

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



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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	PHIL KESSEL		
Job Title/Department (as appropriate)	ENVIRONMENTAL HEALTH SERVICES MANAGER		
Authority	DARTFORD BOROUGH COUNCIL		
Address	CIVIC CENTRE		
	HOME GARDENS		
	DARTFORD KENT	Post Code	DA11DR
Telephone	01322 343346	Fax	01322 343963
E-mail	Phil.kessel@dartford.gov.uk	Date	29 September 2005

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	26.9		-	- percent
b) Number of years to implement the measures identified	10		-	- Years
c) Total cost of implementation of all measures	135.5 million		-	£- Millions
d) CCI reduction per annum as a result of all the measures identified	29,150		-	- Tonnes per annum
e) Indicate the 1 April 1996 baseline energy use (in GJ) against which energy efficiency improvements are being measured	3142880		-	- 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.				

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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

A self completion energy questionnaire was distributed to 25% in the Borough using the electoral registration mailing in August. In total 8772 surveys were distributed, and a response rate of 39.9% was achieved, thereby providing a return of 3504 surveys.

The survey asked householders about the heating and insulation currently in their property, as well as what measures they had installed in the previous twelve months. The returned surveys were processed using an optical scanner, and a data file was created in order to model the stock.

The demographic make up of the survey returns, in terms of tenancy type and age of head of household, was then compared to the true picture in the borough using the census information. This allowed CEN to apply a weighting to each survey, which could be used in the calculations that followed, thus allowing the gathered surveys to more accurately represent the borough.

Using NHER's AutoEvaluator, CEN calculated the current energy use and SAP based carbon dioxide emissions for each property, and summed the results to provide an overall figure for each tenure type in the Borough.

CEN then used the responses to the questions regarding what measures householders had installed in the previous twelve months to create a data file representing what the stock was twelve months ago. Again, CEN calculated the energy use and SAP based carbon dioxide emissions for each property in the data file using NHER AutoEvaluator, and summed the results to provide an overall figure for each tenure type in the Borough.

By comparing the first set of results against the second, we could then calculate the improvement over the twelve month period. Finally, CEN were also able to use the responses to the questions regarding what measures householders had installed in the previous months to calculate the cost of measures.

The data set used in carrying out these calculations was comprised only of the surveys in which all questions concerning measures installed over the previous twelve months were answered, and excluded nonsensical responses

As per DEFRA guidance in previous years, an additional 0.3% has been added to the energy efficiency improvement figure for each tenure type for behavioural changes.

The current method for calculating SAP is SAP 2001. Up to now CEN have reported our SAP using SAP 1998 methodology. We are advised by OPDM that we should use the current SAP 2001 methodology in our reporting. One of the main reasons for the change from SAP 1998 to SAP 2001 was to resolve a problem whereby properties with small floor areas, typically flats, were not achieving expected energy ratings.

From now on we will be reporting our SAP average using SAP 2001, pending any further change to the methodology

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

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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 2004/05 financial year.

a) activities in 2004/05 financial year			
Activity	Who is involved?	Partners' contribution (£) in 2004/05	Will this continue into 2005/06?

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In part b) describe new activities you expect to commence in the 2004/05 financial year.

a) activities in 2004/05 financial year			
Activity	Who is involved?	Partners' contribution (£) in 2004/05	Will this continue into 2005/06?

