

# THE AUSTRALIAN NATIONAL UNIVERSITY

## Student Residences

### ENVIRONMENTAL MANAGEMENT PLAN

2007-2010

#### *Preamble*

The Australian National University is the proprietor of five properties that house approximately 2000 students' on and off campus. These communities are vital for university life. They constitute the nexus between the academic and residential spheres and provide the framework for a collegiate model.

The Student Residences Environmental Management Plan is linked to the **Australian National University Environmental Management Plan** (2003-2008) and addresses the University's ongoing commitment to Ecologically Sustainable Development within the Halls of residence. It recognizes the often-itinerant nature of on-campus communities and seeks to adapt an approach that effectively functions within a resource constrained setting.

With these issues in mind this plan adopts the following principles:

- ❑ Promote environmental awareness and responsibility among all members of the Halls
- ❑ Promote the principles and practices of environmental responsibility by sharing knowledge and practices with the Hall communities
- ❑ Identify, monitor and report on the community's environmental obligations;
- ❑ Instill an awareness of local and global environmental obligations;
- ❑ Develop a balanced approach that is environmentally sound, operationally viable and designed to meet the needs of the student residences while allowing the University to fulfill its environmental obligations.

This document sets out the proposed Environmental Management Plan 2007 – 2010.

#### ***Environmental Management Plan 2007- 2010***

This Environmental Management Plan details strategies to be implemented in the period 2007-2010 for achieving improved environmental performance in the following areas:

- ❑ Energy and Greenhouse Gas Emission Management
- ❑ Biodiversity Management
- ❑ Recycling and Waste Management
- ❑ Water Conservation and Management
- ❑ Community Awareness
- ❑ Pollution Prevention and Environmental Risk

#### ***Format***

For each of the sections mentioned above an overall objective is stated. Where applicable, this is followed by a target for environmental improvement and an Environmental Performance Indicator (EPI); these indicators are used to assess the performance of student residences in relation to their environmental targets.

#### ***Division of University Accommodation – Student Residences Environmental Committee***

A divisional committee will be established that will be responsible for the implementation, monitoring and evaluation of this EMP. This committee will be comprised of the Deans of the student residences or administrative managers (or their proxies) with ex-officio membership from ANUgreen. This committee will be a sub – committee of the university's Environmental

## Management Planning Committee (EMPC)

### **Reporting**

The Division of University Accommodation – Student Residences Environmental Committee will report annually to the EMPC (and through it to the Vice Chancellor) and the Pro Vice-Chancellor (University Community). This report will be submitted to the EMPC by 1<sup>st</sup> April each year.

### **1. Energy and Greenhouse Gas emission management**

**Objective:** To achieve a continual improvement in energy conservation.

**Target:** To reduce absolute energy consumption to 10% below the base level year (2006) by 2010 based on business as usual projections (noting that projected university growth of 1-2% during this period will also need to be offset).

**Environmental Performance Indicators:** Develop and monitor appropriate energy performance indicators that illustrate true progress against a background of growth for the division. Proposed performance indicators include:

-GJ energy per EFTSU & FTE-CO<sub>2</sub>e per EFTSU & FTE-GJ energy per m<sup>2</sup> of floor space (separate buildings -CO<sub>2</sub>e per m<sup>2</sup> of floor space (separate buildings)

No.	Strategy	Responsibility	Year of Commencement
1.1	Develop and monitor energy and greenhouse performance indicators across the division to provide a benchmark for measuring improvement.	Energy and Water Conservation Manager (EWCM) (ANUgreen)	2007
1.2	Include energy and greenhouse indicators on annual reports forwarded to the management of areas, as well as information on energy conservation initiatives.	EWCM	2007
1.3	Evaluate the market to identify new energy conservation technologies and consider recommendations for action and communicate relevant information to stakeholders on a regular basis.	EWCM and Business Managers	2007
1.4	Develop and assist areas to adopt a purchasing policy that promotes the purchase of products with good energy efficiency ratings, life cycle costs and, where practical and data is available, considers embodied energy.	Administration Manager of Halls	2007
1.5	Develop and implement energy conservation & greenhouse awareness programs for staff and students, integrated with other environmental initiatives	Deans Of Halls	2007
1.6	Use architects, landscape architects, planners, builders and designers who provide energy efficient design.	Head Of Halls	2007

1.7	Establish clauses for inclusion in all contracts for services that include specific provisions which encourage contractors to develop energy efficient work practices	Director UAS	2007
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## **2. Water Management**

