

Peter's Pizza Eco Lighting Case Study

Pizza supreme please, but with lower CO² emissions...

Case Study Key Findings

- A **44%** reduction in electricity for lighting.
- A saving of over **\$306** each year on electricity.
- A reduction of **2.5 tonnes** of CO² emissions per year.
- On top of that, there are savings of **\$52** each year in maintenance costs.
- A return on investment in two years and three months.
- Total retrofit cost: **\$833**.

About Peter's Pizza

Peter's Pizza is located at 511 High Street in Preston and has been servicing the local community for over 30 years.

Meals can be enjoyed in the restaurant, or take-away and home delivered.



Before the Eco Lighting Retrofit

Prior to the eco lighting retrofit, Peter's Pizza's annual electricity bill for lighting was **\$695**.



After the Eco Lighting Retrofit

After conducting a systematic lighting audit, the energy consumption for lighting at Peter's Pizza was reduced by **44%**. 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.	Consumption Power (W)	Total	Efficient Lighting Replacement Item	No.	Consumption Power (W)	Total
Shop	36w T8 Fluoro	23	40	920	28w T5 Fluoro	15	30	450
Shop	18w T8 Fluoro	1	20	20	14w T5 Fluoro	1	15	15
Shop	18w CFL	9	20	180	18w CLA CFL	9	18	162
Total				1120				627

Table One: Original and efficient lighting replacements during the retrofit

Peter's Pizza has reduced its lighting costs by **\$358** a year (electricity and maintenance costs), with substantially less impact on the environment with a saving of **2.5 tonnes** of CO² 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, Moreland Energy Foundation (MEFL), Northern Area Greenhouse Alliance (NAGA), VECCI Grow Me the Money, Megaman Australia, CLA and Low Energy Developments.

