

Case Studies

Cornish College

LED Lighting | Solar Energy

Situation

Founded in 2012, Cornish College has always placed strong emphasis on embedding sustainability into their curriculum. Through their *Rings of Sustainability* philosophy, Cornish College have become an ambassador for sustainability within their local community. The school was interested in reducing their energy costs, their reliance on the grid and building the capability to produce their own clean energy.

Solution

Cornish College chose Cherry as their partner in sustainability and to assist in the development of a long term energy efficiency strategy. Cherry recommended the College start by reducing their current energy expenditure by upgrading their existing lights to LED. Cherry installed more than 800 LED lights throughout the school. LED battens, troffers and tubes replaced the old fluorescent lights in classrooms and hallways and in the basketball court, the old 400W metal halide highbays were replaced with 200W LED highbays. Following the LED upgrade, an 89.64kW solar system was then installed, allowing Cornish College to produce their own clean energy and reduce their reliance on the grid.

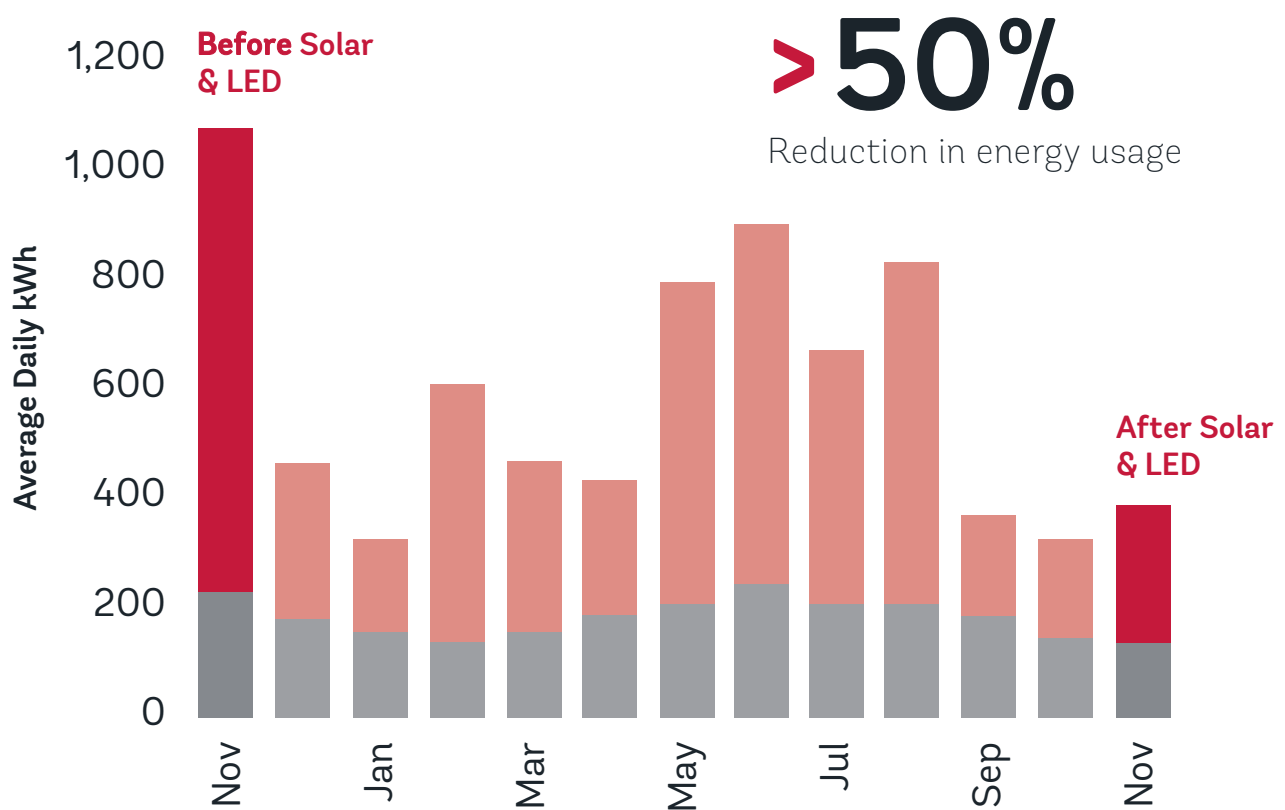
259,100 kg CO₂

Annual savings

Impact

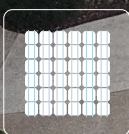
One year after the completion of the LED and solar projects, Cornish College’s electricity bill reveals more than a 50% reduction in energy usage compared to the same time last year! The reduction in energy usage is equivalent to saving more than 250,000 kg CO₂ and \$24,516 per annum, a fantastic result for all involved.

Cornish College Electricity Consumption



\$24,516

Annual savings



Bangholme, Victoria

CHERRY 