

EAST AYRSHIRE COUNCIL

HOUSING COMMITTEE – 22 MARCH 2006

HOME ENERGY CONSERVATION ACT 1995 FOURTH PROGRESS REPORT 2005

Joint Report by Executive Director of Neighbourhood Services and Executive Director of Development and Property Services

1. PURPOSE OF REPORT

- 1.1 To update members on the implementation of the Council's response to its obligations under the terms of the Home Energy Conservation Act 1995 (HECA) prior to the submission of the Fourth Progress Report 2005.

2. BACKGROUND

- 2.1 It is a requirement of the Act that Authorities submit progress reports, on a regular basis, on energy efficiency improvements carried out on all housing. The fourth progress report covers the period 1 April 2003 to 31 March 2005 and a copy is attached for approval.
- 2.2 The date for submission of this report to Communities Scotland was set as 31 March 2006. Guidance on the presentation has been issued and the Act requires that the Council publish the report.
- 2.3 The fifth and final progress report will be called for by 31 December 2007 and will cover the period 1 April 2005 to 31 March 2007.

3. GENERALLY

- 3.1 In East Ayrshire Council's first report entitled "Bridging the Gap" submitted on 31 December 1997, an energy strategy was outlined by which it was intended that energy improvements could be achieved by 2007. A target of a 30% improvement in home energy efficiency was set and received the agreement of the Secretary of State. In the first eight years, an improvement in energy efficiency of 21.14% along with an associated reduction in carbon dioxide (CO₂) emissions of 18.75% has been achieved.
- 3.2 The incremental improvement for the period between 1 April 2003 and 31 March 2005 is 5.75%, with associated reduction in carbon dioxide (CO₂) emissions of 5.84%. This has resulted in an estimated savings in fuel bills per household of £46.99 over this 2 year period.

4. FINANCIAL IMPLICATIONS

- 4.1 Not applicable.

5. LEGAL AUTHORITY / IMPLICATIONS

- 5.1 Implements the Home Energy Conservation Act, 1995.

6. POLICY IMPLICATIONS

6.1 Not applicable.

7. CONCLUSION

7.1 The Energy Advice Unit continues to examine and pursue all avenues of available assistance and funding, this has resulted in another substantial step towards our target of a 30% improvement in Home Energy Efficiency by 2007.

In addition, this report supports the objectives set out within the Community Plan and the Local Housing Strategy.

8. RECOMMENDATIONS

8.1 It is recommended that Members:

- (i) approve the contents of the report.

William Stafford
Executive Director
of Neighbourhood Services

James Lavery
Executive Director
of Development & Property Services

GM/SF
23 February 2006

LIST OF BACKGROUND PAPERS

Home Energy Conservation Act 1995 - Fourth Progress Report 2005

Home Energy Conservation Act 1995 - Third Progress Report 2003

Home Energy Conservation Act 1995 - Second Progress Report 2001

Home Energy Conservation Act 1995 - First Progress Report 1999

Home Energy Conservation Act 1995 - Energy Strategy 1997/2007 "Bridging the Gap"

Any member requiring further information should contact George Malone, Principal Engineer (Tel: 01563 555233).

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**HOME ENERGY CONSERVATION ACT 1995
FOURTH PROGRESS REPORT**

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**EAST AYRSHIRE COUNCIL
THE HOME ENERGY CONSERVATION ACT 1995
FOURTH PROGRESS REPORT 2005**

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EAST AYRSHIRE COUNCIL

THE HOME ENERGY CONSERVATION ACT 1995 FOURTH PROGRESS REPORT 2005

1 BACKGROUND INFORMATION

The council, as an energy conservation authority, is fully committed to implementing the requirements of the Home Energy Conservation Act 1995 (HECA), supports its aims and objectives and agrees that the issues that it raises must be addressed.

The Act requires that, from time to time, authorities must publish reports on progress and submit these to the Investment & Performance Division of Communities Scotland. The first progress report was submitted on 31 January 2000 and covered the period 1 April 1997 to 31 March 1999.

The second progress report covered the period 1 April 1999 to 31 March 2001 and required to be submitted by 31 January 2002.

The third progress report covered the period 1 April 2001 to 31 March 2003 and required to be submitted by 16 July 2004.

This fourth progress report covers the period 1 April 2003 to 31 March 2005 and must be submitted by 31 March 2006.