1. Energy advice pages on the Council website, press releases to promote energy efficiency along with articles in Council's Borough newsletter, The Link (tenants newsletter). Display in Civic Centre reception area	Environmental Promotions Officer, Internal Communications and KEC	N/A	Yes
2. Energy awareness amongst staff - home energy checklist forms during Energy Efficiency Week and loft/cavity wall insulation during Warm Homes week.	Environmental Promotions Officer	From HECA funds	Yes
3. Monitoring energy efficiency of Civic Centre and reviewing contracts for Green Energy - Civic Centre now has Green Electricity contract	All DBC Directors	N/A	Yes
4. Energy Awareness talks to local community groups and organisations	KEC and Environmental Promotions Officer	From HECA funds	Yes
5. Member of Kent Energy Efficiency Partnership (KEEP) an active consortium of 13 Kent Local Authorities and Kent Energy Centre organising events throughout the year.	All Kent LA's in partnership with KEC	From HECA funds	Yes
6. Working with Kent Energy Centre (KEC) to run promotional activities, negotiate discounts/manage schemes and offer free help and advice to the public on energy saving grants. KEC have played a pivotal role in securing funding for specific projects through Energy Saving Trusts Innovation fund.	Part funded by EST and all members of KEEP. Projects funded from HECA Action, London Electricity, N Power, EST	From HECA funds	Yes
7. Displays and advice during Energy Efficiency Week 2004 at Darent Valley Hospital, High Street Dartford and Priory Shopping Centre. Home energy checklist forms completed and low energy light bulbs distributed.	Environmental Promotions Officer, KEC	From HECA funds	Yes
8. 3 day Kent County Show event involved completing home energy checklist forms and distribution of low energy light bulbs	All Kent LA's in partnership with KEC	LA's funded	Yes
9. Care and Repair (Stay Put Agency) promotes Warm Front Plus	DBC and Moat Housing Group	-	Yes
10. Training sessions held for Local Authority and Health Care staff on Health Through Warmth Referral scheme. 26 people trained.	KEC, Kent LA's, Health and Social Services	N Power funded £89750	Yes
11. EAGA undertook targeted mail shots to promote Warm Front and Warm Front Plus. Between 1/4/2004 and 31/3/2005 183 properties had work fully completed by registered installers within the Council area - 70 owner occupier households and 13 private rented households. Measures costs £177096.78 (inc VAT)	DBC, EAGA and local installers	-	Yes
12. Kent Action to Save Heat (KASH) scheme offers discounts on loft insulation, cavity wall and solid wall insulation, heating, condensing boilers and discounted scheme for A rated energy efficiency appliances. During 2004-05 KEC (who operate the scheme) received 513 phone calls from	EST grant	Negotiable with installers, further discounted by EDF	Yes

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<p>DBC residents resulting in 23 loft insulations, 36 cavity wall, 1 replacement boiler (non condensing), 4 non condensing boilers, 33 warm front referrals. 4092 home energy checklists completed.</p>			
<p>13. Sunrise, Kent's solar hot water discount scheme has been promoted throughout Kent in 2004/05 with 10 enquiries (1 from Dartford area). Although 2 quote were received they were not accepted</p>	<p>KEC and Kent LA's</p>	<p>Negotiable discount with installers</p>	<p>Yes</p>
<p>14. Clear Skies provide grants around renewable energy. Between 1/1/2003 and 15/4/2005 4 properties with DBC postcodes received grants for solar hot water.</p>	<p>DTI and BRE</p>	<p>DTI funded</p>	<p>Yes</p>
<p>15. In June/July 2004 the first solar car challenge was held in Kent. Four schools from the Borough took part in competitions for Best Dressed and Fastest Car Categories.</p>	<p>Environmental Promotions Officer, KEC, Pfizer, GOSE</p>	<p>£325from HECA funds,£5000 Pfizer,£1000 GOSE</p>	<p>Yes</p>
<p>16. During 2004/05 KEC ran an energy efficiency themed poster competition which resulted in 5 presentations at school assemblies. Several schools are now registered with the Eco Schools scheme which the Council actively promoted</p>	<p>Environmental Promotions Officer, KEC, KCC</p>	<p>HECAfunds</p>	<p>Yes</p>
<p>17. Kent Health and Affordable Warmth Strategy was reviewed and the revised Strategy distributed during April 2005.</p>	<p>KEC, Kent LA's, NEA, social services, Groundwork, PCT, Health Authority, Pension Service, Warmfront, GOSE, Kent Home Improvement Agencies, SEEBOARD, KEC, Kent LA's</p>	<p>Continue to develop partnerships and obtain sponsorship</p>	<p>Yes</p>
<p>18. EST's Local Authority Support Programme (LASP) fund 2 full time posts at KEC. The officers have influenced 44 strategies and policies including 12 of the counties 14 community strategies with targets around energy efficiency, affordable warmth and renewable energy. This includes involvement in the development of the Dartford and Gravesham Community Strategy</p>		<p>ESTLASP</p>	<p>Yes</p>
<p>19. EDF Energy and KEC worked together on a Kent wide scheme called Energy House Points aimed specifically at landlords and tenants. EDF Energy's support via the SEEBOARD energy brand was mainly for insulation measures - it delivered 50 condensing boiler installations, 170 loft and 160 cavity wall insulations</p>	<p>Environmental Promotions Officer, HMO Officer, KEC, Southern Private Landlords Association</p>	<p>EST Innovation Funds</p>	<p>Yes</p>
<p>20. The Warm Streets Project involved KEC working with Help the Aged Handy Van Service and Moat Care and Repair to direct services at a targeted area in the Borough using Hot Spot mapping for deprivation, owner occupiers and unfilled cavity walls and lofts. 800 letters were delivered using</p>	<p>Environmental Promotions Officer, KEC, Help the Aged HandyVan, Moat Care and Repair</p>	<p>£3850 from HECAfunds</p>	<p>No</p>

