

GREENHOUSE GASES AND CLIMATE CHANGE

The most common greenhouse gases are carbon dioxide (CO₂), methane and nitrous oxide. CO₂ represents 80% of greenhouse gases and is created when fossil fuels are burnt. It is the main focus of climate change concerns. Greenhouse gases act like a blanket around the earth. But as this layer 'thickens' it absorbs more heat and causes temperatures to rise. This increase in temperature and its impact is referred to as climate change.

What are the potential impacts of climate change on the planet?

- Increased sea levels and flooding of low lying areas
- An increase in frequency of hot extremes, heat waves and heavy rainfall
- Australian water availability problems intensify in southern and eastern areas
- Declining agricultural production in the south and east of Australia
- Australian coastal development will be threatened by rising sea levels
- Worldwide impacts will vary area by area, but many areas will suffer agricultural damage
- There are many potential impacts on bio-diversity etc.



NOW AVAILABLE

The Eco-Friendly Choice CARBON NEUTRAL LPG

*When you make the Eco-Friendly Choice™ and choose Carbon Neutral LPG from Elgas, Elgas offsets the greenhouse gas emissions associated with the production, transport and use of the LPG by purchasing carbon offsets.

For more information please visit www.elgas.com.au



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ELGAS
THE CLEANER ENERGY

ALWAYS CLEANER NOW GREENER



Elgas has been providing Australian homes with cleaner-burning LPG for many years. Because LPG results in lower CO₂ emissions than other energy sources, such as coal fired electricity, it can be a far better choice for the environment.

Comparison of Energy Source Emissions

Stationary Fuel	CO ₂ -e Emissions Kg/GJ	LPG Benefit %
LPG	65.3*	-
Diesel Oil	74.8	13
Fuel Oil	78.4	17
Black Coal	93.1	30
Brown Coal Briquettes	104.3	37
Purchased Electricity - SA	272	76

Emissions are based on a full fuel cycle.
SOURCE: NGA FACTORS, JANUARY 2009

You can make the Eco-Friendly Choice!

When you choose Carbon Neutral LPG* from Elgas, you can reduce your LPG carbon footprint to zero.

As a Carbon Neutral LPG customer, you can contribute a few cents more per day to offset the carbon emissions associated with your use of the LPG, as well as the production and transport of the LPG to you. Your Elgas statements will show how much carbon has been offset by your contribution, so you'll see exactly how much of a difference you make.

In addition to helping the environment, you will still receive the same great Elgas service.



WHAT IS CARBON NEUTRAL LPG?

'Carbon Neutral' is the term used when there is a balance between the CO₂ emissions from burning LPG and abatement activities which reduce greenhouse gas emissions from other sources by an equivalent amount.

Many people wish to compensate for the greenhouse gases their everyday activities emit. To 'offset' these emissions, they can reimburse someone who undertakes an activity that abates (reduces or removes) greenhouse gas emissions. Offset projects can either be the capture of emissions (such as the capture of methane from waste, or the capture of CO₂ by tree planting) or energy efficiency projects that reduce emissions. Carbon Neutral LPG is for customers who wish to offset the emissions from their LPG use. All our greenhouse offsets are sourced from Australian abatement activities. These abatement activities contribute to a net reduction of Australia's greenhouse gas emissions.

