

## HOME ENERGY CONSERVATION ACT 1995 SIXTH PROGRESS REPORT (2002) FOR THE PERIOD 1 APRIL 2001 TO 31 MARCH 2002

Please complete this form in full and return it and one copy to your Government Office no later than 30 August 2002. Before completing this form you should read the accompanying quidance.

#### **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.

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				
Name	Philip Wingfield			
Job				
Title/Department	Home Energy Efficiency Officer			
(as appropriate)				
Authority	Brighton & Hove City Council			
Address	Private Sector Housing, Hove Town Hall, Norton Road,			
	Hove,			
	East Sussex.	Post	BN3 4AH	
	East Sussex.	Code	DINO 4AIT	
Telephone	(01273) 293144	Fax	(01273) 292452	
E-mail	philip.wingfield@brighton-hove.gov.uk	Date	30th August 2002	

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 2001. 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 2001 to 31 March 2002, 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%	V		per cent
b) Number of years to implement the measures identified	15	V		Years
c) Total cost of implementation of all measures	£133,653,000	V		Millions
d) CO <sub>2</sub> reduction per	230,242 tonnes			Tonnes

annum as a result of all the measures identified			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?

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If you answered "Yes", please describe briefly:

the methodology used to monitor progress, listing the main data sources 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

### **Council Housing**

The Council's energy efficiency database produces detailed profiling information, including SAP ratings of individual properties within the Authority's area.

HESTIA's EnergyMaster has been populated with baseline data provided by an Energy Audit undertaken during a recent Stock Condition Survey. The audit included surveys of Council properties to 100% of the external of flats, 10% of the flats internal parts and 10% of both the internal and external of houses.

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:

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. Information recorded during scheduled servicing is being used to identify data relating to space and water heating systems, controls, fuel and levels of insulation.

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.

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.

Questionnaires sent out in response to tenant requests for improvements include tick boxes relating to current levels of energy efficient measures.

f) It is intended to undertake another energy audit of public sector housing stock during 2002 / 2003. This will further enhance the data already held. In addition the Planned Maintenance Module and an updated integrated energy efficiency programme will enable automated updating for an improved method of monitoring.

# **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 2001 – 2002.

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 2001/02 financial year				
Activity	Who is involved?	Partners' contributio n (£) in 2001/02	Will this continue into 2002/03?	
Council Housing Gas Central Heating (Priority) Programme The Council's comprehensive programme for prioritising gas central heating and insulation installations (as reported in the Fifth HECA Progress Report) has been maintained during 2001/2002.	GPs Private Contractors Age Concern Brighton EML BSW SEES Fuel Utilities	Staff time. With a contributio n of £25K from utilities	Yes	
Gas Central Heating (Planned) Programme Included in the above programme the Council and its partners provide advice on the efficient use of new gas central heating installations.	EML BSW SEES Fuel Utilities	Staff time with a contributio n of	Yes	

		£60K from	
Advice to housing officers Talks to housing officers, caretakers and tenant representatives on current energy efficiency programmes of works.	SEES West Anglia Insulation	utilities Staff time	Yes
Better Government for Older People A stand was taken at the Better Government for Older people exhibition (targeting the over 60 age group) of the benefits of energy efficiency in the home.	Better Government for Older People Council West Anglia Powergen Age Concern	Staff time. The event received sponsored of £15K from	No
Warmer Homes programme Cavity wall and loft insulation programme to at least 5,000 dwellings. Distribution of energy efficient light bulbs and advice. Collection and processing of data.	Powergen SEEBOARD SEES – Consultants West Anglia Insulation	£433,333 (estimated) per year over a 3 year period	Yes
Retro Heat Rebate on condensing boiler programme undertaken during 2001/2, which will allow 30 fast tracked installations of energy efficient heating systems to tenants with medical needs.	London Electric Heating contractors External professional consultants	Staff time With a contributio n of £65K from	No
CHP Feasibility study to provide Combined Heat and Power units to high rise sheltered block that previously had old style electric storage heaters.	SEEBOARD CHPA EML	utilities Staff time	No, not cost effective. Energy efficient boilers installed instead.
ConAleav Programme 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	Fuel Suppliers GPs SEES	Staff Time with a contributio n of £20K from utilities	Yes
alleviation of asthma etc.  Heat Recovery Ventilation	Fuel Suppliers SEES	utilities	Yes

