

**HOME ENERGY CONSERVATION ACT 1995
SEVENTH PROGRESS REPORT (2003)
FOR THE PERIOD 1 APRIL 2002 TO 31 MARCH 2003**



Please complete this form in full and return it and one copy to your Government Office no later than **29 August 2003**. Before completing this form you should read the accompanying guidance.

Data Protection Act

In order to process this report we may need to disclose the information we receive from you to others including our authorised agents, other Central Government Departments and other public bodies. We may also keep your name and address

on a list that will be used for future exercises on related topics. Occasionally, we receive requests to provide various organisations and companies with a list of HECA contacts. No one will be given a copy unless we feel it would be in your interests. **However, if for any reason you do not wish your name and address to be included if and when the database is provided to others, please indicate this clearly.**

The name and details given here will be taken by DEFRA as the HECA "lead officer" contact

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Job Title/Department (as appropriate)	Home Energy Efficiency Officer		
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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 2002. 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 2002 to 31 March 2003, 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 '01	No change since 1 April '01	Yes, changes since 1 April '01	New figures following changes since 1 April '01
a) Overall energy efficiency improvement identified	29.8%	√		per cent
b) Number of years to implement the measures identified	15	√		Years
c) Total cost of implementation of all measures	£133,653,000	√		Millions
d) CO ₂ reduction per annum as a result of all the measures identified	230,242 tonnes	√		Tonnes per annum
e) Indicate the 1 April 1996 baseline energy use (in GJ) against which energy efficiency improvements are being measured	11,740,190 GJ	√		
Reasons for any changes identified above:	N/A			

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

1. Council Housing

A sample energy efficiency audit of one thousand, seven hundred and twelve properties of the Council's housing stock was surveyed. The information was subsequently entered onto the ProBase Database Management System. This is a system, which holds a unique record for every individual property yet enables you to look at the energy efficiency of large numbers of properties all at once.

Through the continued use of the ProBase Database Management System, Brighton and Hove City Council will be able to look at the effectiveness of various improvement options and aid in the planning of maintenance programmes by applying measures where they are most needed and prove most cost effective.

The average values stated in this report were calculated from the raw data for the individual properties, and were not been rounded down.

The survey was carried out in accordance with the DETR's local house condition survey guide.

The main sources which are being used to update the database include:

- a) Planned Maintenance Programmes, which currently includes the installation of energy efficient (condensing boilers and TRVs) gas central heating systems, upgrading of loft insulation, cavity and external wall insulation, double glazing etc. These are being packaged together where possible to produce combined measures for achieving the desired targets.
- b) Information recorded during scheduled servicing is being used to identify data relating to space and water heating systems, controls, fuel and levels of insulation.
- c) Consultation with Tenants/Leaseholders of intended measures over a ten-year period has been undertaken. Questionnaires and representative monitoring groups has provided feedback for monitoring purposes. The Council Tenant Liaison Officer has contacted tenants following the installation of gas central heating to ensure the contractor has provided correct advice on using time clocks and TRVs etc.
- d) Information received from planned maintenance works. Specification of works include the need for contractors to submit supplementary information on insulation measures, such as heating contractors identifying the level of loft insulation when working on water storage tank.
- e) Questionnaires sent out in response to tenant requests for improvements include tick boxes relating to current levels of energy efficient measures.

2. Private Sector Housing & Housing Association Stock

Energy efficiency data continues to be collected from a number of sources including the house renovation grant programme, Eaga, the utilities and the Energy Efficiency Advice Centre.

HECAmon.

A HECAmon telephone survey has been used as the main source of data used to determine the increase in energy efficiency across all sectors during 2002 – 2003.

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. Include:
- what you are doing as an authority to deliver information, advice, education and promotion in relation to energy efficiency to all households in your area, and who is involved (this may be external partners, or staff from another Department)
 - joint activities with external partners, e.g. businesses or other local authorities
 - if possible, the financial contribution from partners in the 2001/02 financial year
 - confirmation if existing activities will continue
 - In part b) describe new activities you expect to commence in the 2002/03 financial year.

