

Environmental Programme

Impact Area	Target ref	Completed	% Complete	Target Date
STRATEGIC MANAGEMENT	EMP1	<input type="checkbox"/>	50	31/12/2012
TARGET	OBJECTIVE			
DEVELOP A TANGIBLE VISION OF A SUSTAINABLE UEA	DEVELOP THE SUSTAINABILITY AGENDA AT UEA			
PERFORMANCE INDICATOR	Responsible person(s)			
Vision effectively communicated to stakeholders	Gideon Middleton			
Notes				
Sustainability Board to agree next steps				
STRATEGIC MANAGEMENT	EMP2	<input type="checkbox"/>	0	30/03/2012
TARGET	OBJECTIVE			
DELIVER CORPORATE RESPONSIBILITY TRAINING TO SUSTAINABILITY BOARD	DEVELOP THE SUSTAINABILITY AGENDA AT UEA			
PERFORMANCE INDICATOR	Responsible person(s)			
Training completed and recorded	Gideon Middleton			
Notes				
Delayed until June meeting due to Dr. Middleton's availability				
STRATEGIC MANAGEMENT	EMP3	<input checked="" type="checkbox"/>	100	31/03/2012
TARGET	OBJECTIVE			
ACHIEVE ECOCAMPUS GOLD AWARD	IMPLEMENT AN ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFIED TO ISO14001 VIA ECOCAMPUS SCHEME			
PERFORMANCE INDICATOR	Responsible person(s)			
Award achieved	Martyn Newton			
Notes				
award achieved 30.3.12				
STRATEGIC MANAGEMENT	EMP4	<input type="checkbox"/>	55	31/10/2012
TARGET	OBJECTIVE			
ACHIEVE ECOCAMPUS PLATINUM AWARD	IMPLEMENT AN ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFIED TO ISO14001 VIA ECOCAMPUS SCHEME			
PERFORMANCE INDICATOR	Responsible person(s)			
Award achieved	Martyn Newton			
Notes				
STRATEGIC MANAGEMENT	EMP5	<input type="checkbox"/>	50	31/12/2012
TARGET	OBJECTIVE			
ACHIEVE CERTIFICATION TO ISO14001	IMPLEMENT AN ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFIED TO ISO14001 VIA ECOCAMPUS SCHEME			
PERFORMANCE INDICATOR	Responsible person(s)			
Certification achieved	Martyn Newton			
Notes				

Impact Area	Target ref	Completed	% Complete	Target Date
STRATEGIC MANAGEMENT	EMP6	<input type="checkbox"/>	76	31/12/2012
TARGET	OBJECTIVE			
% OF STAFF TRAINED (general environmental awareness)	EMPOWER AND MOTIVATE STAFF TO SUPPORT EMS IMPLEMENTATION			
PERFORMANCE INDICATOR	Responsible person(s)			
100% target not set as associate, alumni etc. included in staff email list used as the basis for recording on-line training	Neil Wilson			
Notes				
STRATEGIC MANAGEMENT	EMP7	<input type="checkbox"/>	45	31/12/2012
TARGET	OBJECTIVE			
NUMBER OF STAFF TRAINED/HOURS OF TRAINING (job specific)	EMPOWER AND MOTIVATE STAFF TO SUPPORT EMS IMPLEMENTATION			
PERFORMANCE INDICATOR	Responsible person(s)			
number of staff trained/hours of training	Neil Wilson			
Notes				
Jan - Dec 2011 baseline 162 attendees, 86 hours training				
STRATEGIC MANAGEMENT	EMP8	<input checked="" type="checkbox"/>	100	31/03/2012
TARGET	OBJECTIVE			
PUBLISH ANNUAL ENVIRONMENTAL REPORT	EFFECTIVELY COMMUNICATE TO SHARE KNOWLEDGE AND LEARNING			
PERFORMANCE INDICATOR	Responsible person(s)			
Annual report published April 2012	Martyn Newton			
Notes				
BIODIVERSITY AND LANDSCAPE	EMP9	<input type="checkbox"/>	98	31/01/2012
TARGET	OBJECTIVE			
PUBLISH COMPREHENSIVE BIODIVERSITY REPORT AND IMPLEMENT REGULAR MONITORING	MAINTAIN AND ENHANCE BIODIVERSITY			
PERFORMANCE INDICATOR	Responsible person(s)			
Comprehensive Biodiversity Audit report published	Iain Barr			
Notes				
Audit report completed March 2012. Indicator species will undergo continued monitoring according to a 10 year programme.				
BIODIVERSITY AND LANDSCAPE	EMP10	<input type="checkbox"/>	50	31/12/2015
TARGET	OBJECTIVE			
INCORPORATE BIODIVERSITY ENHANCEMENTS IN ALL NEW BUILD PROJECTS	MAINTAIN AND ENHANCE BIODIVERSITY			
PERFORMANCE INDICATOR	Responsible person(s)			
guidelines in place in design guide, all new build projects incorporate enhancements	Iain Barr			
Notes	Martyn Newton			
design guide now includes guidance on enhancements				