Seminar for relevant officers on HRV		Staff time	
benefits and general energy efficiency information.	Bramber Construction EML	Stail time	Yes
PVCu Window Installation programme A phased programme for replacement of existing single glazed windows with new PVCu double glazed units.	Patching & Son EML	Staff time	Yes
Tyfoam Removal Programme A phased programme of the removal of		Staff time	
'Tyfoam' rigid foam with thermally efficient cavity wall insulation.	Fuel suppliers Specialist contractors BRE		Yes
Thermal Cladding		£TBA	
Installation of thermal cladding decorative systems to 'undesirable' energy inefficient blocks of flats, together with other measures.	Fuel Suppliers Heating contractors		Yes
		£TBA	
Controllable Heat Targeting of council managed dwellings where current boilers have lack of heating controls. To include TRVs, Thermostats and radiators.	A wide range of consultees		Yes
and radiators.		Staff time	
Energy Park Innovation Programme Development of a local alternative energy park that will include environmental and sustainable energy projects including a	Fuel Suppliers		Yes
wind turbine.	Fuel Suppliers	£TBA	Yes
Solar Power	Specialist Heating Contractors		
Pilot scheme to install solar panels to selected council managed properties.	Specialist Consultants CHPA	£TBA	
Central Boiler/CHP Schemes			
Feasibility of attaching CHP units to central boilers throughout the city.	SEEBOARD Energy		Yes – dependan t on
		Spansarsh:	future producti
Homing In – surveys and articles		Sponsorshi p of low energy	on of the newslette
Troming in Surveys and articles			r

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Major feature and survey on energy carried out in August 2001 via the council produced Homing In newsletter to 15,000 council tenants and leaseholders. They were asked to provide snapshot information of their heating systems, whether they spent more than 10% of household income on fuel, how they paid their bills, whether they could afford to heat their homes adequately and what would assist them in changing to a cheaper fuel supplier. Two energy Efficient lightbulbs, supplied by SEEBOARD Energy were offered in return for each completed questionnaire. Results from the survey have assisted the council in planning future energy efficiency programmes.	Area Neighbourhood (Housing) Offices.	lightbulbs Staff time	Yes
Energy Efficiency Publicity. Area Neighbourhood (Housing) offices supplied with energy efficiency publicity material as required	A wide range of consultees		Yes
		Staff time	
2. Private Sector & General			
Energy Efficiency Local Plan Policies The draft local plan for Brighton & Hove, which contains policies promoting energy conservation measures and the wider use of renewable energy, was placed on deposit as a second draft in September 2001. The 'energy' policies have been strengthened from the versions contained in the first draft.	Energy Saving Trust (EST). DTLR/DEFRA. Utility Company Managing Agent. Insulation & Solar Water Heating Contractors. Partner Authorities: Eastbourne BC	Original EST grant of £180K. New EEC	Yes
East Sussex Heat & Sun Scheme This home insulation/solar water heating bulk discount and energy advice initiative continued to successfully operate under the HECAction funding programme until December 2001 when funds were exhausted. Further funding was successfully sought from a utility company	Hastings BC Lewes DC (Lead Authority) Rother DC Wealden DC	grant of £120K. The participatin g authorities are contributin	
under the Energy Efficiency Commitment arrangement (EEC) enabling the Heat & Sun scheme to continue.	Eaga Local surveyor	g in the form of officer time	

	DETR/DEFRA Utilities Anchor Housing Trust Housing Associations Freeholders	through the provision of support services.	Yes
Private Sector Renovation Grants Home Repair Assistance and renovation grants. Includes a £60K joint funded scheme with British Gas to provide insulation measures to older residents.	Brighton & Hove City Council Housing/Council Benefits Team. The Eaga Partnership	All funding from Private Sector Renewal funds (£268,000)	Yes
Housing/Council Tax Benefit Mailshot  A targeted mailshot to promote the take up of Warm Front grants was undertaken in January 2002. Approximately 7,000 envelopes were sent to people living in the private sector in receipt of Housing or Council Tax Benefit. 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. 233 referral forms have been returned to date.	Consortium of local social and emergency services. Brighton & Hove Private Sector Housing Forum. University of Brighton. University of Sussex. Better Government for Older People Council.	The Eaga Partnership fully funded the cost of the mailshot at a cost of some £1800. The council contribute d staff time and other support services.	Yes
Exhibitions The benefits of energy efficiency in the home were promoted by taking a stand at eight exhibitions or roadshows. One targeted the general public another the sheltered housing sector, five were aimed at the local student population in the two local universities and one held specifically for the over 60 age group.	Local media. Brighton & Hove City Council Press Office. Grant scheme managers	Staff time	Yes

