

Climate Change Board – 12 March 2008

Agenda item 4 - Climate Change Action Programme Highlight Report No. 3

Programme Highlight Reports are a feature of PRINCE2 methodology. They are one way to help the Board oversee the implementation of the Climate Change Action Programme, review progress, and intervene as appropriate in pursuit of climate change goals. In suitably adapted form, they are a good way of communicating progress to interested parties beyond the Board, and will be placed on the Council's Climate Change web pages.

Reference numbers are those used in the Action Programme and updates are presented in the order in which the projects appear in the Programme. The Programme is available in full on the Council web site (Environment/Climate Change).

1. **Temporary staff appointments boost resources for Action Programme (G3)**
 - 1.1 Job offers have been made for the two Climate Change Project Officer posts to be funded for one year from the Climate Change Board Fund.
 - 1.2 It is intended that both should start work early in April.
2. **Climate Change workshop for Asset Managers (EM1)**
 - 2.1 A 'Climate Change Property Workshop' took place on 9 January. Organised by Asset Manager Julie Basford, it was designed for all Departmental property officers and key staff from Property Services Division. It was well attended and all Departments were represented.
 - 2.2 The next step is to complete the collation of the responses to the questionnaires that featured in and as a follow-up to the workshop. The results will be taken to Asset Management Group for further discussion and the conclusions reached there will be taken into account in relation to policies and procedures.
 - 2.3 Already, the thinking that went into the workshop has helped bring about changes. For the Disposal Programme for land and other property, environmental implications have been built into the option appraisals. This could result in for example the attaching of suitable conditions about future development of land. Presentation of the business case for all new capital bids now includes a section on 'impact on the environment' that covers carbon emissions. Impacts are scored, and If the proposal has a negative score the proposer must consider how this impact can be reduced or offset.
3. **Staff Travel Plan survey work completed to timescale (EM3)**

3.1 The employee travel survey has been completed and as the key next step staff are now analysing the data. The outcomes of the analysis will inform the preparation of the Council's Travel Plan Action Plan. The broad intention is to launch a Green Travel to Work Scheme and a closely related Cycle to Work Scheme later this spring, in line with the original target dates for the project.

3.2 It is proposed that Human Resources Consultant (Travel Planning) Karen Jewell will make a presentation about the project to the Board's next meeting, scheduled for June.

4. **Green IT – Central IT Team's detailed report highlights good progress (EM4)**

4.1 The Central IT Team have prepared a detailed report on the good progress the Council is making on the Green IT project. It can be accessed from the Climate Change Board papers on the Climate Change Action web page - see [Item 8](#)

4.2 The project is aimed at reducing the amount of energy used in running the Council's IT equipment. This will include using fewer and more energy efficient servers and purchasing modern energy efficient computers. It will also explore wider opportunities for home, flexible and remote working.

4.3 The report gives an update on some important initiatives taken to date, and reviews current initiatives. The latter category includes replacing conventional screens (CRT - cathay ray tube) with flat screens (TFT – thin film transistor flat screens), as typically an old 17" CRT screen uses three times more power than a 17" TFT screen. It includes Energy Efficient IT Procurement. In conjunction with Capita, the Team is review and revising standard specifications for energy efficient desktop devices.

4.4 The Team report that a survey in relation to the automatic switch off of desktop PCs at night has shown that the potential for energy savings is 'only marginal' as 90% of PCs are switched off at night by users. Very positive example that employees are energy conscious, the Team concludes.

4.5 Potential future initiatives identified in the report include rationalisation of desktop printing, replacing the standard desktop with a 'thin-client' desktop system, and reviewing our PC recycling and disposal policy. The aim of the recycling review is to ensure effective reuse and/or recycling of redundant equipment, potentially featuring community use of recycled equipment.

4.6 These and more initiatives are described in the progress report. What is clear is that 'Green' IT will make a real contribution to the reduction of the Council's carbon footprint. The Central IT Team have promised regular progress reports, which will be a valuable element in monitoring process with the Climate Change Action Programme.

