Mater Misericordiae Limited is a large healthcare provider in Brisbane. It comprises several hospitals, health centres, a medical research institute, and pathology and pharmacy businesses. Mater employs over 6,500 staff and volunteers, providing care to hundreds of thousands of people each year.

Among healthcare institutions, Mater practises a unique brand of environmental sustainability leadership which is formally aligned to the Global Green and Healthy Hospitals Agenda.

In 2013, Mater established a partnership with Energex to fund new lighting projects to replace and upgrade inefficient lighting in wards, car parks, and on four floors of the Annerley Road campus. Energex provided approximately 25% of the funding required to help Mater achieve their environmental sustainability initiative of energy cost reduction.

**Objectives**
- Increase staff awareness of energy saving opportunities via an in-house program
- Implement recommendations from the Mater Energy Audit
- Reduced overall energy consumption by 750,000 kWh p.a.

**Benefits and Outcomes**
- Reduced electricity costs p.a. by more than 17% since 2012/2013
- Electricity consumption decreased over 1,700,000 kWh since 2011/12
- Green Design Guidelines developed for all electrical and mechanical works on site, and implemented by Mater’s Capital Works Department.

**Solution and specifications**
- Three lighting projects with Energex to date, which have seen a reduction of 126kW’s off the site’s maximum demand
- 2,993 fluorescent tubes changed from T8 tubes to a T5 with specialised adaptor to negate the need to change light fittings
- Achieved a 32.4% energy reduction and less than 2 years’ return on investment
- Replacement of over 800 compact fluorescent lights with LED lights.

**Testimonial**

“The financial assistance from Energex has supported three lighting upgrades and contributed to a cost effective payback period for these initiatives. Mater values this partnership with Energex that contributes to a reduction in energy costs so funding can be relocated to provide exceptional patient care.”

Chris Hill – Director Environmental Sustainability – Mater

---

**energex**

positive energy