Media Campaign A campaign to achieve the maximum possible improvements in energy efficiency in domestic properties, and maximise the take up of energy efficiency grants, especially for the homes of low incomes and vulnerable groups in private sector households in Brighton & Hove continued. The issue of press releases resulted in eight editorial features appearing in the local press and a similar number of news items on local radio.	Brighton & Hove City Council Press Office. EEAC.		No (this campaign is not expected to be repeated)
Promotional Campaigns Five campaigns were undertaken to further the cause of home energy efficiency and the take up of grants for the installation of energy efficient measures in the home.  Participation in a Brighton & Hove City campaign called Nine Lives. This aimed to	Brighton & Hove City Council Press Office. Eaga	Staff time	Yes
change the 'life behaviour' of nine people in nine different ways through nine 'actions'. The areas of life included health, and money for example, and energy use in the home. Support was offered to the nine participants on energy audits for their homes, advice about energy efficiency grants and by contributing to the organisation of the campaign.	Sustain. Brighton & Hove City Council Press Office.	Staff Time	Yes
Campaign to encourage the take up of Warm Front grants by Brighton & Hove Council employees receiving Working Families Tax Credit. Involved issues of a press release and writing a feature for the council's newspaper and staff newsletter.  Joined and promoted the Big Green Boiler Scheme. Involved the issue of press releases, and a mailshot to local CORGI registered gas engineers. Providing details of the scheme to public enquiries on replacement boilers.	Parliamentary Warm Homes Group.	Staff time	Yes
Publicised and supported the Home	EEAC Students' Union Student Welfare Service	Staff time. The Warm Homes Group funded	Yes

Energy Conservation Bill locally through assisting the Parliamentary Warm Homes Group in arranging a local seminar on the Bill and supporting the groups' lobbying activities	Brighton & Hove Private Sector Housing Forum (Home Energy Efficiency Sub Group)	costs of the seminar.	Yes
Campaign to promote Home Energy Efficiency and Energy Conservation in Education was established and work with two local universities undertaken. Activities included attending student exhibitions, housing workshops, and providing editorial for student newsletter and web site.	Utility Company	Staff time	Yes
Home Energy Efficiency Strategy for Brighton & Hove Implementation of measures contained in	Brighton & Hove City Council Communications Team	Staff time	Yes
the Home Energy Efficiency Strategy continued as per timetable			Yes
Distribution of Low Energy Lightbulbs Distributed low energy lightbulbs at a number of exhibitions and workshops detailed elsewhere in this report.	Fuel suppliers. Local surveyor Brighton & Hove City Council Grants Team.	Staff Time	
Web Site Development A home energy efficiency section on the Brighton & Hove City Council web site has been established. Details of grants for energy efficiency measures as well as general energy advice and news releases are included.		Staff time. Total scheme values: Closed	
Energy Efficiency Commitment Grant Schemes Two match funded grant schemes were established to provide insulation measures to the over 60's age group in partnerships with fuel supply companies and related organisations. One scheme has now closed and the other has recently been launched.		scheme £26K. Active scheme £100K (match funded)	

HECA 2 (5/02)

b) activities planned in 2002/03 and not mentioned in a) above			
Activity	Who is involved?	Partners' contributio n (£) in 2002/03	Will this continue into 2003/04?
Council Housing			
Wind Power Feasibility and EIA into wind turbines to supply green energy to council managed estates.	Fuel Suppliers BWEA AES University of Brighton	£TBA	Yes
Solar Power Pilot schemes to install solar panels to selected council managed properties.	Fuel Suppliers AES	£TBA	Yes
Photovoltaic Pilot scheme on four council dwellings to assess the efficiency of a photovoltaic system	Fuel Suppliers AES	£TBA	Yes
Thermal Insulation for Homes Feasibility of providing thermal insulation wall covering to council homes where cavity wall insulation is not possible	Fuel Suppliers AES	£ТВА	Yes
Advice on Energy Efficiency Planning Policy Produce and disseminate further advice to planning applicants, and supporting information to officers, for the effective implementation of energy efficiency Local Plan policies promoting energy efficiency design and the use of renewable energy in both new-build and refurbishment.	Brighton & Hove City Council Planning and Building Control Teams.	Staff time	Yes
	Housing Associations	Staff time	Yes
Energy Efficiency in Housing Association Properties Further develop programme to encourage and support improvements in the energy efficiency of housing association properties			