a) activities in 2002/03 financial year			
Activity	Who is involved?	Partners' contribution (£) in 2002/03	Will this continue into 2003/04?
<p><u>1. Council Housing</u></p> <p><u>Gas Central Heating (Priority) Programme</u> The Council's comprehensive programme for prioritising gas central heating and insulation installations (as reported in the Sixth HECA Progress Report) has been maintained during 2002/2003.</p>	Occupational Therapists Private Contractors EML BSW AES Consulting Limited NPower	Staff time. With a contribution of £55K from utilities	Yes
<p><u>Gas Central Heating (Planned) Programme</u> Included in the above programme the Council and its partners provide advice on the efficient use of new gas central heating installations.</p>	EML BSW AES Consulting Limited Fuel Utilities	Staff time and £160K contribution from utilities	Yes
<p><u>Advice to housing officers</u> Talks to housing officers, caretakers and tenant representatives on current energy efficiency programmes of works.</p>	AES Consulting Limited West Anglia Insulation	Staff time	Yes
<p><u>Warmer Homes programme</u> Cavity wall, loft insulation and draft proofing programme to at least 7,000 dwellings. Distribution of energy efficient light bulbs and advice. Collection and processing of data.</p>	NPower AES Consulting Limited West Anglia Insulation	£500k (estimated)	Yes
<p><u>ConAleav Programme</u> Targeting the incidence of ill health brought about in part by condensation/damp through the installation of heat recovery ventilation units. Trials indicate fuel savings, better thermal resistance of building fabric and alleviation of asthma etc.</p>	Fuel Suppliers GPs AES Consulting Limited	£10k Staff time	Yes
<p><u>PVCu Window Installation programme</u> A phased programme for replacement of existing single glazed windows with new PVCu</p>	Bramber Construction EML	Staff Time £TBA	Yes

double glazed units.			
<p><u>Tyfoam Removal Programme</u> A phased programme of the removal of 'Tyfoam' rigid foam with thermally efficient cavity wall insulation.</p>	Contractors EML	Staff time £TBA	Yes
<p><u>Thermal Cladding</u> Installation of thermal cladding decorative systems to "undesirable" energy inefficient blocks of flats, together with other measures.</p>	Fuel suppliers Specialist contractors BRE	Staff time 3TBA	Yes
<p><u>Controllable Heat</u> Targeting of council managed dwellings where current boilers have lack of heating controls. To include TRVs, Thermostats and radiators.</p>	Fuel Suppliers Heating contractors	Staff time £15k	Yes
<p><u>Central Boiler/CHP Schemes</u> Feasibility of attaching CHP units to central boilers throughout the city.</p>	Fuel Suppliers Specialist Heating Contractors Specialist Consultants CHPA	Staff time	Yes
<p><u>Energy Efficiency Publicity.</u> Area Neighbourhood (Housing) offices supplied with energy efficiency publicity material as required.</p>	Area Neighbourhood (Housing) Offices.	Staff time	Yes
<p><u>Replacement of central boiler plant</u> Identify opportunities to improve the energy efficiency of central boiler systems as part of a replacement programme.</p>	Consultants Energy Suppliers	£TBA	Yes
<p><u>2. Private Sector & General</u></p>			
<p><u>Affordable Warmth for Brighton & Hove - A Fuel Poverty Strategy</u> Affordable Warmth – a Fuel Poverty Strategy for Brighton & Hove was adopted as policy by Brighton & Hove City Council in November 2002 The strategy was drafted jointly with members of the Home Energy Efficiency Sub Group of the Brighton & Hove Private Sector Housing Forum following a lengthy period of consultation.</p>	Brighton & Hove Private Sector Housing Forum (Home Energy Efficiency Sub Group)	Staff time	Yes – implement -ation and monitoring of progress.
<p><u>Home Energy Efficiency Strategy for Brighton & Hove</u> Implementation of measures contained in the Home Energy Efficiency Strategy continued as per Action Programme.</p>	Brighton & Hove Private Sector Housing Forum (Home Energy Efficiency Sub Group)	Staff time	Yes
<p><u>Advice on Energy Efficiency Planning Policy</u> Initial draft guidance for architects and developers in support of Local Plan policies promoting energy efficiency design and the use</p>	Council Planning, Private Sector Housing and Sustainability Teams.	Staff time	Yes

