

Climate Change Implementation Plan

Draft: 14 March 2006

Action 1: Reduce non-domestic Council CO2 emissions by up to 25% by 2010 (2005 baseline)

6 Months	Year 1	Year 2	Year 3	Year 4	Available Resources
Year One of energy audits of 8 (total over 3 years) Council buildings by Oxford Brookes Students	Examine outcomes of Year One energy audits and make recommendations for action	Year Two of energy audits of 8 Council buildings by Oxford Brookes Students – make recommendations for action Implement actions from Year One	Year Three of energy audits of 8 Council buildings by Oxford Brookes Students – make recommendations for action Implement actions from Year Two	Implement actions from Year Three	Possible resources from Building Maintenance Backlog works where energy conservation works can be included as part of a larger scheme (Fraction of) FTE Climate Change Officer (new)
Educate Leisure and Parks staff regarding energy use in buildings – “Turn it off”					
Alternative fuels being used/trialled	Continue and potentially expand use of alternative fuel vehicles	Continue and potentially expand use of alternative fuel vehicles			
Electric vehicles brought into use in Council	Electric vehicles in use				
Solar hot water for Hinksey Pool and Nursery	Consider expanding such pilot projects based on success and emission reductions				
Prudential borrowing study commissioned (£10K available)	Examination of results of prudential borrowing study and potential ways forward	Prudential borrowing release (potential)	Prudential borrowing funding (possibly) available	Prudential borrowing funding (possibly) available	

½ hourly monitoring project of 4 Council buildings (Town Hall + 3 leisure centres)	Examine monitoring data, make recommendations and develop plan for action	Potentially expand monitoring to additional buildings and implement recommended actions	Implement recommended actions	Implement recommended actions	
Energy record logging – consumption and cost data only	Examine monitoring data, make recommendations and develop plan for action	Implement recommended actions	Implement recommended actions	Implement recommended actions	
	Sustainable Institutions Group (2 universities, City, County & Oxford Inspires) conducting energy efficiency work	Sustainable Institutions Group further work in energy efficiency across four institutions			
	Green energy – renewal and possible expansion within OCC	Green energy retention in City Council	Green energy retention in City Council	Green energy retention in City Council	
	Cross-OCC work on recycling and PC use (i.e. switching off)				
	UKCIP adaptation work with Council	Explore implementation options for adapting to climate change based on UKCIP work			
	Possibility to apply to work with Carbon Trust to improve carbon management within OCC	Work with Carbon Trust to implement recommended actions	Implement recommended actions	Implement recommended actions	

Action 2: Raise awareness and understanding of climate change in Oxford

6 Months	Year 1	Year 2	Year 3	Year 4	Available Resources
Promote good practice and its benefits, including regular <i>Your Oxford</i> /Paper/Media messages and expanded use of intra/internet to promote messages related to climate change	Expand promotion of good practice and its benefits	Continue promoting good practice and its benefits			S&R Officer working part-time on sustainability initiatives, including energy and climate change
Oxford Solar Cities Congress to raise awareness of climate change amongst Oxford residents	Follow-up efforts to expand climate change awareness in Oxford				
	Save energy information leaflets for tenants (Council housing) - £10K committed	Information leaflets continued - £2K committed	Information leaflets continued - £2K committed		
	Defra climate change communications bid funding (potential) to raise awareness among businesses, residents and Council staff)	Defra climate change funding available for continued awareness raising (potential)			
		Oxford Inspires: "Climate Change, The Opportunity" event (possible)			
		HECA work to target homeowners	HECA work to target homeowners	HECA work to target homeowners	Existing HECA work – 1.5 FTE

Action 3: Improve energy efficiency standards of new developments

6 Months	Year 1	Year 2	Year 3	Year 4	Available Resources
Natural Resource Impact Analysis (NRIA) Supplementary Planning Document (SPD) final approval	Implementation of NRIA	Implementation of NRIA and support to applicants	Implementation of NRIA and support to applicants	Implementation of NRIA and support to applicants	1 FTE Planning Officer (Fraction of) FTE Climate Change Officer (new) (Fraction of) FTE Energy Officer
Cross-Business Unit work on NRIA and Affordable Housing SPDs, including support in holding to targets and assessment methodology	Cross-Business Unit support in monitoring and assessing planning applications				
	Development and implementation of award for Sustainable Buildings	Deliver Sustainable Buildings Award	Deliver Sustainable Buildings Award	Deliver Sustainable Buildings Award	5K allocated annually

