

**HOME ENERGY CONSERVATION ACT 1995
NINTH PROGRESS REPORT (2005)
FOR THE PERIOD 1 APRIL 2004 TO 31 MARCH 2005**



Please complete this form in full and return it and one copy to your Government Office **no later than 30 September 2005**. Before completing this form you should read the accompanying guidance.

Pagination in this version of the form, designed for completion on a PC, differs from that of the printed form. The spaces should expand to accommodate the necessary information – but it would be appreciated if the completed form did not extend beyond a total of 8 pages. Please do not edit the existing text.

The name and details given here will be taken by Defra as the HECA “lead officer” contact. Completing this section indicates that you have read the section of the accompanying guidance headed “Data Protection Act 1998 – Fair Processing Notice” (paragraphs 6-10), which gives details of Defra’s processing of the data that you have provided on this form.

| | | | |
|---|--|-------------|--------------|
| Name | Sam Griggs | | |
| Job Title/Department (as appropriate) | Home Energy Officer / Technical Services | | |
| Authority | Cambridge City Council | | |
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1. Have there been any changes to the following elements of your authority’s Home Energy Conservation Act (HECA) strategy in the period covered by this report?

Please summarise elements of the energy conservation report prepared in 1996 (your “HECA strategy”) in the first column of the table below, taking account of any amendments made to the strategy up to and including 31 March 2004. Changes made prior to this date will already have been recorded by Defra from information you have provided. However, if any changes have been made

between 1 April 2004 to 31 March 2005, please tick the relevant “Yes, changes” box(es) and enter the new figure(s) in the final column. If there have been no changes, please tick the “No change” boxes. Refinements to strategies may be necessary from time to time, but fundamental changes to the original strategy are not anticipated. Please explain any changes.

| | HECA strategy up to 31 March '04 | No change since 1 April '04 | Yes, changes since 1 April '04 | New figures following changes since 1 April '04 |
|--|----------------------------------|-----------------------------|--------------------------------|---|
| a) Overall energy efficiency improvement identified | 48% | X | | per cent |
| b) Number of years to implement the measures identified | 15 years | X | | Years |
| c) Total cost of implementation of all measures | £78.5 million | X | | £ Millions |
| d) CO ₂ reduction per annum as a result of all the measures identified | 17128 tonnes | X | | Tonnes per annum |
| e) Indicate the 1 April 1996 baseline energy use (in GJ) against which energy efficiency improvements are being measured | 6,811,004 GJ | X | | GJ |

| | |
|---|--|
| Reasons for any changes identified above: It would be helpful if you could provide details of how development of your strategy has been taken forward. | |
|---|--|

2. Are you monitoring changes in the energy efficiency of the housing stock in your area, in order to be able to report progress as required by HECA? YES NO

If you answered "Yes", please describe briefly:

- (a) the methodology used to monitor progress, listing the main data sources
- (b) how you are monitoring the success of activities designed to promote energy efficiency

If you answered "No", please give reasons.

Methodology used to monitor progress and success of information, advice, education and promotion activities

During the reporting period the Officers' post responsible for HECA was filled on a part time basis. The current post holder Sam Griggs commenced his role in May 2005 after the completion of the reporting period. This is now a full time post but there will be obvious deficiencies with the reporting of this period.

The quality of information collected for the Local Authority housing sector is obviously the most reliable. All work programmes carried out in the Council owned stock are recorded into the Maxim S2000 energy database system. Because we are directly responsible for any work carried out in this sector the feedback we obtain is very reliable and comprehensive. With the stock condition surveys now being carried out under the Decent Homes programme this data will only improve.

Information on the private housing sector is intrinsically harder to obtain. Home Energy Checks or general housing information are collected by Environmental Health Housing Standards Officers. This information is then collated via the DACS system at West Anglia Energy Efficiency Advice Centre (WAEEAC). The Home Energy Checks are also collected during promotional work and from responses to media exposure. This data is processed in the same way.

The housing department at Cambridge City Council enter all available data streams into the energy database system – this includes information on energy efficiency work carried out under the HEAT Project and WarmFront scheme.

Regular feedback is also gained from external organisations (i.e. WAEEAC and the HEAT project) over the number of telephone calls they are receiving following adverts being placed.

Very good feedback is received from the Primary Care Trust (PCT) for all activities undertaken with them.

3. It is helpful for Defra to be able to judge the extent to which the HECAMON software (Version 3, issued by Defra in April 1999 and updated in April 2001) is used each year. Therefore, please would you indicate whether or not you used the software when collecting and collating the data to enable you to complete this form?

