

Improving Energy Efficiency in Buildings: Resources Guide for Local Authorities

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Introduction

“Improving Energy Efficiency in Buildings: Resources for Local Authorities” has been developed by the Department of Energy and Climate Change (DECC) and the Department for Communities and Local Government (DCLG). It is intended to act as a resource for local authority personnel who are involved in climate change mitigation in the built environment to support the planning and delivery of projects.

Local authorities are uniquely placed to assess the needs of their local areas and residents and to act as catalysts for change to improve the energy efficiency of, and reduce carbon emissions from buildings. These resources can support that role.

This collection of resources will also support local authorities as they prepare reports required by new guidance under the Home Energy Conservation Act 1995 (HECA)¹ on measures they propose to take to significantly improve the energy efficiency of residential accommodation in their areas.

This document draws on existing resources and is not intended to replicate good practice information that is already in existence. It does not replicate official documents and procedures; many are referenced throughout to support engagement of local authorities in development and delivery of policies through industry and supply chain arrangements. Instead it is designed to bring together and categorise tools, models, knowledge, case studies and datasets which can be used and adapted at local levels to meet local authority needs. Live links are provided to resources to allow swift access by individuals.

This document is structured as follows:

Section 1 Support for Retrofit and Green Deal Delivery

- Local Authority Strategic Role
- Financing Retrofit
- Retrofit Issues

Section 2 Enabling Retrofit and Green Deal Delivery

- Enabling Communities and Driving Behaviour Change
- Take up in the Private Rented Sector
- Promoting Energy Efficiency through Planning and Building Control Systems

Section 3 Zero Carbon New Build

¹ www.decc.gov.uk/assets/decc/11/tackling-climate-change/saving-energy-co2/5992-guidance-to-english-energy-conservation-authoritie.pdf

How to Use this Document

Summary descriptors of resources are included for reference purpose. Each resource lists the following information:

- Resource name
- Online location
- Access restrictions and availability
- Who and what the resource may be useful for; and
- Resource type

Resources are structured in a way to offer links to online resources directly from this document dependant on user internet firewalls.

1. Support for Retrofit and Green Deal Delivery

There are a number of ways that local authorities might directly support the delivery of Green Deal in their local area. These include setting the strategic framework to guide delivery activity in their area; leading the way by improving the energy efficiency of their own buildings; providing finance for retrofit or identifying other funding sources; and working to overcome barriers to action in their local area.

1.1. Local Authority Strategic Role

Successful delivery of energy efficiency investment in a local area can be dependent on local understanding of the opportunities that exist and the priorities for action. The following datasets can all help local authorities develop that understanding, by providing information about current levels of carbon emissions, fuel poverty levels, and the likely energy efficiency of the housing stock in the local area.

Local and regional CO₂ emissions estimates for the domestic, industrial and commercial, and road transport sectors 2005-2009	DECC dataset with estimated per capita carbon dioxide emissions from the domestic, industrial and commercial, and road transport sectors, for every second tier local authority area in the UK. County and regional totals / averages given for Counties and Regions in England and for devolved nations. Dataset updated annually
Available at: http://www.decc.gov.uk/en/content/cms/statistics/climate_stats/gg_emissions/uk_emissions/2009_laco2/2009_laco2.aspx	
Freely available to download. Updated annually	
Useful for: sustainability/environment; strategy and policy	
Resource type: dataset	

DECC statistics for local authorities	DECC webpage with links to a series of energy datasets that could be of use to local authorities: historic data; data on fuel poverty levels at LA, LLSOA and various other sub-regional levels; LA level energy consumption data (gas consumption, electricity consumption, road transport fuel consumption, other fuels; also gas and electricity and MLSOA and, for domestic sector only, at LLSOA); link to spreadsheet listing large range of other potentially useful datasets; set of interactive maps illustrating some of the key datasets
Available at: http://www.decc.gov.uk/en/content/cms/statistics/local_auth/local_auth.aspx	
Freely accessible to download (xls files)	
Useful for: Facilities management; HECA; fuel poverty; housing; strategy and policy; sustainability / environment	
Resource type: Dataset; web portal / database	

Energy Saving Trust	The Energy Saving Trust offers a range of resources and services that can be useful to local authorities and housing providers. This webpage provides information about all of these.
Available at: http://www.energysavingtrust.org.uk/Organisations/Local-delivery	
Range of free resources and paid for services	
Useful for: HECA; fuel poverty; housing; strategy and policy; sustainability / environment	
Resource type: services and web pages	

