



## **LED's CAN HELP GOVERNMENT PUSH TO SLASH LIGHT BULB EMISSIONS**

Media Release

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Pioneering Australian green technology company, BluGlass Ltd, today welcomed the Federal Government's announcement to phase out incandescent light bulbs and pointed to the huge potential energy savings from next generation LEDs – light emitting diodes.

BluGlass said shifting home lighting from conventional incandescent bulbs to compact fluorescent bulbs is important and a vital step in conserving global energy. However, governments and the community needs to include LED lighting in their plans because LEDs are the most efficient form of lighting and offer the greatest potential for reducing electricity.

BluGlass CEO David Jordan said: "LEDs are very energy efficient – currently up to 5 times better than incandescent lights and equivalent to compact fluorescents. They are also the most environmentally friendly to manufacture as BluGlass uses an innovative, environmentally sensitive process. LEDs have also been tested by the US Department of Energy to last for up to 100,000 hours - 10 years - compared with 1,000 hours for incandescent and 8,000 hours for compact fluorescents. They would be manufactured to fit into existing light fittings and can be easily dimmable and therefore used in mood lighting in any household."

BluGlass is a fully Australian owned company which is in the process of commercialising exciting new technology, pioneered in Australia by Macquarie University in Sydney. BluGlass' core focus is to develop a more efficient and environmentally friendly lighting that can be manufactured cheaply enough to use in the home and in commercial premises.

Mr Jordan said the push to replace traditional light bulbs needs to go beyond existing alternatives such as compact fluorescents. "We have an opportunity to take a home grown business and develop it into a global competitor in LED technology". The widespread adoption of LEDs in lighting will be like the advance from analogue to digital technology in communications".

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A paper issued by the Federal Government, *Greenlight Australia*, estimates that nearly 25 million tons of greenhouse gases are emitted in Australia each year to generate electricity for lighting. Massive savings – up to 8 million tons – could be achieved when LEDs come into general use.

LEDs are already commonly used in traffic lights and for backlighting in mobile phones, TVs and computer screens. The challenge has been to make high brightness LEDs more cheaply. "BluGlass uses a substance called Gallium Nitride to manufacture the substrates used for LEDs and other Semiconductors. It does so at significantly lower temperatures than the conventional methods used by their competitors, allowing the use of more cost efficient materials - such as glass in its novel manufacturing process"

BluGlass was founded in June 2005 and was listed on the Australian Stock Exchange (code: BLG) in September 2006.

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