<p>of renewable energy was produced for dissemination by various means including the councils' website. Specific local Supplementary Planning Guidance (SPG) for both architects/developers and Planning Officers will be produced during 2003/04.</p>			
<p><u>Home Energy Efficiency Loans/Equity Release</u> Following public consultation on priorities, provision for appropriate loan scheme(s) were incorporated into the councils' draft Housing Renewal Policy (to be formally adopted in June 2003). Options for specific loan/equity release schemes are to be developed with a range of partners. Types of loan to be considered include:-</p> <ul style="list-style-type: none"> • equity release • appreciation loans • re-payment loans with or without interest • subsidy or part funding of the setting up of secured loans by commercial funders) • provision of guarantees or indemnities • unsecured loans • loans where interest repaid by a fee or charge • flexi-loans which enable small sums drawn down • Credit Union schemes 	<p>Financial Institutions. Anchor Staying Put. ECSC. Brighton East Area Credit Union. Others, subject to development of the scheme.</p>	<p>Staff time</p>	<p>Yes</p>
<p><u>East Sussex Heat & Sun Scheme</u> This home insulation/solar water heating bulk discount and energy advice initiative continued to successfully operate with funding from a utility company under the Energy Efficiency Commitment arrangement (EEC) enabling the Heat & Sun scheme to continue.</p>	<p>Utility Company Managing Agent. Insulation & Solar Water Heating Contractors. Partner Authorities: - Eastbourne BC - Hastings BC - Lewes DC (Lead Authority) - Rother DC - Wealden DC</p>	<p>EEC grant funded scheme. Participating authorities contributing in the form of officer time through the provision of support services.</p>	<p>Yes</p>
<p><u>Private Sector Renovation Grants</u> Home repair and renovation grants. Joint funded EEC scheme in partnership with Seaboard.</p>	<p>Brighton & Hove City Council Grants Team Local surveyor Utility company Private sector householders</p>	<p>All funding from Private Sector Renewal funds.</p>	<p>Yes</p>
<p><u>Housing/Council Tax Benefit Mailshot</u> Further to mailshots undertaken in 2001/2, a targeted mailshot to promote the take up of Warm Front grants was undertaken in March 2003. Approximately 7,000 households in the private sector in receipt of Housing or Council Tax Benefit with occupants aged 60 or more, or</p>	<p>Council Housing Benefits Team. The Eaga Partnership</p>	<p>The Eaga Partnership fully funded the cost of the mailshot at a cost of some</p>	<p>Yes</p>

<p>with children aged 16 or under were contacted. The mailshot consisted of a letter setting out details of Warm Front grants and eligibility. A self-referral form with a 'freepost' address for applicants to return the form to the Eaga Partnership. Approximately 300 referral forms have been returned to date.</p>	<p>Eaga Health Authority</p>	<p>£2000. The council contributed staff time and other support services.</p>	<p>Yes</p>
<p><u>Flu Vaccine Recipients Mailshot</u></p> <p>A targeted mailshot to promote the take up of Warm Front grants was undertaken in December 2002. Approximately 55,000 households in the private sector with occupants eligible for free flu vaccination were contacted. The mailshot consisted of a joint letter from the Health Authority, Eaga and Brighton & Hove City Council setting out details of Warm Front grants and eligibility. A self-referral form with a 'freepost' address for applicants to return the form to the Eaga Partnership. Approximately 1500 referral forms have been returned to date.</p>	<p>Eaga</p>	<p>The Eaga Partnership fully funded the cost of the mailshot at a cost of some £8K. The council contributed staff time and other support services.</p>	<p>Yes</p>
<p><u>GP's, Pharmacists and Dentists Surgery mailshot</u></p> <p>A mailshot to approximately 300 GP's and dentist's surgeries and pharmacists in Brighton & Hove took place in March 2003. The mailshot contained a letter suggesting that patients visiting their premises be introduced to the take up of home energy efficiency grants and asked surgery staff to display a quantity of Warm front leaflets supplied with the letter.</p>	<p>University of Brighton – Student Union. Brighton & Hove Older Persons Council. Sussex Police. Brighton & Hove City Council - Sustainability Commission. Brighton Solar Project. Sainsburys.</p>	<p>Staff time and postage costs</p>	<p>Yes</p>
<p><u>Exhibitions</u></p> <p>The benefits of energy efficiency in the home were promoted by organising or arranging a presence at ten exhibitions or roadshows. Four events made up a series of 'roadshows' taking the home energy efficiency message to students at all sites operated by the University of Brighton. Another took place at the Brighton & Hove Older Persons Council AGM, and another at a local Neighbourhood Watch Co-ordinators open day. Two targeted those attending sustainability themed events including the launch of the Brighton & Hove Sustainability Strategy, another was held at a local supermarket during Energy Efficiency Week, and the final was aimed at the general public attending 'car free day' in Brighton.</p>	<p>Brighton & Hove 'Cityclean' services.</p>	<p>Staff time</p>	<p>Yes</p>
<p><u>Workshops and Briefings</u></p> <p>A workshop was arranged covering domestic energy efficiency for members of the public who had volunteered for a scheme called 'Street Doctors' aimed at enabling them to identify a variety of problems, including fuel poverty which could be reported to the council for action or referral.</p>	<p>Brighton & Hove 'Cityclean' services.</p>	<p>Staff Time</p>	<p>Possibly, if the Street Doctors scheme is reinstated.</p>

