



Qenos Pty Ltd PUBLIC REPORT 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.

Qenos Pty Limited

From

1 July 2006

To

30 June 2011

Table 1.1 - Major Changes to Corporate Group Structure or Operations

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Table 1.1 – Major Changes to Corporate Group Structure or Operations		

Table 1.2 – Aggregate energy assessed covered in this report

Total energy use covered by all assessments in this report	15,452,735	GJ
Total energy assessed as percentage of total energy use of the corporate group**	99.6	%

* 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

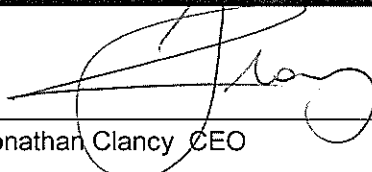
Please note that corporations are required to assess 80% or more of their energy use in the first five-year assessment cycle and 90% or more in subsequent five-year assessment cycles. Accordingly, for those corporations with a 2005-06 trigger year (i.e. those corporations at the end of their first-five 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*.


Jonathan Clancy CEO
Date 15/12/11

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

Qenos Pty Limited

Total energy use in the last financial year

15,521,270

GJ

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

%

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

99.6

%

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

%

Period over which assessment was undertaken

July 2006

June 2011

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

This is a summary of the overall Corporate approach the EEO Assessment Process and covers the common elements across all sites. Where individual sites have differed, these approaches are explain under the individual sites in this section.

Qenos is following the process outlined in the Assessment and Reporting Schedule submitted to the DITR to complete the assessments within the intent of the key requirements of the Energy Efficiency Opportunities Act as detailed below.

Key Element 1 Leadership

The EEO Assessment and Reporting Schedule for Qenos Pty Ltd was developed by Operations Management in consultation with the Qenos Executive Team (effectively the main board). It was approved by the Qenos Pty Ltd CEO.

Qenos operations are at two sites, Altona in Melbourne and Botany in Sydney. At Altona the assessment was split into three business units, Olefines, Plastics and Resins. At Botany the assessment was split into 4 business units, Olefines, Alkathene, Alkatuff and Site Utilities.

At all business units a EEO champion was appointed to lead and coordinate the EEO Assessment. This Champion identifies the resources required both people and financial to carry out the assessment at their business unit

This is supported at Corporate level by the Qenos Environmental Advisor, who coordinates the overall Corporate approach and compiles the necessary support. In addition Qenos has engaged an energy consultant familiar with the EEO assessment process to assist Qenos

with the EEO assessments and assessment process

Qenos has used its own Business Improvement Process to identify strategic energy related projects. The three projects below were identified and progressed using this process and are not included as opportunities identified by the EEO assessment. They do demonstrate Qenos long term Senior Management commitment to improved energy efficiency.

Qenos has found that the EEO program neatly complements its own processes especially with regard to less capital intensive opportunities.

The three projects are:

- Rationalisation of steam generation at Altona. New steam mains have been installed to the Resins Plant and its inefficient boilers shutdown. Low pressure steam surplus to the Olefins requirements is now supplied to Resins and Plastics reducing energy to supply steam by xxxxGJ/yr.
- An 21MW Cogeneration Plant has been sanctioned at Altona with start up planned for 2012. Cogeneration opportunities at Botany are still being evaluated
- Excess air optimisation in all fired heaters

Key Element 2 People

For each business unit a core team of Qenos experts, works with the energy consultant in data analysis and preparation of the required energy and mass balances prior to the Opportunity Evaluation Workshop. This core team attends the workshop and supports the evaluation of opportunities.

Key Element 3 Information Data and Analysis

As a large energy user and with energy as a feedstock, Qenos has maintained energy and mass balances across its business units. These are described in more detail in each business unit section.

Under the Clean Energy Futures legislation all Qenos manufacturing activities are classed as Emissions Intensive Trade Exposed and its mass balances and energy use have been subject to external verification which confirmed energy use and mass balance accuracy met EEO requirements.

Data analysis used various methods including x-y scatter graphs, total use and emission intensity to analyse business unit performance.

