

## National Foods Limited Public Report

### Controlling Corporation

National Foods Limited

### Period to which this report relates

Start 01/07/2006

End 30/06/2010

### 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

As in previous years, the EEO assessments for National Foods Limited (NFL) for the reporting period 09/10 have been undertaken by a consultancy with experience in energy auditing and the EEO program. The National Foods (NF) team have worked closely with the consultant in order to ensure maximum value is derived from the program, and involvement from the participating sites is also optimised. Assessments at the Penrith, Wetherill Park, Lytton, Booval, Malanda and Bentley production sites were undertaken, and in the case of Penrith, Wetherill Park, Lytton and Booval, also completed in this reporting year. All are reported in Part 2A of this report.

NF has continued to progress the implementation of opportunities identified in the previous annual report at the Chelsea, Burnie, Vitasoy, Smithfield, Canberra and Morwell sites. The cross-pollination of opportunities across all NF sites has also continued via a number of internal channels. Additionally, progress on the EEO program is continuing to be reported quarterly to the NF Operational Risk Committee (ORC) which was set up for the purposes of EEO reporting to senior management.

At the completion of the previous reporting period, and as a result of NF's acquisition of Dairy Farmers, the ARS for both companies was revised and rolled into the one updated ARS for NF. This was subsequently approved by DRET early in 2010.

#### Table 1.2 – Energy use assessed

Group member and/or business unit and/or key activity and/or site that has had an assessment completed by the end of this reporting period.	Period over which assessment was undertaken <sup>1</sup>	Energy use per annum in GJ <sup>2</sup> in the current reporting year
Burnie	May 2008 – June 2008	84,610 GJ



Chelsea	June 2008 – July 2008	123,113 GJ
Smithfield	April 2008 – May 2008	130,652 GJ
Vitasoy	April 2008 – May 2008	80,384 GJ
Canberra	January 2008 – June 2008	17,334 GJ
Morwell	May 2009 – June 2009	143,415 GJ
Penrith	July 2009 – January 2010	56,985 GJ
Wetherill Park	July 2009 – January 2010	187,993 GJ
Lytton	August 2009 – February 2010	69,584 GJ
Booval	August 2009 – February 2010	54,667 GJ
Malanda	April 2010 – October 2010	55,230 GJ
Bentley	May 2010 – November 2010	156916 GJ
<b>Total energy assessed</b>		<b>1,160,883 GJ</b>
<b>Total energy use of the group in the current reporting year</b>		<b>1,901,155 GJ</b>
<b>Total energy assessed expressed as a percentage of total current energy use</b>		<b>61%</b>

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.



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

Table 1.3 – Accuracy of energy use data		
Entity	% achieved	Reasons for not achieving data accuracy to within $\pm 5\%$



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

### Part 2A - New Assessments completed during the reporting period

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

Energy use of the entity during the current reporting period

56,985

GJ

**Table 2.1.1- Opportunities assessed to an accuracy of  $\pm 30\%$  or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	27	4508.5	537.7	1218.5	6264.7
Business Response*	Under Investigation	16	972.4	98.0	1166.1	2236.5
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	5	3473.3	0	0	3473.3
	Not to be Implemented	6	62.8	439.7	52.4	554.9

Name of Group member or business unit or key activity or site: Wetherill Park

Energy use of the entity during the current reporting period

187,993	GJ
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**Table 2.1.2 – Opportunities assessed to an accuracy of ±30% or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	25	32181.0	1483.5	8561.1	42225.6
Business Response*	Under Investigation	0	0	0	0	0
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	2	6814.3	372.5	0	7186.8
	Not to be Implemented	23	25366.7	1111.0	8561.1	35038.8



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

Energy use of the entity during the current reporting period

69,584

GJ

**Table 2.1.3 – Opportunities assessed to an accuracy of ±30% or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	29	17679.7	419.9	243.1	18342.7
Business Response*	Under Investigation	8	3612.6	22.2	108.7	3743.5
	To be Implemented	1	226.7	0	0	226.7
	Implementation Commenced	0	0	0	0	0
	Implemented	10	11513.6	101.5	0	11615.1
	Not to be Implemented	10	2326.8	296.2	134.4	2757.4

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

Energy use of the entity during the current reporting period 

54,667	GJ
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**Table 2.1.4 – Opportunities assessed to an accuracy of ±30% or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	22	49683.0	900.8	1442.0	52025.8
Business Response*	Under Investigation	2	250.8	0	0	250.8
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	3	48827.3	80.1	0	48907.4
	Not to be Implemented	17	604.9	820.7	1442.0	2867.6

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

Energy use of the entity during the current reporting period

55,230	GJ
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**Table 2.1.5 – Opportunities assessed to an accuracy of ±30% or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	6	662	247	1781	2690
Business Response*	Under Investigation	5	0	247	1781	2028
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	1	662	0	0	662
	Not to be Implemented	0	0	0	0	0