EPC Register	The Energy Performance Certificate Register is a central register which stores completed Energy Performance Certificated, Display Energy Certificates and Air Conditioning Inspection Reports. Useful for identifying those buildings for which an EPC already exists to target offers and support at the building owners or occupiers. There is further guidance available here: http://www.communities.gov.uk/publications/planningandbuilding/epcdataguidance2012
Available at: http://www.epcregister.com/	
Individual certificates free to download, bulk data packages can be purchased	
Useful for: sustainability/environment; HECA; fuel poverty; housing	
Resource type: dataset	

English Housing Survey	Webpage with links to reports from the English Housing Survey. Provides national level information about a range of aspects of the housing stock, including energy efficiency
Available at: http://www.communities.gov.uk/housing/housingresearch/housingsurveys/englishhousingsurvey/ehspublications/	
Freely available to download - pdf and xls files	
Useful for: housing; HECA; fuel poverty	
Resource type: research report	

When priorities have been identified, local authorities can determine the role that they wish to play in delivery of investment in the local area. The next set of resources offer insights into potential roles and partnerships for delivery. They cover: the policy context within which local authorities are acting; information specific to the delivery of the Green Deal itself; more general guides to working with energy suppliers, setting up area-based approaches and delivering affordable warmth; and specific information on the findings from the Government's Local Carbon Frameworks pilots, which were designed to explore the roles that local authorities could play.

Key energy policies and legislation	DECC portal with links to energy and climate change policies and legislation - lists recent updates, all documents A-Z and also allows a search by topic area. Key source of up to date information about UK and EU policy and legislation across DECC work areas
Available at: http://www.decc.gov.uk/en/content/cms/legislation/legislation.aspx	
Freely accessible online	
Useful for: Legal; strategy and policy; sustainability / environment	
Resource type: web portal / database	

Green Deal: Local Authorities	DECC information page on implications of the Green Deal for local authorities. Includes a downloadable pdf information note. Topics include potential roles for local authorities and likely benefits to local communities
Available at: http://www.decc.gov.uk/en/content/cms/tackling/green_deal/gd_industry/gd_la/gd_la.aspx	
Freely accessible web page and freely downloadable pdf	
Useful for: Economic development; Finance; HECA; fuel poverty; Housing; Strategy and policy; Sustainability / environment	
Resource type: legislation and policy	

Green Deal Provider Guide	DECC guide giving an overview of key information for organisations thinking about becoming Green Deal providers. Includes: what a Green Deal provider is; possible business models; how to become a provider; how to gain authorisation; and expectations of providers.
Available at: http://www.decc.gov.uk/assets/decc/1/tackling-climate-change/green-deal/4964-green-deal-providers-guide.pdf	
Freely accessible web page	
Useful for: sustainability / environment; economic development; finance; HECA; housing; legal; strategy and policy	
Resource type: legislation and policy	

Current information on the Green Deal, including guidance documents, are at:
www.decc.gov.uk/en/content/cms/tackling/green_deal/greendeal_guid/greendeal_guid.aspx

Evaluation of CERT	Report evaluating activity in response to the energy suppliers' Carbon Emissions Reduction Target. Includes an assessment of different delivery methods and the role of local authorities within these. Published in 2011
Available at: http://www.decc.gov.uk/assets/decc/11/funding-support/3339-evaluation-of-the-delivery-and-uptake-of-the-carbo.pdf	
Freely available downloadable pdf	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: research report	

Evaluation of the CESP programme	Report evaluating the impact of the area-based approaches taken under the Community Energy Savings Programme. Includes information on the approaches taken to scheme delivery; local authority role and expectations; local authority-energy supplier partnerships, and how to make this type of scheme a success
Available at: http://www.decc.gov.uk/assets/decc/11/funding-support/3342-evaluation-of-the-community-energy-saving-programm.pdf	
Freely available downloadable pdf	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: research report	

Climate Local	Local Government Association led initiative to support local authority action on climate change. Provides a framework through which local authorities can determine their own local ambitions. Website will include a host of guides, resources and an online community
Available at: http://www.local.gov.uk/web/guest/the-lga-and-climate-change-/journal_content/56/10171/3574359/ARTICLE-TEMPLATE	
Web page with links to free to download files	
Useful for: sustainability/environment; HECA; fuel poverty; housing	
Resource type: web portal	

