



## 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

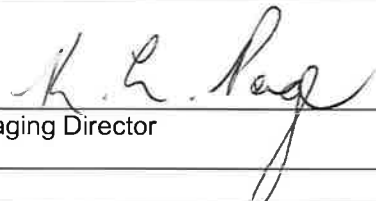
Insert the name of the Controlling Corporation exactly as it is registered with the EEO Program. The period to which the report relates is the total period of participation up to 30 June prior to when the report is due.

Harvey Norman Holdings Limited      From      1 July 2006      To      30 June 2011

#### Table 1 - Major Changes to Corporate Group Structure or Operations

Table 1.1 – Major Changes to Corporate Group Structure or Operations
<p>Harvey Norman acquired Clive Peeters and Rick Hart retail chain of stores in July 2010, with a total of 32 stores. Throughout 2010 /11 these stores, accounted for 6% of the total Corporate energy usage were operated as a separate business, thus has been excluded for EEO assessments.</p> <p>In August 2011, these store have either been closed or rebranded as Harvey Norman or Joyce Mayne stores, so will be included 2011/12 EEO Assessments.</p> <p>No other major changes to Corporate Group Structure or significant changes in energy use.</p>

#### Declaration

Declaration of accuracy and compliance	
<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>	 Katie Page   Managing Director
	Date

## 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**

Harvey Norman and Domayne

**Total energy use in the last financial year**

546625

GJ

**Period over which assessment was undertaken**

From

01/07/2010

to

30/06/2011

**Percentage of entity energy use assessed\***

91%

%

**Percentage of corporation's energy use assessed**

86%

%

**Accuracy of energy use assessed - only required if not  $\pm 5\%$  or better**

%

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

During the period of July 2010 – June 2011, Harvey Norman conducted representative energy efficiency assessment of the HVAC systems across all stores in the group. Energy Consumption associated with the HVAC systems was investigated through 23 representative store assessments with results extrapolated across the balance of the stores within the group. Nine opportunities were identified, with a total savings representing 31% of the groups HVAC annual energy use. These opportunities included a number of new store HVAC opportunities (5 opportunities) that are not cost effective to implement in existing stores, though are under investigation for new stores. Identified energy savings opportunities, combined with the mechanisms identified during the course of the EEO assessment process, will aid in implementing opportunities and improving the long term energy efficiency of the operations.

Evaluation of previous assessment reporting period have been progressed with all user operational savings have been implemented, through education program and monitoring of electricity periods. Ensuring HVAC and lighting systems are only on during core trading hours and for limited times outside of these hours. All replacements of incandescent lamps, are now being fitted with CFL lamps.

Harvey Norman do not plan to retrofit stores, though where applicable, we are investigating replacement standards, as and when lighting and HVAC systems become end of life. All new stores are now being fitted with energy efficient HVAC systems and lighting.

Our New Springvale store, being the largest store open to date, in a joint venture with IKEA, has allowed us to utilise some of our EEO opportunities that are not applicable to our standard size stores, such as new construction designs taking advantage of nature lighting and cooling systems.

The site assessments Harvey Norman has undertaken to date have been thorough and comprehensive, as outlined in the company's approved Assessment and Reporting Schedule (ARS). The assessment process has engaged the participation of multi-disciplinary teams which included people from Harvey Norman corporate and site management and external service providers. Detailed analysis of energy usage was carried out for each site to inform the opportunities raising process, with opportunities identified and evaluated to an appropriate level to enable a business response.



Outcomes of the assessments have been communicated to relevant staff for further action.

\* 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%.

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

<b>Table 2.2 – Energy efficiency opportunities identified in the assessment</b>									
<b>Status of opportunities assessed to an accuracy of better than or equal to (&lt;=) ±30%</b>		<b>Total Number of opportunities</b>	<b>Estimated energy savings per annum by payback period (GJ)</b>						<b>Annual net energy savings (GJ)</b>
			<b>0 – &lt; 2 years</b>		<b>2 – ≤ 4 years</b>		<b>&gt; 4 years</b>		
			<b>No of Opps</b>	<b>GJ</b>	<b>No of Opps</b>	<b>GJ</b>	<b>No of Opps</b>	<b>GJ</b>	
<b>Business Response</b>	Under Investigation	67	24	1359	12	1975	31	157848	161182
	To be Implemented								0
	Implementation Commenced								0
	Implemented	28	20	1810	2	409	6	12917	15136
	Not to be Implemented	41	0	0	10	774	31	10596	11370
<b>Outcomes of assessment</b>	<b>Total Identified</b>	<b>136</b>	<b>44</b>	<b>3169</b>	<b>24</b>	<b>3158</b>	<b>68</b>	<b>181361</b>	<b>187688</b>
<b>Status of opportunities identified to an accuracy of better than or equal to (&lt;=) ±30%</b>									
<b>Business Response</b>	Implemented								
	Implementation Commenced								
	To be Implemented								
	Under Investigation								
	Not to be Implemented								
<b>Outcomes of assessment</b>	<b>Total Identified</b>								

**Not applicable, as all opportunities assessed to an accuracy of better than or equal to (<=) ±30%**

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	
<b>HVAC COP Improvements</b> <ul style="list-style-type: none"> <li>Proactive replacement of old HVAC systems, with the new BCA 2010 standards of Minimum Energy Performance standards (MEPS) for reverse cycle units from 2.25 to 3.5 MEPS, or greater where applicable.</li> <li>This is a 55% improvement on existing units.</li> <li>As we have a lot of aging HVAC systems, we are currently investigating a proactive replacement program</li> </ul>	Business Response	Implemented, per new store
	Energy saved (GJ)	507
	Greenhouse gas abated (CO2-e)	
	\$s saved	\$14,373
	Payback period	0

Description of Opportunity	Voluntary Information	
<b>Improved Insulation</b> <ul style="list-style-type: none"> <li>Improving the building insulation (walls, glazing and roofing) could improve the HVAC energy efficiency by 15%.</li> <li>Due to the high cost of retrofitting existing stores this opportunity would only be cost effective for new stores.</li> </ul>	Business Response	Implemented, per new store
	Energy saved (GJ)	138
	Greenhouse gas abated (CO2-e)	
	\$s saved	\$3,920
	Payback period	5 years

Description of Opportunity	Voluntary Information	
<b>Economy Cycles</b> <ul style="list-style-type: none"> <li>The use of economy cycles reduces the amount of cooling required from the compressors when conditions are suitable (i.e. outside temperature is less than internal temperatures).</li> <li>Savings of 25% can be achieved</li> <li>This has now been included as a standard HVAC specification in our replacement and new build standards for stores.</li> </ul>	Business Response	Implemented, per new store
	Energy saved (GJ)	231
	Greenhouse gas abated (CO2-e)	
	\$s saved	\$6,533
	Payback period	6 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.