Name of Group member or business unit or key activity or site: Bentley,

Energy use of the entity during the current reporting period

156,916

GJ

**Table 2.1 – Opportunities assessed to an accuracy of  $\pm 30\%$  or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	13	4010	8889	3238	16137
Business Response*	Under Investigation	13	4010	8889	3238	16137
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	0	0	0	0	0
	Not to be Implemented	0	0	0	0	0



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

Energy use of the entity during the current reporting period

55,230

GJ

**Table 2.2 - Opportunities assessed to an accuracy of worse than  $\pm 30\%$**

Status of opportunities identified		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	
Outcomes of assessment	Total identified	8	959	242	26	1228
Business Response	Under Investigation	4	0	228	26	254
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	4	959	14	0	974
	Not to be Implemented	0	0	0	0	0

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

Energy use of the entity during the current reporting period 

156,916	GJ
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**Table 2.2 - Opportunities assessed to an accuracy of worse than  $\pm 30\%$**

Status of opportunities identified		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	
Outcomes of assessment	Total Identified	1	3263	0	0	3263
Business Response	Under Investigation	1	3263	0	0	3263
	To be Implemented	0	0	0	0	0
	Implementation Commenced	0	0	0	0	0
	Implemented	0	0	0	0	0
	Not to be Implemented	0	0	0	0	0

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

### Part 2B - Update of assessments originally reported in previous reporting periods

Name of Group member or business unit or key activity or site: Burnie, Smithfield, Chelsea, Vitasoy, Canberra & Morwell

Energy use of the entity during the current reporting period

579507

GJ

**Table 2.3 - Opportunities assessed to an accuracy of  $\pm 30\%$  or better**

Status of opportunities identified		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	
Outcomes of assessment*	Total Identified	95	56411.1	11813.2	717.0	68941.3
Business Response*	Under Investigation	32	12969.4	76.1	0	13045.5
	To be Implemented	13	1549.1	624.1	0	2173.2
	Implementation Commenced	7	11338.1	9543	47.3	20928.4
	Implemented	32	21235.3	25.1	0	21260.4
	Not to be Implemented	11	9319.2	1544.9	669.7	11533.8

Note 1: Two additional opportunities were reported for Vitasoy in this reporting period, as a result of the splitting of two previous options, thus effectively creating two extra options in this reporting period.

Note 2: Two additional opportunities were reported for Burnie in this reporting period, as a result of the implementation of options previously determined to be outside the scope of EEO and hence not reported previously

Note 3: One additional opportunity was reported for Chelsea in this reporting period; this opportunity had previously determined to be outside the scope of EEO but is now 'to be implemented'



## 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**

National Foods Lytton site is located in Brisbane, QLD and was able to build on existing energy reduction opportunities at the site to identify further options for reducing energy usage as part of the EEO program. Many of the projects implemented were focused on behaviour change; for example, turning off lights and equipment at the end of the day. Other identified opportunities, such as the ongoing compressed air and steam trap audits have also been successful in saving energy for the site

**Opportunity 2**

Lytton was also able to implement a shutdown/lock-up procedural checklist for the site following the EEO audit which has been invaluable in supporting the energy saving initiatives. Other tools used to support energy savings have included the introduction of weekly newsletters at the site featuring articles on simple ways to minimise energy usage.

**Opportunity 3**

National Foods Malanda site is located in Far North Queensland and following the EEO audit the site immediately implemented a number of measures such as increasing the temperature of certain cool rooms (thereby reducing the cooling load and consequently saving energy) and turning off lights in unused areas. Additionally, the installation of new air compressors to produce compressed air more efficiently and the installation of highly efficient High-Bay LED lamps in the blow-moulding area significantly reduced energy usage.



## Part 3 - Voluntary Contextual Information

**Table 3.1 – Contextual Information**

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**Table 3.2 – Energy use expressed in Greenhouse Gas emissions and as an energy use indicator**

Period of energy use _____ to _____			
Name of group member/ business unit/ key activity/site	Energy use pa (GJ)	Energy use pa (GGE)	Energy use as an indicator
<b>Total</b>			

**Table 3.3 - Opportunities assessed to an accuracy of  $\pm 30\%$  or better (\$ value)**

Status of opportunities identified	Number of opportunities	Estimated energy savings per annum by payback period (\$)			Total estimated energy savings per annum (\$)
		0 – < 2 years	2 – ≤ 4 years	> 4 years	
Outcomes of assessment*	Total Identified				
Business Response*	Under Investigation				
	To be Implemented				
	Implementation Commenced				
	Implemented				
	Not to be Implemented				


### Part 3 - Voluntary Contextual Information (continued)

**Table 3.4 – Changes in energy use as an indicator**

Name of group member/ business unit/ key activity/site	Current energy use as an indicator	Previous energy use as an indicator	Reasons for change
<b>Total</b>			

### Part 4 - Declaration

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

<p>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 <i>Energy Efficiency Opportunities Act 2006</i> and <i>Energy Efficiency Opportunities Regulations 2006</i>.</p>	
	<p><b>Andrew Reeves</b> Managing Director, National Foods</p>
<p>Date 3/3/11</p>	

