

THE LIMELIGHT

AWABA RENEWABLE ENERGY FACILITY - LMS & LAKE MACQUARIE COUNCIL

LMS OWNS AND OPERATES THE AWABA RENEWABLE ENERGY FACILITY AT THE LAKE MACQUARIE LANDFILL IN NEW SOUTH WALES. OUR PROJECT PARTNERS ARE LAKE MACQUARIE CITY COUNCIL AND INFRATIL ENERGY AUSTRALIA.



Awaba Renewable Energy Facility

Commissioned in February 2007, Awaba is LMS' tenth renewable energy project. Today, the extraction and combustion of methane gas from the site continues, having generated over 51,600 Large-Scale Generation Certificates (LGCs). Awaba typically has an excellent generation capacity between 90-95% of installed capacity.

AWABA IS LMS' TENTH RENEWABLE ENERGY PROJECT

The 1.1MW module exports approximately 8,360MW hours of renewable energy each year. To date, the facility has exported more than 51,600MW hours of base-load renewable energy, currently enough energy to power approximately 1,200 homes per annum. The facility will also undergo a rebuild later this month.

This project has been declared as an Eligible Offset Project under the Carbon Farming Initiative (CFI).

All electricity produced from the site is sold to Infratil Energy Australia. Infratil buy electricity from LMS' facilities across Victoria, New South Wales and Tasmania.

Operations and maintenance of the Awaba Renewable Energy Facility is carried out by the NSW Operations team, led by Senior Supervisor **Nathan McClelland** and Supervisor **Craig Penney**.

BENEFITS OF THE AWABA RENEWABLE ENERGY FACILITY SINCE IT WAS COMMISSIONED

*AS AT 30 APRIL 2013

MW/H EXPORTED	51,600
GAS EXTRACTED	30,960,000 M3
CO _{2e} ABATED	268,400 TONNES
WATER SAVED	70,950,000 LITRES

CURRENTLY POWERING 1,200 HOMES PA

LMS would like to congratulate Lake Macquarie City Council for their commitment to renewable energy and carbon abatement. After six years our partnership continues to provide the community with a resource recovery solution. LMS look forward to the ongoing success of this project.

To find out more about our project partners please visit:

Lake Macquarie City Council
lakemac.com.au

Infratil Energy Australia
infratil.com.au

The Lake Macquarie Landfill has a gas extraction system comprising 55 gas wells, utilising approximately 4,000 metres of pipe. This system is maintained under vacuum 24 hours a day, seven days a week, to ensure gas is extracted at the same rate it is produced. Nearly 40 million cubic metres of LFG has been collected and combusted since the facility began operation.