Area-based approach Best Practice Guide	Energy Saving Trust produced guidance on the different strategies that can be employed by local authorities to implement area based approaches to energy efficiency improvement
Available at: http://www.energysavingtrust.org.uk/Publications2/Local-authorities-and-housing-associations/Existing-housing/Area-Based-Approach-Best-Practice-Guide	
Freely available to download	
Useful for: Sustainability/environment; housing; strategy and policy	
Resource type: good practice guide	

Re:NEW project reports	<p>Reports detailing progress to date with the GLA's RE:NEW London-wide programme for homes retrofit. Includes case studies of pilot schemes and also a good practice manual explaining how to set up a scheme within the RE:NEW programme</p>
Available at: http://www.london.gov.uk/priorities/environment/climate-change/energy-efficiency/implementing-renew-locally	
Web page with links to free to download pdf files	
Useful for: HEC, fuel poverty, housing	
Resource type: good practice guide; case studies	

Addressing the affordable warmth needs of communities	<p>2011 toolkit from National Energy Action. This document takes local authorities through the steps they can take to develop an effective response to the problem of fuel poverty in their local area. Topics covered include: benchmarking, understanding fuel poverty in the local area, agreeing vision, target and tactics, delivering affordable warmth and reviewing progress</p>
Available at: http://www.nea.org.uk/policy-and-research/publications/publications-2011/affordable-warmth-toolkit	
Free to download pdf file	
Useful for: Environmental Health; fuel poverty	
Resource type: good practice guide	

Local Carbon Frameworks pilots	<p>DECC web page that includes a downloadable xls spreadsheet giving details of each of the projects carried out under the pilot, with web links to further information where available. Wide range of projects including many applicable to work on energy efficiency in buildings</p>
Available at: http://www.decc.gov.uk/en/content/cms/tackling/saving_energy/what_doing/local_councils/carbon_frames/	
Freely available web page and downloadable xls file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: web portal / database	

Evaluation of the Local Carbon Frameworks pilot	<p>Report on the outputs from the nine Local Carbon Frameworks pilot areas, written for the LGA and DECC in 2011. Includes summaries of the projects undertaken in the nine pilot areas and also a series of learning themes from the programme as a whole: housing retrofit and the Green Deal; sustainable energy generation; mainstreaming carbon reduction - measuring impact; enhancing reputation - cross-sectoral partnerships; and winning hearts and minds</p>
Available at: http://www.cagconsultants.co.uk/resources/Local_Carbon_Framework_Pilots/Evaluation%20of%20the%20Local%20Carbon%20Framework%20Pilots.pdf	
Freely available to download pdf file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: project report; case studies	

Local authorities, in improving the energy efficiency of their own estate, can be central to setting an example and building credibility as a lead in this field. The following resources may help them in the task of delivering energy efficiency improvements to their buildings.

The Carbon Trust	<p>The Carbon Trust offers a range of services and resources for local authorities, which will be helpful for work on own estate carbon emissions and with schools and other public sector organisations. Carbon Trust services for the private sector will also be a useful resource for partnership working</p>
Available at: http://www.carbontrust.com/home	
The 'contact us' section of the website allows messages to be sent requesting further information about any of the services that the organisation provides	
Useful for: asset management; sustainability/environment; facilities management; finance	
Resource type: service	
Westminster sustainable business forum publications	<p>Webpage listing publications on sustainable public sector estates management; can provide ideas for a strategic approach to reducing carbon emissions through estate management</p>
Available at: http://www.policyconnect.org.uk/wsbfr/esearch	
Freely available pdf reports to download	
Useful for: Asset management; sustainability / environment; finance	
Resource type: research report	
CRC energy efficiency scheme	<p>DECC web page. Gives latest information on developments in this policy. Also has links to series of downloadable case studies detailing how a range of public and private sector organisations have dealt with CRC (http://www.decc.gov.uk/en/content/cms/emissions/crc_efficiency/case_studies/case_studies.aspx)</p>
Available at: http://www.decc.gov.uk/en/content/cms/emissions/crc_efficiency/crc_efficiency.aspx	
Freely available web page and downloadable pdf files	
Useful for: facilities management; asset management	
Resource type: case studies; legislation and policy	

Guide to asset management	An up to date National Housing Federation guide to effective asset management for social housing providers. The focus is on a series of key drivers, including energy efficiency and sustainability
Available at: https://www.housing.org.uk/OnlineStore/Default.aspx?tabid=44&action=INVPProductDetails&args=11639	
£45 to non members; £39 to members	
Useful for: Asset management; housing	
Resource type: good practice guide	

A vital part of any process of developing and delivering a strategic role is the evaluation of current performance in this role. The next resource is designed to provide a framework for this self- assessment.

