



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.

Commonwealth Bank of Australia (CBA) From 1 July 2006 To 30 June 2011

Table 1.1 - Major Changes to Corporate Group Structure or Operations

Table 1.1 – Major Changes to Corporate Group Structure or Operations

The first major change to the Group during the EEO's 5 year cycle was the acquisition of the Bank of Western Australia (Bankwest) in 2009. Although not formally required to be included, The Commonwealth Bank (the Bank) has voluntarily included them in their EEO program and associated reports.

The second major change was to align the Group's reportable energy consumption data with the National Greenhouse and Energy Reporting (NGER) schemes reporting data, starting with the FY2010 reports to ensure consistency of data being reported to the Government.

Table 1.2 – Aggregate energy assessed covered in this report


Total energy use covered by all assessments in this report	1,449,978	GJ
Total energy assessed as percentage of total energy use of the corporate group*#	81	%

* 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 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> .	
	Ian Narev, Commonwealth Bank of Australia, CEO
	Date: 21/12/2011

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

Commonwealth Bank - Commercial Portfolio

Total energy use in the last financial year

257,973

GJ

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

55

%

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

8

%

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

%

Period over which assessment was undertaken

01/07/07

30/06/11

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

The Commonwealth Bank's (the Bank) commercial property portfolio comprises of the main administrative offices and large customer support centres. Overall, in FY2011, 60 locations were included in this category.

The Bank's approach to the Energy Efficiency Opportunities Assessments for this Group member was to carry out individual assessments while Energetics, the Bank's external energy consultancy firm, were engaged to perform the associated site assessments.

The assessments methodology was to collect energy use data from supplier invoices, physically inspect a given location and collect further data and information on how the site was being operated, analyse the information to identify energy saving opportunities, conduct both formal and informal meetings with the Bank's facility management to review and categorise the opportunities and then to deliver a final written report of these opportunities to the Bank.

* 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 2.1 – 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

Commonwealth Bank - Retail Portfolio

Total energy use in the last financial year

276,910

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

15

%

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

%

Period over which assessment was undertaken

01/07/2008

30/06/2010

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

The Bank's retail portfolio comprises of retail branches and customer business centres. Overall, in FY2011, 1,182 locations were included in this category.

The Bank's approach to the Energy Efficiency Opportunities Assessments for this Group member was to carry out a representative assessment. At the beginning of the assessment, 12 'typical type' locations were physically inspected by Energetics, the Bank's energy consultancy firm, who were engaged to perform the site assessments.

The assessments methodology was to collect energy use data from supplier invoices, physically inspect a given location and collect further data and information on how the site was operated, analyse the information to identify energy saving opportunities, conducting both formal and informal meetings with the Bank's facility management to review and categorise the opportunities.

From this a selection of "typical type" energy saving opportunities was generated. The potential energy saving from these opportunities was then extrapolated across the retail portfolio to generate the total saving that could be obtained. As a cross check and precursor to a portfolio wide roll-out, 20 branches were trialled as a "proof of concept".

As reported in the FY10 Public report, plans were then drawn up to begin the roll-out process. However, following internal reviews the initial project was deferred and the opportunities re-evaluated prior to a revised implementation project to be undertaken during FY2012.



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

Commonwealth Bank - Fleet Portfolio

Total energy use in the last financial year

105,346	GJ
100	%
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

Period over which assessment was undertaken

	01/07/2008		30/06/2009
--	------------	--	------------

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

The Bank's fleet portfolio comprises its "tool-of-trade" company vehicle fleet.

The Bank's approach to the Energy Efficiency Opportunities Assessments for this Group member was to carry out a representative assessment. The assessment commenced with a stakeholder engagement workshop, where opportunities for savings were discussed and prioritised. The opportunities that were agreed upon, due to their return and commercial value, were then extrapolated across the Bank's tool-of-trade fleet.

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

Commonwealth Bank - ATM Portfolio

Total energy use in the last financial year

14,638

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

1

%

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

%

Period over which assessment was undertaken

01/07/2009

30/06/2010

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

Due to a high degree of standardisation of the Bank's Automatic Teller Machines (ATMs), it was taken as a reasonable proposition that a small sample of ATM's would be an accurate representative sample of the larger population of machines.

At the beginning of March 2010, Bank records indicated that there were 3,391 individual ATMs, located at 2,412 separate locations. Based upon this information Energetics, the Bank's energy consultancy firm, conducted a concentrated assessment on a sample of machines (a 'representative assessment') for the potential energy saving opportunities. From this study the opportunities selected for implementation were extrapolated across the ATM portfolio.

