

Committee:	Finance and Administration	Agenda Item 7
Date:	27 March 2008	
Title:	Carbon Management Programme - Implementation Plan	Item for decision
Author:	Jake Roos, Energy Efficiency Surveyor, UDC, 01799 510511	

Summary

1. As a result of the year long process of the Carbon Trust Local Authority Carbon Management Programme, a plan to reduce the council's direct emissions of carbon dioxide and also avoid and reduce energy related costs has been developed. This plan needs to be endorsed by the Finance and Administration Committee before it is delivered to the Carbon Trust

Recommendations

2. That the Implementation Plan be endorsed by the committee

Situation

3. The purpose of the implementation plan is to describe in detail our plan of action achieving a target of a 25% reduction in CO₂e (carbon dioxide equivalent) emissions by 2011-12.
4. In our baseline year of 2006-07 we emitted 3,290 tonnes of CO₂e and spent £832,000 on energy and carbon related costs, namely heating fuel and electricity for buildings, diesel fuel for fleet vehicles, and staff business travel.
5. Under a business as usual (BAU) scenario these costs will rise by 25% by 2011-12, and by 50% by 2015-16.
6. By implementing this plan (the reduced emissions scenario, RES) we may avoid this additional expenditure and reduce costs by 5% by 2011-12 and 9% by 2015-16.
7. The total 'value at stake' or cumulative avoided expenditure is £780,000 to 2011-12 and £2.4 million to 2015-16.
8. The cumulative avoided emissions from implementing this plan amount to 8,900 tonnes of CO₂e to 2015-16.
9. The plan consists of a range of energy efficiency and renewable energy projects in our buildings and vehicles, ranging from simple low or no cost measures such as staff awareness and driver training, to significant capital investments in technology such as biomass heating. There are

also enabling actions around staffing, governance, procurement, policy, monitoring and reporting.

10. Implementation of the plan has already commenced. Projects implemented so far will bring a projected saving of £30,000 per year in energy costs.
11. The Council budget for the 2008-09 financial year and the Council's capital programme are in line with the programme of spending set out in this document. This plan has been discussed with Salix Finance to seek their agreement in principle to further external funding on top of the £50,000 they have already agreed to. Other planned expenditure will contribute to achieving the target, and in some cases will need to be directed towards the lowest emissions options (e.g. replacement fleet vehicles)
12. The mechanism of ring fencing savings for reinvestment in the programme is already in operation and will ensure that the programme is self sustaining. Ring fencing savings is a condition of Salix funding.

Planned expenditure 2007 – 2012 to implement carbon management plan

Energy efficiency revenue budget	£ 17,000
Energy efficiency capital budget	£ 200,000
Costs covered from ring-fenced savings	£ 60,000
Costs covered by other budgets*	£ 162,000
<u>Salix funding</u>	<u>£ 167,000</u>
Total Estimated Expenditure	£ 606,000

*‘Costs covered by other budgets’ included here are for ‘virtualising’ the server room at the London Road Office, replacement boilers at Reynolds Court, and a biomass heating system for Holloway Crescent, should it be rebuilt. Costs for routine replacement of fleet vehicles, rebuilding the Thaxted Day Centre and electrical efficiency improvements at Holloway Crescent should it be rebuilt are not included, however these activities are part of this plan.

Background Papers

The Carbon Management Programme - Strategy and Implementation Plan which is attached to this report.

Risk Analysis

Risk	Likelihood	Impact	Mitigating Actions
Key staff depart	Medium	High	Undertake general actions to improve staff retention. Act quickly to reappoint should staff leave. Arrange a hand-over period if possible
Some projects when developed	Medium	Medium	Continuously work to identify additional projects - adjust

turn out to be non-viable			programme to ensure the best projects are developed and the overall target is met
Changes to how the council operates has negative implications for the council's carbon footprint	Medium	Low/medium /high (depends on the change in question)	Develop energy management and sustainable procurement policies and integrate into decision making processes, ensure the carbon management team is consulted on key decisions
See plan for full risk analysis of individual projects			