CSE Local Carbon Management Matrix	A spreadsheet-based self-assessment tool designed to help local authorities understand their influence on local carbon emissions. Can be used to evaluate current status and also to plan improvement programmes. Covers strategic approach, domestic energy efficiency, business energy efficiency, the public sector, renewables and low carbon technologies, own transport and local transport. Allows user to rate the local authority across key levers within each of these areas, against a set of clearly defined performance levels
Available at: http://www.cse.org.uk/projects/view/1082	
Freely available to download	
Useful for: Strategy and policy; sustainability / environment	
Resource type: Tool	

1.2. Financing Retrofit

Local authorities might choose to finance energy efficiency investments in existing buildings. This may be to ensure that activity in the local area occurs quickly and at scale, or to fill in gaps in the provision of finance from other sources. The resources in this section include some general guides to financing projects, and to where money can be found; further information on finance for social and low income housing investment; and potential sources of funding for work in non-domestic buildings.

The following two resources are general ones that will help authorities in the strategic planning of how to fund energy efficiency projects and in the search for potential funders.

Green Finance guide	Guide to financing low carbon projects. Written by KPMG for the CLASP programme, the guide explains how to build a business case for low carbon projects, how to identify financial risks involved in proposed projects, how to structure projects for effective delivery, and the main financing options.
Available at: http://www.claspinfo.org/sites/default/files/Green%20Finance.pdf	
Free to download pdf file	
Useful for: asset management, finance, sustainability / environment	
Resource type: good practice guide	

Local Authority Funding Guide	Produced by the West Midlands Local Authority Low Carbon Economy programme in 2011. A guide to all the main sources of funding that a local authority could look to, to support energy efficiency and renewable energy retrofit programmes
Available at: http://www.sustainabilitywestmidlands.org.uk//media/resources/Local+Authority+Funding+Guide+FINAL[1].pdf	
Free to download pdf file	
Useful for: asset management, facilities management, finance, fuel poverty, housing	
Resource type: research report; web portal / database	

This next set of resources concern investment in energy efficiency in social housing and in the homes of other low income, vulnerable households.

New finance mechanisms for housing	Report on financial viable refurbishment of housing stock to achieve significant carbon emissions reduction targets. Details the results from a range of modelled scenarios and could be helpful for determining a strategic approach to energy efficiency investment in social housing portfolios
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPh publications / social and private rented housing / social housing / social housing finance and strategy). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Asset management; housing	
Resource type: research report	

Energy Efficiency Partnership for Homes Knowledge Base	Source for research and workshop reports by the Energy Efficiency Partnership for Homes and its partners. Wide range of energy efficiency topics covered, such as marketing home refurbishment, attitudes in the private rented sector, tackling hard to treat homes, energy performance certificates, and finance for energy efficiency in social housing
Available at: http://www.eeph.org.uk/resources/	
Login requires membership of the Partnership. Further information available here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Sustainability/ environment; housing	
Resource type: web portal	

Foundations' energy efficiency guidance for Home Improvement Agencies	Contains information about how Home Improvement Agency staff can access various pots of energy efficiency funding to help vulnerable householders
Available at: http://wwwFOUNDATIONS.uk.com/practical-info/guidance-areas-of-interest/energy/	
Freely available online	
Useful for: HECA; fuel poverty; housing	
Resource type: web page	

The final set of resources in this section concern funding investment in non-domestic properties, and can be useful to local authorities in their work on their own properties and also in partnership and advisory working with other public sector (e.g. health service providers) and private sector organisations (e.g. major employers) in the local area.