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

Colonial First State Global Asset Management

Total energy use in the last financial year

1,020,424 GJ

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

83 %

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

47 %

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

%

Period over which assessment was undertaken

01/07/2008

30/06/2011

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

The Colonial First State Global Asset Management (CFSGAM) property portfolio comprises commercial office buildings, retail shopping centres, industrial properties and hotels. In FY2011, 80 locations were included in this category. CFSGAM's approach to Energy Efficiency Opportunities Assessments was to integrate the reporting requirements into the CFSGAM internal Operational Performance Strategy and National Australian Built Environment Rating System (NABERS) Improvement Programs.

The assessment methodology included the collection of energy use data from supplier invoices, the physical inspection of the assets along with a technical review of the operations, the analysis of the data sets and corresponding operational information to identify energy saving opportunities, holding both formal and informal meetings with the property managers and relevant consultants to review and categorise the opportunities and then deliver a final written report of these opportunities.

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

Bankwest - Commercial Portfolio

Total energy use in the last financial year

68,883 GJ



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

34	%
----	---

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

1	%
---	---

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

	%
--	---

--	--

Period over which assessment was undertaken

	01/07/2009		30/06/2011
--	------------	--	------------

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

The Bankwest commercial portfolio comprises administrative offices and large customer support centres. Overall, in FY2011, 15 locations were included in this category.

Bankwest's approach to the Energy Efficiency Opportunities for this Group member was to carry out individual assessments and Energetics, the Bank's energy consultancy firm, was engaged to perform these site assessments.

The assessments methodology was to collect energy use data from supplier invoices, physically inspect a given location and collect further data and information on how the site was being operated, analyse the information to identify energy saving opportunities, conduct both formal and informal meetings with the Bank's facility management to review and categorise the opportunities and then deliver a final written report of the opportunities.

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

Bankwest - Retail Portfolio

Total energy use in the last financial year

36,568	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 %

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

%

Period over which assessment was undertaken

01/07/2009

30/06/2011

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

The Bankwest retail portfolio comprises branches and customer business centres. Overall, in FY2011, 186 locations were included in this category. Bankwest's approach to the Energy Efficiency Opportunities for this Group member was to carry out a representative assessment. At the beginning of the assessment, 9 'typical type' locations were physically inspected by Energetics, which were engaged to perform the site assessments. The assessments methodology was to collect energy use data from supplier invoices, physically inspect a given location and collect further data and information on how the site was being operated, analyse the information to identify energy saving opportunities, conduct both formal and informal meetings with the Bank's facility management team to review and categorise the opportunities. From this, a selection of "typical type" energy saving opportunities was generated. The potential energy saving from these opportunities was then extrapolated across the Bankwest retail portfolio to confirm the potential total saving.

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

Bankwest - ATM Portfolio

Total energy use in the last financial year

1,874 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

0.1 %

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

%



Period over which assessment was undertaken		01/07/2010	
			30/06/2011

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

Commonwealth Bank (the Bank) and Bankwest Automatic Teller Machines (ATMs) are very alike, therefore a similar approaches were taken for the Bank and Bankwest.

During FY11, 87 individual ATMs, were located at 82 separate locations. Energetics, the Bank's energy consultancy firm, used the analysis previously carried out for the Commonwealth Bank's ATM representative assessment to compile an analysis for the Bankwest ATMs. From this study, the opportunities selected for implementation were extrapolated across the Bankwest ATM portfolio.

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

Bankwest - Fleet Portfolio

Total energy use in the last financial year

5,756 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

0.3 %

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

%



--	--	--	--

Period over which assessment was undertaken

	01/07/2010		30/06/2011
--	------------	--	------------

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

The Bankwest fleet portfolio comprises their “tool of trade” company vehicle fleet. Given the similarity between Bankwest’s portfolio and the Commonwealth Bank’s fleet, Energetics used the analysis previously carried out for the Commonwealth Bank’s fleet representative assessment to compile an analysis for the Bankwest fleet. From this study the opportunities selected for implementation were extrapolated across the Bankwest fleet.

Table 2.2 - Energy efficiency opportunities identified in the assessment - CBA Commercial Portfolio

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	11	1,445	3	191	1	33	1,669	1,669
	Implementation Commenced	1	7				7	7	7
	To be Implemented	16	2,964	10	1,030	16	496	4,490	4,490



	Under Investigation	4,688	670	27,505	2,740	20,322	1,278	10,945	58,772
	Not to be Implemented								
Outcomes of assessment	Total Identified	4,771	681	27,956	2,791	20,713	1,299	11,125	59,794
Status of opportunities identified to an accuracy of worse than ±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 2.2 - Energy efficiency opportunities identified in the assessment - CBA Fleet Portfolio

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		
	Implementation Commenced	9	3	41,224			6		41,224
	To be Implemented								
	Under Investigation	9	2	33,514			7		33,514



