



PUBLIC REPORT TEMPLATE 2011

Please note that this template has been updated based on feedback from a number of Corporations during the recent review of regulations. It is not compulsory for you to use this Public Report template. You may wish to continue to use the previous template, or you may report in another format of your choice. Either is acceptable provided you report all the information required by the EEO Act and Regulations.

There is an explanatory document at pages 5-14 of this template that fully explains how to complete it. There is also some targeted guidance on the template itself.

Part 1 - Corporation Details

Controlling Corporation

Period to which this report relates

Insert the name of the Controlling Corporation exactly as it is registered with the EEO Program. The period to which the report relates is the total period of participation up to 30 June prior to when the report is due.

Honan Holdings Pty Ltd (Manildra Group)

From

1 July 2006

To

30 June 2011

Table 1.1 - Major Changes to Corporate Group Structure or Operations

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The Manildra Group controls several active companies involved in various wheat and grain processing activities at sites throughout Australia. The single largest site in terms of energy consumption is at Bolong Rd, Bomaderry, NSW, where starch products, glucose products, ethanol and DDG (distillers dried grains) are produced. The Bomaderry site accounts for over 94% of energy consumed by the Group.

An energy assessment of the site was undertaken in 2008. Due to major changes in energy consumption at the Bomaderry arising from a plant expansion project, the Manildra Group initiated a further energy assessment in October 2009. This assessment was completed in March 2010.

Many of the energy savings opportunities identified in earlier assessments have been implemented. Others remain the subject of further detailed evaluation. Some new opportunities have been identified.

The Bolong Rd, Bomaderry site is currently undergoing an expansion program to increase the production level of ethanol. The expansion includes the commissioning of reverse osmosis and anaerobic digester water treatment systems from which biogas is captured and used in the boilers to supplement existing natural gas supplies and recycled water is returned for use in the production processes.

The first stage of production expansion occurred in July 2011 and accordingly is not reflected in the production data presented in this Report.

Table 1.2 – Aggregate energy assessed covered in this report

Total energy use covered by all assessments in this report

4,772,483

GJ



Total energy assessed as percentage of total energy use of the corporate group**	90.9	%
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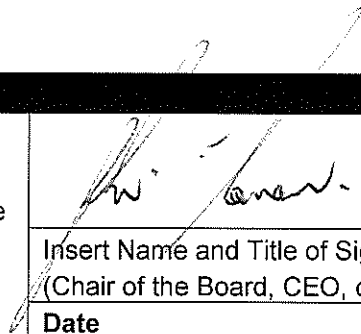
* If this report covers only part of the corporate group, then the percentage should be computed on the total energy use for that part of the group covered in this report

Please note that corporations are required to assess 80% or more of their energy use in the first five-year assessment cycle and 90% or more in subsequent five-year assessment cycles. Accordingly, for those corporations with a 2005-06 trigger year (i.e. those corporations at the end of their first-five year assessment cycle), the value in "Percentage of corporation's energy use assessed" above, must be more than 80%.

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*.

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

Date 15 DEC 2011

Part 2 - Assessment Outcomes

Table 2.1 – Assessment Details

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

Bolong Rd, Bomaderry NSW

Total energy use in the last financial year

4,921,514 GJ

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

97.0 %

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

90.9 %

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

%

Period over which assessment was undertaken

October 2009

March 2010

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

An energy assessment of the site was undertaken in 2008. Due to major changes in energy consumption at the Bomaderry arising from a plant expansion project, the Manildra Group initiated a further energy assessment in October 2009. This assessment was completed in March 2010.

The assessment included full analysis of energy and product flows, resulting in detailed energy-mass balances for each production process.

A detailed list of energy savings opportunities was developed and now forms the basis of ongoing review of progress.

The Manildra Group addresses questions of energy efficiency on a continuous basis. Assessment of energy saving opportunities is a normal part of operational reviews. In 2011, a major re-structuring of some processes has commenced with the key aim of improving production per unit of energy input.

* 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 group member, business unit, or key activity that has been assessed

Table 2.2 – 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	23	16	378,475	6	301,626	1	14,500	694,601
	Implementation Commenced	1	1	6,900	0	0	0	0	6,900
	To be Implemented	2	1	11,850	1	3,800	0	0	15,650
	Under Investigation	3	0	0	2	26,212	1	1,300	27,512
	Not to be Implemented	4	1	8,700	1	633	2	3,137	12,470
Outcomes of assessment	Total Identified	33	19	405,925	10	332,272	4	18,937	757,133
Status of opportunities identified to an accuracy of worse than ±30%									
Business Response	Implemented								
	Implementation Commenced	1	1 (Note1)	57,000					57,000
	To be Implemented								
	Under Investigation	2					2 (Note 2)	500,000	500,000
	Not to be Implemented								
Outcomes of assessment	Total Identified	3	1	57,000			2	500,000	557,000

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

Notes:

1. This opportunity involves the capture and re-use of flash steam. It has been installed on two new items of plant at small additional cost and saved an estimated 57,000GJpa. Other flash steam opportunities exist on old plant (indicating a total saving of over 100,000GJpa) but appear to provide marginal return when the full cost of retrofitting is evaluated. Additional flash steam recovery installations will depend on the outcomes of new evaluations. Initial assessments of flash steam opportunities were undertaken in 2005. Recent reassessment is indicating that previous evaluations of implementation costs were inadequate, thus this opportunity has been reclassified as 'accuracy worse than $\pm 30\%$ ' until further analysis is completed.



2. Manildra has initiated investigations into two major energy saving opportunities. The first is a large scale reconfiguration of the several components of the ethanol plant; the second is the installation of a bioenergy plant using DDG syrups as feed stock. The cost of each project is high, but will attract significant savings. The reconfiguration of the ethanol will achieve a significant reduction in the demand for steam. The biogas plant will replace natural gas purchases. Detailed analysis of both opportunities has commenced. Two energy opportunities have been transferred to the "Not to be implemented" list as the proposed reconfiguration has made them redundant.

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	Voluntary Information	
	Business Response	Completed
	Energy saved (GJ)	93,000 GJpa
	Greenhouse gas abated (CO2-e)	9,700 tpa
	\$s saved	
	Payback period	

Description of Opportunity	Voluntary Information	
	Business Response	Completed
	Energy saved (GJ)	66,000 GJpa
	Greenhouse gas abated (CO2-e)	6,000 tpa
	\$s saved	
	Payback period	

Description of Opportunity	Voluntary Information	
	Business Response	Completed
	Energy saved (GJ)	97,000 GJpa
	Greenhouse gas abated (CO2-e)	6,300 tpa
	\$s saved	
	Payback period	

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.