Westminster sustainable business forum publications	Webpage listing publications on sustainable public sector estates management; can provide ideas for a strategic approach to reducing carbon emissions through estate management
Available at: http://www.policyconnect.org.uk/wsbfr/research	
Freely available pdf reports to download	
Useful for: Asset management; sustainability / environment; finance	
Resource type: research report	

The Carbon Trust	The Carbon Trust offers a range of services and resources for local authorities, which will be helpful for work on own estate carbon emissions and with schools and other public sector organisations. Carbon Trust services for the private sector will also be a useful resource for partnership working
Available at: http://www.carbontrust.com/home	
The 'contact us' section of the website allows messages to be sent requesting further information about any of the services that the organisation provides	
Useful for: asset management; sustainability/environment; facilities management; finance	
Resource type: service	

1.3. Retrofit Issues

There are a number of key issues facing Local Authorities in implementing retrofit projects including the need to address the private rented sector, the technical and economic difficulties in improving hard to treat homes, and the specific needs of vulnerable and fuel poor households.

This section starts with a number of general resources that offer insights across more than one of these key issues.

Local Carbon Frameworks pilots	DECC web page that includes a downloadable xls spreadsheet giving details of each of the projects carried out under the pilot, with web links to further information where available. Wide range of projects including many applicable to work on energy efficiency in buildings
Available at: http://www.decc.gov.uk/en/content/cms/tackling/saving_energy/what_doing/local_councils/carbon_frames/	
Freely available web page and downloadable xls file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: web portal / database	

Evaluation of the Local Carbon Frameworks pilot	Report on the outputs from the nine Local Carbon Frameworks pilot areas, written for the LGA and DECC in 2011. Includes summaries of the projects undertaken in the nine pilot areas and also a series of learning themes from the programme as a whole: housing retrofit and the Green Deal; sustainable energy generation; mainstreaming carbon reduction - measuring impact; enhancing reputation - cross-sectoral partnerships; and winning hearts and minds
Available at: http://www.cagconsultants.co.uk/resources/Local_Carbon_Framework_Pilots/Evaluation%20of%20the%20Local%20Carbon%20Framework%20Pilots.pdf	
Freely available to download pdf file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: project report; case studies	

Energy Efficiency Partnership for Homes Knowledge Base	Source for research and workshop reports by the Energy Efficiency Partnership for Homes and its partners. Wide range of energy efficiency topics covered, such as marketing home refurbishment, attitudes in the private rented sector, tackling hard to treat homes, energy performance certificates, and finance for energy efficiency in social housing
Available at: http://www.eeph.org.uk/resources/	
Login requires membership of the Partnership. Further information available here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Sustainability/ environment; housing	
Resource type: web portal	

The next resource supports the key local authority role of addressing the private rented sector using the Housing Health and Safety Rating System

HHSRS guidance and template letters for installers and environmental health officers	Guidance and template letters explaining and facilitating the necessary action under HHSRS when a landlord refuses to allow energy efficiency work on a property
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPh publications /fuel poverty / HHSRS task group). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Environmental Health; fuel poverty	
Resource type: Model documents	

Addressing the issue of affordable warmth can involve direct intervention by the Local Authority. It can also involve partnership working with local health professionals and others to identify those in need of help and refer them to the appropriate schemes. The resources below offer help to both these approaches.

Foundations' energy efficiency guidance for Home Improvement Agencies	Contains information about how Home Improvement Agency staff can access various pots of energy efficiency funding to help vulnerable householders
Available at: http://www.foundations.uk.com/practical-info/guidance-areas-of-interest/energy/	
Freely available online	
Useful for: HECA; fuel poverty; housing	
Resource type: web page	

Health and winter warmth factsheet	A factsheet for staff involved in health sector and local authority partnerships (e.g. affordable warmth networks) explaining the basics of fuel poverty, of the health impacts of cold homes, and of the types of action the health sector could take to alleviate the problem. Although this is a 2007 publication the basic facts remain the same
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPH publications /fuel poverty / health subgroup). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: fuel poverty; HECA; environmental health; housing	
Resource type: materials	

Housing Health and Fuel Poverty Forum	Website containing a wealth of information about a partnership working and referrals network approach in use to tackle fuel poverty in the Greater Manchester area. Lots of information about the scheme and links to useful resources on all aspects of warm healthy homes
Available at: http://www.warmerhealthyhomes.org.uk/	
Lots of information on the website itself, plus series of documents (pdfs) freely available to download	
Useful for: fuel poverty; HECA; environmental health; housing	
Resource type: materials; case studies	

Addressing the affordable warmth needs of communities	2011 toolkit from National Energy Action. This document takes local authorities through the steps they may need to develop an effective response to the problem of fuel poverty in their local area. Topics covered include: benchmarking, understanding fuel poverty in the local area, agreeing vision, target and tactics, delivering affordable warmth and reviewing progress
Available at: http://www.nea.org.uk/policy-and-research/publications/publications-2011/affordable-warmth-toolkit	
Free to download pdf file	
Useful for: Environmental Health; fuel poverty	
Resource type: good practice guide	

The final set of resources in this section offer ideas for tackling hard to treat homes.