<p>(Start of project postponed, winter 2002)</p> <p>A briefing was organised for Members of Brighton & Hove City Council on issues surrounding energy conservation, efficiency and climate change.</p> <p>A one-day seminar entitled 'Fighting Fuel Poverty' was staged in November 2002 to increase awareness of fuel poverty and ways of tackling the problem locally. The event was mainly aimed at appropriate managers in the local health authority whose staff made home visits to vulnerable groups in the community. The event was jointly organised with Eaga and received enthusiastic support from local MP, Des Turner who attended and chaired the event.</p> <p><u>Media Campaign</u> A campaign to maximise improvements in energy efficiency in domestic properties and the take up of energy efficiency grants, especially for householders with low incomes and vulnerable groups in private sector accommodation in Brighton & Hove continued. The issue of press releases resulted in eleven editorial features appearing in a variety of local media.</p> <p><u>Promotional Campaigns</u> Three new campaigns were launched during 2002-2003.</p> <p>A campaign was launched to promote and set up training programmes for 'front line' staff and volunteers who have contact with people vulnerable to fuel poverty. Purpose of the training is to raise awareness of fuel poverty, enable professionals and volunteers to identify symptoms of fuel poverty, and provide</p>	<p>Brighton & Hove City Council Members Services. Energy Efficiency & Solar Centre. South East Climate Change Partnership.</p> <p>Eaga The office of Des Turner MP Primary Care Trust</p> <p>Local media. Brighton & Hove City Council Press Office.</p> <p>The Energy Care Network</p>	<p>Staff Time</p> <p>Eaga funded the costs of venue hire and catering. The council provided support services.</p> <p>Staff time</p> <p>Staff Time</p>	<p>Yes, another briefing scheduled for winter 2003</p> <p>Yes, although not always on an annual basis.</p> <p>Yes</p> <p>Yes</p>
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<p>information on what help and advice is available to people in this situation. To date staff and volunteers from the following professions and organisations have received training:- Community Midwives, Health Advisers, Social Workers, Welfare Rights Advisers, 'Anti Poverty' Workers, Citizens Advice Bureau personnel, Repair Agency Volunteers, Mental Health Services Staff, Older Persons Council Members and Housing/Council Tax Benefit Staff.</p> <p>Campaign two involves working with local community groups to promote the take up of energy efficiency grants and energy conservation awareness to both the fuel poor and fuel rich. The latter are being specially targeted for take up of renewable energy installation grants. Initial steps in the campaign include submitting editorial and press releases to group secretaries for possible publication in group newsletters and web sites.</p> <p>Finally: Campaign to support the Sustainable Energy Bill by lobbying local MP's and Ministers through to the Bills' successful Committee Stage.</p> <p><u>Distribution of Low Energy Lightbulbs</u> Distributed low energy lightbulbs at a number of exhibitions and workshops detailed elsewhere in this report.</p> <p><u>Comparative Fuel Tariffs</u> A facility allowing users of the council website to compare the fuel tariffs of utility companies has been provided. This facility to be extended to non internet users by best means in the future.</p>	Community Group representatives.	Staff time	Yes
	Parliamentary Warm Homes Group. Association for the Conservation of Energy	Staff time	Yes – when/if relevant Bills are introduced
	Utility companies		Yes
	UK Power	Staff time.	Yes
		Staff time	

b) activities planned in 2003/04 and not mentioned in a) above			
Activity	Who is involved?	Partners' contribution (£) in 2003/04	Will this continue into 2004/05?
<u>1. Council Housing</u>			
<u>Solar Power</u> Pilot schemes to install solar panels to selected council managed properties.	Fuel Suppliers AES Consulting Limited	£TBA	Yes
<u>Photovoltaic</u> Pilot scheme on four council dwellings to assess the efficiency of a photovoltaic system	Fuel Suppliers AES Consulting Limited	£TBA	Yes

