Australian Government
Department of Resources, Energy and Tourism

Energy Efficiency Opportunities

PUBLIC REPORT TEMPLATE 2012

Part 1 - Corporation Details

Controlling Corporation

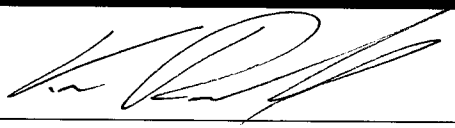
Insert the name of the Controlling Corporation exactly as it is registered with the EEO Program.

SingTel Optus 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 have taken place during 2011/12.

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*.	 Kevin Russell Chief Executive Officer **Date** 17/12/2012

Part 2 - Assessment Outcomes

Table 2.1 – Assessment Details

It is compulsory to complete a separate table for each entity* that has been assessed

Name of entity	SingTel Optus Pty Ltd

Total energy use in the last financial year	1,293,919	GJ
Total percentage of energy use assessed when assessments were undertaken	94	%

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

Optus Singtel has undertaken assessments of 1,186 PJ of electricity consumption or 94% of energy use in the 2009/10 year when the assessments were undertaken. Due to expansion in the network infrastructure and data load, total energy consumption is increasing on average 4% per year. Our challenge is to reduce the energy intensity of our assets while our footprint continues to grow.

* Entity is group member, business unit, or key activity. Please note that, for individual sites that use more that 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

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	Under Investigation	4	3	1,140	1	1,838	0	0	2,978
	To be Implemented	2	1	27	1	413	0	0	440
	Implementation Commenced	2	2	900	0	0	0	0	900
	Implemented	37	20	67,220	7	21,944	10	5,037	94,201
	Not to be Implemented	11	8	3,720	0	0	3	4,881	8,601
Outcomes of assessment	**Total Identified**	**56**	**34**	**73,007**	**9**	**24,196**	**13**	**9,918**	**107,120**

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 No 1	Voluntary Information	
Upgrade of Aircraft Warning Lights from incandescent to LED at 31 locations. The upgrade resulted in significant maintenance savings due to the long lamp life of the LED. The lighting was also rewired to rely on DC, thus they will continue to work in the event of mains power failure.	Equipment Type	Lighting
	Business Response	Implemented
	Energy saved (GJ)	972
	Greenhouse gas abated (CO2-e)	328tCO2-e
	$s saved	$125,000
	Payback period	4.6

Description of Opportunity No 2	Voluntary Information	
Upgrade of 50W low voltage downlights to 10W LED lamps within the commercial building portfolio. The LED technology will achieve a 77% reduction in energy consumption and deliver maintenance savings due to the long lamp life.	Equipment Type	Lighting
	Business Response	To be implemented
	Energy saved (GJ)	413
	Greenhouse gas abated (CO2-e)	260tCO2-e
	$s saved	$30,600
	Payback period	4.0

Description of Opportunity No 3	Voluntary Information	
Replacement of Uninterrupted Power Supply (UPS) with Inverter systems to supply back up power to HUBs. The Inverter draws about one tenth of the voltage and has a lower heat load therefore reducing air conditioning costs. Due to the reduced voltage the inverters are safer to maintain, and as they are connected in parallel there is no power interruption during maintenance.	Equipment Type	Telecommunications
	Business Response	Implemented
	Energy saved (GJ)	4541
	Greenhouse gas abated (CO2-e)	532tCO2-e
	$s saved	$165,000
	Payback period	2.1

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.

Part 3 – Transition to Second Cycle

This table should only be completed by 2005-06 trigger-year corporations transitioning to the second cycle.

In December 2011 many corporations reported energy efficiency opportunities that were still under investigation as at 30 June 2011. 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.

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	
As reported in December 2011	Under Investigation	10	9	1716	1	1838			3554
Business Response as at 30 June 2012	Implemented	2	2	0					
	Not to be Implemented	2	2	0					
	To be evaluated/reported in the second cycle	6	5	1716	1	1838			3554