BENARABY LANDFILL *CARBON ABATEMENT* PROJECT

A Gladstone Regional Council initiative owned and operated by Landfill Gas Industries Pty Ltd

The Benaraby Landfill **Carbon Abatement** Project includes a system that captures and destroys harmful landfill gas by flaring. Every month, the system destroys approximately 95 tonnes of methane, which is equivalent to abating around 2,000 tonnes of CO_2.

Each year, this is equivalent to any one of the following:

- Removing 4,269 cars from the road
- Preserving 216 acres of forest from deforestation
- Avoiding consumption of 50,634 barrels of oil

In the future, the flare will be replaced with a gas engine and Benaraby Landfill gas will be used to generate ***green power***.

For further information please contact **LGI**:
P **07 3711 2225** | M **0488 123 138** | **www.lfgas.com.au**

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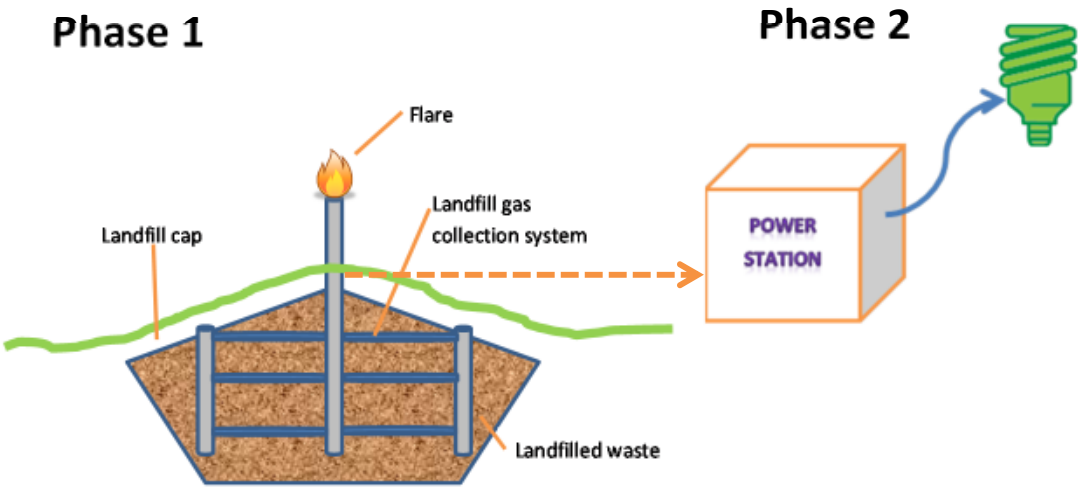

What is landfill gas?

Landfill gas is a mixture of methane (40-60%), carbon dioxide (40-60%) and trace amounts of other substances. Landfill gas is produced by the microorganisms that decompose organic waste buried in the landfill.

Why should we capture landfill gas?

Methane has the ability to warm-up the atmosphere, contributing to climate change. By capturing and combusting landfill gas, the methane is destroyed and converted to carbon dioxide, which has a much smaller impact on global warming. Landfill gas capture also reduces the risk of methane migrating away from the landfill and causing a hazard through combustion or asphyxiation in enclosed spaces. Because methane is a hydrocarbon, it is also an excellent source of energy.

What else can we do to reduce methane?

The best solution is to reduce waste being landfilled, especially organic waste. Consuming less 'stuff', buying only recyclable or reusable items, reusing, recycling, and composting kitchen and garden materials are all ways in which we can reduce methane, limit climate change, and benefit the environment in many other ways, too.

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