

Switching to energy efficient lighting

Lighting technology has come a long way in the past ten years. Incandescent Globes (a typical light bulb) or halogen down lights were the main option in homes for many years, but now Compact Fluorescent Globes (CFG's) are set to replace them. CFG's consume less than a quarter of the energy (and cost) of incandescent globes, last a lot longer, and are just as bright. They can directly replace most standard globes as they are available in a variety of shapes and are suitable for bayonet or screw in fittings. CFG's are available in a range of light hues including cool white, warm white and natural, depending on your lighting needs.

WHAT CAN I DO?

Replace a 60W globe with a 14W CFG and it will save money and last 8 times longer. Although CFG's are initially more expensive to buy than regular incandescent globes, they quickly pay for themselves in less than a year through energy savings.

Switch ten standard globes to compact fluorescents and save each year:



Less Emissions

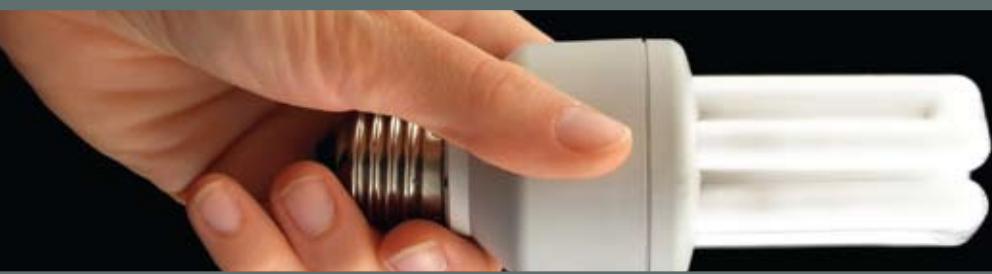
If all WA households replaced just one 75W incandescent globe used for 4 hours each day with an 18W CFG, greenhouse gas emissions would be reduced by over 55,000 tonnes each year – the equivalent of taking over 12,000 cars off the road!



TANYA HA, an expert in environmental living and the author of *Greenology* and *The Australian Green Consumer Guide* provides advice on energy saving in your home.



Department of Environment and Conservation
Department for Planning and Infrastructure



Changing to energy efficient lighting is one of the easiest ways to tackle climate change and save money

HOW DO I DO IT?

- Compact Fluorescent Globes (CFG's) are available at most local hardware stores and supermarkets.
- Consider paying a little more to get a better quality globe (prices vary between \$3 - \$8 per globe).
- Curly styles assist with light distribution.
- Use fluorescent lighting in rooms where light is required for long periods to get the greatest energy and cost savings.
- A CFG shouldn't buzz – if it does, take it back.
- CFG's are generally not suitable for use with dimmers.
- All CFG's contain some mercury, though this is decreasing with new technology. Therefore care needs to be taken when handling and disposing of these globes. If one breaks, open the window and let the room ventilate for 15 minutes. With gloves and a damp disposable cloth, pick up globe pieces. Do not use a vacuum cleaner. Wrap pieces and cleaning gear in a sealable container and place in your rubbish bin.
- Recycling systems for CFG's are being established by some Local Councils. Check www.recyclingnearyou.com.au for more information.
- If your Council has not yet set up a recycling system, store the old globes in a box until the service comes to you. CFG's should last 5 years or more-so recycling will be in place by the time you need it.
- IKEA accept used CFG's that have been purchased from them.

Installing Compact Fluorescent Globes lighting is one of the easiest ways to tackle climate change and save money.