Qenos benchmarks the performance of its ethylene cracking plants against other plants outside Australia and benchmarks its 4 plants that convert ethylene to polyethylene against each other and against previous best performance.

Key Element 4 Opportunity Identification and Evaluation

At all business units, a workshop was held. Attendees are typically the EEO champion, process experts, representatives from the Process Operations team, maintenance supervision, Qenos Environmental Advisor and external consultant.

At the workshop the consultant outlines EEO regulatory requirements and process and the EEO champion and Qenos Environmental Advisor make presentations on energy use. The Site Champion discusses findings from data analysis, energy-mass balances.



A brainstorming session led by the consultant is used to identify ideas to improve energy efficiency. Initial screening takes place to exclude ideas that could not be implemented due to OHS concerns, operational stability issues or were judged likely to have a payback of over five years.

The ideas are ranked and higher ranked opportunities allocated to relevant operational and technical experts (usually core team members) to identify the ideas that can be effectively implemented with a payback under 4 years. The analysis of opportunities is to a level to achieve the required +/-30% accuracy for both whole of business costs and benefits.

The core team periodically reviews progress in the evaluation of ideas to ensure there is the necessary resource to complete the evaluations. Some lower ranked opportunities, which are less likely to be viable, have been put aside for evaluation during the next 5 year assessment cycle.

Key Element 5 Decision Making

Opportunities that were technically feasible and that meet the Qenos investment criteria and which required capital have been incorporated into Qenos existing capital approval processes.

Management with responsibility for decision making on these investment opportunities are presented with energy use and cost, relative to site operating costs and profit as per the EEO assessment guidelines.

Opportunities that involve changes to operating practices or are 'low hanging fruit' such as leakage repair were implemented by the core team at each business unit

Key Element 6 Communication

The outcomes of the assessment are communicated from Senior management to the core team member via the Environmental Advisor.

To improve communication of its energy performance, Qenos has developed an automated energy and greenhouse gas reporting tool. This will be able to generate internal energy consumption and greenhouse emission reports for both internal communication as well as maintaining an auditable chain of custody for external reporting.

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

Olefines Manufacturing Botany

Total energy use in the last financial year

6,434,851

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

41.5

%

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

%

Period over which assessment was undertaken

July 06

December 2010

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

Additional Information to that described in the Qenos Pty Section

The assessment was carried out in two parts as the Plant is effectively split into two operating units both of which are large energy users. For reporting purposes, these have been combined into a single business unit.

Part 1 Olefines Steam Cracking Furnaces. Assessment carried out from May 08 – August 08

Part 2 Olefines Manufacturing. Assessment carried out from June 09 – December 10

The 5 opportunities under investigation relate to a planned maintenance outage in 2013 and evaluation had not commenced by June 2011. These will be evaluated early in 2012 so as to meet the outage planning requirements

* 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 $\pm 30\%$		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	
Business Response	Implemented	5	5	295,216					295,216
	Implementation Commenced	1	1	8,120					8,120
	To be Implemented	4	3	36,938			1	36,888	73,826
	Under Investigation	-							0
	Not to be Implemented	-							0
Outcomes of assessment	Total Identified	10	9	340,274	-	-	1	36,888	377,162
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	1	1	135					135
	Implementation Commenced	-							0
	To be Implemented	-							0
	Under Investigation	5	0					0	0
	Not to be Implemented	-							0
Outcomes of assessment	Total Identified	6	1	135	-	-	-	-	135

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

Table 2.1 – 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

Resins Manufacturing Altona

Total energy use in the last financial year

417,668 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

2.7 %

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

%

Period over which assessment was undertaken

Sept 08

June 2010

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

Additional Information to that described in the Qenos Pty Section

When the Resin Plant was initially assessed, steam was provided from a boiler house located on site. This boiler also provided steam to a neighbouring plant that has now closed.

From February 2011, steam is now supplied from the main Olefins boilers which is more efficient, especially as surplus steam can be used

Evaluation of several steam related projects were put on hold until after the new steam supply has been established and these will be evaluated early in the second 5 year cycle.

