

CASE STUDY

Product: Light Eco® 4.8

Customer: Premier's Department, State Government of New South Wales

Customer Contact: Available upon request

Location: Governor Macquarie Tower, Sydney NSW Australia

Investment: \$60,000 (fully installed)

Annual Savings: \$29,000

Return On Investment: 54% (simple payback = 22 months)

Greenhouse gas savings per year: 398 Tonnes of CO₂ equivalent



Project Description:

The NSW State Government has taken a proactive approach to energy saving and greenhouse gas reduction and the Premier's own department is leading the way in light energy conservation.

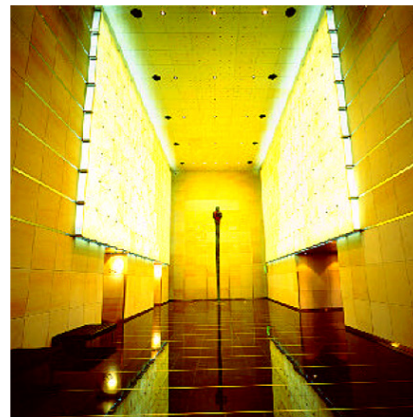
The Premier's Department occupies 12 floors of the Governor Macquarie Tower (GMT) in Sydney. The NSW Department of Public Works conducted extensive measurements of the fluorescent lighting levels in the GMT and determined that much of the lighting could be more energy efficient with the installation of voltage reduction units, similar in principle to how Light Eco® units function.

Public tenders were called for to modify circuits where required and install the energy saving units on approximately 80 fluorescent units. Illum-a-lite submitted the winning tender.

Site Description:

Governor Macquarie Tower is one of Sydney's landmark buildings towering some 40 stories over Chifley Square. The Premier's Department occupies the top 12 floors and each floor has varying levels of security access with a range of lighting.

To maximize the energy savings, circuits were combined to ensure they had more than 14 amps on them. In some cases, circuits were split to isolate incandescent or other lighting types from fluorescent lights. Each floor took about the same number of Light Eco® 4.8 units, with most work occurring after hours to ensure security was maintained and to minimise any disruption to the function of government. DPWS took detailed current, power and power factor readings before and after installation and the results are summarized above.



The information in this Case Study is for the use of ecoBright® customers. For advice or more information on ecoBright® products and applications please contact staff at: **ecoBright® energy solutions** ABN 73 121 912 356 11 Beresford Street Pascoe Vale South Victoria 3044 Australia T: 61 3 9386 3459 F: 61 3 9386 2148 **ecoBright® energy solutions** is a trade mark of ecoBright® Pty Ltd. E: info@ecobright.com.au W: www.ecobright.com.au **Light Eco®** is a registered trade mark of Illumalite Pty Ltd. **Save It Easy®** is a registered trade mark of the Reinig Inotec Group

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