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<p>a Home Energy Check form developed to include information required by Help the Aged and Care and Repair. 20 visits were undertaken by the KEC Surveyor - 3 residents were referred to Car and Repair and 9 referred to Help the Aged. The project showed the advantages of joint working</p> <p>21. CEN secured £15000 from the EST Innovation Fund for a 'Hot Spots' mapping project to be developed in Kent. 4 wards within the Dartford Council area were targeted as 'Hot Spot' areas with direct mail outs. 1250 free mailings were provided for the council by CEN and the Council paid for an additional 2000 mail shots. The targeted mail shots resulted in an increase in enquiries with installations taking place.</p>	<p>Environmental Promotions Officer, CEN</p>	<p>EST Innovation Funds</p>	<p>Yes</p>
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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?
1. Dartford's Sustainable Home Energy Strategy 2005-08 will be discussed at a cabinet meeting in October 2005. This follows a workshop with relevant Council officers to develop an action plan around energy efficiency private households, energy efficiency Dartford borough council tenants, affordable warmth, renewable energy and strategic management	Environmental Promotion Officer, LASP Officer, Directorates within DBC	-	Yes
2. During the Summer School Holiday KEC supported Groundwork Kent Thameside 'Powerforce' activity to promote renewable energy to a group of 40 children. Parents/Guardians completed Home Energy Checklists whilst children were involved in building and racing solar cars (amongst many other activities)	Environmental Promotions Officer, KEC, Groundwork Kent Thameside	HECA budget £400.00	Yes
3. KEC will be working with the KCC Eco Schools worker around home energy conservation and linking with Eco School activities in the Borough	KEC, KCC Eco Schools worker, Schools, Environmental Promotions Officer	HECA budget £890.00	Yes
4. A Community Neighbourhood Project targeting fuel rich and fuel poor areas of the Borough will be piloted using Hot Spot information	KEC, Environmental Promotions Officer	HECA budget £887.00	Yes
5. KEC have applied for EST Innovation funding for a project called 'Prescribing Warmth'. The project aims to maintain and support PCT's and to work with PCT's to identify links to fuel poverty and develop an action plan including a multi agency referral scheme and a winter warmth campaign	KEC, PCT, Environmental Promotions Officer	EST Innovation HECA budget officer time EST Innovation	Yes
6. CEN have applied for EST Innovation Funding for a project called 'The Kent Did You Know Project'. The project is designed to address the fact that less than half of households with cavity walls know that their walls are of cavity walls.	CEN, Environmental Promotions Officer	HECA budget officer time EST Innovation	Yes
7. A service level agreement between the Council and KEC is currently being developed to ensure maximum impact with press coverage around home energy efficiency issues.	KEC, Environmental Promotions Officer, Communications Manager	-	Yes

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

YES NOD

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

YES NOD

Sc. If you answered yes to question Sa or Sb, 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.

The Kent Health and Affordable Warmth Strategy 2001 (KHAWS) has been developed by a consortium of Kent's 13 local authorities, the Kent Energy Centre, the health and social care sector and other partners. The Strategy set out six main aims:

Establish a coordinating mechanism to oversee the continuing development, delivery and review of the Strategy

Ensure that the Strategy is integrated with other relevant national and local initiatives and strategies

Raise awareness of fuel poverty and to promote the Strategy in Kent

Work towards ensuring that the housing stock is capable of delivering affordable warmth

Promote benefits awareness and take up with the aim of maximising the income of vulnerable and socially excluded residents

To establish a single referral system

Since the KHAWS launch, excellent progress has been made on all of the aims and Kent are now recognised as being the leader in fuel poverty work in the South East. Progress includes the following:

Established a steering group

Influenced strategies/local plans

Raised awareness of fuel poverty and promoted KHAWS in Kent to Strategic partners, frontline professionals and the general public

Worked towards ensuring that the housing stock is capable of delivering affordable warmth