2 AIMS AND ORGANISATION

2.1 POLICY

In East Ayrshire Council's First Report entitled "Bridging the Gap" submitted on 31 December 1997, an energy strategy was outlined by which it was intended that energy efficiency improvements could be achieved by 2007. A target of 30% improvement in home energy efficiency was set and received the agreement of the Secretary of State.

2.2 COUNCIL STRATEGY

The six aims of the Council Strategy are:-

- To bring public awareness to the whole field of environmental issues.
- To improve healthcare through warm, dry and healthy living conditions
- To reduce poverty by providing assistance to the fuel poor, releasing their disposable income to alleviate other hardship problems and therefore increase their standard of living.
- To enhance the field of employment by initiating further job creation prospects through intakes of funding created by partnership and European Social Funding.

- To reduce fuel bills
- To reduce harmful emissions associated with the burning of fuels in domestic housing stock in order to make substantial progress towards achieving a 30% improvement in energy efficiency over the ten-year period of the Strategy.

2.3 INTERNAL ORGANISATION

Responsibility for promoting HECA within this authority is taken by the Energy Advice Unit, within the Technical Services Division of the Department of Development and Property Service. The Unit comprises of two staff members who report to the Principal Engineer, who is the designated HECA Officer.

The Council Committee responsible for HECA is the Housing Committee.

Although there is no formal “mission statement” for delivering HECA the Council sees it as an integral part of our Strategy (2.2).

This authority continues to recognise the need for a corporate approach to be taken and there has been full consultation within the council in the compilation of this report, with regular meetings held with our Energy Advice Unit and our Fuel Poverty Working Group.

2.4 PARTNERSHIPS

East Ayrshire Council has maintained partnerships which have previously featured in our Progress Reports and has been able to add to these already successful initiatives.

These partnerships have enabled the Council to access external funding which has allowed us to carry out energy efficiency improvements which otherwise would not have been possible.

The Wise Group (East Ayrshire)

This successful partnership has again been continued over the two years of this report, providing valuable training and work experience for the long term unemployed in the Intermediate Labour Market (I.L.M).

The Council in turn, benefits from the installation of a wide range of energy efficiency improvements to our stock.

Further information on this partnership is provided under Appendix 1.

HECAction – Warm Homes and Healthy Warm Homes

East Ayrshire Council in partnership with North Ayrshire, South Ayrshire and Dumfries and Galloway Councils successfully submitted a combined bid for HECAction funding.

The Warm Homes Scheme resulted in the provision of a £250 grant and £1,000 interest free loan being made available towards the cost and installation of a condensing boiler. This was taken up by 74 owner occupiers.

This initiative was terminated in September 2004 to be replaced with the “New Boiler Grant Scheme” which offers £100 grant towards the cost of a condensing boiler. To 31st March 2005 this new scheme has provided 22 grants.

We continue to be involved in the Healthy Warm Homes Initiative which is supported by Ayrshire & Arran NHS.

Further details can be found in Appendix 2.

South West Scotland Energy Efficiency and Advice Centre (EEAC)

East Ayrshire Council continues to support the local EEAC in all aspects of their work including the promotion of the very successful “Private Households Insulation Scheme” (Appendix 2).

Scottish Power

Energy Efficiency Commitment (EEC) funding has enabled us to carry out additional works to our Housing Capital Programme. We have also utilised Fuel Switching Funding and directed this to assist low income private households to install a more energy efficient heating systems.

Scottish and Southern Energy

This partnership has enabled many additional lofts to be insulated through funding from their EEC scheme and we have also benefited from being able to expand our programme for external cladding.

Kettles and CFL’s have also been obtained through the EEC initiative allowing us to help many deserving households. These have also been used as incentives at some of our Energy Efficiency Roadshows.

Scottish and Southern Energy are also our “Preferred Energy Provider” for our void properties. Income generated from this scheme is used to fund projects which directly benefit low income and vulnerable households.

Each new tenant is also provided with 2 low energy lightbulbs, which has resulted in the distribution of some 8,000 CFL’s over the period of our agreement to date. Scottish and Southern Energy also donated the first prize of an A-rated fridge freezer for an energy efficiency awareness day hosted by the Council.

Scottish Gas

The Council embarked upon a fuel switching agreement relevant to our own housing stock. This funding allowed more installations to be done than had been anticipated in our Housing Capital Programme.