5. **Reducing the carbon footprint of local schools (EM5)**

5.1 As an additional action under this heading, the Carbon Trust has been given details of 9 schools and has tendered 3 consultants to provide surveys,

reports and staff awareness development and a 'Train the Trainer' programme. A consultant will be selected by the end of March, to start work after the Easter holidays. This work will be at no cost to the Council.

6. Reboiling and Combined Heat and Power Project at Queen's Leisure Centre (EM6)

- 6.1 Initial feasibility shows the project to be viable. Detailed feasibility study and design are programmed for the next financial year with implementation in late 2008 / early 2009 so long as the detailed feasibility study shows a suitable payback level.

7. 'Fuelstretcher' at the Council House (EM7)

- 7.1 Fuel stretcher is a boiler control device that optimises boiler performance. The order for the Council House work was placed in February. A potential asbestos hazard in the Council House boiler room has been identified and there is concern that this may delay the project. A meeting between the installer, the asbestos manager and the Energy Manager is being arranged to look into the issue.

8. Perth Street Project (EM8)

- 8.1 A complete revamp of the site is intended, to improve its energy performance and make it a 'model' site. The installation of profiled panels behind the radiators has been completed. A financial and carbon case is being prepared for all other work by the end of March to enable funding to be sought. The financial case is expected to show a very long term payback.

9 Energy surveys of 'energy poor' Council buildings (EM9)

- 9.1 Although there are difficulties with the TEAM Bureau data collection (see EM 15), documentation for the appointment of consultants will be prepared by the end of April. The aim is that the rolling survey programme will be completed by the end of 2008.

10. Insulation Programme (EM10)

- 10.1 So far, roof insulation work at Aged Persons Homes has been scheduled for one site – Perth House. The property is currently being refurbished and the insulation work will be done at the end of the refurbishment contract (April). Other sites including Social Services sites will be targeted for roof and cavity wall insulation with the end of July as the target for completion.

11. Tumble Drier Replacement Project (EM11)

- 11.1 Orders for the work, driers and gas supply will be raised for Perth House before the end of March. The remaining three sites, Warwick, Arboretum and Coleridge Houses will be surveyed by the end of April with installation expected by the end of July.

12 Pump Replacement Project (EM12)

- 12.1 The order for the work at Moorways Leisure Centre has been placed and the work is programmed for Easter.

13 Lighting Refurbishment Project (EM13)

- 13.1 The projects at St Mary's Gate and the Local Studies Library have been held in abeyance in view of the development of the Council's Accommodation Strategy. It is doubtful that other projects could comply with the Carbon Trust's conditions of a five year payback period and a saving of £175/tonne of CO₂, so the next step is to examine the case for funding through prudential borrowing.
- 13.2 Exceptions that comply with the Carbon Trust criteria are the lighting control proposals for Chapel St and Bold Lane Car Parks, and these are being examined.

14 Voltage Optimisation Project (EM14)

- 14.1 This involves the installation of 'Powerperfector' technology that reduces energy consumption by reducing the electrical voltage. The Moorways Leisure Centre installation is complete. Annual savings are approximately 10% or £8,000 and approximately 50 T CO₂. An order has been raised for work at the Pride Park water treatment plant and installation will take place by the end of May.

15 TEAM Bureau (EM15)

- 15.1 The purpose of this project is to ensure the accuracy of all electricity and gas bills, providing the raw data to monitor and interrogate energy costs and consumption figures. Unfortunately, TEAM Bureau are encountering serious problems with one of the utility suppliers. The supplier is not providing the data in the required format despite the fact that the format is well known and well used. TEAM are pursuing the supplier. If a solution is not reached by the end of March a meeting with TEAM and the supplier will be called to resolve the issue.

16 Planning workshop prompts valuable discussions (SP2)

- 16.1 The Programme includes 'a workshop session with key employees to identify the carbon reduction and adaptation opportunities that can be developed through the City's Local Development Framework'. For the session, chaired by Assistant Director – Regeneration Richard Williams, this was broadened to 'through the City's Town Planning processes'. The workshop took place on 29 February, meeting the timescale set in the Action Programme.
- 16.2 The discussions covered all four of the projects within the 'Planning for a greener city' section of the Programme, and looked at the relationships between them and how they can best be taken forward. New actions were identified, and these will be brought forward to the Board when the Climate Change Action Programme is reviewed at the meeting in June. Workshop notes will be prepared and placed on the Climate Change Board section of the Climate Change web page as soon as they are available.

