



PUBLIC REPORT 2013

Part 1 - Corporation details

Controlling corporation

Insert the name of the controlling corporation exactly as it is registered with the EEO Program.

Jellinbah Group 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

None.

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*.

Mr Greg Chalmers
Chief Executive Officer

Date 18 December 2013

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	Jellinbah East JV		
Total energy use in the last financial year (FY12/13 NGRS Reporting)	1,955,122	GJ	
Total percentage of energy use assessed when assessments were undertaken	80	%	

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

Overburden Assessment:

In February 2013, Alberfiend Consultants conducted a site review of energy consumption data associated with the mining operations, in particular overburden removal, as part of preparing an Energy Mass Balance diagram depicting energy flows from Jellinbah's mining operation.

Coal Mining Assessment at Jellinbah Plains:

A significant study was conducted into the potential relocation of the coal crushing plant at the site's Plains pit. Over time, mining in that pit has progressed north, further away from the coal crushing plant, thereby increasing the distance that coal haulage trucks have to travel in their work cycle, and in turn increasing the fuel/energy consumption of the trucks. Significant fuel/energy saving were identified from the relocation of the crusher, which formed an integral part of the capital justification for purchasing a new crushing plant. A capital project to install a new crushing plant has been initiated.

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more than 0.5 PJ 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

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	4							1,500
Implemented	4					4		1,500
Implementation commenced	5	3	25,543	1	5,558	1	198	31,299
To be implemented	0							
Under investigation	8					8		
Not to be implemented	3					3		
Outcomes of assessment	20	3	25,543	1	5,558	16	1,698	32,799

Please note that corporate groups are **not required** to report opportunities with a payback greater than four 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 three 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	
Relocation of Jellinbah Plains crushing plant to reduce dump truck haulage distance as the mining activities progresses to the North.	Equipment type	Haul Trucks	
	Business response	Implementation Commenced	
	Energy saved (GJ)	21,230	
	Greenhouse gas abated (CO2-e)	1,469	
	\$ saved	\$690,000	
	Payback period	Approx 2 Years	

Description of opportunity No. 2		Voluntary Information	
To build a dam to manage water on site and also serve as a water fill point for the Southern Central Pit. This reduced diesel usage for water trucks by reducing their work cycle distances and time.	Equipment type	Water Cart	
	Business response	Implemented	
	Energy saved (GJ)	852	
	Greenhouse gas abated (CO2-e)	59	
	\$ saved	\$27,706	
	Payback period	> 4 Years	

Description of opportunity No. 3		Voluntary Information	
Reduction of haulage ramp gradients to 8%	Equipment type	Haul Trucks	
	Business response	Implementation Commenced	
	Energy saved (GJ)	5,558	
	Greenhouse gas abated (CO2-e)	384	
	\$ saved	\$180,000	
	Payback period	Approx 4 Years	

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 part should only be completed by 2006-07 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								
Business response as at 30 June 2012	Under investigation							
	Implemented							
	Not to be implemented							
To be evaluated/reported in the second cycle								

****Please note the Jellinbah Group did not have any carry over EEO Projects into the Second Cycle.****