Action 4: Increase uptake of low carbon systems among businesses and residents

6 Months	Year 1	Year 2	Year 3	Year 4	Available Resources
Use partnerships to encourage/influence other organisations, businesses and residents – OSP, SHOP, and others	Use partnerships to encourage/influence other organisations, businesses and residents – OSP, SHOP, and others	Use partnerships to encourage/influence other organisations, businesses and residents – OSP, SHOP, and others			(Fraction of) FTE Climate Change Officer (new) (Fraction of) FTE Sustainable Energy Officer (new) (Fraction of) FTE Energy Officer
Investigate financial and other incentives: potential for NNDR reductions, etc.					
	Oxford Solar Initiative for residents	Oxford Solar Initiative for residents			
	NRIA SPD to encourage use of renewable energy in new developments	NRIA SPD to continue encouraging use of renewable energy in new developments	NRIA SPD to continue encouraging use of renewable energy in new developments	NRIA SPD to continue encouraging use of renewable energy in new developments	
	Use biofuel in vehicles – “Awareness/practical issues/operations issues”	Consider options for biofuel expansion in Oxford	Expand biofuel use in Oxford		
		Investigate use of wood burning boilers/heaters, making use of wood waste from Parks work	Potential implementation of pilot projects	Pilot projects monitoring	

Action 5: Transform Oxford into sustainable city (Reduce CO2 emissions by 15% by 2010, based on 2005 emissions)

6 Months	Year 1	Year 2	Year 3	Year 4	Available Resources
Development of Energy Supply Company (ESCO) - £10K allocated	Option and feasibility study for Oxford ESCO	Development of ESCO - £50K allocated	Development of ESCO - £50K allocated		(Fraction of) FTE Climate Change Officer (new) (Fraction of) FTE Sustainable Energy Officer (new) (Fraction of) FTE Energy Officer
Private Sector Stock Working Group to explore ways to drive energy improvements and fuel poverty reduction	Use Private Sector Stock Survey to drive energy improvements and fuel poverty reduction – potential target audiences of elderly and HMO	Use Private Sector Stock Survey to drive energy improvements and fuel poverty reduction	Use Private Sector Stock Survey to drive energy improvements and fuel poverty reduction	Use Private Sector Stock Survey to drive energy improvements and fuel poverty reduction	
Wind turbine development for Oxford – feasibility assessment	Moving forward on wind turbine project based on feasibility assessment	Moving forward on wind turbine project	Moving forward on wind turbine project	Moving forward on wind turbine project	
	Car share scheme promotion across city	Car share scheme promotion across city			
	Workplace travel plan promotion – OCC and beyond	Workplace travel plan to encourage CO2 reductions in Oxford			
	Sustainable Institutions Group work on energy and climate change issues	Sustainable Institutions Group continued working			
	Voluntary energy efficiency and renewable scheme for tenants - £100K allocated	Voluntary energy efficiency and renewable scheme for tenants - £150K allocated	Use of showers, giving tenants options when fitting heating systems		
	Consider using life cycle approach to planning,	Consider using life cycle approach to			

	purchasing and operations	planning, purchasing and operations			
	Ongoing use of condensing boilers and controls, as well as insulation and solar hot water	Ongoing use of condensing boilers and controls, as well as insulation and solar hot water	Ongoing use of condensing boilers and controls, as well as insulation and solar hot water	Ongoing use of condensing boilers and controls, as well as insulation and solar hot water	
	Funds for free insulation - £250K over three years	Distribute funds for free insulation	Distribute funds for free insulation		

Requirements for effective action:

- Political and institutional commitment to climate change, including specific policy related to CO2 and a clear energy/climate change framework for OCC;
- Annual reductions in the Council's own CO2 and other greenhouse gas emissions and those of the city as a whole to become key performance targets for the Council;
- Replicable, consistent, independent monitoring of emissions in Oxford on year-to-year basis to ensure accurate performance management of City Council targets;
- Improved monitoring of Council emissions, coupled with publicity of targets and progress;
- Re-focusing of existing City Council resources, both in personnel and revenue, to implement the recommended actions from the OCCAP;
- Prediction of CO2 reductions for all planned climate change/energy work and development of proposals that promise greatest reductions for Oxford;
- Dedicated resources to monitor council energy use, as well as implement recommended changes based on existing audits and monitoring;
- Improved connectedness with businesses in the city, as well as with universities, to encourage change outside of City Council;
- Increased internal (i.e. OCC workforce) awareness raising and behavioural change related to climate change;
- Flagship projects within Oxford;
- Citywide coordination on climate change to monitor progress towards final recommendation – to reduce CO2 emissions in Oxford by 15% by 2010.

Immediate actions needed by CCAT:

1. Develop strategic energy/climate change framework for work within City Council (to encompass approach to energy and climate change issues that include current action and direction for future).
2. Define, in absolute terms, tonnes of CO2 to be reduced by 2010 by both City Council and across Oxford.
3. Define, in clear terms, baseline data set to be used to measure progress.
4. Predict impact (in CO2) for each identified action.
5. Identify potential actions with major impact for CO2 reductions in Oxford.

Areas of work to consider:

- Work on carbon emissions analysis for residents based on lifestyle (i.e. home/car/food/buildings, etc.)
- Challenges of meeting 20% renewable energy target through NRIA
- Promotion of car-free developments
- Make connections with OX1 City Centre Management and Oxford City Futures Steering Group to connect with businesses and examine strategic energy goals