17. Derby 7Cs Conference marks successful project completion ... and the start of a new phase of partnership working at city level (CL1)

- 17.1 Organising a conference to share the lessons learnt from the 7Cs project is a specific action within the Action Programme. The conference took place on Thursday 14th February at the Rolls-Royce Learning and Career Development Centre. Chaired by Cllr Chris Williamson, speakers included representatives of the University of Derby, Derby College, Bombardier, Rolls-Royce and Defra, the government department that funded the Derby 7Cs initiative. Over 80 delegates attended the successful half-day event.
- 17.2 Following presentations from partners about their experiences of the project and presentation on the methodology and key findings from the research exercise, delegates took part in break-out discussion groups. The group discussions were a further opportunity for delegates to learn from each other. The main conclusions from these discussions were reported to delegates as part of the Conference's final session.
- 17.3 They included the view that to be sufficiently effective communications programmes need buy-in and positive resourcing from the organisation's senior management. Ideally, the communications should be from and through a corporate management framework that is embedded within the organisation. Communication across the board to people at all levels was identified as an important factor for success. The project was judged to have boosted corporate cultural change in terms of acknowledging the importance of climate change within corporate activities and mission. The principles of partnership networking, sharing and learning from each other were enthusiastically endorsed.
- 17.4 The responses underlined the appetite and enthusiasm to move forward from the 7Cs attitudinal change to behavioural change campaigns. Six of the original partners have made financial contributions to allow the 7Cs support worker post to be extended for six months, to allow the post to develop the 7Cs work and to ensure that a sustainable exit strategy is properly delivered.
- 17.5 In an email in response to the conference Tom Powell, the Defra officer responsible for overseeing projects under this initiative, was very positive. He said, "I thoroughly enjoyed the day and was very pleased by the wide ranging reach of the project - not many of our projects focus on businesses and their staff and I feel that 7Cs has done it perfectly - also great news about the lasting legacy and the fact that the partner organisations are keen to carry on. Everyone was itching to move on to changing behaviour!!"
- 17.6 More information about the conference is available on the [Derby 7Cs web page](#).

18. Climate Champions workshop details (E1)

- 18.1 The first edition of C-CHANGE, the Council's internal climate change e-zine, reported on the Champions' successful workshop that took place at the beginning of February. [Notes from the workshop](#) are now available. They're on the Climate Change Action web page under the heading of 'Derby City Council Climate Champions'.

19. **European Energy Display Certificate ‘Display’ Programme (E6)**
- 19.1 The intention is to create large energy performance posters for all of the Council’s main buildings. Consultants have asked for prices to provide the certificates / posters. The government is holding back on the implementation of this programme until 1 October.
20. **Introduction to Local Councils and ESCOs (Energy Service Companies)**
- 20.1 The corporate Climate Change Action Programme is scheduled for review at the Board’s meeting in June. Although not within the Programme as agreed by the Board, a high profile item for consideration for inclusion that has emerged in discussions is ‘explore the creation of a local energy generation company’.
- 20.2 A paper has been prepared as a first step in this exploration. It’s available on the Climate Change Action web page within the background information section, under the heading [Introduction to Local Councils and ESCOs](#)
- 20.3 ESCOs, or Energy Service Companies, are defined as businesses that develop, install, and finances projects designed to improve energy efficiency, usually featuring sustainable energy sources. There are two basic types of renewable energy ESCOs.
- Companies that generate and sell energy to fund energy efficiency measures in the local community (Woking provides an example).
 - Companies that produce and distribute an energy service to the local market as a normal commercial operation. (Example – Kirklees).
- ESCOs also vary based on the balance of public / private sector involvement. The paper looks at a range of examples of such companies and identifies at some of the lessons that can be learned from the experiences of other Councils.

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