The Council entered a new partnership with Scottish Gas known as the “here to HELP” (HELP) initiative which:-

- Provided a fully integrated approach to the installation of energy efficiency measures within a designated “HELP Zone” of East Ayrshire Council housing stock. Special incentives were also offered to private householders within the zone.
- Offered a fully integrated package between Scottish Gas EEC funding, East Ayrshire Council and Warm Deal funding.
- Delivered a range of value added services from Scottish Gas and voluntary sector partners.

The scheme was managed by the EAGA Partnership and an area of potential was identified and targeted. This resulted in 72 properties experiencing the benefits of improved energy efficiency.

132 households expressed an interest in receiving the benefits of the charity partners involved and 59 households expressed an interest in receiving a benefit health check.

Energy Savings Trust (EST)

East Ayrshire Council continues to support the various initiatives and ideals of the EST.

Warm Deal

The Council works closely with our Warm Deal installers who carry out energy efficiency works in Council properties and we promote the Warm Deal to private householders.

Warm Deal for Local Authorities

Over the period of this report East Ayrshire Council attracted £185,000 for Warm Deal for Local Authorities. This funding was used for Warm Deal type measures to be installed in Council housing which did not qualify for Warm Deal funding in 2004/2005. Part of this funding was used to target the fuel poor in the private sector and proved to be very popular.

Scottish Executive Free Central Heating Programme

Once again a modest number of Council houses have benefited from this excellent initiative. East Ayrshire Council has been “a victim of its own success” in that an extremely high percentage of our housing stock already had central heating prior to this scheme.

We do however support it and promote it to private householders.

Energy Action Grants Agency (EAGA)

For the two years of this report we have partnered EAGA in promoting the Warm Deal and the Free Central Heating Scheme via our Council Tax Renewal Notices.

Age Concern

Various energy awareness “roadshows” have been held throughout the authority over the period of this report and at many of them we have had the assistance of Age Concern in hosting these or in helping with the distribution of kettles or CFLs.

3 PROGRESS TO DATE

3.1 WORKS

East Ayrshire Council, over the two years of this report has carried out a number of improvement programmes on its own stock.

Some of these programmes impinge directly on the energy efficiency of the stock. The programmes in question are:

- Replacement central heating with a high efficiency (class A Sedbuk rated) condensing boiler.
- Replacement doors and screens (draught proofed and double glazed)
- Re-roofing including loft insulation,
- External cladding

A follow up programme to these installations was carried out by The Wise Group, with the provision of energy advice, loft insulation, radiator panels and draughtproofing to all recipients of new heating installations, thereby maximising the benefits of the new systems.

A significant amount of energy efficiency improvement works is carried out as an outcome of our many partnerships. Full use is made of the EEC Funding initiatives of the various fuel utilities which allows us to carry out significant additional works not covered by the Housing Capital Programme.

Further details and costs of the above measures can be found under Paragraph 3.4 “Costs of Measures”.

In common with other Authorities, there is insufficient information available to assess improvements in energy efficiency in the private sector. This report therefore mainly gives information for the local authority sector with some information provided by Registered Social Landlords (RSLs) and the “total” figures are those provided by the spreadsheet.

3.2 GRANTS AND LOANS

The Scottish Executive Free Central Heating & Warm Deal Initiatives

These are principal players in contributing to a reduction in fuel poverty and energy use in both the private and social housing sectors. East Ayrshire Council has been pleased to promote these initiatives wherever possible.

South West Scotland Energy Efficiency and Advice Centre (EEAC)

East Ayrshire Council fully supports all EEAC initiatives directed at private householders. We make numerous referrals to their various schemes including Warm Homes, Healthy Warm Homes, Private Householders Insulation Scheme and the Private Landlord Boiler Scheme. These schemes can provide grant assistance or an interest free loan for energy saving measures.

Further details are included in section 3.4 “Cost of Measures”.

3.3 INFORMATION, ADVICE, EDUCATION AND PUBLICITY

The provision of information, advice, education and publicity is paramount in getting the energy efficiency message across to all sectors and age groups within our authority. The promotional aspects continue to be the responsibility of the Council’s Energy Advice Unit.

