

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

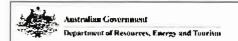
The information included in this report has been reviewed and noted by the board of directors and is to the best of my knowledge, correct and in accordance with the Energy Efficiency Opportunities Act 2006 and Energy Efficiency Opportunities Regulations 2006.

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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 KPl'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.

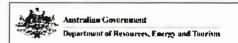
^{*} Entity is group member, business unit, or key activity. Please note that, for individual sites that use more that 0.5PJ of energy, all energy use must be assessed (less a small proportion for non-integral energy use).

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

		Total Number of opportunities	Estimated energy savings per annum by payback period (GJ)						Total estimated energy
Status of opportunities identified to an accuracy of better than or equal to ±30%			U - Z years		2 - 4 years		> 4 years		savings per annum (GJ
			No of Opps	(4.	No of Opps	- G.I	No of Opps	GJ	
Response	Implemented	2	2	1,581	-	-	n)#*	0 =	1,581
	Implementation Commenced	2		Ä	2	5,336	: =	i se	5,336
	To be Implemented	0	-	Ĭ.	ä	-	2	2=	
	Under Investigation	1	1	6,384	-	=	Ē	14	6,384
	Not to be Implemented	0	-	-	-	=	π	Ē	-
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 COMP. Status of opportunities identified to an accuracy of better than or equal to ±30%		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Estimated energy savings per annum by payback period (GJ)						Total estimated energy
		Total Number of opportunities	U - L VEGIS		2 - 4 years		> 4 years		savings per annum (GJ)
			No of Opps	(4.1	No of Opps	GJ	No of Opps	GJ	
Business	Implemented	1	9	ë.	1	1,709	=	-	1,709
To be In Under Ir	Implementation Commenced	0	-	Е.	-	-	-	2 ,	-
	To be Implemented	0	-0	= -	=//	<u> </u>	8	8	-
	Under Investigation	0	=2	=0	•	14 =_	-	-	
	Not to be Implemented	0	-8	- 5	-7	-:	-	-	.=
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	Equipment Type	Refrigeration systems		
air-conditioning and ice making appliances, to reduce electricity	Business Response	Implemented		
consumption. This has been achieved by lowering head	Energy saved (GJ)	1,261 GJ		
pressures required for operation and through shorter	Greenhouse gas abated (CO2-e)	186t CO2-e (electricity only)		
compressor run cycle times. Hydrocarbon refrigerant also	\$s saved	A\$77,336		
carries a minimal global warming and ozone depletion rating	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	Equipment Type	Air-Compressor			
more efficient unit that, coupled with an air management	Business Response	Implemented			
system, reduces electricity demand and delivers a more	Energy saved (GJ)	1,709 GJ			
sustained air supply to the Plant. The new compressor has a	Greenhouse gas abated (CO2-e)	252t CO2-e			
lower energy consumption rating but through efficient design and better management, the new compressor delivers a better	\$s saved	A\$107,314			
air supply at a lower energy consumption rate.	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.	Equipment Type	Mobile Lighting Tower		
These units are being replaced with purchased lighting towers	Business Response	Commenced		
that are more efficient in operation and require less servicing. The new lighting towers employ LED lighting and house a	Energy to be saved (GJ)	5,326 GJ		
much smaller engine. Fuel tank size has been expanded to	Greenhouse gas to be abated (CO2-e)	370		
allow less fills and service checks. Programmed dusk-dawn operation can also allow automated switch-off, greatly reducing	\$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.

			Estimated energy savings per annum by payback period (GJ)						Total estimated energy	
Status of opportunities identified to an accuracy	Total Number of	0 - 2 years		2 - 4 years		> 4 years		savings per annum (GJ)		
of better than or equa	er than or equal to ±30%		No of Opps	(5.1	No of Opps	GJ	No of Opps	GJ		
As reported in December 2011	Under Investigation	2	2	160	3 0	Ŋ	ŝ	e .	160	
Business Response as at 30 June 2012	Implemented	6/	40	*	S-7	: -):				
	Not to be Implemented		2	160	140	:=0:	. 4			
	To be evaluated/reported in the second cycle	4 0		(2)		.	ę.	127	2	