Delivery tools used to improve Hard to Treat homes	Case studies of approaches taken by local authorities and others to tackle energy efficiency in hard to treat properties, produced by the Association for the Conservation of Energy, for the Energy Efficiency Partnership for Homes. Provides access to further information about a range of approaches and will be useful to those looking for initial ideas in this area
Available at: http://www.ukace.org/index.php?option=com_content&task=view&id=593&Itemid=45	
Freely available.	
Useful for: sustainability/environment; housing	
Resource type: case study	

Energy heritage: a guide to improving energy efficiency in traditional and historic homes	<p>A good practice guide to tackling energy efficiency in traditional and historic homes based on the findings of a practical project carried out on tenement buildings in the City of Edinburgh. The technical package applied will be specific to these types of building, but the process reported in the guide is of use to anyone wishing to improve energy efficiency in buildings where there may be planning and public acceptability barriers to overcome</p>
Available at: http://www.changeworks.org.uk/projects/energy-heritage/544/	
Freely available to download	
Useful for: sustainability/environment; housing; planning and development control	
Resource type: good practice guide	

2. Enabling Retrofit / Green Deal Delivery

Local authorities can do a great deal to enable others in their local communities to take action on energy efficiency. The resources in this section cover some of the key areas in which local authorities can take this enabling action: working with community intermediaries, working with private sector landlords and tenants, and developing planning and building control policies and practices that encourage greater investment in energy efficiency when other work is being done.

2.1. Enabling Communities and Driving Behaviour Change

Local authorities have an innate understanding of their local area and its people; and as such are well placed to work with a range of community-based intermediaries (ranging from schools to voluntary groups helping the elderly; from environmentally-focused voluntary groups to private landlords) to enable greater engagement with energy issues and changes to energy related behaviour.

The first resource in this section is for people who wish to understand the thinking behind the idea that community action can help to develop more energy efficient behaviour.

Mobilising behaviour change through community initiatives	2007 report from CSE for Defra, looking at the current state of knowledge on how community action could contribute to changing behaviour in the climate arena.
Available at: http://www.cse.org.uk/downloads/file/pub1073.pdf	
Free to download pdf file	
Useful for: sustainability / environment; strategy and policy	
Resource type: research report	

Local authorities that are interested in taking action here may wish to look at examples of community energy action, and the local authority role. Each of the next set of resources includes some examples of this type of work.

Local Carbon Frameworks pilots	<p>DECC web page that includes a downloadable xls spreadsheet giving details of each of the projects carried out under the pilot, with web links to further information where available.</p> <p>Wide range of projects including many applicable to work on energy efficiency in buildings</p>
Available at: http://www.decc.gov.uk/en/content/cms/tackling/saving_energy/what_doing/local_councils/carbon_frames/	
Freely available web page and downloadable xls file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: web portal / database	

Evaluation of the Local Carbon Frameworks pilot	<p>Report on the outputs from the nine Local Carbon Frameworks pilot areas, written for the LGA and DECC in 2011. Includes summaries of the projects undertaken in the nine pilot areas and also a series of learning themes from the programme as a whole: housing retrofit and the Green Deal; sustainable energy generation; mainstreaming carbon reduction - measuring impact; enhancing reputation - cross-sectoral partnerships; and winning hearts and minds</p>
Available at: http://www.cagconsultants.co.uk/resources/Local_Carbon_Framework_Pilots/Evaluation%20of%20the%20Local%20Carbon%20Framework%20Pilots.pdf	
Freely available to download pdf file	
Useful for: Economic development; finance; housing; planning and development control; schools and education; sustainability / environment	
Resource type: project report; case studies	

Evaluation of the CESP programme	<p>Report evaluating the impact of the area-based approaches taken under the Community Energy Saving Programme. Includes information on the approaches taken to scheme delivery; local authority role and expectations; local authority-energy supplier partnerships, and how to make this type of scheme a success</p>
Available at: http://www.decc.gov.uk/assets/decc/1/1/funding-support/3342-evaluation-of-the-community-energy-saving-programm.pdf	
Freely available downloadable pdf	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: research report	