<p><u>Thermal Insulation for Homes</u> Feasibility of providing thermal insulation wall covering to council homes where cavity wall insulation is not possible</p>	<p>Fuel Suppliers AES Consulting Limited</p>	<p>£TBA</p>	<p>Yes</p>
<p><u>Installation of Micro CHP units in dwellings</u> Pilot scheme to install Micro CHP units in council owned dwellings when they are commercially available (estimated 2004)</p>	<p>Fuel Suppliers TBA</p>	<p>£TBA</p>	<p>Yes</p>
<p><u>Action Energy</u> Specialist government approved consultants used to identify opportunities for saving energy and reducing carbon emissions. Action Energy offers a variety of tailored services covering initial design in new projects, through feasibility and implementation, to improving existing facilities.</p>	<p>AES Consulting Limited</p>	<p>£1/2k - £5k (per study) Staff time</p>	<p>Yes</p>
<p><u>2. Private Sector</u></p>			
<p><u>Home Energy Efficiency Managing Partner</u> Undertake a competitive process to establish and contract with a Managing Partner to maximise the installation of measures under the Energy Efficiency Commitment and other schemes. It is proposed to explore the provision of further 'added value' services with the successful applicant to maximise the benefits obtained from this Partnership.</p>	<p>To be determined</p>	<p>Staff time</p>	<p>Yes</p>
<p><u>Housing Association.</u> <u>Replacement of demountable accommodation</u> The new development will be built on the site of the old demountable (static mobile home) houses. These demountables were built on site 12 years ago by the council to provide temporary accommodation and have now reached the end of their useful lives.</p>	<p>Chichester Diocesan Housing Association</p>	<p>£TBA</p>	<p>Yes</p>
<p style="text-align: center;"><i>cont.....</i></p> <p>The site has been transferred to Chichester Diocesan Housing Association and the new development will provide 36 new homes with a mix of tenures, consisting of 27 houses, flats and bungalows to rent and 9 flats and houses for shared ownership.</p> <p>The homes will be built to very high standards and incorporate energy efficiency measures including solar panels and ventilation system to help reduce fuel bills by up to 30%. 24 of the homes will be fitted the solar panels which will provide heating and hot water.</p> <p>It is expected that that the first of the new homes will be ready to move into during the</p>			

<p>spring of 2004 and the whole scheme will be completed by Spring 2005.</p>	<p>Brighton & Hove City Council Grants</p>	<p>£TBA</p>	<p>Yes – subject to funding availability</p>
<p><u>Home Energy Efficiency Grants for Landlords</u> Grants for landlords who are registered licensed or accredited under an approved scheme are to be offered grants for the installation of insulation and heating in their properties.</p>	<p>Energy Conservation and Solar Centre. Health Authority. Brighton & Hove City Council, Social Care & Health.</p>	<p>Staff time. Operating costs of the project will be funded by bid to Innovation Programme if successful</p>	<p>Yes, subject to success of bid and project.</p>
<p><u>Energy Saving Trust's (EST) Innovation programme</u> A bid is to be submitted under the EST Innovation Programme for funding a project designed to work with health professionals within Older Peoples Services and Older People's Services, Mental Health. The aim will be to identify householders that have health risks exacerbated by poorly heated and insulated housing, and make referrals to appropriate grants for energy efficiency measures. The scheme will be run to alleviate the pressures on the time of the health worker, whilst at the same time maximising the uptake of grants by overcoming trust issues.</p>	<p>Energy Efficiency Advice Centre</p>	<p>Staff time</p>	<p>Yes, subject to feasibility and demand</p>
<p><u>Home Energy Efficiency Advice & Information leaflets in languages other than English.</u> Examine the feasibility of, and likely demand for leaflets providing home energy efficiency and advice in languages other than English.</p>	<p>UK Power</p>	<p>Staff time</p>	<p>Yes</p>
<p><u>Running Costs of Appliances</u> Information on the running costs of various domestic appliances to be provided via an online calculator on the Brighton & Hove City Council website. Investigate the best method of making this information available to non-web users.</p>	<p>Utilities</p>	<p>Staff Time</p>	<p>Yes</p>
<p><u>Comparative Fuel Tariffs</u> Investigate the best method of making information on comparing fuel tariffs available to non-web users following the provision of a facility for this purpose on the councils website</p>	<p>Health Promotion Unit</p>	<p>Staff time</p>	<p>Yes</p>
<p><u>Health Promotion Unit</u> Develop links with the Health Promotion Unit and work with them to further awareness of the detrimental effects on health caused by fuel poverty and work toward the goal of eradicating this phenomenon from the city by 2010.</p>			

