

Case Studies

St Paul's Anglican Grammar

LED Lighting | Solar Energy | Monitoring

Challenge

St Paul's Anglican Grammar School were interested in becoming an ambassador for sustainability within their local community and educating students, family and community members on the importance of energy efficiency initiatives. The school was conscious of rising electricity prices and wanted to protect themselves against future increases with renewable energy.

Solution

St Paul's chose Cherry as their partners in sustainability to deliver a cashflow positive energy efficiency solution within the school's current energy spend. Cherry proposed combining an LED lighting upgrade with the installation of solar systems on the campuses in Warragul and Traralgon. Working with the school's maintenance, management and electrical teams, feasibility studies were conducted for each campus by installing Cherry Pulse intelligent energy monitoring systems to monitor, in real-time the school's current energy usage patterns and the expected performance of the proposed solar systems.

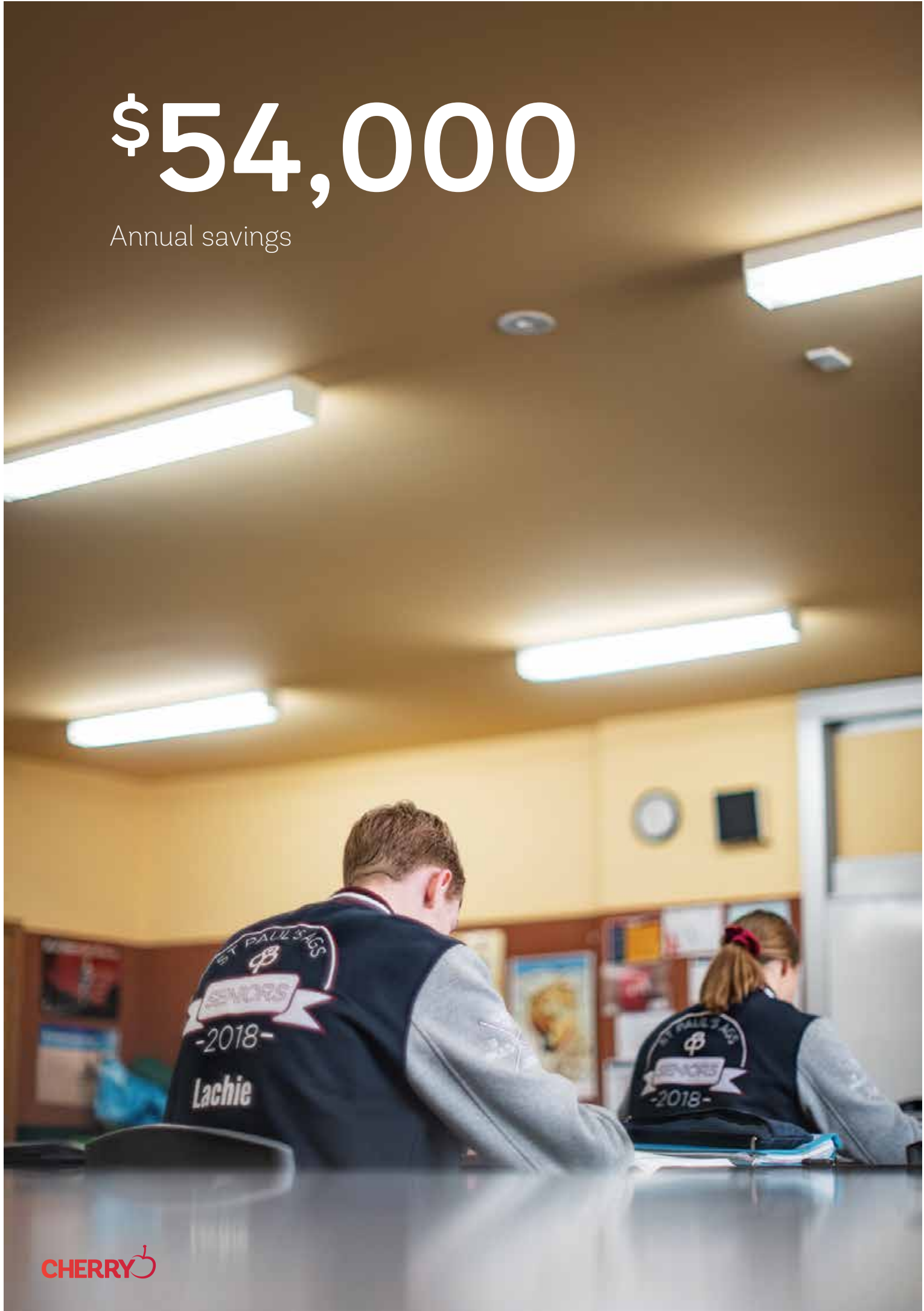
A 99.8kW solar system was installed at the Warragul campus and more than 350 old light fittings were replaced with a range of Cherry LED lights. At the Traralgon campus, more than 1,000 light fittings were replaced with Cherry LEDs and solar was installed on both the junior and senior school sites.

379,033 kg CO₂

Annual savings

\$54,000

Annual savings





 Warragul and Traralgon, Victoria

Impact

Across both campuses, the school is now saving more than 289,711 kWh per annum which is equivalent to more than \$54,150, 379,033 kg CO₂ or taking 80 cars off the road! The significant monetary savings can now be put towards incorporating sustainability into the curriculum. What is more, the installation of Cherry Pulse touch screen monitors has significantly increased awareness of sustainability measures throughout the entire school community. After the success of the project, another 50kW solar system is set to be installed over the coming months to further reduce the school's reliance on grid-power and continue their journey towards energy freedom.

To celebrate their energy efficiency initiatives, St Paul's enjoyed a visit from The Hon. Lily D'Ambrosio MP, Minister for Energy Environment and Climate Change.

