

## The Corner Hotel Eco Lighting Case Study

### A cleaner, brighter future – we'll drink to that!

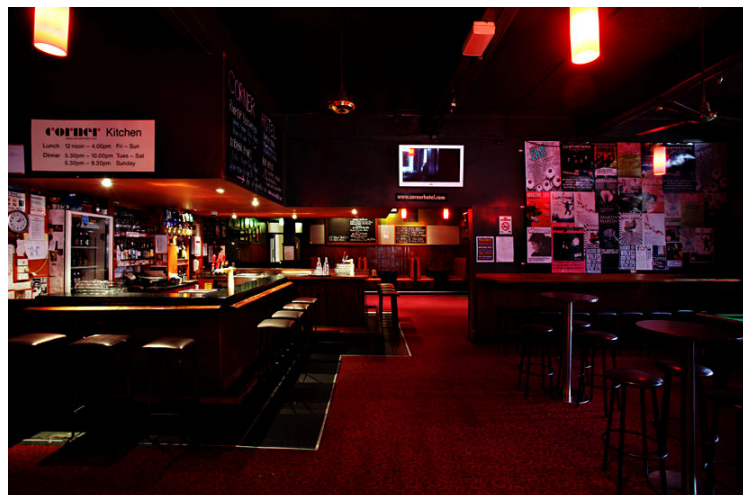
#### Case Study Key Findings

- A **65%** reduction in electricity for lighting.
- A saving of over **\$6,012** each year on electricity.
- A reduction of **49 tonnes** of CO<sup>2</sup> emissions per year.
- On top of that, there are savings of **\$2,022** each year in maintenance costs.
- A return on investment in one year!
- Total cost of retrofit: **\$7,971.20**.

#### About The Corner Hotel

The Corner Hotel in Swan Street Richmond is a landmark that exudes a comfortable, friendly atmosphere.

Richmond's Corner Hotel has hosted many of Australia's best bands and a huge number of international acts. Aside from the band room, the front bar provides a chilled out local pub atmosphere for a variety of punters - the after work drinks crowd, footy lovers, alternative music people, locals and the young and funky.



#### Before the Eco Lighting Retrofit

Prior to the eco lighting retrofit, the Corner Hotel was filled with various energy intensive globes, including one hundred and nine 50W Halogen downlights. The annual electricity bill for lighting was **\$9,210**.



## After the Eco Lighting Retrofit

After conducting a systematic lighting audit, the energy consumption for lighting at the Corner Hotel was reduced by **65%**. Table One below shows the lights that were replaced during the retrofit, including the details about the globes replaced and the wattage per globe.

Location	Original Item	No.	Power Consumption	Total	Efficient Lighting Replacement Item	No.	Power Consumption	Total
Various locations	Halogen Lamps 50w	109	55	5995	IRC 20w. 60d	109	20	2180
Various Locations	Pendants	14	72	1008	CFL dimmable& Globe BC	14	20	280
Upstairs	Cylinders	18	75	1350	CFL dimmable ES	18	20	360
Upstairs	Cylinders Switched	4	75	300	CFL & BC	4	15	60
Various locations	GLS	8	60	480	CFL	8	15	120
External	Par 38	7	120	840	Par 38 Ext	7	28	196
Band Room	Par 38	14	120	1680	Dimmable par 38	14	28	392
Band Room	R 80's Reflectors	24	75	1800	Dimmable CFL Philips Spiral 20w	24	20	480
Upstairs	Bud Lights	4	38	152	LED bud Lights	4	22	88
Car Park Lights	36 w Tubes	3	80	240	T5 Street Lights (2 x 15)	3	30	90
		205		13845		205		4246

Table One: Original and efficient lighting replacements during the retrofit

Despite a 40% reduction in the energy consumption from the lights over the bar (50 watt Halogens were exchanged for 20 watt IRC Halogens), Sammy 7, a barman at the Corner Hotel said "It works, there is no difference".

If you are thinking of converting to efficient lighting in your business, the Corner Hotel is an excellent venue to visit. "We are pleased that we took the first steps to retrofit our lights. We are now reaping the rewards" said Tim Northeast the owner of the Corner Hotel.

The Corner Hotel has reduced its lighting costs by **\$8,035** a year, with substantially less impact on the environment with a saving of **49** tonnes of CO<sup>2</sup> emissions per annum.

### About the Eco Lighting for Victorian Business Project

The Eco Lighting for Victorian Business Project aims to demonstrate the latest energy saving lighting technologies to business and organisations. The Project is supported by the Victorian Government Sustainability Fund, managed by Sustainability Victoria.

The Project is funded by the Sustainability Fund with the management being conducted from the Environment Shop. Other partners include the Alternative Technology Association, the Cities of Darebin, Banyule and Hume, the Moreland Energy Foundation (MEFL), the Northern Area Greenhouse Alliance (NAGA), VECCI Grow Me the Money, Megaman Australia, CLA and Low Energy Developments.

