



## PUBLIC REPORT

### Part 1 - Corporation details

#### Period to which the report relates

Start Period

01 JULY 2012

End Period

30 JUNE 2013

#### Controlling corporation

Insert the name of the controlling corporation exactly as it is registered with the EEO Program.

Borg Manufacturing Pty Ltd

#### 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

No Major changes during this period.

#### 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. All opportunities have been assessed to a level of accuracy that is commensurate with the financial investment required for implementation.

W.J. SWELSON  
CEO BORG MANUFACTURING

Insert name and title of signatory here  
(chair of the board, CEO, or managing director)

Date 10.12.13.

## Part 2 - Assessment outcomes

It is compulsory to complete Tables 2.1 to 2.3 for each entity (subsidiary, business unit, key activity or site) that has been assessed.

**Table 2.1 – Assessment details**

<b>Name of entity</b>	<b>Borg Panels Pty Ltd</b>
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<b>A. Total corporate energy use in the last financial year</b>	1,536,172	GJ
<b>B. Total energy use covered by assessments</b>	561,637	GJ
<b>C. Total percentage of energy use assessed (B ÷ A) x 100</b>	36.6	%
<b>Name of entity</b>	<b>Somersby Board Plant</b>	

<b>D. Total corporate energy use in the last financial year</b>	1,536,172	GJ
<b>E. Total energy use covered by assessments</b>	61,847	GJ
<b>F. Total percentage of energy use assessed (B ÷ A) x 100</b>	4.03	%

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

As this Borg's first EEO reporting period we have had to internally restructure to accommodate the assessments criteria, First step was to create an Energy and Carbon Management policy incorporating guidelines to reduce energy. Borg has also organised an Energy Steering Committee to achieve the 6 key elements.

Considering Borg Panels Oberon site is our largest energy user the energy steering committee (ESC) have decided to complete the audit within the first quarter of 2014 we have only assessed 36% YTD. Whereas, Somersby Board Plant the second largest site we have only assessed 4.03% to meet our minimum requirement of 40% across the group.

The methodology used for energy assessments will be based on Energy Savings and ESAP complying with AS/NZS 3598:2000. The process steps will include:

- Identify an Energy source and production baseline
- Site technical review and calculate energy mass balance
- Energy by process and sub-activity
- Energy use and savings opportunities

Prior to the official audit our Energy team have identified a number of Energy Saving projects for the Borg Panels site. These include following with current status:

### **Borg Panels Pty Ltd**

<u>Project</u>	<u>Status</u>
• Energy Saving Lamps Stage 1	Implemented
• Energy Saving Lamps Stage 2	To be Implemented
• Gas Fired Cogeneration Plant	Implementation Commenced
• Sunset Switches	Implemented

### **Somersby Board Plant**

<u>Project</u>	<u>Status</u>
• Energy Saving Lamps Stage 1	Implemented
• Gas Fired Cogeneration Plant	Under Investigation
• Electric Forklifts	Implementation Commenced

**Table 2.2 - Energy efficiency opportunities identified in the assessment**

Status of opportunities identified		Total Number of opportunities	Total estimated energy savings per annum (GJ)
Business response	Implemented	3	12,989
	Implementation commenced	2	17925
	To be implemented	0	0
	Under investigation	1	0
	Not to be implemented	0	0
Outcomes of assessment	Total identified	6	30914

Please note that corporate groups **are not required** to report opportunities with a payback greater than four years. Reporting this data is voluntary.

**Table 2.3 - Details of significant opportunities identified in the assessment**

**BORG PANELS PTY LTD**

It is compulsory to report at least 1 example of a significant opportunity for improving the energy efficiency for the controlling corporation that has been identified in assessments. If a corporation has structured assessments to relate to business units or key activities they should report one significant opportunity for each of those entities to which the assessment applies.

Description of opportunity No. 1	Type of information to be covered
<p><b><u>Energy Saving Lamps. – Stage 1</u></b> Replace 185 existing Metal Halide lamps UX400E. Magnetic / 400W with Electronic 204W with 50,000 hour lifetime.</p>	Equipment type: <b>Lighting</b>
	Business response Implemented
	Energy saved (GJ) 11,527
	Greenhouse gas abated (CO2-e) 413
	\$ saved \$ 220,000
	Payback period: < 1 Year
Description of opportunity No 3 - voluntary	Type of information to be covered
<p><b><u>Gas Fired Cogeneration Plant</u></b></p>	Equipment type: <b>Cogeneration Plant</b>
	Business response Implementation Commenced
	Energy saved (GJ) 14,349
	Greenhouse gas abated (CO2-e) 514
	\$ saved \$592,000
	Payback period < 1.5 years

Description of opportunity No 3 - voluntary	Type of information to be covered
<b>Sunset Switches</b>	Equipment type: <b>Sunset Switches</b>
	Business response Implemented
	Energy saved (GJ) 888
	Greenhouse gas abated (CO2-e) 32
	\$ saved \$14,346
	Payback period < 1 year

## **SOMERSBY BOARD PLANT**

Description of opportunity No. 1	Type of information to be covered
<b>Energy Saving Lamps. – Stage 1</b> Replace 93 existing Metal Halide lamps UX400E. Magnetic / 400W with Electronic 204W with 50,000 hour lifetime.	Equipment type: <b>Lighting</b>
	Business response Implemented
	Energy saved (GJ) 574
	Greenhouse gas abated (CO2-e) 21
	\$ saved \$9889
	Payback period: < 1 Year

Description of opportunity No. 2 - voluntary	Type of information to be covered
<b>Electric Forklifts</b> Replacing 12 existing 5 tonne Diesel forklifts with electric units. Two of the twelve at Somersby have been converted. Balance 10 over following 2-3 years.	Equipment type: <b>Forklifts</b>
	Business response Implementation Commenced
	Energy saved (GJ) 3576
	Greenhouse gas abated (CO2-e) 6.8 / yr
	\$ saved : 15,705 / unit or \$188,464
	Payback period > 3 Year



Description of opportunity No 3 - voluntary	Type of information to be covered
<b><u>Gas Fired Cogeneration Plant</u></b>	Equipment type: <b>Cogeneration Plant</b>
	Business response Under Investigation
	Energy saved (GJ) TBC
	Greenhouse gas abated (CO2-e) TBC
	\$ saved \$TBC
	Payback period TBC

Please note that the *Description of 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.

## Part 3 - Transition to second cycle

**This part should only be completed by 2006–07 trigger year corporations transitioning to the second cycle.**

**Table 3a – Details of business response to opportunities under investigation as at 30 June 2012**

In December 2012, many corporations reported energy efficiency opportunities that were still under investigation as at 30 June 2012. This report should advise what your business response to these opportunities has been—implemented or not to be implemented. If you intend to further investigate these opportunities, they should be reported in the future public reports as opportunities identified in the second cycle.

For each entity that had energy efficiency opportunities that were still under investigation as at 30 June 2012, please complete the following table.

Name of entity								
Status of opportunities identified to an accuracy of <u>better than</u> 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	
As reported in December 2012	Under investigation							
Business response as at 30 June 2013	Implemented							
	Not to be Implemented							
	To be evaluated/reported in the second cycle							