

BEGINNER'S GUIDE TO ENERGY EFFICIENT LIGHTING

Lighting upgrades can be relatively straightforward and offer rapid returns on investment, ongoing operational savings, and reduced maintenance. In addition, many business environments are over-lit compared to the levels recommended by Australian Standard 1680.

The [Energy Audit Lighting Toolkit](#) is a comprehensive tool to help you understand your current lighting status and what you can do to improve it. It offers many helpful tips and a guide to forming an action plan.

QUICK GUIDE

Embed "Switch-Off" into your culture

- > Turn-off equipment whenever there is an opportunity including lights.
- > Switch-off at the wall, especially overnight.
- > Automate the switch-off process wherever viable.
- > Give staff a reason to switch-off, explaining what should be switched off and why.
- > Appoint a switch-off champion.
- > Provide reminders throughout the office including stickers, signs, checklists and posters.
- > Identify with a sticker what should be left on all the time i.e. fridges, hot water units.
- > Ensure equipment with automatic shutdown is doing so at required times.
- > Make it easy to shutdown standby loads by allowing access to power points, using remote controls, or using a centralised system to shut down.

De-lamp

- > Measure existing illumination levels (borrow a lux meter).
- > Compare illumination with recommended standards (see page 7: [Energy Audit Lighting Toolkit](#)).
- > De-lamp over illuminated areas (let maintenance know the globes are not to be replaced).

Upgrade to Energy Efficient Lamps

- > Perform an audit of existing lighting and wattage.
- > Identify which lights can be swapped over directly to LEDs and which need whole fitting replacements.
- > Create a lighting changeover action plan to complete at luminary end of life.

Install Sensors

- > Have a lighting specialist assess business needs.
- > Install sensors in areas of highest benefit.

RESOURCES

- [Lighting Energy Audit Toolkit](#).
- **CitySwitch Workbook** - Section 1 Lighting – Quick Guide (hardcopy available from CitySwitch team).
- [The 20 Step Guide to Cutting Energy Bills in Your Business](#) – John Dee.
- [Office of Environment and Heritage Energy Efficient Lighting Fact Sheet](#).

CASE STUDIES

- [AMP Staff Floor Wars](#) – internal engagement to reduce energy and encourage recycling.
- [Exergy Australia: 6 star NABERS Tenancy Rating – It's easier than you think.](#)
- [City of Unley Case Study](#).

Contact your Cityswitch program manager for more information about incentives and grants available.

Updated Jan 2019

www.cityswitch.net.au