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BIODIVERSITY AND LANDSCAPE	EMP11	<input type="checkbox"/>	30	31/12/2015
TARGET	OBJECTIVE			
HALT SCRUB ENCROACHMENT IN UNIVERSITY FEN, BLUEBELL MARSH AND BUTTERFLY MEADOW	MAINTAIN AND ENHANCE BIODIVERSITY			
PERFORMANCE INDICATOR	Responsible person(s)			
comparison of extent of area with old aerial photographs/Google Earth and biodiversity monitoring results	Oliver Deeming			
Notes	Iain Barr			
BIODIVERSITY AND LANDSCAPE	EMP12	<input type="checkbox"/>	10	31/12/2012
TARGET	OBJECTIVE			
DEVELOP THINNING AND DIRECTED ACCESS PLAN FOR NEW PLANTATIONS	MAINTAIN AND ENHANCE BIODIVERSITY			
PERFORMANCE INDICATOR	Responsible person(s)			
funded plan in place	Oliver Deeming			
Notes	Iain Barr			
BIODIVERSITY AND LANDSCAPE	EMP13	<input type="checkbox"/>	70	30/09/2012
TARGET	OBJECTIVE			
REDUCE NUTRIENT LEVELS IN THE WATER SOLDIER POND TO THOSE BENEFICIAL FOR NUTRIENT POOR PLANTS	MAINTAIN AND ENHANCE BIODIVERSITY			
PERFORMANCE INDICATOR	Responsible person(s)			
number of hours work removing sludge, biodiversity monitoring results, nutrient poor plants and dragonfly larvae present	Oliver Deeming			
Notes	Iain Barr			
BUILT ENVIRONMENT (INCLUDING CAMPUS DEVELOPMENT AND REFURBISHMENTS)	EMP14	<input type="checkbox"/>	25	31/07/2014
TARGET	OBJECTIVE			
ZERO EMISSIONS OF R22 REFRIGERANT	EFFECTIVELY CONTROL THE ENVIRONMENTAL IMPACTS OF FACILITIES MAINTENANCE			
PERFORMANCE INDICATOR	Responsible person(s)			
Absolute emissions of Ozone-depleting substances, kg CFC-11 equivalent.	Richard Wilkin			
Notes	Andrew Burbidge			
BUILT ENVIRONMENT (INCLUDING CAMPUS DEVELOPMENT AND REFURBISHMENTS)	EMP15	<input type="checkbox"/>	10	31/12/2012
TARGET	OBJECTIVE			
ALL NEW BUILD PROJECTS TO ACHIEVE BREEAM EXCELLENT	EFFECTIVELY CONTROL THE ENVIRONMENTAL IMPACTS OF CAMPUS DEVELOPMENT AND REFURBISHMENTS			
PERFORMANCE INDICATOR	Responsible person(s)			
All new build achieved BREEAM excellent.	Andrew Burbidge			
Notes				
Refurbishment BREEAM model expected early 2012, target will be set once this has been reviewed.				

