

THE LIMELIGHT

EASTERN CREEK RENEWABLE ENERGY FACILITY - LMS & WASTE ASSET MANAGEMENT CORPORATION

LMS OWNS AND OPERATES THE EASTERN CREEK RENEWABLE ENERGY FACILITY IN NEW SOUTH WALES. OUR JOINT VENTURE PARTNERS ARE WASTE ASSET MANAGEMENT CORPORATION (WAMC) AND ORIGIN ENERGY ELECTRICITY

Commissioned in May 2008, Eastern Creek is LMS' thirteenth renewable energy project. Today, the 7.7MW facility is LMS' second largest facility, exporting approximately 60,000MW hours of renewable energy each year. This is enough energy to power more than 8,500 homes in the local community per annum.

Since commissioning, the facility has exported more than 332,000MW hours of base-load renewable energy, and generated over 332,000 Large-Scale Generation Certificates (LGCs). All electricity produced from the site is sold to Origin Energy Electricity Ltd. This site was first registered with NEMMCO in 2008, and is now registered with the Australian Energy Market Operator (AEMO).

EXPORTED MORE THAN 332,000MW HOURS OF BASE-LOAD RENEWABLE ENERGY

The project has also been declared an Eligible Offset Project under the Carbon Farming Initiative (CFI), and to date has been issued with 186,942 ACCUs. As at April 2014, the site had abated over 1,700,000 tonnes (CO₂e) of carbon. Operations and maintenance of the Eastern Creek Renewable Energy Facility is carried out by the NSW Operations team, led by Manager **Nathan McClelland** and Supervisor **Craig Penney**.

BENEFITS OF THE EASTERN CREEK RENEWABLE ENERGY FACILITY SINCE IT WAS COMMISSIONED

*AS AT 30 APRIL 2014

MW/H EXPORTED	332,000
GAS EXTRACTED	199,200,000 M3
CO ₂ e ABATED	1,727,000 TONNES
WATER SAVED	499,800,000 LITRES

CURRENTLY POWERING 8,500 HOMES PA

The Eastern Creek Landfill has a gas extraction system comprising 235 gas wells, using approximately 5,000 metres of pipe. Over the years, nearly 200 million cubic metres of LFG has been collected and combusted from flaring and electricity generating activities. In addition, this facility has saved nearly 500 million litres of water when compared to typical wet-cooled, coal-fired power stations.

LMS is very proud of our business partnership with WSN Environmental Solutions. Renewable energy plays a pivotal role in Australia's energy mix, and projects such as these continue to have a positive impact towards a less carbon-intensive energy sector. LMS looks forward to the continued success of this Joint Venture and its ongoing environmental and financial outcomes for all stakeholders.

To find out more about our project partners please visit:

Waste Asset Management Corporation
wamc.nsw.gov.au