	T		
(both new-build and refurbishment) and the greater use of renewables.			Yes
the greater dee of renemalies.	Fuel Suppliers	£TBA	1 00
GeoTherm	Specialists Contractors		
Feasibility and pilot of Geothermal heating systems	Specialist Consultant		
Systems			
			.,
	Manufacturers	Staff Time	Yes
Energy Efficiency Appliances	Retailers	Stail Tillic	
Promote the use of energy efficient	'Energy Efficiency'		
appliances as part of local an national campaigns	organisations. Local media		
Sampaigns	Loodi modia		
	Financial institutions	Staff time	Yes
	Anchor Staying Put	Stall tille	
Home Energy Efficiency Loans/Equity			
Release Investigate the possibility of setting up a			
home energy efficiency loan scheme and a			
Pensioners Energy Club (equity release			
scheme to fund energy efficiency measures in the home)	Energy Care Network.	Staff time	Yes
in the nome)	Lifergy Care Network.	Stan time	
Home Energy Efficiency Training.  Develop a home energy efficiency training			
programme for frontline council staff and			
others from appropriate external	Prighton & Llovo City	Ctoff time	Yes
organisations and the voluntary sector.	Brighton & Hove City Council Refuse & Street	Staff time	
	Cleaning.		
'Street Doctors' Campaign The aim of the 'Street Doctors' campaign	Volunteers.		
is to recruit members of the public to act			
as the 'eyes' of the council, as volunteers,			
to identify problems in the city associated			
with waste, litter, flytipping and graffiti etc. In addition Street Doctors are required to			
adopt 'life changes' to benefit the			
environment to include energy conservation in the home. Participation in			Yes
the campaign will involve attending		Staff time.	163
conferences and workshops for volunteers	Eaga	Eaga will	
to promote home energy efficiency.	Health Authority	fund costs of the	
Flu Vaccine Mailshot		mailshot	
Undertake a mailshot in Autumn 2002 to		which are	
every person eligible to receive the flu vaccine in the Brighton & Hove City		currently unknown	
vaccine in the brighton a flove city		UIINIIUWII	

Council area promoting the take up of Warm Front home energy efficiency grants			Yes
	London Electric Eaga	Staff time	
Promoting Home Energy Efficiency to Landlords of Houses in Multiple Occupation (HMO'S). Brighton & Hove City Council recently embarked upon a registration scheme for HMO's. During registration HMO landlords are being provided with home energy efficiency promotional material, details of grants that their tenants might be eligible for and low energy lightbulbs for tenants who are in fuel poverty			

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 below.

<u>"Brighton & Hove Affordable Warmth" – A Fuel Poverty Strategy for residents of Brighton & Hove</u>

# **Progress**

Work on drafting a fuel poverty strategy for Brighton & Hove continued over the last 12 months and is now complete.

As described in some detail in the 5<sup>th</sup> Brighton & Hove City Council HECA Progress Report, consultation with a wide range of organisations and individuals committed to the eradication of fuel poverty has been undertaken which contributed greatly to the drafting of this strategy.

The body with overall responsibility for planning and implementing the drafting process and for monitoring progress after its anticipated adoption by council 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 of this year. To ensure a wide input into the development of the strategy additional members for the Sub Group were recruited from appropriate organisations. With these additional recruits the membership has widened to include a representative from the local energy efficiency advice centre, the health service, 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 established an initial partnership with the health service, specifically. This partnership will be encouraged to develop and become invaluable in assisting in the monitoring of the strategy in future years. They 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

The draft strategy will be presented to Brighton & Hove City Council for consideration for adoption as policy during the autumn of this year The 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 reviews

6. Please indicate below, for the period 1 April 2001 to 31 March 2002, 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 CO<sub>2</sub> 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 2001/02	Reduction in CO <sub>2</sub> emissions 2001/02 (tonnes)	Cost of the measures in 2001/02	
			Cost to your authority £ millions	Overall cost £ millions
Total for each sector April 2001 to M	arch 2002:			
Owner/Occupied	1.79	14,685	268,000	2.84
Local Authority	2.00	11,623	2,802,000	3.34
Private Rented	0.97	6,862	Nil	1.67
Housing Associations	0.10	758	Nil	0.08
OVERALL TOTAL FOR HOUSING, APRIL 2001 TO MARCH 2002  1.60 33,928 3,070,000 7.93				
Any qualifying comments on the figure	es should be inclu		ı	

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 2002. 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 (1st progress report)	1.46 %
(a2) Progress reported between 1 April 1997 and 31 March 1998 (2 <sup>nd</sup> progress report)	1.25 %
(a3) Progress reported between 1 April 1998 and 31 March 1999 (3 <sup>rd</sup> progress report)	1.65 %
(a4) Progress reported between 1 April 1999 and 31 March 2000 (4 <sup>th</sup> progress report)	2.16 %
(a5) Progress reported between 1 April 2000 and 31 March 2001 (5 <sup>th</sup> progress report)	1.85 %

(a6) Progress reported between 1 April 2001 and 31 March 2002 (this progress report)	1.60 %
(b) Overall improvement in energy efficiency from 1 April 1996 to 31 March 2002	9.57 %
Any qualifying comments or supplementary information should be included here	:

Before returning this form to your Government Office it must be authorised ${\bf I}$	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 David Panter				
Authority Brighton & Hove City Council date				