5. Please briefly describe below how you are taking forward a fuel poverty /affordable warmth strategy and advise on successes to date, key partner and anticipated future developments, with a particular

emphasis on private sector housing stock. If you do not have a fuel poverty / affordable warmth strategy, please say so here.

“Brighton & Hove Affordable Warmth” A Fuel Poverty Strategy for residents of Brighton & Hove

Work on drafting a fuel poverty strategy for Brighton & Hove concluded in the summer of 2002 and the strategy was adopted as policy by Brighton & Hove City Council in November of the same year.

As described in some detail in the 5th and 6th Brighton & Hove City Council HECA Progress Reports, consultation with a wide range of organisations and individuals committed to the eradication of fuel poverty had been undertaken which contributed greatly to the preparation of this strategy.

The body with overall responsibility for planning and implementing the drafting process and for monitoring progress, which is now taking place following adoption, is the Brighton & Hove Private Sector Housing Forum Home Energy Efficiency Sub Group. This long established group had previously carried out a similar function for the Home Energy Efficiency Strategy for Brighton & Hove that was adopted by council in January 2001. To ensure a wide input into the development and monitoring of the strategy additional members for the Sub Group have been recruited from appropriate organisations. With these additional recruits the membership has widened to include a representative from the local energy efficiency advice centre, relevant businesses, and individuals with an academic or personal interest in the issue of fuel poverty as well as the original council officers, and landlord and tenant representatives,

Partnerships

The sub group already has long term partnerships developed from its previous activities. However the fuel poverty strategy project has provided an opportunity to develop new relationships with a wider range of organisations. In particular the group has now been able to build upon its recently established partnership with the health service, specifically. This partnership will be encouraged to develop further and become invaluable in assisting in the monitoring of the strategy in future years. It will also prove vital in addressing further issues in the future.

Many of the initiatives featured in this report are targeted at people living in the private sector who are at risk from fuel poverty.

The Future

Following its adoption, the Home Energy Efficiency Sub Group will monitor the implementation of the strategies comprehensive action plan over the long term through reports prepared by officers compiled from regular progress review.

6. Please indicate below, for the period 1 April 2002 to 31 March 2003, 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 2002/03	Reduction in CO ₂ emissions 2002/03 (tonnes)	Cost of the measures in 2002/03	
			Cost to your authority £ millions	Overall cost £ millions
Total for each sector April 2002 to March 2003:				
Owner/Occupied	2.40	15,980.90	0.48	2.85
Local Authority	3.89	20,796.82	2.96	3.46
Private Rented	0.57	8,457.26	Nil	1.68
Housing Associations	0.11	4,656.44	Nil	0.09

OVERALL TOTAL FOR HOUSING, APRIL 2002 TO MARCH 2003				
	2.30	49,891.42	3.44	8.08

7. Please indicate at (a) the annual improvement reported in each of the previous progress report periods and, at b) the overall progress recorded up to 31 March 2003. 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 22 of the accompanying guidance.

(a1) Progress reported between 1 April 1996 and 30 June 1997 (1 st progress report)	1.46 %
(a2) Progress reported between 1 April 1997 and 31 March 1998 (2 nd progress report)	1.25 %
(a3) Progress reported between 1 April 1998 and 31 March 1999 (3 rd progress report)	1.65 %
(a4) Progress reported between 1 April 1999 and 31 March 2000 (4 th progress report)	2.16 %
(a5) Progress reported between 1 April 2000 and 31 March 2001 (5 th progress report)	1.85 %
(a6) Progress reported between 1 April 2001 and 31 March 2002 (6 th progress report)	1.60 %
(a7) Progress reported between 1 April 2002 and 31 March 2003 (this progress report)	2.30 %
(b) Overall improvement in energy efficiency from 1 April 1996 to 31 March 2003 9.69%	
Any qualifying comments or supplementary information should be included here:	

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 date