

PUBLIC REPORT 2010 -2011

Controlling Corporation:	Metal Manufactures Limited	
Reporting Period	Start:	01/07/2010
	End:	30/06/2011

Description of the way in which MM Kembla has carried out its assessments

MM Kembla has continued to make progress with energy saving programs. All capital grant applications require that the projects be assessed for energy efficiency opportunities. Priority is given to the progression of projects with the potential to achieve significant energy savings.

Employees across all levels are encouraged to participate in the process of reducing the amount of energy required to manufacture each unit of product. A business objective is to maintain a high standard of quality, reducing the amount of scrap produced. We are able to attain business economies through a combination of energy, water and labor savings.

MM Kembla continues to report monthly to the board of directors. This provides key details and trends for the facility energy usage. Energy Efficiency is a key performance indicator on the balanced scorecard, with energy used per tonne of product produced used as the key indicator.

Assessed Energy Usage

MM Kembla	390 962 GJ
------------------	------------

This figure represents 100% of the total assessed energy usage for the current reporting period. The energy use data was collected to an accuracy of $\pm 5\%$.
MM Kembla is the only entity assessed within this public report as part of Metal Manufactures Limited.

Table 1: New Assessments completed during the reporting period

Energy Efficiency Opportunities that have been identified and evaluated to an accuracy of $\pm 30\%$

Status of Opportunities	Estimated energy savings per annum by payback period (GJ)			Number of Opportunities	Total estimated energy savings per annum (GJ)	
	0 – < 2 years	2 – ≤ 4 years	> 4 years			
Total Identified	1			1	6400	
Business Response	Under Investigation					
	To be Implemented					
	Implementation Commenced	1 (6400 GJ)			1	6400
	Implemented					
Not to be Implemented						

Table 2: Update of assessments originally reported in previous reporting periods

Energy Efficiency Opportunities that have been identified and evaluated

Status of Opportunities		Estimated energy savings per annum by payback period (GJ)			Number of Opportunities	Total estimated energy savings per annum (GJ)
		0 – < 2 years	2 – ≤ 4 years	> 4 years		
Total Identified		3	4	2	9	46360
Business Response	Under Investigation		1 (3600 GJ)	1 (6480 GJ)*	2	10080
	To be Implemented					
	Implementation Commenced	1 (3600 GJ)			1	3600
	Implemented	2 (13390 GJ)			2	13390
	Not to be Implemented		3 (19290 GJ)	1 (0.06 GJ)	4	19290

* Project not assessed to an accuracy of ±30%

Energy Efficiency Opportunities that have been identified and evaluated

Opportunity 1 - KCR Pack Splitter

A pack splitting system has commenced implementation. The system will change the loading orientation of the copper sheets as they are charged into a melting furnace. This would increase the surface area available to the high temperature gas. Gas savings of approximately 7% were achieved during trials. This project has been approved and is the process of being installed and commissioned. It is estimated that a working system would result in a saving of 400 tonnes of CO₂ per year based on 2009 gas efficiencies. Verification of energy savings will be performed after commissioning is complete.

Opportunity 2 - Raise KCR Stack Height

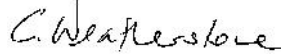
Relining of the KCR furnace shell was deferred from late 2011 until 2012 due to the economic climate. This reline will provide the opportunity to increase the height of the shaft furnace stack, allowing for longer residence time in the furnace. This would increase the heating efficiency of gas and may provide up to 5% reduction in gas usage.

Opportunity 3 – Tube Mill Compressor Upgrade

It has been identified that the Tube Mill air compressors will require an upgrade to maintain long term support of the system. New equipment has more efficient designs to achieve electricity efficiency.

Declaration of accuracy and compliance

The information included in this report has been reviewed and noted by the board of directors and is to the best of my knowledge, correct and in accordance with the *Energy Efficiency Opportunities Act 2006 and Energy Efficiency Opportunities Regulations 2006*.


Chief Executive Officer
20 December 2011