- East Ayrshire Council in partnership with the local EEAC have, at various roadshows throughout the district, been encouraging householders to take part in free home energy checks with individual advice and recommendations being sent out to each participant.
- Regular articles on Energy Efficiency and Grant Funding appear in the Council’s newspaper “Headlines” which is distributed to all householders within the authority.
- The Council’s website also features information on The Energy Advice Unit, Energy Efficiency and Grant Funding.
- Energy Advice home visits are provided by both The Council’s Energy Advisor and The Wise Group.
- In partnership with EAGA, information leaflets were sent out to all residents with Council Tax Renewal Notices.
- An Energy Awareness Day was held in conjunction with the EAGA Partnership, Energy Watch and The Pensions Service delivering presentations on fuel poverty, consumer issues and pension credits. The event was attended by the local MP and MSP who gave praise to the efforts of all those involved.

3.4 COSTS OF MEASURES

The costs of measures carried out on Local Authority Housing Stock over the period of this report are as follows:-

Housing Capital Programme

Measures Applied	Number Completed	Cost per Measure	Total Cost of Measures
Gas Central Heating Installations	1222	£3349	£4,092,040
Door Replacement	2962	£570	£1,687,440
External Cladding	15	£20,000	£300,000
Double Glazed Windows	58	£3,226	£187,125

Partnership Working (Local Authority Properties)

Measures Applied	Number Completed	Cost per Measure	Total Cost of Measures
Loft Insulation – Wise Group	1155	£245	£282,975
Draught proofing – Wise Group	1184	£100	£118,400
Cavity Wall Insulation – Wise Group	68	£302	£20,543
Radiator Panels – Wise Group	680	£56	£38,080

The costs of measures carried out on all tenures of housing over the period of this report are as follows:

Registered Social Landlords

Measures Applied	Number Completed	Cost per Measure	Total Cost of Measures
Gas Central Heating Installations	551	£3349	£1,845,299
Double Glazed Windows	575	£3226	£1,854,950

Partnership Working (All Tenures)

Measures Applied	Number Completed	Cost per Measure	Total Cost of Measures
Loft Insulation HELP Scheme	12	£279	£3,350
Loft Insulation EEAC Schemes	87	£250	£21,750
Loft Insulation Warm Deal	699	£269	£188,342
Cavity Wall Insulation HELP Scheme	62	£256	£15,874
Cavity Wall Insulation EEAC Schemes	134	£300	£40,200
Cavity Wall Insulation Warm Deal	279	£371	£103,478
Draught proofing Warm Deal	442	£100	£44,200
Condensing Boiler Installations EEAC Scheme	43	£2198	£94,534
Central Heating Installations Scottish Executive	323	£2,500	£807,500
Loft Insulation for Scottish Executive Central Heating Scheme	248	£302	£75,028
Cavity Wall Insulation for Scottish Executive Central Heating Scheme	70	£360	£25,216
Draught proofing for Scottish Executive Central Heating Scheme	287	£100	£28,700
Loft Insulation Warm Deal for Local Authorities	662	£254	£168,000
Central Heating Installations Warm Deal for Local Authorities	4	£2,500	£10,000

3.5 OUTPUTS FROM THE MEASURES

The total percentage improvement in the home energy efficiency across all sectors of the stock between 1 April 1997 and 31 March 2005 is 21.14%, with an associated reduction in carbon dioxide (CO₂) emissions of 18.75%.

The incremental improvement for the period between 1 April 2003 and 31 March 2005 is 5.75%, with associated reduction in carbon dioxide (CO₂) emissions of 5.84%.

The comparison figures are more fully illustrated in Appendix 3.

3.6 NUMBER OF JOBS CREATED

The Wise Group Intermediate Labour Market (ILM) Partnership continues to have a significant influence on job creation within this authority. This project has the combined effect of creating employment opportunities and providing energy efficiency improvements to Council housing stock.

Over the period of this report 25 trainees, from an intake of 169, have succeeded in finding permanent employment within industry and commerce.

In conjunction with these numbers, this report uses the multipliers of 1 direct job created for £40,000 of investment and 1 indirect job for every £70,000 of investment.

Based on this assumption, within the East Ayrshire authority, the employment created by the expenditure over the period of this report would be 301 direct job years, and 172 indirect job years.

This authority supports the Warm Deal initiative and this has resulted in 27 placements being created over the period of the Report.

3.7 EMISSIONS OF OXIDES OF SULPHUR AND NITROGEN (SO_x & NO_x)

For this progress report, the opportunity has been taken to assess the reductions in SO_x and NO_x emissions which have been achieved by East Ayrshire Council.

Since the beginning of HECA, a reduction of 1,211,316 GJ has resulted in a reduction in SO_x of 333 tonnes and a reduction in NO_x of 160 tonnes.