The new steam main is not included as an EEO project, as it was identified through the Qenos Business Improvement Process

There have been several small "just do it" type opportunities that have been completed as they were sensible. Evaluation will take place for the next Public Report

* 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	3	2	5,240	1	3			5,243
	Implementation Commenced			-					0
	To be Implemented								0
	Under Investigation	-							0
	Not to be Implemented	-							0
Outcomes of assessment	Total Identified	3							5,243
Status of opportunities identified to an accuracy of worse than ±30%									
Business Response	Implemented	6							0
	Implementation Commenced	-							0
	To be Implemented								0
	Under Investigation	6							0
	Not to be Implemented	-							0
Outcomes of assessment	Total Identified	12	-	-	-	-	-	-	-

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

Table 2.1 – 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

Plastics Manufacturing Altona

Total energy use in the last financial year

246,445	GJ
100	%
1.6	%
	%

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

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

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

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Period over which assessment was undertaken

	August 2009		June 2010
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Description of the way in which the entity carried out its assessment

Additional Information to that described in the Qenos Pty Section

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* 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 $\pm 30\%$		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	
Business Response	Implemented	2	2	26,730				0	26,730
	Implementation Commenced	1	1	16,700					16,700
	To be Implemented	1			1	4000	2	0	4,000
	Under Investigation								0
	Not to be Implemented								0
Outcomes of assessment	Total Identified	4	3	43,430	1	4,000	2	-	47,430
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented	7							
	Implementation Commenced								
	To be Implemented								
	Under Investigation	7							
	Not to be Implemented								
Outcomes of assessment	Total Identified	14							

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

Table 2.1 – 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

Olefins Manufacturing Altona

Total energy use in the last financial year

6,813,156

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

43.9

%

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

%

Period over which assessment was undertaken

April 2010

June 2011

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

Additional Information to that described in the Qenos Pty Section

Qenos has entered into a commercial agreement with AGL who will build and operate a 21MW cogeneration unit at the Olefins site with start up by the end of 2012. This will replace an old boiler that required major refurbishment and all Qenos Altona electricity needs.

In addition to this there is the Altona revamp project is proceeding after getting more feedstock. This will improve productivity by 20% with marginal increase in energy.

There are a number of opportunities across all plants, including Resins and Plastics that can only be evaluated after the completion of the above two projects due to process and production changes.

* 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 $\pm 30\%$		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	
Business Response	Implemented								0
	Implementation Commenced								0
	To be Implemented	4	4	93,643					93,643
	Under Investigation								0
	Not to be Implemented								0
Outcomes of assessment	Total Identified	4	4	93,643			-	-	93,643
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified								

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

Table 2.1 – 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

Alkathene Manufacturing Botany

Total energy use in the last financial year

374,973	GJ
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Energy use assessed in this entity as a percentage of total entity energy use*

100	%
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Energy use assessed in this entity as a percentage of total corporate energy use

2.4	%
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Accuracy of above estimates related to energy use assessed - only required if not ±5% or better

	%
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Period over which assessment was undertaken

	July 2010		June 2011
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Description of the way in which the entity carried out its assessment

Additional Information to that described in the Qenos Pty Section

There are 3 opportunities to be evaluated in the next assessment cycle. These are likely to be longer paybacks but these paybacks are reduced by increases in energy costs related to the Clean Energy Futures legislation

* 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 $\pm 30\%$		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	
Business Response	Implemented	6	4	25,815	2	89			25,904
	Implementation Commenced								0
	To be Implemented	1	1	13,300					13,300
	Under Investigation	1	1	6,136					6,136
	Not to be Implemented								0
Outcomes of assessment	Total Identified	8	6	45,251	2	89	-	-	45,340
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation	3							
	Not to be Implemented								
Outcomes of assessment	Total Identified								

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

Table 2.1 – 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

Alkatuff Manufacturing Botany

Total energy use in the last financial year

159,935	GJ
100	%
1.0	%
	%

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

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

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

Period over which assessment was undertaken

	July 2010		June 2011
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Description of the way in which the entity carried out its assessment

