

PUBLIC REPORT TEMPLATE 2010

Please consult the explanatory document when completing this template

Controlling Corporation

Murray Goulburn Co-operative Co. Limited

Period to which this report relates

Start 1 July 2006

End 30 June 2010

(eg. for a Corporate Group with the trigger-year 2005-06, the report will cover the period 1.7.2006-30.6.2010)

Part 1 – Information on assessments completed to date

Table 1.1 – Description of the way in which the Corporate Group (or part of it) has carried out its assessments

Continued the process started in 2007-2008. The company-wide system for assessing resource improvement opportunities (RIO) for energy, waste and water was further refined and implemented across each operation with potential and realised opportunities identified and held in a database for managed action. Each of the manufacturing sites has a resource improvement responsibility, managed within the Waste, Yield and Environment Group. Resource billing data has been made accessible via SAP from the internal accounting management systems. One additional operation has completed its assessment and two others have been commenced. External consultants have been engaged to assist in the detailed analysis of opportunities and creation of mass and energy balances.

Part 1 – Information on assessments completed to date (continued)

Table 1.2 – Energy use assessed

Group member and/or business unit and/or key activity and/or site (or part thereof) that has had an assessment completed by 30 June 2010 (include all assessments completed to date for the current 5 year cycle).	Period over which assessment was undertaken	Energy use for the period 1.7.2009 to 30 June 2010 of the assessed entity (or part thereof) expressed in GJ ²
Koroit	July 07 to December 08	1,083,232
Leongatha	November 08 to December 09	898,702
Maffra	April 09 to December 09	641,073
Cobram (incl MGN)	April 10 to June 10	998,779
Total energy use of assessed entities (or part thereof)		3,621,786
Total energy use of the whole corporate group in the period 1.7.2009 to 30 June 2010		5,111,806
Total energy use of assessed entities (or part thereof) for the period 1.7.2009 to 30.6.2010 expressed as a percentage of total energy use for the period 1.7.2009 to 30.6.2010		71%

1. This should be the start and finish date (month and year) for the assessment (planned assessment dates were nominated in Table 3.1 of the approved ARS).
2. Energy Bandwidth may only be used if approved in the Assessment and Reporting Schedule.

Table 1.3 – Accuracy of energy use assessed data

Entity	% achieved	Reasons for not achieving data accuracy to within ±5%

Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2A - New assessments completed or not reported since your last Public Report

Name of Group member or business unit or key activity or site: Cobram & MGN

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

998,779	GJ
---------	----

Table 2.1 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%

Status of opportunities identified	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	Under Investigation	nil	nil	nil	nil	nil	nil	nil
	To be Implemented	nil	nil	nil	nil	nil	nil	nil
	Implementation Commenced	nil	nil	nil	nil	nil	nil	nil
	Implemented	5	2,887	nil	nil	2	254	3,141
	Not to be Implemented	nil	nil	nil	nil	nil	nil	nil
Outcomes of assessment	Total Identified	5	2,887	nil	nil	2	254	3,141

Part 2A - New assessments completed during the reporting period (continued)

Name of Group member or business unit or key activity or site: Cobram & MGN

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

998,779	GJ
---------	----

Table 2.2 – Opportunities assessed to an accuracy of worse than (>) ±30%

Status of opportunities identified	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	17							under investigation
Under Investigation	17							under investigation
To be Implemented	2							under investigation
Implementation Commenced	1							under investigation
Implemented	6							under investigation
Not to be Implemented	5							under investigation
Outcomes of assessment	Total Identified	31						under investigation

Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2B - Update of assessments reported in previous Public Reports

Name of Group member or business unit or key activity or site: Koroit

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

1,083,232	GJ
-----------	----

Table 2.3 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%

Status of opportunities identified	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	Under Investigation	1 (nil)	23 (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	23 (nil)
	To be Implemented	1 (1)	24,951 (24,951)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	24,951 (24,951)
	Implementation Commenced	2 (6)	8,472 (3,435)	nil nil	nil (10,704)	1 (nil)	2,066 (nil)	10,538 (14,139)
	Implemented	11 (2)	26,645 (1,405)	nil (nil)	nil (nil)	2 (1)	337 (128)	26,982 (1,533)
	Not to be Implemented	8 (7)	15,780 (21,933)	2 2	25,375 (237)	2 2	59 (59)	41,214 (22,229)
Outcomes of assessment	Total Identified	21 (16)	75,871 (51,724)	2 2	25,375 (10,941)	5 (187)	2,462 (187)	103,708 (62,852)

Part 2B - Update of assessments originally reported in previous Public Reports (continued)

Name of Group member or business unit or key activity or site: Koroit

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

1,083,232	GJ
-----------	----

Table 2.4 – Opportunities assessed to an accuracy of worse than (>) ±30%

Status of opportunities identified	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	31 (57)	29	1,756	2	3,859	nil	nil	5,615	
Under Investigation	*								
To be Implemented	*								
Implementation Commenced	*								
Implemented	*								
Not to be Implemented	23	23	4,050	nil	nil	nil	nil	4,050	
Outcomes of assessment	Total Identified	54	52	5,806	2	3,859	nil	nil	9,665

*all opportunities which have passed investigation have been assessed to an accuracy of better than 30%.

**Some of the potential opportunities identified in earlier rounds have been determined as non viable for a number of reasons
Such as: Exceeding payback time, process no longer used.

It was decided at the outset of this process that all potential opportunities would be collected and assessed, with hindsight, this had some good and bad outcomes, a good outcome was that everyone had an opportunity to contribute; the down side was lengthy assessments for low outcomes.

