

## FACT SHEET

### COPPING LANDFILL GAS FLARING PROJECT

**LMS OWNS AND OPERATES THE COPPING LANDFILL GAS FLARING FACILITY AT THE COPPING LANDFILL IN TASMANIA. OUR PROJECT PARTNER IS SOUTHERN WASTE SOLUTIONS.**



**LMS Flaring Facility located at the Copping Landfill**

The Copping Landfill Gas Flaring Project was commissioned in July 2012. Since commissioning the project has collected and combusted more than 8 million cubic metres of landfill gas.

Landfill gas is made up of approximately 50% methane which is a potent greenhouse gas. The Global Warming Potential (GWP) of methane is 25, which means it is 25 times more harmful than carbon dioxide. Without this project greenhouse gas emissions which occur naturally from the decomposition of waste at the Copping Landfill would be released into the atmosphere.

The project operates with the installation of a series of below ground pipes incorporating gas wells. The gas is drawn into the gas wells by a vacuum pump and then transported through the gas extraction system piping network to the flare where it is recorded and combusted.

The Copping Landfill's gas extraction system comprises of approximately 20 gas wells, using 1,900 metres of pipe and one flaring unit.

This project was declared as an Eligible Offset Project under the Carbon Farming Initiative (CFI) in July 2012, and transitioned to the Emission Reduction Fund (ERF) in December 2014. To date the project has been issued with 27,595 Australian Carbon Credit Units (ACCUs). As at December 2016, the project had abated over 69,000 tonnes (CO<sub>2</sub>e) of carbon.

Operations and maintenance of the Copping Landfill Gas Flaring Project is carried out by LMS' Tasmanian Gas Resources team.

### THE PROJECT HAS ABATED OVER 69,000 TONNES OF CARBON

It is envisaged that the future of the project may potentially see a renewable energy facility installed.

The gas would be transported to the power station where it would be converted into renewable electricity and exported to the grid.

Benefits of typical 1.1 mega-watt (MW) power station could potentially see approximately 9,000 mega-watt hours (MWh) of base-load renewable electricity being exported to the grid each year. This is enough electricity to power over 1,500 homes 24/7 in the local community. It could also see a saving of approximately 20 million litres of water each year when compared to a traditional coal-fired power station.

LMS is very proud to have a strong relationship with Southern Waste Solutions. Over the years they have demonstrated an ongoing commitment towards best practice waste management, and have identified carbon abatement as a priority for both current and future generations.

We commend Southern Waste Solutions and look forward to the future success of this project.

**To find out more please visit:**

**LMS Energy**  
[lms.com.au](http://lms.com.au)