Postal Telephone Both HECAMON not used

4. Please briefly describe in part a) all activities that are specifically designed to assist in the development and achievement of your HECA strategy. For both parts a) and b) it would be helpful if you could include details of how these activities address the following points:

- Obtaining corporate commitment / Integration of strategy with other council policies
- Any barriers and how these have been addressed
- Information, advice, education and promotion activities / Making grants and loans
- What linkages you have with energy efficiency schemes such as Energy
- Efficiency Commitment and Warm Front
- New and innovative approaches

In part b) describe new activities you expect to **commence in the 2005/06 financial year.**

| a) activities in 2004/05 financial year | | | |
|--|--|---------------------------------------|--|
| Activity | Who is involved? | Partners' contribution (£) in 2004/05 | Will this continue into 2005/06? |
| Energy Efficiency paper highlighting the current status of Home Energy within Cambridge City and identifying desired development. | LA, Elected Members | - | Full-time Home Energy Officer started May 2005 |
| Council stock insulation programme. | LA, Powergen (EEC funding), Osborne Energy | c. £25,000 | Yes |
| Claiming of EEC funding for the installation of condensing boilers and fuel switching under the Council stock heating system / boiler replacement programme. | LA, Powergen (EEC funding), Contractor | c. £20,000 | Yes |
| Regional HEON Forum – regular attendance at meetings and improved networking with other local officers. | LA, HEON, GO East, EST | c. £20,000 | Yes |
| HEAT Cambridge Project – insulation grants (for loft and cavity wall) for the private sector. | LA, Enact Energy | c. £5000 (insulation grants) | Yes |
| Targeted promotional work – local papers/ media, energy saving week. | LA, WAEEC | c. £10,000 | Yes |
| Service Level Agreement with WAEEC to provide impartial energy efficiency advice to local householders. | LA, WAEEC | c. £4,000 | Yes, subject to funding |
| Comfort Zone advertising – promoting of the WAEEC and available insulation grants. | LA | c. £2,000 | Yes, subject to funding |
| Affordable Warmth – worked with South Cambs DC and the local PCT to improve delivery of the home energy message and reduce fuel poverty | LA, PCT, Age Concern | c. 15,000 | Yes, improved |

b) activities planned in 2005/06 and not mentioned in a) above

| Activity | Who is involved? | Partners' contribution (£) in 2005/06 | Will this continue into 2006/07? |
|--|--|---------------------------------------|---|
| Increased working relations with the Cambridge Environmental Resource Centre – energy efficiency displays; energy advice drop in 'surgeries'; combined marketing with relevant programmes. | LA | | Yes |
| Increased monitoring of existing energy efficiency installations. | LA, Apollo, City Services | | Yes |
| Insulation work to be improved on solid wall properties. Barriers to this work have included the relative cost of solid wall insulation and lack of monitoring of previous installations. | LA, Apollo, City Services, contractors | | Yes |
| Provision of energy information packs and energy efficient lighting to all void properties within the council housing stock. | LA, Apollo, City Services | | Partly dependent upon EEC funding |
| Increased uptake of renewable domestic technologies – barriers have included cost and lack of knowledge regarding potential and grant funding. This will be overcome with test cases to illustrate council backing and potential benefits. | LA, EST, Clear Skies | | Partly dependent upon future of Clear Skies |
| Production of an affordable warmth / fuel poverty strategy in conjunction with the PCT. This will hopefully include a referral scheme to target those most in need of energy efficiency work. | LA, PCT, Enact Energy | | Yes |
| Ensure that home energy efficiency is seriously considered in future housing strategies. | LA | | Yes |
| Improve working relationships within the City Council to establish energy efficiency contacts and ensure a coordinated approach to work. | LA | | Yes |
| Improve working relationship with Home Aid department to ensure relevant grant funding is secured when required for work programme. | LA, Home Aid | | Yes |
| Improve working relationship with Environmental Health department to help ensure data collection on stock condition is carried out and of use. | LA | | Yes |
| Improve working relationship with Building Control department to help drive through energy efficiency improvements in the private sector. | LA | | Yes |
| Increased attendance at local flu campaign clinics to promote energy efficiency to elderly people and increase awareness of energy efficiency grant schemes. | LA, PCT | | Yes |

5a. Does your authority have an affordable warmth/fuel poverty strategy?

YES NO

5b. If you answered no to question 5a, do you have plans to develop an affordable warmth/fuel poverty strategy?

YES NO

5c. If you answered yes to question 5a or 5b, please briefly describe below how you are taking forward or planning to take forward a fuel poverty/affordable warmth strategy and advise on successes to date, key partners and anticipated future developments, with a particular emphasis on private sector housing stock.

There is currently no fuel poverty / affordable warmth strategy in place.

During this reporting period regular meetings have been held with the local Primary Care Trust (PCT) in order to maintain the good working partnership the council has with them and to further develop the various mechanisms for uptake of energy efficiency measures in the private sector.

We are currently drafting an initial strategy that will be discussed in more depth at the upcoming PCT Affordable Warmth meetings. It is scheduled to be a shared strategy between Cambridge City Council and South Cambridgeshire District Council, with joint principles but separate action plans. The various outcomes / performance indicators of the strategy are being developed.