Part 2B - Update of assessments reported in previous Public Reports

Name of Group member or business unit or key activity or site: Leongatha

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

898,702	GJ
---------	----

Table 2.3 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%

Status of opportunities identified	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	Under Investigation	1 (nil)	nil (nil)	1 (nil)	352 (nil)	nil (nil)	nil (nil)	352 (nil)	
	To be Implemented	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	
	Implementation Commenced	nil (1)	nil (nil)	nil (1)	nil (32,000)	nil (nil)	nil (nil)	nil (32,000)	
	Implemented	5 (1)	nil (nil)	nil (nil)	nil (nil)	5 (1)	22,750 (1,614)	22,750 (1,614)	
	Not to be Implemented	1 (nil)	5,040 (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	5,040 (nil)	
Outcomes of assessment	Total Identified	7 (2)	1 (nil)	5,040 (nil)	1 (1)	352 (32,000)	5 (1)	22,750 (1,614)	28,142 (33,614)

Part 2B - Update of assessments originally reported in previous Public Reports (continued)

Name of Group member or business unit or key activity or site: Leongatha

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

898,702	GJ
---------	----

Table 2.4 – Opportunities assessed to an accuracy of worse than (>) ±30%

Business Response	Status of opportunities identified	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	Under Investigation	15 (26)							under investigation
	To be Implemented	nil (nil)							under investigation
	Implementation Commenced	nil (4)							under investigation
	Implemented	nil (nil)							under investigation
	Not to be Implemented	1 (nil)							under investigation
Outcomes of assessment	Total Identified	16 (30)							under investigation

**Some of the potential opportunities identified in earlier rounds have been determined as non viable for a number of reasons

Such as: Exceeding payback time, process no longer used.

It was decided at the outset of this process that all potential opportunities would be collected and assessed, with hindsight, this had some good and bad outcomes, a good outcome was that everyone had an opportunity to contribute; the down side was lengthy assessments for low outcomes.

Part 2B - Update of assessments reported in previous Public Reports

Name of Group member or business unit or key activity or site: Maifra

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

641,073	GJ
---------	----

Table 2.3 – Opportunities assessed to an accuracy of better than or equal to (<=) ±30%

Status of opportunities identified 62	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	Under Investigation	1 (nil)	2,600 (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	2,600 (nil)
	To be Implemented	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)
	Implementation Commenced	1 (1)	2040 (nil)	nil (1)	nil (25,858)	nil (nil)	nil (nil)	2,040 (25,858)
	Implemented	3 (nil)	172 (nil)	1 (nil)	25,858 (nil)	nil (nil)	nil (nil)	26,030 (nil)
	Not to be Implemented	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)	nil (nil)
Outcomes of assessment	Total Identified	5 (1)	4,812 (nil)	1 (1)	25,858 (25,858)	nil (nil)	nil (nil)	30,670 (25,858)

Part 2B - Update of assessments originally reported in previous Public Reports (continued)

Name of Group member or business unit or key activity or site: Maffra

Total energy use for the period 1.7.2009 to 30.6.2010 of the assessed entity (or part thereof) from which the opportunities identified below were generated (and is reported in Table 1.2).

641,073	GJ
---------	----

Table 2.4 – Opportunities assessed to an accuracy of worse than (>) ±30%

Status of opportunities identified	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	Under Investigation	53	(53)	47		3		3		under investigation
	To be Implemented		nil		(nil)					under investigation
	Implementation Commenced		1		(nil)					under investigation
	Implemented		nil							under investigation
	Not to be Implemented		3		(2)					under investigation
Outcomes of assessment	Total Identified	57	(57)							under investigation

**Some of the potential opportunities identified in earlier rounds have been determined as non viable for a number of reasons Such as: Exceeding payback time, process no longer used. It was decided at the outset of this process that all potential opportunities would be collected and assessed, with hindsight, this had some good and bad outcomes, a good outcome was that everyone had an opportunity to contribute; the down side was lengthy assessments for low outcomes. The projects implemented in this category, were implemented for reasons apart from energy, they may have been identified as potential opportunities through the process, later determined not to have an energy outcome, but implemented for operational reasons.

Part 2 - Energy Efficiency Opportunities that have been identified and evaluated

Part 2C - Details of at least three significant opportunities found through EEO assessments

Table 2.5 – Description of 3 significant opportunities

Opportunity 1	Eight air compressors that provided compressed air at both Cobram and neighbouring MG Nutritionals were replaced with a single high-speed turbine. Savings: 6,790 GJ, \$340,000 per annum. Similar replacements have been made at Koroit and Leongatha
Opportunity 2	Upgrade of refrigeration compressors and compressor control at Cobram, including installation of variable frequency transformers to increase capacity, provided better temperature control of cool rooms. Savings: 423 GJ/pa.
Opportunity 3	Repaired leaks in compressed air systems at Cobram. Savings: 1,141 GJ, \$23,529 per annum.
Opportunity 4	Upgraded boiler control systems to dual digital combustion control, including VLTs on forced draft fans. Savings: 25,857 GJ, \$92,000 per annum. Additional benefits include increased boiler reliability and improved turn-down.
Opportunity 5	Recovery of waste condenser heat into dryer inlet air to reduce steam load. Savings: 25,139 GJ, \$320,000 per annum

Part 4 - Declaration

Table 4.1 - Declaration of accuracy and compliance (mandatory information)

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*.



Insert Name and Title (Chair of the Board, CEO, or Managing Director) of Signatory here

Date 10 - 05 - 11