Promoted benefits awareness and take up with the aim of maximising the income of vulnerable and socially excluded residents

Established a single referral system : Health Through Warmth

The Kent Health and Affordable Warmth Steering Group are now revising the Strategy, giving the opportunity to improve efforts to tackle fuel poverty and achieve affordable warmth for the Counties residents. The Council, as a partner in the Strategy is working towards the following aims for 2004-2008:

To improve the coordination of delivery

Set up and maintain appropriate internal and external partnerships

To influence strategy

To raise the profile of fuel poverty and KHAWS at a strategic level in Kent, the South East and nationally

To raise the profile of fuel poverty and solutions to frontline professionals

To carry out effective campaigns to increase take up of existing assistance from the domestic sector

To increase levels of funding for intervention

To maximise income

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

YES NOD

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

YES NOD

Sc. If you answered yes to question Sa or Sb, 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.

The Kent Health and Affordable Warmth Strategy 2001 (KHAWS) has been developed by a consortium of Kent's 13 local authorities, the Kent Energy Centre, the health and social care sector and other partners. The Strategy set out six main aims:

Establish a coordinating mechanism to oversee the continuing development, delivery and review of the Strategy

Ensure that the Strategy is integrated with other relevant national and local initiatives and strategies

Raise awareness of fuel poverty and to promote the Strategy in Kent

Work towards ensuring that the housing stock is capable of delivering affordable warmth

Promote benefits awareness and take up with the aim of maximising the income of vulnerable and socially excluded residents

To establish a single referral system

Since the KHAWS launch, excellent progress has been made on all of the aims and Kent are now recognised as being the leader in fuel poverty work in the South East. Progress includes the following:

Established a steering group

Influenced strategies/local plans

Raised awareness of fuel poverty and promoted KHAWS in Kent to Strategic partners, frontline professionals and the general public

Worked towards ensuring that the housing stock is capable of delivering affordable warmth

Promoted benefits awareness and take up with the aim of maximising the income of vulnerable and socially excluded residents

Established a single referral system : Health Through Warmth

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Within Dartford Borough Council a Sustainable Home Energy Strategy 2005-2008 including the Kent Health and Affordable Warmth Strategy is currently being drawn together. A workshop to develop a plan of actions involving Officers from a wide variety of Departments within the Council took place on Monday 5th September 2005. It is anticipated that the Strategy will be discussed by Cabinet by the end of 2005.

Within Dartford Borough Council a Sustainable Home Energy Strategy 2005-2008 including the Kent Health and Affordable Warmth Strategy is currently being drawn together. A workshop to develop a plan of actions involving Officers from a wide variety of Departments within the Council took place on Monday 5th September 2005. It is anticipated that the Strategy will be discussed by Cabinet by the end of 2005.

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 CO2 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	1.9%	2195		7.4
Local Authority	1.8%	321		1.2
Private Rented	1.6%	268		0.8
Housing Associations	1.2%	35		0.06
OVERALL TOTAL FOR HOUSING, APRIL 2004 TO MARCH 2005				
	1.9%	2819		10.00
Any qualifying comments on the figures should be included here:				

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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)	n/a %
(a2) Progress reported between 1 April 1997 and 31 March 1998 (2 nd progress report)	n/a%
(a3) Progress reported between 1 April 1998 and 31 March 1999 (3 rd progress report)	n/a%
(a4) Progress reported between 1 April 1999 and 31 March 2000 (4 th progress report)	* 1.31 %
(a5) Progress reported between 1 April 2000 and 31 March 2001 (5 th progress report)	**2.69 %
(a6) Progress reported between 1 April 2001 and 31 March 2002 (6 th progress report)	1.6%
(a7) Progress reported between 1 April 2002 and 31 March 2003 (7 th progress report)	* 1.2 %
(a8) Progress reported between 1 April 2003 and 31 March 2004 (8 th progress report)	* 1.5 %
(a9) Progress reported between 1 April 2004 and 31 March 2005 (this progress report)	1.9 %
(b) Overall improvement in energy efficiency from 1 April 1996 to 31 March 2005	16.34 %

Any qualifying comments or supplementary information should be included here:

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Any qualifying comments or supplementary information should be included here:

* includes 0.3% for behavioural change
** includes 0.5% for behavioural change

Year 1 -3 7.27% figure used as the baseline figure

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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

GRAHAM HARRIS

Authority

DARTFORD BOROUGH COUNCIL


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30 . 9 . 0

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