Outcomes of assessment	Total Identified	2	1	919			1	2,609	3,528
Status of opportunities identified to an accuracy of worse than ±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 2.2 - Energy efficiency opportunities identified in the assessment - Colonial First State Global Asset Management (CFS GAM)

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	107	19	9,239	18	5,164	70	30,491	44,895
	Implementation Commenced	90	16	12,627	42	13,724	32	11,064	37,415
	To be Implemented	31	13	9,826	9	5,005	9	5,770	20,601
	Under Investigation	238	97	36,039	84	25,249	57	19,305	80,593
	Not to be Implemented	58	7	1,504	9	635	42	21,329	23,469

Outcomes of assessment	Total Identified	524	152	69,236	162	49,778	210	87,959	206,972
Status of opportunities identified to an accuracy of worse than ±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 2.2 - Energy efficiency opportunities identified in the assessment - Bankwest Commercial Portfolio

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								
	Implementation Commenced								
	To be Implemented	5		1	4	4	41	45	
	Under Investigation	8	4	282	1	3	3	347	632
	Not to be Implemented								
Outcomes of assessment	Total Identified	13	4	282	2	7	7	388	677



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 2.2 - Energy efficiency opportunities identified in the assessment - Bankwest Retail Portfolio

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 – \leq 4 years		> 4 years			
		No of Opps	GJ	No of Opps	GJ	No of Opps	GJ		
Business Response	Implemented								
	Implementation Commenced								
	To be Implemented	33	16	218	8	70	9	25	313
	Under Investigation	26	5	613	7	774	14	1,754	3,141
	Not to be Implemented								
Outcomes of assessment	Total Identified	59	21	831	15	844	23	1,779	3,454
Status of opportunities identified to an accuracy of worse than $\pm 30\%$									



Response	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 2.3 - 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>The proposed projects for the Colonial First State Global Asset management facility at Queens Plaza, QLD, will result in the following outcomes for the energy efficiency performance of the site:</p> <ul style="list-style-type: none"> * installing modern supply air temperature and zone control methodologies, * reducing the incidence of simultaneous heating and cooling and optimising loads on central plant, * optimizing chiller performance control strategies – this intelligent control will allow for the chillers to operate at maximum efficiency based on the outside air conditions and internal loads, * utilizing economy cycle operation – relocating the site’s weather station and upgrading the controls methodology will allow the site to take advantage of more free cooling from the outside air, * rebalancing of HVAC supply air fans and installation of VSDs – this retro-commissioning measure will allow for HVAC fans to supply the same quantities of air at lower fan speeds and pressures. <p>The completion of these projects at Queens Plaza will improve the efficiency of the Centres, reduce overall costs and support the Bank’s sustainability agenda.</p>	Business Response	To Be Implemented
	Energy saved (GJ)	3,636
	Greenhouse gas abated (CO ₂ -e)	1,064 tonnes
	\$ saved	\$150,000
	Payback period	<2 years

Description of Opportunity	Voluntary Information	
<p>The proposed controls, supply air fan and low load chiller upgrades for the Myer Centre Brisbane will result in the following outcomes for the energy efficiency performance of the site:</p> <ul style="list-style-type: none"> * installing modern supply air temperature and zone control methodologies * reducing the incidence of simultaneous heating and cooling and optimising loads on central plant. * upgrade of the chilled water plant – the site’s low load chiller will be upgraded to a variable speed unit with current market best practice performance. * optimizing chiller performance control strategies – this intelligent control will allow for the chillers to operate at maximum efficiency based on the outside air conditions and internal loads. 	Business Response	To Be Implemented
	Energy saved (GJ)	6,912
	Greenhouse gas abated (CO ₂ -e)	2,020 tonnes
	\$ saved	\$285,000
	Payback period	2 - 4 years



* rebalancing of HVAC supply air fans and installation of VSDs – this retro-commissioning measure will allow for HVAC fans to supply the same quantities of air at lower fan speeds and pressures.

The completion of these projects at the Myer Centre Brisbane will improve the efficiency of the Centres, reduce overall costs and support the Bank's sustainability agenda.

Description of Opportunity	Voluntary Information	
<p>Apply Solacoat (solar reflective paint) to the upper level roof surface at Altona Gate shopping centre, Victoria.</p> <p>Solacoat is a revolutionary water-based acrylic coating that contains a unique membrane additive, which reflects the sun's hot infra-red rays whilst reducing greenhouse gas emissions. It is a well tried and tested method of reducing solar gain in a building and lowers heat levels within a building by up to 15°C.</p>	Business Response	Implemented
	Energy saved (GJ)	368
	Greenhouse gas abated (CO ₂ -e)	107 tonnes
	\$ saved	\$15,000
	Payback period	2 – 4 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.