Impact Area	Target ref	Completed	% Complete	Target Date
<p>EDUCATION FOR SUSTAINABLE DEVELOPMENT</p> <p>TARGET</p> <p>MAP EXISTING PROVISION AND ESTABLISH DISCIPLINE SPECIFIC 'ROUTE MAPS'</p> <p>PERFORMANCE INDICATOR</p> <p>Research reports and route maps reviewed by Sustainability Board</p> <p>Notes</p> <p>We will develop and implement a formal ESD strategy by December 2013</p>	EMP16	<input type="checkbox"/>	20	31/12/2012
	OBJECTIVE			
	EMBED SUSTAINABILITY INTO TEACHING, LEARNING AND RESEARCH			
	Responsible person(s)			
	Stefi Barna			
<p>EMISSIONS TO AIR</p> <p>TARGET</p> <p>REDUCE kgCO2e FROM DIRECT EMISSIONS (SCOPE 1 AND 2) BY 11% (ABSOLUTE EMISSIONS) OVER 2008/9 LEVELS</p> <p>PERFORMANCE INDICATOR</p> <p>kgCO2e , kgCO2e/s/a, Final target 35% over 1990 levels, 19,317 tonnes CO2e by Jul 2015</p> <p>Notes</p> <p>2008/9 baseline - 22,977,000 kg CO2e 2009/10 - 23,485,000 kg CO2e 2010/11 - 23,101,000 kg CO2e 2011/12 (Aug to Jan) shows a 12% reduction on 2010/11 - actual reduction of CO2e of 1,580 tonnes</p>	EMP17	<input type="checkbox"/>	50	31/07/2012
	OBJECTIVE			
	MINIMISE CONSUMPTION OF ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES			
	Responsible person(s)			
	Richard Bettle			
<p>EMISSIONS TO AIR</p> <p>TARGET</p> <p>GENERATE AT LEAST 70% OF ELECTRICITY USED ON THE MAIN CAMPUS AVERAGED OVER EACH ACADEMIC YEAR</p> <p>PERFORMANCE INDICATOR</p> <p>% energy (electricity and heat) generated on campus, gigajoules heat and electricity generated</p> <p>Notes</p> <p>currently around 60%, actual data awaited</p>	EMP18	<input type="checkbox"/>	60	31/07/2015
	OBJECTIVE			
	MINIMISE CONSUMPTION OF ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES			
	Responsible person(s)			
	Richard Bettle			
<p>EMISSIONS TO AIR</p> <p>TARGET</p> <p>REDUCE ELECTRICITY USED ON THE MAIN CAMPUS BY 15% COMPARED TO A 2008/09 BASELINE</p> <p>PERFORMANCE INDICATOR</p> <p>gigajoules electricity used</p> <p>Notes</p> <p>2008/9 baseline 121,883 GJ 2009/10 - 124,140 GJ 2010/11 - 125,276 GJ</p>	EMP19	<input type="checkbox"/>	0	31/07/2015
	OBJECTIVE			
	MINIMISE CONSUMPTION OF ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES			
	Responsible person(s)			
	Richard Bettle			
<p>EMISSIONS TO AIR</p> <p>TARGET</p> <p>REDUCE HEAT USED FOR HEATING AND HOT WATER BY 10% COMPARED TO A 2008/09 BASELINE</p> <p>PERFORMANCE INDICATOR</p> <p>gigajoules heat used</p> <p>Notes</p> <p>2008/9 baseline 141,520 GJ (total heat generated) 2009/10 - 147,140 GJ 2010/11 - 145,668 GJ</p>	EMP20	<input type="checkbox"/>	0	31/07/2015
	OBJECTIVE			
	MINIMISE CONSUMPTION OF ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES			
	Responsible person(s)			
	Richard Bettle			

