



## 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.

ACN 137 191 023 PTY LTD

From

1 July 2006

To

30 June 2011

#### Table 1.1 - Major Changes to Corporate Group Structure or Operations

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#### Table 1.2 – Aggregate energy assessed covered in this report

Total energy use covered by all assessments in this report	1, 534, 529	GJ
Total energy assessed as percentage of total energy use of the corporate group**	86	%

\* If this report covers only part of the corporate group, than 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 is to the best of my knowledge, correct and in accordance with the *Energy Efficiency Opportunities Act 2006* and *Energy Efficiency Opportunities Regulations 2006*.

Shilo Wyatt  
Environmental Manager ANZ

Date 23/12/11

#### Declaration of accuracy and compliance

The information included in this report has been reviewed 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*.

Damian Fitzgerald  
Company Secretary

Date 23/12/11



## Part 2 - Assessment Outcomes

**Table 2.1a – 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**

Malt Division – Forrestfield

**Total energy use in the last financial year**

510, 257

GJ

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

99.96

%

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

28.6

%

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

%

**Period over which assessment was undertaken**

April 2009

July 2009

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

The Viterra Group of Companies has engaged the services of consultants Balance Energy (BE) to complete comprehensive energy mass balance audits on all processes of the Malting Division. (The Malt Division accounts for over 88% of all energy use within the Viterra Group of Companies in Australia).

The Malt Division – Forrestfield facility was audited and energy surveys were conducted across the site during the assessment period which resulted in a very complex and in depth understanding of how energy was consumed within the plant. Balance Energy compiled the audit findings and possible execution strategies that could be employed to help Viterra make savings within the Malt Division – Forrestfield Facility.

Viterra's internal engineering department assessed which opportunities were practical to implement, which opportunities may require more investigation and which opportunities were deemed impractical to implement. In consultation with management the identified opportunities were prioritised and an implementation strategy was structured.

\* 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 2.2a - 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 2.2a – 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		Unknown		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	6	6	90,860							90,860
	Implementation Commenced										
	To be Implemented										
	Under Investigation										
	Not to be Implemented	1	1	504							504
Outcomes of assessment	Total Identified	7	7	91,364							91,364 <sup>a</sup>
Status of opportunities identified to an accuracy of worse than ±30%											
Business Response	Implemented										
	Implementation Commenced										
	To be Implemented										
	Under Investigation	2 <sup>b</sup>						2	+	+	
	Not to be Implemented										
Outcomes of assessment	Total Identified	2						2	+	+ <sup>c</sup>	

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

- a) This is a cumulative total of all opportunities that have been identified, some of these items are mutual exclusive and therefore final energy savings are likely to lower than this figure.
- b) Two originally identified opportunities have been combined into a single opportunity as they are the same opportunity on different scales
- c) These opportunities require significant investigation to determine whether they are feasible.



## Part 2 - Assessment Outcomes

**Table 2.1b – 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**

Malt Division – Other

**Total energy use in the last financial year**

1, 024, 027

GJ

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

99.99

%

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

57.4

%

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

%

**Period over which assessment was undertaken**

February 2009

June 2010

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

The Viterra Group of Companies has engaged the services of consultants Balance Energy (BE) to complete comprehensive energy mass balance audits on all processes of the Malting Division. (The Malt Division accounts for over 88% of all energy use within the Viterra Group of Companies in Australia).

The Malt Division – Other facilities were audited and energy surveys were conducted across the sites during the assessment period which resulted in a very complex and in depth understanding of how energy was consumed within these plants. Balance Energy compiled the audits findings and possible execution strategies that could be employed to help Viterra make savings within the Malt Division – Other Facilities.

Viterra's internal engineering department assessed which opportunities were practical to implement, which opportunities may require more investigation and which opportunities were deemed impractical to implement. In consultation with management the identified opportunities were prioritised and an implementation strategy was structured.

\* 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 2.2b - 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 2.2b – 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		Unknown		
			No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	No of Opps	GJ	
Business Response	Implemented	27	21	99,919	2	11,336	4	17,036			128,318
	Implementation Commenced										
	To be Implemented										
	Under Investigation	14	5	23,233	4	68,750	5	59,168			150,151
	Not to be Implemented	5	2	2,412	1	89,400	2	44,500			136,312
Outcomes of assessment	Total Identified	46	28	125,564	7	169,486	11	120,704			414,781 <sup>d</sup>
Status of opportunities identified to an accuracy of worse than $\pm 30\%$											
Business Response	Implemented										
	Implementation Commenced										
	To be Implemented										
	Under Investigation	1							1	+	+
	Not to be Implemented	1							1	+	+
Outcomes of assessment	Total Identified	2							2	+	+ <sup>e</sup>

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

- d) This is a cumulative total of all opportunities that have been identified, some of these items are mutual exclusive and therefore final energy savings are likely to lower than this figure.  
e) These opportunities require significant investigation to determine whether they are feasible.



**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	
<b>Forrestfield</b> This malting plant uses two kilns during the production of various malt products. Prior to the Energy Efficiency Opportunities (EEO) project beginning it was identified that the nominal capacity of kiln #2 is approximately 20% larger than Kiln#1. During the EEO project it was identified that the specific fuel consumption used by kiln #2 is 11% greater than kiln#1 and that the airflow through was 42% higher. By reducing the airflow into kiln #2 this in turn reduces the heating load required to heat the additional air flow.	Business Response	Implemented
	Energy saved (GJ)	42, 430
	Greenhouse gas abated (CO2-e)	2055.1 <sup>f</sup>
	\$s saved	428, 465
	Payback period	0 Years

Description of Opportunity	Voluntary Information	
<b>Forrestfield</b> The EEO project also identified that the current configuration for the air recirculation damper is operating at 50% capacity. This is significantly lower than the optimal setting of 80%. By operating the recirculation dampers at the design maximum of 80% the plant will decrease gas consumption.	Business Response	Implemented
	Energy saved (GJ)	22, 000
	Greenhouse gas abated (CO2-e)	1129.3 <sup>f</sup>
	\$s saved	196, 396
	Payback period	0 Years

Description of Opportunity	Voluntary Information	
<b>Malt Division</b> The EEO project identified this opportunity as one that applies to all plants across the division. Previously malt has been kilned so that the moisture content is significantly below the customer mandated specifications. By ensuring that the moisture levels of the shipped malt is at or just below specification allows for shorter kilning times. Energy savings from this opportunity will depend on many factors and it is unclear what energy saving will be made however it is likely that these savings will be significant.	Business Response	Implemented
	Energy saved (GJ)	?
	Greenhouse gas abated (CO2-e)	?
	\$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.

f) The GHG abatement calculations have been performed using the National Greenhouse Accounts (NGA) Factors – July 2011.