6. Please indicate below, for the period 1 April 2004 to 31 March 2005, the percentage improvement in energy efficiency recorded for each of the four housing sectors shown. In each case, please also indicate the resulting

annual reduction in CO₂ emissions and the costs involved. If you do not have the information available by sector, please ensure that you provide overall totals for each column in the table below.

| Sector of housing | % improvement in energy efficiency achieved in 2004/05 | Reduction in CO ₂ emissions 2004/05 (tonnes) | Cost of the measures in 2004/05 | |
|--|--|---|-----------------------------------|-------------------------|
| | | | Cost to your authority £ millions | Overall cost £ millions |
| Total for each sector April 2004 to March 2005: | | | | |
| Owner/Occupied | | | | |
| Local Authority | 2.5 | 3863 | 0.5 | |
| Private Rented | | | | |
| Housing Associations | | | | |
| OVERALL TOTAL FOR HOUSING, APRIL 2004 TO MARCH 2005 | | | | |
| | 1.2 | 2998 | 0.5 | |
| Any qualifying comments on the figures should be included here: | | | | |
| <p>As noted in previous HECA reports, we have had considerable problems ascertaining reliable improvement figures due to the software we currently use for our energy database. Research into possible alternatives to the MAXIM S2000 software is ongoing – we hope to have a more useful and reliable program in place in time for the start of the next reporting period. This software will allow us to automatically update housing improvement works with the council stock and therefore also provide more time for updating private sector upgrades. Due to these ongoing energy database issues the figures quoted in this report are estimated based upon reported improvement works in almost solely council stock and will be checked and potentially altered when the new software is in place. This is also the reason for a lack of individual tenure breakdown in the above figures.</p> <p>The new software should also allow us to produce a clearer picture of where we currently stand with regards to energy efficiency improvements and reduction of carbon dioxide emissions. Whilst we realise that the figures quoted in this and some previous reports are mainly based on a fairly low sample and are probably not particularly reliable, we are making every effort to ensure that next years results show a much more true picture of the current energy efficiency of the domestic housing stock in Cambridge.</p> <p>It should be noted that as the improvement figures shown in this report are based on limited sample size the true assessment of current energy use may well prove to be better. In many ways the figures shown indicate the worst-case scenario.</p> | | | | |

7. Please indicate at (a) the annual percentage improvement (i.e. the reduction in consumption in GJ based on standard occupancy reported in each of the previous progress report periods and, at b) the overall progress recorded up to 31 March 2005. Please add any supplementary information below.

Please note that the figure entered at (b) will NOT be a sum of the figures entered at (a). Please see paragraph 26 of the accompanying guidance.

| | |
|---|---------|
| (a1) Progress reported between 1 April 1996 and 30 June 1997 (1 st progress report) | 2 % |
| (a2) Progress reported between 1 April 1997 and 31 March 1998 (2 nd progress report) | 3 % |
| (a3) Progress reported between 1 April 1998 and 31 March 1999 (3 rd progress report) | 1 % |
| (a4) Progress reported between 1 April 1999 and 31 March 2000 (4 th progress report) | 1 % |
| (a5) Progress reported between 1 April 2000 and 31 March 2001 (5 th progress report) | 2 % |
| (a6) Progress reported between 1 April 2001 and 31 March 2002 (6 th progress report) | 1.72 % |
| (a7) Progress reported between 1 April 2002 and 31 March 2003 (7 th progress report) | 19.3 % |
| (a8) Progress reported between 1 April 2003 and 31 March 2004 (8 th progress report) | 3.8 % |
| (a9) Progress reported between 1 April 2004 and 31 March 2005 (this progress report) | 1.2 % |
| (b) Overall improvement in energy efficiency from 1 April 1996 to 31 March 2005 | 35.02 % |

Any qualifying comments or supplementary information should be included here:

The installation of a new energy database should help to ensure more reliable improvement figures. At the present time it has not been possible to make any alterations to the above figures – reported progress between 1 April 2002 and 31 March 2003 will continue to be investigated but emphasis will be placed upon ensuring future figures are more reliable and reflective of the true situation.

It should be noted that the reported improvement figure of 1.2% is based almost exclusively on improvements made to the Local Authority housing sector and therefore is not a true reflection of the actual situation. Improved figures will become available with the new energy database software.

Whilst the overall improvement in energy efficiency from 1 April 1996 to 31 March 2005 has been calculated by incorrectly adding the annual figures, it has been decided to be consistent rather than attempt to rectify previous reporting inaccuracies. An attempt to analyse the overall improvement in energy efficiency will be made utilising the new software and will hopefully be included in next year's report.

Before returning this form to your Government Office it must be authorised by the Chief Executive of your authority.

I confirm that I have seen and agreed this report of the progress made by this authority to implement its energy efficiency report as required under the Home Energy Conservation Act 1995.

Signature, Chief Executive

Name

Authority

Cambridge City Council

date