Impact Area	Target ref	Completed	% Complete	Target Date
PROCUREMENT	EMP21	<input type="checkbox"/>	60	31/08/2012
TARGET	OBJECTIVE			
ACHIEVE FLEXIBLE FRAMEWORK LEVEL THREE IN ALL AREAS	MINIMISE CONSUMPTION OF NON-RENEWABLE AND ENVIRONMENTALLY SENSITIVE RESOURCES BY EMBEDDING INTEGRATED LIFE-CYCLE APPROACHES IN DECISION MAKING			
PERFORMANCE INDICATOR	Responsible person(s)			
Flexible framework level 3 achieved	Claire Hibbert			
Notes				
PROCUREMENT	EMP22	<input type="checkbox"/>	53	31/07/2012
TARGET	OBJECTIVE			
A MINIMUM OF 60% OF TOTAL CATERING FOOD SPEND ON SUSTAINABLE PRODUCE	MINIMISE CONSUMPTION OF NON-RENEWABLE AND ENVIRONMENTALLY SENSITIVE RESOURCES BY EMBEDDING INTEGRATED LIFE-CYCLE APPROACHES IN DECISION MAKING			
PERFORMANCE INDICATOR	Responsible person(s)			
% spend on sustainable produce	Paul Coleman			
Notes				
Dec 2011 baseline 45%				
SOLID WASTE	EMP23	<input type="checkbox"/>	40	31/07/2015
TARGET	OBJECTIVE			
70% LANDFILL DIVERSION OF UEA WASTE (excluding construction waste) OVER 2009/10 LEVELS	MINIMISE THE PRODUCTION OF WASTE THROUGH REDUCTION, REUSE AND RECYCLING			
PERFORMANCE INDICATOR	Responsible person(s)			
% diverted, (tonnes to landfill)	Andrew Watts			
Notes				
2008/9 baseline 30% (1014 tonnes to landfill), milestone targets of 10% per year 2009/10 - 35% (653 tonnes to landfill) 2010/11- 49% (625 tonnes to landfill)				
SOLID WASTE	EMP24	<input type="checkbox"/>	0	31/07/2015
TARGET	OBJECTIVE			
REDUCE kgCO2e EMISSIONS FROM UEA WASTE (excluding hazardous and construction waste) BY 48% OVER 2010/11 LEVELS	MINIMISE THE PRODUCTION OF WASTE THROUGH REDUCTION, REUSE AND RECYCLING			
PERFORMANCE INDICATOR	Responsible person(s)			
kgCO2e	Andrew Watts			
Notes				
2010/11 baseline - 2,123,000 kg CO2e				
SOLID WASTE	EMP25	<input type="checkbox"/>	100	31/07/2015
TARGET	OBJECTIVE			
85% LANDFILL DIVERSION OF UEA CONSTRUCTION WASTE OVER 2009/10 LEVELS	MINIMISE THE PRODUCTION OF WASTE THROUGH REDUCTION, REUSE AND RECYCLING			
PERFORMANCE INDICATOR	Responsible person(s)			
% diverted	Andrew Watts			
Notes				
2009/10 baseline - 68% 2010/11 - 85.5%				

Impact Area	Target ref	Completed	% Complete	Target Date
<p>SOLID WASTE</p> <p>TARGET</p> <p>100% OF FOOD WASTE SENT FOR COMPOSTING</p> <p>PERFORMANCE INDICATOR</p> <p>% food waste sent for composting</p> <p>Notes</p> <p>2010/11 38.9 tonnes (Aug - Jul) note: 59.83 tonnes composted in first 12 months of operation (Jan-Dec 2011)</p>	EMP26	<input type="checkbox"/>	40	31/07/2013
	<p>OBJECTIVE</p> <p>MINIMISE THE PRODUCTION OF WASTE THROUGH REDUCTION, REUSE AND RECYCLING</p> <p>Responsible person(s)</p> <p>Andrew Watts</p>			
<p>TRANSPORT</p> <p>TARGET</p> <p>ACHIEVE SINGLE OCCUPANCY CAR JOURNEYS; 52.8% STAFF AND 6% STUDENTS</p> <p>PERFORMANCE INDICATOR</p> <p>modal shift target achieved (modal shift is car travellers changing to rail, bus, walking, cycling, or not making a journey)</p> <p>Notes</p> <p>1998 baseline; 74% staff and 30% students 2009/10; 53% staff 13% students</p>	EMP27	<input type="checkbox"/>	60	31/07/2012
	<p>OBJECTIVE</p> <p>MINIMISE CONSUMPTION OF NON-RENEWABLE ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES</p> <p>Responsible person(s)</p> <p>Dawn Dewar</p>			
<p>TRANSPORT</p> <p>TARGET</p> <p>REDUCTION IN FLEET VEHICLE FUEL USE OF 35% OVER 2008/9 LEVELS</p> <p>PERFORMANCE INDICATOR</p> <p>% change in litres petrol and diesel used (also develop eco-efficiency metrics e.g. kgCO2e/business kilometre)</p> <p>Notes</p> <p>2008/09 baseline; 4,731 litres petrol, 12,930 litres diesel 2009/10 ; -15.5% (3,997 litres petrol) -6% (12,097 litres diesel) 2010/11; -5% (4,495 litres petrol) -4% (12,404 litres diesel)</p>	EMP28	<input type="checkbox"/>	10	31/07/2015
	<p>OBJECTIVE</p> <p>MINIMISE CONSUMPTION OF NON-RENEWABLE ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES</p> <p>Responsible person(s)</p> <p>Dawn Dewar</p>			
<p>TRANSPORT</p> <p>TARGET</p> <p>ESTABLISH BASELINE CARBON EMISSIONS FOR BUSINESS TRAVEL (paid for by UEA)</p> <p>PERFORMANCE INDICATOR</p> <p>Baseline established and reduction targets set (absolute and eco-efficiency metrics e.g. kgCO2e/business kilometre)</p> <p>Notes</p>	EMP29	<input type="checkbox"/>	50	30/04/2012
	<p>OBJECTIVE</p> <p>MINIMISE CONSUMPTION OF NON-RENEWABLE ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES</p> <p>Responsible person(s)</p> <p>Claire Hibbert</p>			
<p>TRANSPORT</p> <p>TARGET</p> <p>ESTABLISH BASELINE CARBON EMISSIONS FOR COMMUTING</p> <p>PERFORMANCE INDICATOR</p> <p>Baseline established and reduction targets set (absolute and eco-efficiency metrics e.g. kgCO2e/business kilometre)</p> <p>Notes</p>	EMP30	<input type="checkbox"/>	50	30/04/2012
	<p>OBJECTIVE</p> <p>MINIMISE CONSUMPTION OF NON-RENEWABLE ENERGY AND GROSS EMISSIONS OF GREENHOUSE GASES</p> <p>Responsible person(s)</p> <p>Dawn Dewar</p>			