Additional Information to that described in the Qenos Pty Section

There are 3 opportunities to be evaluated in the next assessment cycle. These are likely to be longer paybacks but these paybacks are reduced by increases in energy costs related to the Clean Energy Futures legislation

* 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	1	1	380					380
	Implementation Commenced								0
	To be Implemented	3	2	2,867	1	201			3,068
	Under Investigation								0
	Not to be Implemented								0
Outcomes of assessment	Total Identified	4	3	3,247	1	201	-	-	3,448
Status of opportunities identified to an accuracy of worse than ±30%									
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation	3							
	Not to be Implemented								
Outcomes of assessment	Total Identified	3							

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



Table 2.1 – 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

Botany Site Utilities

Total energy use in the last financial year

1,005,707

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

6.5

%

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

%

Period over which assessment was undertaken

March 2009

June 2011

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

Additional Information to that described in the Qenos Pty Section

Botany Site Utilities provides steam, compressed air and cooling water to the Botany Industrial Park. Along with the Qenos business units, there are two other manufacturing facilities using these utilities. Site Utilities role is to provide these utilities as cost effectively as possible. Therefore information and data analysis is different to a normal manufacturing facility.

As the boilers are over 95% of the total energy use, the focus was around developing energy balances around the boilers to identify cost and efficiency. The efficiency of each of the three boilers was then benchmarked against design efficiency.

The energy use in the financial year is the Utilities area Total energy in – Total energy sold to all users (including Qenos business units)

The evaluation of opportunities is limited in its achieved accuracy due to two factors:-

1. Upgrade of cooling tower and cooling water system. There are 3 opportunities likely to arise from upgrades to the cooling water systems which will be complete in late 2011
2. A cogeneration study is taking place and resources are scarce to evaluate in detail some of the smaller opportunities around improved steam trapping and insulation.

All opportunities not currently evaluated to +/- 30% will be evaluated to the required accuracy in the next 5 year cycle

* 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	2	1	23,700			1	25,000	48,700
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
Outcomes of assessment	Total Identified	2	1	23,700	-	-	1	25,000	48,700
Status of opportunities identified to an accuracy of worse than ±30%									
Business Response	Implemented	2	2	9,063					9,063
	Implementation Commenced	3	3	10,563					10,563
	To be Implemented	2	2	108					108
	Under Investigation	4			4				0
	Not to be Implemented								0
Outcomes of assessment	Total Identified	11	7	19,734	4	-		-	19,734

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 - 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	
<p>Insulation Improvements at Botany Alkathen Plant.</p> <p>There are a over one hundred valves and other pipeline fittings on steam pipes that were not insulated when the plant was built. This was the standard when the Alkathene Plant was built</p> <p>Insulating to modern standards will both save energy and reduce heat load in the manufacturing areas making a more pleasant working environment.</p>	Business Response	To be implemented
	Energy saved (GJ)	13,300
	Greenhouse gas abated (CO2-e)	680
	Payback period	1.1 Years

Description of Opportunity	Voluntary Information	
<p>Steam trap repair Altona Olefins Plant.</p> <p>The Altona site steam balance has changed as a result of supplying steam to the Resins Plant and will further change, when the Cogeneration Plant starts up. It is cost effective to repair all passing steam traps in the Olefins Plant. As many of them are large traps energy savings are high.</p>	Business Response	To be implemented
	Energy saved (GJ)	74,315
	Greenhouse gas abated (CO2-e)	3,810
	Payback period	0.5 Years

Description of Opportunity	Voluntary Information	
<p>Changes to Bulk Loading Spout Botany Alkatuff Plant</p> <p>The truck filling spout has been modified to allow more polyethylene to be loaded into each truck. This reduces the number of truck movements required to supply our customers</p>	Business Response	Implementation Complete
	Energy saved (GJ)	380
	Greenhouse gas abated (CO2-e)	30
	Payback period	0.2 years

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..