Community Energy Online	<p>DECC web portal providing guidance on the development and delivery of community energy projects. Useful for local authorities involved in area-based refurbishment and community schemes that involve small scale energy generation as well as energy efficiency</p>
Available at: http://ceo.decc.gov.uk/	
Freely accessible web page; some of the resources listed require log-in to other organisations' web pages	
Useful for: economic development; finance; HECA; fuel poverty; strategy and policy; sustainability/environment	
Resource type: web portal / database	

Re:NEW project reports	Reports detailing progress to date with the GLA's RE:NEW London-wide programme for homes retrofit. Includes case studies of pilot schemes and also a good practice manual explaining how to set up a scheme within the RE:NEW programme
Available at: http://www.london.gov.uk/priorities/environment/climate-change/energy-efficiency/implementing-renew-locally	
Web page with links to free to download pdf files	
Useful for: HEC, fuel poverty, housing	
Resource type: good practice guide; case studies	

Integrating consideration of energy issues into education is a key element of increasing understanding and engagement. The next set of resources will be of use for local authority work with schools.

Teach Climate Change: classroom resources for teachers	Website with information on climate change for teachers, and links to wide range of resources that support work in schools at all key stages. Produced in the North West region, with support from a range of statutory bodies in the region
Available at: http://www.teachclimatechange.org/	
Freely accessible	
Useful for: Schools and education	
Resource type: Materials; web portal	

My 2050 schools toolkit	Series of resources for secondary school teachers to help them use the DECC my 2050 simulation tool in work about climate change and future energy systems
Available at: http://www.decc.gov.uk/en/content/cms/tackling/2050/2050_leaddebat/2050_leaddebat.aspx	
Freely downloadable resources (word and pdf files) and links to other useful websites	
Useful for: Schools and education; sustainability / environment	
Resource type: materials	

In addition to general education on the issues, specific high-quality advice is needed to enable people to take action. Some local authorities may wish to provide this advice; others may be interested in helping community organisations to develop this capability, or in ensuring the advice others offer to households in their area is useful.

The next set of resources in this section explains a little more about how to become an advice provider within the Green Deal framework, about the essentials of high quality advice provision, and about Energy Performance Certificates.

Green Deal: Advisors	<p>DECC information on how to become a Green Deal advisor, the role of advisors, and the standards they will be expected to maintain. Useful to local authorities considering providing Green Deal assessments, either independently or as part of package of Green Deal provision</p>
Available at: http://www.decc.gov.uk/en/content/cms/tackling/green_deal/gd_industry/advisors/advisors.aspx	
Freely accessible web page and freely downloadable pdf	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: legislation and policy	

Domestic Energy Efficiency Advice Code of Practice	<p>A Code of Practice for the provision of domestic energy efficiency advice, developed by the Energy Saving Trust and the Energy Efficiency Partnership for Homes. Documents provide information on elements of good practice. Signing up to the Code can provide support for the legitimacy of energy advice activities</p>
Available at: http://www.goodenergyadvice.co.uk/	
Freely accessible. Potential to register and declare compliance with one or more elements of the code	
Useful for: sustainability / environment; housing	
Resource type: tool; good practice guidance	

DCLG web pages on Energy Performance Certificates	<p>Web page linking to a series of Guidance documents on all aspects of Energy Performance Certificates</p>
Available at: http://www.communities.gov.uk/planningandbuilding/sustainability/energyperformance/	
web pages and free to download pdf files	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: legislation and policy	

Local authorities can also think about how to engage their communities in energy issues, and the following two toolkits can help with this work.

PlanLoCaL: saving energy in the home, at work or in the community	Guidance on how energy efficiency can be included within Local Plans. Useful for all organisations involved in neighbourhood planning. Part of a wider pack of resources to support this, that can be accessed from the weblink given
Available at: http://www.planlocal.org.uk/pages/what-matters-to-you/saving-energy	
Freely accessible	
Useful for: Sustainability/environment; Planning and development control; strategy and policy	
Resource type: tool	

Our Warm Community	A toolkit of resources developed to help social housing providers work on fuel poverty through community engagement and partnership working
Available at: http://www.ourwarmcommunity.org.uk/welcome	
Resources are free but requires registration so that the project team can keep you up to date with any changes	
Useful for: Housing; fuel poverty; sustainability / environment	
Resource type: Materials; tool	

An authority's key partners may also be interested in developing relationships with community organisations. The following report explores some of the issues and key success factors in this type of working.

