PUBLIC REPORT 2012

Part 1 - Corporation Details

Controlling Corporation

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

Gold Fields Australia Pty Ltd

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
During the financial year 2011/12 the St Ives Gold Mine commenced the transition from Contractor to Owner/ Miner while the Agnew Mine completed this transition. During the assessment period the Agnew Gold Mine encountered difficult underground mining conditions, resulting in a revised mine plan and subsequent gold production. This impacted the capacity to progress in some areas of assessment.

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*.	 Richard Weston Executive Vice President – Head of Australasia **Date: 19th December 2012**

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	St Ives Gold Mining Company Pty Ltd

Total energy use in the last financial year	1,887,522	GJ
Total percentage of energy use assessed when assessments were undertaken	92.1	%

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

Central to this year's assessment was the roll-out of Gold Fields global Integrated Energy & Carbon Management Strategy. This strategy was supported by the CEO based in Johannesburg, South Africa as well as Corporate Management in Australia. An external consulting firm conducted an interview and assessment process at the St Ives site. This process encompassed consultation with site employees, quantifying energy and emission data sources, assessing potential opportunities and developing strategies for implementing such opportunities. These opportunities were prioritised internally and from a global context. Opportunities falling within the Energy Efficiency Opportunity framework were included in the assessment. Opportunities demanding further investigation were placed in the 2013 budget for further assessment. These opportunities require a more substantial evaluation to be included in an assessment

In parallel with this initiative, St Ives continued to involve employees in energy efficiency opportunity gathering by distributing bi-monthly energy efficiency newsletters and through monthly department review processes. These activities were used to incite and encourage idea generation as well as updating the site on energy performance through meaningful KPI's. Furthermore, meetings were held and opportunities assessed with the Project Team overseeing the operations passage to Owner/ Miner status from Contractor mining. Business Improvement personnel were also involved in projects that delivered energy savings as well as monetary savings, through vendor evaluation and financial assessment

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more that 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	Agnew Gold Mining Company Pty Ltd

Total energy use in the last financial year	477,859	GJ
Total percentage of energy use assessed when assessments were undertaken	99.46	%

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

The Agnew Gold Mine was similarly involved with the Integrated Energy and Carbon Management Strategy globally undertaken by Gold Fields. The same methodology was adopted in involving leadership personnel through teleconferencing at a global prospective, in corporate meetings and on site with operational personnel. Many opportunities and processes embraced at St Ives were also amenable to the Agnew Gold Mine albeit on a smaller scale. Key personnel in Mining, Engineering and Processing were involved and responded to opportunity development and determining practicality in implementation.

Correspondingly, opportunities that were assessed to within the framework of the key elements were added to the assessment while potential ideas were placed in future budget lists for a more rigorous evaluation.

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more that 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

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

ST IVES GOLD MINING COMPANY									
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	2	2	1,581	-	-	-	-	1,581
	Implementation Commenced	2	-	-	2	5,336	-	-	5,336
	To be Implemented	0	-	-	-	-	-	-	-
	Under Investigation	1	1	6,384	-	-	-	-	6,384
	Not to be Implemented	0	-	-	-	-	-	-	-
Outcomes of assessment	Total Identified	5	3	7,965	2	5,336	-	-	13,301

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

AGNEW GOLD MINING COMPANY

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	1	-	-	1	1,709	-	-	1,709
	Implementation Commenced	0	-	-	-	-	-	-	-
	To be Implemented	0	-	-	-	-	-	-	-
	Under Investigation	0	-	-	-	-	-	-	-
	Not to be Implemented	0	-	-	-	-	-	-	-
Outcomes of assessment	Total Identified	1	-	-	1	1,709	-	-	1,709

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	
Hydrocarbon refrigerant has been introduced to refrigerated air-conditioning and ice making appliances, to reduce electricity consumption. This has been achieved by lowering head pressures required for operation and through shorter compressor run cycle times. Hydrocarbon refrigerant also carries a minimal global warming and ozone depletion rating	Equipment Type	Refrigeration systems
	Business Response	Implemented
	Energy saved (GJ)	1,261 GJ
	Greenhouse gas abated (CO2-e)	186t CO2-e (electricity only)
	$s saved	A$77,336
	Payback period	1.4 years

Description of Opportunity No 2	Voluntary Information	
An air-compressor within a bank of 3 has been replaced with a more efficient unit that, coupled with an air management system, reduces electricity demand and delivers a more sustained air supply to the Plant. The new compressor has a lower energy consumption rating but through efficient design and better management, the new compressor delivers a better air supply at a lower energy consumption rate.	Equipment Type	Air-Compressor
	Business Response	Implemented
	Energy saved (GJ)	1,709 GJ
	Greenhouse gas abated (CO2-e)	252t CO2-e
	$s saved	A$107,314
	Payback period	2.8 years

Description of Opportunity No 3	Voluntary Information	
An Open Pit Mining fleet includes diesel powered mobile lighting towers for illumination of mining areas on nightshift. These units are being replaced with purchased lighting towers that are more efficient in operation and require less servicing. The new lighting towers employ LED lighting and house a much smaller engine. Fuel tank size has been expanded to allow less fills and service checks. Programmed dusk-dawn operation can also allow automated switch-off, greatly reducing run time.	Equipment Type	Mobile Lighting Tower
	Business Response	Commenced
	Energy to be saved (GJ)	5,326 GJ
	Greenhouse gas to be abated (CO2-e)	370
	$s to be saved	A$504,674
	Payback period	2.9

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 ±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	2	2	160	-	-	-	-	160
Business Response as at 30 June 2012	Implemented	-	-	-	-	-	-	-	-
	Not to be Implemented	-	2	160	-	-	-	-	-
	To be evaluated/reported in the second cycle	-	-	-	-	-	-	-	-