Reductions achieved for the period of this report are 91 tonnes SO_x and 44 tonnes NO_x.

This report uses the emission coefficients of 0.99 kg of SO_x and 0.475 kg of NO_x for 1 MWh of energy consumption.

3.8 SAVINGS IN FUEL USE AND FUEL BILLS

An estimate of average savings in fuel bills and kilowatt hours of fuel used has been made and these figures are included in item 6 Summary.

4 **PERSONAL CIRCUMSTANCES / FUEL POVERTY**

The provision of a Fuel Poverty Strategy is a requirement of the Housing (Scotland) Act 2001. The East Ayrshire Fuel Poverty Strategy was published in April 2005. The strategy forms a core part of the East Ayrshire Local Housing Strategy, and supports the strategy's aim of "Improving Residents' Satisfaction with the Home and the Surrounding Environment."

The Aim of the Fuel Poverty Strategy is to meet the targets set in the Scottish Fuel Poverty Statement 2002:

- To achieve the short term target of a 30% reduction in the number of people in fuel poverty in Scotland, as shown in the 2002 Scottish House Condition Survey, by 2006;
- To meet the 2010 target which has yet to be quantified by the Scottish Executive;
- To completely eradicate fuel poverty in East Ayrshire by 2016

According to the Scottish House Condition Survey results for East Ayrshire this would mean that 1800 households must be removed from fuel poverty by 2006 and a further 4200 must be removed by 2016 to achieve the target of complete eradication.

There are a number of issues which will act as barriers to achieving complete eradication.

Through the strategy we will try to find solutions to the barriers which are outlined below:

- **Fuel Prices** – We have no control over constantly fluctuating fuel prices
- **Hidden Households** – Households in fuel poverty are difficult to identify and regardless of what action we take to identify them, it is inevitable that some will remain hidden
- **Grant Funding** – much of the grant funding available is targeted specifically at certain groups and there will be some households in or at risk of fuel poverty who are not eligible for grants to relieve their situation. Furthermore the sums available for grants are often cash limited and as such are unable to address all who are eligible
- **Construction Type** – The construction of many properties is not appropriate for cost effective energy efficiency measures

- **Income Maximisation** – We can provide advice on how to maximise income, reduce fuel costs through changing tariffs and or supplier and can provide energy efficient homes but there will always be individuals for whom only an increase in their absolute income (through higher benefit levels etc) will remove them from fuel poverty

Objectives

We have identified a number of objectives to enable us to meet the aims of the strategy:

- Identify low income households at risk of fuel poverty and maximise their household income
- Identify those properties with poor thermal efficiency and put in place practical measures to improve this
- To determine what resources are available locally to tackle fuel poverty
- To develop local partnerships to tackle fuel poverty and ensure robust referral mechanisms are in place between partners

To help people to help themselves by raising public awareness

The delivery of these objectives will be achieved via the implementation of the Action Plan, which forms an integral part of the strategy document.

4.1 INITIATIVES AIMED AT TACKLING FUEL POVERTY

- Any energy efficiency improvements carried out on our own stock have mainly been of a benefit to the “Fuel poor” since a very high percentage of our tenants receive state benefits and are therefore more likely to fall into that category.
- The Council has promoted both the Warm Deal and Free Central Heating grants for our own tenants and for all other housing throughout the authority via direct mailings with Council Tax Renewals Notices. These grants are also detailed in The Council magazine and website.
- The Council has a “Preferred Supplier” arrangement with Scottish and Southern Energy which assists new tenants to reduce their fuel costs through The Wise Group project and from an allocation of free low energy lamps.
- During a week of special events to commemorate Warm Homes Week, energy advice was specifically aimed at our primary school children, in the form of an energy efficiency poster competition. Prizes for this were provided through some of our partnerships.

- Our HELP initiative with EAGA and Scottish Gas resulted in 132 households benefiting from our arrangements with charity partners and 20 low income households being granted additional benefits, as a result of The Benefit Health Check.
- In financial year 2004/2005, local authority Warm Deal funding enabled The Council to provide energy savings grants to fuel poor households within the private sector. These households benefited from Warm Deal type measures, central heating systems and financial assistance in changing their existing fuel to gas. This initiative was very much appreciated by the recipients and it is hoped that Communities Scotland will continue to provide funding of this nature in the future, perhaps at an increased level.

