



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.

Centennial Coal Company 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

Newstan Colliery recommenced operation in July 2011 and Ivanhoe North has ceased activities in April 2012

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*.

Steve Bracken, COO for David Moulton, CEO

Date 19/12/12



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

Airly Colliery

Total energy use in the last financial year

28,479

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Angus Place Colliery

Total energy use in the last financial year

182,305

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Charbon Colliery

Total energy use in the last financial year

207,403

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager. Projects were assessed in detail with respect to the remaining life of mine.

* 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).



Name of entity

Clarence Colliery

Total energy use in the last financial year

167,250

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Mandalong Mine

Total energy use in the last financial year

258,571

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Mannering Colliery

Total energy use in the last financial year

74,902

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Myuna Colliery

Total energy use in the last financial year

133,649

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Newstan Colliery

Total energy use in the last financial year

118,018

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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).



Name of entity

Springvale Colliery

Total energy use in the last financial year

265,758

GJ

Total percentage of energy use assessed

100

%

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

Review of projects in the previous cycle and re-assessment of projects carried over in collaboration between site and external consultant/group responsible manager

* 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

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

AIRLY COLLIERY									
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	
Business Response	Implemented	1	1	355					355
	Implementation Commenced								
	To be Implemented	1	1	716					716
	Under Investigation	1							
	Not to be Implemented								
Outcomes of assessment	Total Identified	3	2	1,071					1,071

ANGUS PLACE COLLIERY									
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	
Business Response	Implemented	1	1	1,357					1,357
	Implementation Commenced	1	1						
	To be Implemented								
	Under Investigation								
	Not to be Implemented	1	1	486					486
Outcomes of assessment	Total Identified	3	3	1,843					1,843



CHARBON COLLIERY

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	
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented	1	1	7,061					7,061
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified	1	1	7,061					7,061

CLARENCE COLLIERY

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	
Business Response	Implemented								
	Implementation Commenced	4	3	11,844	1	2,862			14,706
	To be Implemented								
	Under Investigation	1	1	850					850
	Not to be Implemented								
Outcomes of assessment	Total Identified	5	4	12,694	1	2,862			15,556



MANDALONG MINE

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	
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified								

MANNERING COLLIERY

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	
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified								



MYUNA COLLIERY

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	
Business Response	Implemented	1	1	11,520					11,520
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified	1	1	11,520					11,520

NEWSTAN COLLIERY

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	
Business Response	Implemented	1	1						
	Implementation Commenced								
	To be Implemented	1			1	202			202
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified	2	1		1	202			202



SPRINGVALE COLLIERY									
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	
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified								

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	
Longwall face water management reducing pumping requirements by reducing from 4 pumps alongside the longwall to 2 pumps at the face	Equipment Type	5.6
	Business Response	Implemented
	Energy saved (GJ)	1,357
	Greenhouse gas abated (CO2-e)	335
	\$s saved	\$174,000
	Payback period	1.6

Description of Opportunity No 2	Voluntary Information	
Compressed Air Leak Survey and Reduction Program	Equipment Type	5.4
	Business Response	Implementation Commenced
	Energy saved (GJ)	3,204
	Greenhouse gas abated (CO2-e)	792
	\$s saved	\$86,000
	Payback period	0.6

Description of Opportunity No 3	Voluntary Information	
Replacement of two old compressors with new 2-stage compressor	Equipment Type	5.4
	Business Response	Implemented
	Energy saved (GJ)	11,520
	Greenhouse gas abated (CO2-e)	2,848
	\$s saved	\$405,000
	Payback period	0.9

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.

