

THE LIMELIGHT

BALLARAT RENEWABLE ENERGY FACILITY - LMS & CITY OF BALLARAT

LMS OWNS AND OPERATES THE BALLARAT RENEWABLE ENERGY FACILITY AT THE SMYTHESDALE LANDFILL IN VICTORIA. OUR PROJECT PARTNERS ARE CITY OF BALLARAT AND LUMO ENERGY.



Commissioned in January 2008, Ballarat is LMS' twelfth renewable energy project. The 0.5MW facility exports approximately 4,000MW hours of renewable energy each year, powering approximately 600 homes in the local community per annum. The site has been extremely successful, recently achieving a monthly average capacity factor of 95.7%. This facility also marks the first time a Caterpillar 3508 Engine was used at one of LMS' renewable energy facilities.

Since commissioning, the facility has exported more than 24,400MW hours of base-load renewable energy, and generated over 24,400 Large-Scale Generation Certificates (LGCs). All electricity produced from the site is sold to Lumo Australia.

EXPORTED MORE THAN 24,000MW HOURS OF BASE-LOAD RENEWABLE ENERGY

The Smythesdale Landfill has a gas extraction system comprising 60 gas wells, using approximately 4,700 metres of pipe. Over the years, more than 14 million cubic metres of LFG has been collected and combusted from flaring and electricity generating activities. In addition, this facility has saved over 36 million litres of water when compared to typical wet-cooled, coal-fired power stations.

LMS is very proud to have a strong relationship with the City of Ballarat. Over the years they have demonstrated an ongoing commitment towards best practice waste management, and have identified renewable energy and carbon abatement as a priority for both current and future generations. We commend the City of Ballarat and look forward to the future success of this project.

To find out more about our project partners please visit:

City of Ballarat
ballarat.vic.gov.au

BENEFITS OF THE BALLARAT RENEWABLE ENERGY FACILITY SINCE IT WAS COMMISSIONED

***AS AT 31 DECEMBER 2013**

MW/H EXPORTED	24,400
GAS EXTRACTED	14,640,000 M3
CO _{2e} ABATED	126,900 TONNES
WATER SAVED	36,600,000 LITRES

CURRENTLY POWERING 600 HOMES PA

The project has also been declared as an Eligible Offset Project under the Carbon Farming Initiative (CFI), and to date has been issued with 18,598 ACCUs. As at December 2013, the site had abated over 126,900 tonnes (CO_{2e}) of carbon. Operations and maintenance of the Ballarat Renewable Energy Facility is carried out by Operators **Mark Dawe** and **Damien Butcher**, and further assisted by the VIC Operations team.