Impact Area	Target ref	Completed	% Complete	Target Date
WATER AND SOIL TARGET REDUCTION OF WATER CONSUMPTION BY 10% PER STUDENT OVER 2008/9 LEVELS PERFORMANCE INDICATOR m3/s/a, % water saving Notes 2008/9 baseline; 26.88 m3/s/a 2009/10; 25.05 m3/s/a, -6.8% 2010/11; 25.45 m3/s/a, -5.3%	EMP31	<input type="checkbox"/>	50	31/07/2013
	OBJECTIVE			
	MINIMISE CONSUMPTION OF NON-RENEWABLE AND ENVIRONMENTALLY SENSITIVE RESOURCES BY EMBEDDING INTEGRATED LIFECYCLE APPROACHES IN DECISION MAKING			
	Responsible person(s)			
	Andrew Watts			
WATER AND SOIL TARGET REDUCE CO2e EMISSIONS FROM WATER AND WASTE WATER BY 10%/STUDENT/YEAR OVER 2008/09 LEVELS PERFORMANCE INDICATOR kg CO2e/student/year, % change Notes 2008/9 baseline 24.14 kg CO2e/s/a 2009/10 22.50 kg CO2e/s/a, -6.8% 2010/11 22.84 kg CO2e/s/a, -5.3%	EMP32	<input type="checkbox"/>	50	31/07/2013
	OBJECTIVE			
	MINIMISE CONSUMPTION OF NON-RENEWABLE AND ENVIRONMENTALLY SENSITIVE RESOURCES BY EMBEDDING INTEGRATED LIFECYCLE APPROACHES IN DECISION MAKING			
	Responsible person(s)			
	Andrew Watts			
EMERGENCY PREPAREDNESS AND RESPONSE TARGET ZERO RECORDED SPILLS AND FINES PERFORMANCE INDICATOR No. of spills, Incident reporting records Notes one spill in Feb 2011, max 5 litres	EMP33	<input type="checkbox"/>	0	31/12/2012
	OBJECTIVE			
	PREVENT POLLUTION AND APPROPRIATELY MANAGE ENVIRONMENTAL RISKS FROM ACCIDENTS, INCIDENTS AND EMERGENCIES			
	Responsible person(s)			
	Mike McCormack			
	Andrew Watts			

Less than 25%	Between 26% and 45%	Between 46% and 70%	Over 70%
			
Date passed	Within 3 months	Between 3 and 6 months away	Over 6 months away