**Objective:** To achieve continual improvement in water conservation.

**Target:** Reduce water consumption levels by 10% by 2010 compared to the base year (2006)

**Environmental Performance Indicator:** Kilolitres/per annum

No.	Strategy	Responsibility	Year of Commencement
2.1	Monitor total water consumption levels and provide sector-level reports of water consumption-where feasible to the division and individual Halls.	EWCM	2007
2.2	Develop and implement a water conservation awareness campaign for staff and students, integrated into other environmental initiatives.	Dean Of Halls	2007
2.3	Continually review water saving technologies and assess their suitability for use throughout student residences.	EWCM and UAS Business Manager	2007

## **3. Recycling and Waste Management**

**Objective:** To achieve best practice in recycling and waste management.

**Target:** Reduce volume/weight of waste going to landfill by 30% (from 2006 levels) by 2010.

**Environmental Performance Indicator** Tonnes of waste to landfill per year relative to baseline (2006).

No.	Strategy	Responsibility	Year of Commencement
3.1	Establish, in conjunction with stakeholder groups, waste management contracts that promote innovative and flexible strategies to reduce waste and increase recycling.	Business Manager Heads of Halls	2007
3.2	Introduce & maintain a corporate recycling program, which includes the use of standard colours and signs for recycling bins and promotional media and training of the system.	Heads of Halls	2007
3.3	Establish a community awareness program to promote the reuse of materials, recycling and waste minimisation.	Dean Of Halls	2007

3.4	Promote the use of a purchasing policy that encourages the use of products manufactured from recycled material, waste minimisation, material reuse and recycling at a corporate level.	Head Administration Manager Of Hall	2007
3.5	Review current waste streams to establish opportunities to transform waste into a resource which could be reused on campus, or used to generate income for the University	Administration Manager Of Hall	2007
3.6	Participate in a strategy for managing organic waste.	Recycling Coordinator (ANUgreen)/ Manager of Hall	2007
3.7	Develop and implement a waste monitoring and evaluation process that provides information on annual volume, weight and composition of the waste and recycling streams.	Head Of Hall	2007

#### 4. Biodiversity

**Objective:** To manage biodiversity in an ecologically appropriate manner through consultation with the University authorities responsible for managing University gardens and grounds and the University's Biodiversity Officer (ANUgreen).

**Target:** Develop and implement a biodiversity management plan that is consistent with the University's biodiversity management plan.

**Environmental Performance Indicator:** Increased community awareness of biodiversity issues.

No.	Strategy	Responsibility	Year of Commencement
4.1	Ensure that all Hall landscaping projects occur in consultation with ANU Gardens and Grounds services and the Biodiversity Manager, and that they are consistent with the ANU's Biodiversity Plan.	Gardens and Grounds Management, Biodiversity Project Manager and Head of Hall	2007
4.2	Ensure the Division is meeting all its responsibilities under local and commonwealth environmental protection and biodiversity legislation	Environmental Manager (ANUgreen)	2007

#### 5. Community Awareness

**Objective:** To promote corporate and community awareness of environmental issues.

**Target:** Increase the number of people considering environmental impact in decisions.

**Environmental Performance Indicators:** The number of residents who are actively involved in a Hall's environmental group (s).

No.	Strategy	Action by	Year of Commencement
5.1	Promote ANUgreen activities and operations in the Hall	Dean and Hall Environmental Co-coordinator	2007
5.2	Ensure that Hall environmental co-coordinator(s) are appropriately trained.	Dean of Hall	2007

5.3	Establish, maintain and support a University Accommodation Environmental working group to promote environmental management in the Halls.	Dean of Halls and Environmental Manager	2007
5.4	Establish, maintain and support an in-Hall environment group that facilitates and promotes environmental initiatives.	Dean of Hall	2007

## **6. Pollution Prevention and Environmental Risk**

**Objective:** To continually improve pollution prevention actions, and to achieve best practice environmental management in line with the Australian Capital Territory Environmental Protection Act (1997).

### **Target:**

- To achieve a residual environmental risk of less than 20% by 2010.
- Avoidance of all actions that could attract infringements under the EPA.
- All relevant tradesman, kitchen staff, cleaners and contractors aware of environmental protection laws and pollution prevention strategies.
- Effective pollution prevention infrastructure in place in all relevant areas across the Division, with officers knowledgeable of maintenance and use.

### **Environmental Performance Indicators:**

- Percentage residual environmental risk based on the Comparative Environmental Risk Assessments Methodology (CERAM).
- Number of officers trained in stormwater pollution prevention measures.
- Number of actions that could attract infringements under the ACT EPA

6.1	Engage University Environmental Risk Officer to conduct primary environmental risk assessment of Halls using CERAM	Head of Halls, Environmental Risk Officer (ANUgreen)	2007
6.2	Implement recommendations from CERAM	Head of Halls	
6.3	Train cleaners, tradesman, contractors and kitchen staff in best practice environmental risk, pollution prevention and stormwater management training	Head of Halls Environmental Risk Officer	2007