



PUBLIC REPORT TEMPLATE 2012

Part 1 - Corporation Details

Controlling Corporation

Insert the name of the Controlling Corporation exactly as it is registered with the EEO Program.

MOUNT GIBSON IRON LIMITED

Table 1.1 - Major Changes to Corporate Group Structure or Operations


Table 1.1 – Major Changes to Corporate Group Structure or Operations in the last 12 months

As per notation in the Mount Gibson Iron (MGI) 2011 report, Extension Hill Mine Site has been included in the Corporate Structure and has been commissioned. A formal EEO assessment will be conducted over the next 12 months and Extension Hill will be included in the 2013 EEO Report.

Declaration

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*.

	
	JIM BEYER Chief Executive Officer
	Date : 22.11.12

Part 2 - Assessment Outcomes

Table 2.1 – Assessment Details

It is compulsory to complete a separate table for each entity* that has been assessed

Name of entity	Mount Gibson Mining Limited (Group Member) Talling Peak Operations	
Total energy use in the last financial year	792,800	GJ
Total percentage of energy use assessed when assessments were undertaken	43.63	%

Description of the way in which the entity carried out its assessment

The initial Talling Peak assessment was conducted in 2010. The report for that year identified production equipment as the largest consumer of energy.

The Energy Efficiency Opportunity assessment took a broad approach, encompassing all major energy consuming areas and a cross section of mine employees. The assessment was aimed at identifying potential energy efficiency improvements.

The current assessment notes that there was an increase in energy use over the 12 month period from 0.74 PJ to 0.79 PJ. This is in line with production levels.

The key energy efficiency opportunity noted in the 2011 report involved a power saving system for site generators. The system did not present any energy savings and as such will not be pursued further.

The energy measurement process was externally audited during the reporting period. A letter of assurance was provided by the auditors along with an initiative to increase the accuracy of reporting through direct measurement and also proposed potential data verification processes. These initiatives will be investigated over the next reporting period and implemented where appropriate.

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more than 0.5PJ of energy, all energy use must be assessed (less a small proportion for non integral energy use).

Part 2 - Assessment Outcomes

Table 2.1 – Assessment Details

It is compulsory to complete a separate table for each entity* that has been assessed

Name of entity	Koolan Island Iron Ore Pty Ltd (Group Member) Koolan Island Operations	
Total energy use in the last financial year	1,024,000	GJ
Total percentage of energy use assessed when assessments were undertaken	56.36	%

Description of the way in which the entity carried out its assessment

The initial Energy Efficiency Opportunity assessment took a broad approach, encompassing all major energy consuming areas and a cross section of mine employees. The assessment was aimed at identifying potential energy efficiency improvements.

The current assessment notes that there was an increase in energy use over the 12 month period from 0.79 PJ to 1.02 PJ. This is in line with an increased heavy vehicle fleet and production levels.

The initiative to consolidate infrastructure and the respective generators is currently being implemented.

The initiative to educate the workforce in energy conservation is ongoing.

A new initiative to replace lighting towers with high energy efficient LED lights has commenced with eight lighting towers being converted. The potential improvements in energy efficiency will be assessed over the next reporting period.

A second new initiative has been considered. This involves the introduction of remote operator terminals which will allow the operators to request or reduce energy by bringing standby generators on line or shutting them down when not in use. This has the potential to provide energy efficiency savings as nominated in table 2.2

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more than 0.5PJ of energy, all energy use must be assessed (less a small proportion for non integral energy use).

Table 2.2 - Energy efficiency opportunities identified in the assessment for Talling Peak Operations

It is compulsory to complete a separate table for each entity that has been assessed

Status of opportunities identified to an accuracy of better than or equal to ±30%	Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
		0 – 2 years		2 – 4 years		> 4 years		
		No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented							
	Implementation Commenced							
	To be Implemented	1	1	Nil				Nil – Measurement accuracy
	Under Investigation	1	1	392				
	Not to be Implemented	1	1					
Outcomes of assessment	Total Identified	3	3	392				

Please note that Corporate Groups are not required to report opportunities with a payback greater than 4 years. Reporting this data is voluntary.

Table 2.2 - Energy efficiency opportunities identified in the assessment for Koolan Island Operations

It is compulsory to complete a separate table for each entity that has been assessed

Status of opportunities identified to an accuracy of better than or equal to ±30%		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – 2 years		2 – 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented								
	Implementation Commenced	1	1	4830				4830	
	To be Implemented	1	1	1183				1183	
	Under Investigation	2	2	392+155/lighting plant				392+155/lighting plant	
	Not to be Implemented								
Outcomes of assessment	Total Identified	4	4	6560				6560	

Please note that Corporate Groups are not required to report opportunities with a payback greater than 4 years. Reporting this data is voluntary.

Table 2.3 - Details of significant opportunities identified in the assessment

Corporate Groups are required to provide at least 3 examples of significant opportunities for improving the energy efficiency of the group that have been identified in assessments.

Description of Opportunity No 1	Voluntary Information	
<p>Power for the Koolan Island Operations is currently supplied by a number of diesel fuelled generators.</p> <p>It has been identified that a consolidation of the separate generators that supply power to the workshop, administration and stores facilities and an assessment of the suitability of all minor site generators to optimise power production on site may reduce diesel consumption in generators by an estimated 5%.</p>	Equipment Type	Generators
	Business Response	
	Energy saved (GJ)	4830
	Greenhouse gas abated (CO2-e)	
	\$s saved	
	Payback period	

Description of Opportunity No 2	Voluntary Information	
<p>An investigation of remote operator terminals for the 62RL power station has shown that it will provide process plant and ship loader operators with the ability to start additional generating plant when required to suit operational requirements.</p> <p>Additional controls programming, will also shut down generating plant when not required thereby reducing the need for running additional generating plant for potential spinning reserve when not required. A 3% reduction in fuel consumption at the 62RL power station is achievable via this initiative.</p>	Equipment Type	Generators
	Business Response	
	Energy saved (GJ)	1183
	Greenhouse gas abated (CO2-e)	
	\$s saved	
	Payback period	

Description of Opportunity No 3	Voluntary Information	
<p>Eight lighting plants have been changed out for high energy efficiency LED lights. A review of the saving from this initiative will be investigated and if economically viable will be extended to other lighting plants within the organisation.</p>	Equipment Type	Lighting Plants
	Business Response	
	Energy saved (GJ)	155 GJ per lighting tower
	Greenhouse gas abated (CO2-e)	
	\$s saved	
	Payback period	

Please note that the "Description of the Opportunity" above should include information on the specific nature and type of opportunity as well as information on the type of equipment and/or process involved.

Part 3 – Transition to Second Cycle

This table should only be completed by 2005-06 trigger-year corporations transitioning to the second cycle.

In December 2011 many corporations reported energy efficiency opportunities that were still under investigation as at 30 June 2011. This report should advise what your business response to these opportunities has been – implemented or not to be implemented. If you intend to further investigate these opportunities, they should be reported in the future Public Reports as opportunities identified in the second cycle.

Status of opportunities identified to an accuracy of better than or equal to $\pm 30\%$		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy savings per annum (GJ)
			0 – 2 years		2 – 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
As reported in December 2011	Under Investigation								
Business Response as at 30 June 2012	Implemented								
	Not to be Implemented								
	To be evaluated/reported in the second cycle								

Not applicable to MGI for the 2012 reporting period