

PMP LIMITED PUBLIC EEO REPORT 2011

Part 1 - Corporation Details

Controlling Corporation

PMP Limited

Period to which this report relates

From

1 July 2006

To

30 June 2011

Table 1.1 - Major Changes to Corporate Group Structure or Operations

Table 1.1 – Major Changes to Corporate Group Structure or Operations

NIL

Table 1.2 – Aggregate energy assessed covered in this report

Total energy use covered by all assessments in this report	712,318	GJ
Total energy assessed as percentage of total energy use of the corporate group	98	%

Note: total energy use has increased significantly from the previous report due to the inclusion of the combustion of ink solvents.

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 Allely
Chief Executive Officer

Date: 21/12/2011

Part 2 - Assessment Outcomes

Table 2.1.1 – Assessment Details – Moorebank

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Moorebank

Total energy use in the last financial year

260,756

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

36

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

01/01/2010

31/03/2010

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group.

Since the last report, energy consumption through combustion of ink solvents has been included to align with NGER reporting. An additional 2 opportunities have been identified, with implementation complete on a further 4 opportunities saving 1,609 GJ/year.

* 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 2.1.2 - Energy efficiency opportunities identified in the assessment - Moorebank

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.1.2 – Energy efficiency opportunities identified in the assessment									
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	8	2	1,452	2	1,431	4	21,605	24,488
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	1	1	5,512					5,512
	Not to be Implemented	4			1	8,971	3	11,016	19,987
Outcomes of assessment	Total Identified	13	3	6,964	3	10,402	7	32,621	49,987
Status of opportunities identified to an accuracy of worse than ±30%									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL							

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

Table 2.2.1 – Assessment Details – Clayton

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Clayton

Total energy use in the last financial year

250,255

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

34

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

01/03/2010

30/06/2010

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group. Energy and other resource efficiency opportunities are also identified and reported through the Victorian EREP program.

Since the last report, energy consumption through combustion of ink solvents has been included to align with NGER reporting.

* 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 2.2.2 - Energy efficiency opportunities identified in the assessment - Clayton

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.2.2 – Energy efficiency opportunities identified in the assessment									
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 – \leq 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	8	1	749	4	2,829	3	20,608	24,185
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	1					1	3,139	3,139
	Not to be Implemented	7					7	19,256	19,256
Outcomes of assessment	Total Identified	16	1	749	4	2,829	11	43,003	46,581
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL							

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

Table 2.3.1 – Assessment Details – Salisbury

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Salisbury

Total energy use in the last financial year

13,963

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

2

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

1/10/2009

31/01/2010

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group.

Implementation is now complete on all identified opportunities, with a total saving of 32,436 GJ. This saving includes the closure of the heatset presses at Salisbury in 2009.

* 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 2.3.2 - Energy efficiency opportunities identified in the assessment - Salisbury

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.3.2 – Energy efficiency opportunities identified in the assessment									
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 – \leq 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	6	1	601	3	31,403	2	432	32,436
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	6	1	601	2	31,403	2	432	32,436
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL							

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

Table 2.4.1 – Assessment Details – Wacol

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Wacol

Total energy use in the last financial year

92,652

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

13

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

01/04/2010

30/06/2010

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group.

Since the last report, energy consumption through combustion of ink solvents has been included to align with NGER reporting.

* 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 2.4.2 - Energy efficiency opportunities identified in the assessment - Wacol

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.4.2 – Energy efficiency opportunities identified in the assessment									
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 – \leq 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	NIL							
	Implementation Commenced	1			1	1,679			1,679
	To be Implemented	1			1	846			846
	Under Investigation	3			2	3,631	1	1,048	4,678
	Not to be Implemented	6					6	6,482	6,482
Outcomes of assessment	Total Identified	11			4	6,156	7	7,530	13,686
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL					1	30,000	30,000
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL					1	30,000	30,000

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

Table 2.5.1 – Assessment Details – Chullora

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Chullora

Total energy use in the last financial year

35,421

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

5

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

01/07/2008

30/09/2008

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group.

* 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 2.5.2 - Energy efficiency opportunities identified in the assessment - Chullora

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.5.2 – Energy efficiency opportunities identified in the assessment									
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 – \leq 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	3	2	234	1	927			1,161
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	3	1	792			2	198	990
Outcomes of assessment	Total Identified	6	3	1026	1	927	2	198	2,151
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL							

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

Table 2.6.1 – Assessment Details – Bibra Lake

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Name of group member or business unit or key activity

Bibra Lake

Total energy use in the last financial year

59,271

GJ

Energy use assessed in this entity as a percentage of total entity energy use*

100

%

Energy use assessed in this entity as a percentage of total corporate energy use

8

%

Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

%

Period over which assessment was undertaken

01/12/2007

31/03/2008

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

A third party audit of the site was carried out to identify key energy savings opportunities. Additional opportunities were identified on an ongoing basis through feedback from employees and consultation with other sites in the group.

Since the last report, energy consumption through combustion of ink solvents has been included to align with NGER reporting.

Due to a major equipment upgrade planned for FY12, a number of long-term payback opportunities will be implemented saving an additional 26,238 GJ/year.

* 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 2.6.2 - Energy efficiency opportunities identified in the assessment – Bibra Lake

It is compulsory to complete a separate table for each group member, business unit, or key activity that has been assessed

Table 2.6.2 – Energy efficiency opportunities identified in the assessment									
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 – \leq 4 years		> 4 years		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	2			2	7,691			7,691
	Implementation Commenced	NIL							
	To be Implemented	6			1	773	5	25,466	26,238
	Under Investigation	NIL							
	Not to be Implemented	3					3	2,831	2,831
Outcomes of assessment	Total Identified	11			3	8,463	8	28,296	36,760
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	NIL							
	Implementation Commenced	NIL							
	To be Implemented	NIL							
	Under Investigation	NIL							
	Not to be Implemented	NIL							
Outcomes of assessment	Total Identified	NIL							

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

Table 2.7 - 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	Voluntary Information	
Replacement of Katec afterburners with Regenerative Thermal Oxidisers (RTOs). The RTO uses the heat of combustion of the ink solvents to sustain the oxidation, greatly reducing the requirement for natural gas.	Business Response	Implemented (2 projects)
	Energy saved (GJ)	40,830
	Greenhouse gas abated (t CO ₂ -e)	2,638
	\$s saved	\$560,000
	Payback period	>4 years

Description of Opportunity	Voluntary Information	
Waste extraction upgrade. A new extraction system will use VSD drives to control the fan speed based on press requirements, reducing electricity consumption in this area. This project also eliminates environmental issues associated with the aging baler and delivers operational savings.	Business Response	Implementation commenced
	Energy saved (GJ)	1,679
	Greenhouse gas abated (t CO ₂ -e)	415
	\$s saved	\$164,000
	Payback period	2 - 4 years

Description of Opportunity	Voluntary Information	
Installation of quick bake pre-press ovens. These ovens reduce plate baking time and deliver savings in energy, water and chemicals.	Business Response	Implemented (2 projects)
	Energy saved (GJ)	2,114
	Greenhouse gas abated (t CO ₂ -e)	660
	\$s saved	\$96,000
	Payback period	2 - 4 years