5 LOOKING FORWARD

East Ayrshire Council continues to place a high value on the condition of our housing stock in relation to tackling dampness, poor insulation and inefficient heating systems and in so doing will be addressing some of the issues raised in the Scottish Housing Quality Standard (SHQS).

5.1 WORKS

The Council's programme to replace old (15 – 20 years of age) gas central heating systems will be continued and condensing combination boilers will be fitted where possible.

The Council will continue to promote the Scottish Executive's Central Heating Programme mainly to publicise the benefits of this scheme to the private rented and owner occupied sectors.

Our programmes of external cladding, re-roofing and timber door replacement with uPVC units will continue, thereby improving the energy efficiency and comfort levels of the household.

It is the intention of this Authority to continue our successful partnerships with Scottish Gas, Scottish Power and Scottish and Southern Energy and endeavour to maximise the benefits available to us from their EEC 2 initiatives.

We are about to embark on a new partnership with Scottish Gas, known as the "Private House Funding Initiative" where we will identify areas of privately owned housing to be targeted by them, so that an offer of significantly subsidised energy efficiency measures can be made.

Our partnership with The Wise Group continues and full use of their services will be made in follow up visits to our new central heating installations, where they will provide energy advice and install any required energy efficiency measures. Consideration will be given to prioritising their efforts in areas of fuel poverty as identified by the Fuel Poverty mapping facility.

The Wise Group Audit Team in conjunction with our Homes function, are about to embark on a survey and energy audit of our housing stock, relative to this Authority achieving the Scottish Housing Quality Standard (SHQS).

It had been our intention to once again target the fuel poor in The Private Sector with the help of Local Authority Warm Deal funding, but we have recently been advised that this funding was not available for 2005/2006. We consider this a very retrograde step which will have a negative impact on our work within The Private Sector.

It is our intention to establish a new partnership with registered social landlords within our Authority, with East Ayrshire Council taking the lead role in coordinating the provision of information on Energy Efficiency Awareness together with grants and other funding sources which are available.

5.2 GRANTS AND LOANS

East Ayrshire Council will continue to promote and support the various initiatives led by the Scottish Executive, namely The Central Heating Programme, Warm Deal and New Deal and maximise the benefits derived from them.

We will continue to make full use of the fuel utilities' EEC initiatives to supplement Warm Deal and Wise Group funding, allowing us to carry out additional energy efficiency measures. We will also avail ourselves of the benefits of other schemes such as kettle exchanges, fridgesavers and low energy lamps.

The Council will support the ideas and initiatives of the EEAC in order to increase the take up of energy efficiency improvement measures in the non-council sectors and will promote their Warm Homes, Healthy Warm Homes and Private Householders Insulation schemes. In partnership with the EEAC, we are actively considering a programme of energy efficiency lessons for school children.

5.3 INFORMATION, ADVICE, EDUCATION AND PUBLICITY

The Council's Energy Advice Unit will continue to coordinate the provision of information, advice, education and publicity in a proactive manner throughout the Authority. The unit will also direct and monitor the activities of The Wise Group and support the concept of the Intermediate Labour Market (ILM).

With the continued support of the Fuel Utilities through their EEC funding, we will stage several roadshows throughout the Authority. These will be Energy Awareness Days and will include kettle exchanges and the distribution of free low energy lamps. Our local EEAC will also take the opportunity to have home energy questionnaires completed.

We will once again, in partnership with EAGA, enclose publicity material

for The Scottish Executive's Central Heating and Warm Deal initiatives as part of our Council Tax Renewal Notices.

6 **SUMMARY: 1 April 2003 – 31 March 2005**

Reduction in CO ₂ emissions	5.84%
Reduction in CO ₂ emissions	22.96 kilo tonnes
Energy efficiency improvement	5.75%
Cost of Works	£12,053,024
Number of dwellings improved	11,822
Number of jobs created	473
Average savings in fuel bills per household	£46.99
Average savings in kilowatt hours per household	1621

This Fourth progress report for East Ayrshire Council indicates the energy efficiency improvements and strategies for the period 1 April 2003 to 31 March 2005.

We are committed to achieving the targets set, in the belief that many benefits will be gained:

- Reduction in harmful emissions
- Reduction in fuel bills
- Reduction in Fuel Poverty
- Improvement in health
- Improved quality of life for the low income or elderly
- The creation of jobs

7 **LOCAL AUTHORITY CONTACT**

The East Ayrshire Council Contact Officer responsible for this Report is

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APPENDIX 1

THE WISE GROUP

This partnership was established in April 1997 and is still going strong, providing East Ayrshire Council with the installation of many energy efficiency measures and in return, allowing the long-term unemployed to train and gain work experience in a variety of activities.

