducing energy by 40%.



In the Vegas gaming area, more than 2600 bud strip lights were replaced with LED strips. While on level 1 more than 600 halogen ceiling lamps were replaced with 3W LED equivalent. Not only do LED provide 60% energy savings, they also provide an increased lamp life of 5 years when compared to their incandescent alternative. This means less maintenance is required to keep front of house at its high level of standard.