Much of the efforts of the project have been directed at the elderly, the vulnerable and low income groups.

Funding for energy efficiency improvements for the period of this report totalled approximately £800,000 and resulted in the following energy efficiency works being carried out.

- 1155 houses have had loft insulation installed
- 68 houses have had cavity wall insulation installed
- 1184 house have been draught proofed
- 2310 houses have benefited from energy advice / audit
- 680 houses have had radiator panels installed

APPENDIX 2

SOUTH WEST SCOTLAND ENERGY EFFICIENCY ADVICE CENTRE (EEAC)

Warm Homes

This successful HECAction enabled this initiative to continue until September 2003 when it was replaced by the “New Boiler Grant Scheme” which offers a grant of £100 towards the cost of a condensing boiler.

Healthy Warm Homes

Also funded by HECAction this initiative has successfully continued over the period of this report. The object of this scheme is to improve insulation and upgrade heating systems in the houses of people suffering from heart disease and respiratory disease and is supported by Ayrshire and Arran NHS.

Private Households Insulation Scheme

This initiative continues to be extremely popular with private households. The savings achievable from this scheme have been made possible by Energy Efficiency Commitment (EEC) funding provided by Scottish Power.

Private Landlord Boiler Scheme

This scheme which is again supported by Scottish Power, provides private landlords with a grant of £500 towards the cost of installing an energy efficient condensing boiler in their properties.

A synopsis of work done by the various EEAC initiatives can be found in section 3.4 “Cost of Measures”.

APPENDIX 3

**HECA PROGRESS SPREADSHEET
Comparison: April 1997 to March 2005**

	April 1997 Base Data		31 March 2003 Results		31 March 2005 Results	
Total number of dwellings	56518		56518		56518	
Summary of Current State	Potential	% of potential to which measure applied	Potential	% of potential to which measure applied	Potential	% of potential to which measure applied
Hot water tank insulation	53690	58%	53712	96	53712	97%
Draught stripping (>39%)	56518		56518	80	56518	84%
Cavity wall insulation	42807	51%	43526	60	43526	67%
Loft insulation (100mm or more)	42445	97%	46314	85	46314	87%
Double glazing	56518		56518		56518	
Full House		40%		65		74%
Half House		12%		15		30%
Heating systems (total number)	56518		56518		56518	
Condensing Boilers		0%		2		14%
Central heating (<=12 years old)		24%		72		74%
Central heating (>12 years old)		57%		15		10%
Room Heaters		18%		10		4%
Improvement Summary: Tenure	Nominal energy use (GJ)	Nominal CO₂ emissions (tonnes)	Nominal energy use (GJ)	Nominal CO₂ emissions (tonnes)	Nominal energy use (GJ)	Nominal CO₂ emissions (tonnes)
Owner Occupied	3,840,000	266,000	3,317,602	227,436	3,216,604	221,673
Local Authority	1,640,000	109,000	1,297,721	97,734	1,148,120	82,007
Private rented	0	0	0	0	0	0
Other (inc. Housing Associations)	250,000	18,000	232,885	17,115	211,097	15,659
HECA Spreadsheet total (will aggregate automatically)	5,730,000	393,000	4,848,208	342,285	4,575,821	319,339
				- additional measures	57137.07088	16.4438163
				Total	4518683.929	319322.5562
					Change in Nominal energy use (GJ)	Change in Nominal CO₂ emissions (tonnes)
Total Change (1997 – 2005)					-1,211,316	-73,677
Total Percentage Change (1997 – 2005)					-21.14%	-18.75%
Incremental Change (2003 – 2005)					-329,524	-22,962
Incremental Percentage Change (2003 – 2005)					-5.75%	-5.84%

APPENDIX 4

ACKNOWLEDGEMENTS

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- Various Departments within the council
- Energy Action Grants Agency (EAGA)
- Energy Action Scotland (EAS)
- Energy Saving Trust (EST)
- South West Scotland Energy Efficiency Advice Centre (EEAC)
- Scottish HECA officers Network (SHON)
- The Wise Group
- Scottish Power
- Scottish Gas
- Scottish & Southern Energy Plc
- Local Network Installers
- Registered Social Landlords (RSLs)