How can energy suppliers work with community groups?	2010 report from the Sustainable Development Commission identifying the benefits of involving community groups in the delivery of energy efficiency projects. It looks at the barriers to successful partnership working between energy suppliers and community groups, and at how these barriers can be overcome
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPH publications/social and private rented housing/private rented sector). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: HECA; fuel poverty; housing; sustainability / environment	
Resource type: research report	

2.2. Take up in the Private Rented Sector

Local authorities have a regulatory role through Housing Health & Safety Rating System (HHSRS) and they can also have an endorsement role – for example, through voluntary landlord accreditation or a facilitation/communication role. These roles offer opportunities for local authorities to enable and encourage energy efficiency improvement in this sector.

The first set of resources provides background information for work in this sector, covering how the Energy Act 2011 applies to the private rented sector, the attitudes of landlords towards energy efficiency, and how the Green Deal can work in this sector.

Energy Act 2011: private rented sector	<p>DECC Policy brief on elements of the Energy Act 2011 that affect the private rented sector. The Energy Act 2011 contains potential provisions to introduce a minimum energy efficiency standard (likely to be set at EPC band 'E') for the residential and non-residential sectors from 2018. The use of these regulatory powers will be conditional on there being no net or up-front costs to landlords. Government is committed to working with the sector to develop the details of this policy in advance of a full public consultation</p>
<p>Available at: http://www.decc.gov.uk/assets/decc/11/policy-legislation/Energy%20Act%202011/3219-energy-act-2011-private-rented-sector.pdf</p>	
<p>Freely available to download</p>	
<p>Useful for: Housing; social care/welfare; environmental health; legal</p>	
<p>Resource type: legislation and policy</p>	

Private landlords survey	<p>Webpage with links to reports from the 2010 private landlords survey. National level information on the private rented sector and on landlords in this sector, includes information on HHSRS and on use of EPCs in the sector</p>
<p>Available at: http://www.communities.gov.uk/publications/corporate/statistics/privatelandlordssurvey2010</p>	
<p>Freely available to download pdf and xls files</p>	
<p>Useful for: housing; HECA; fuel poverty</p>	
<p>Resource type: research report</p>	

Green Deal: private rented sector	<p>DECC information on how the Green Deal can apply in the private rented sector. Includes a series of FAQ</p>
<p>Available at: http://www.decc.gov.uk/en/content/cms/tackling/green_deal/gd_industry/private_rented/private_rented.aspx</p>	
<p>Freely accessible web page</p>	
<p>Useful for: HECA; fuel poverty; housing</p>	
<p>Resource type: legislation and policy</p>	

The most obvious role for local authorities in this area is in the use of HHSRS to encourage energy efficiency work. The following resources can help with this role.

HHSRS guidance and template letters for installers and environmental health officers	Guidance and template letters explaining and facilitating the necessary action under HHSRS when a landlord refuses to allow energy efficiency work on a property
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPh publications /fuel poverty / HHSRS task group). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Environmental Health; fuel poverty	
Resource type: Model documents	

Your power to warm homes in the private rented sector	Guidance from National Energy Action on using HHSRS to tackle fuel poverty. Includes case studies, checklists and templates. Published in 2011
Available at: http://www.nea.org.uk/policy-and-research/publications/publications-2011/hhsrs-toolkit	
Freely downloadable pdf file	
Useful for: HECA, fuel poverty, environmental health	
Resource type: good practice guide; case studies	

Partnership working can be important in work with the private rented sector that complements and goes beyond HHSRS enforcement. The next set of resources support work with private landlords' associations and with health sector professionals.

Private Rented Sector Energy Efficiency Resource Pack	A pack of resources aimed at co-ordinators of private landlords associations; will also be useful to local authority offices working with these associations. Includes word and pdf documents: guide to EPCs; HHSRS factsheet; LESA information sheet; tenants energy efficiency checklist. Resource produced in 2008 - most of the materials remain relevant but some links in the list of additional contacts may be out of date
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPh publications/social and private rented housing/private rented sector). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: fuel poverty; HECA; environmental health; housing	
Resource type: materials	

Health and winter warmth factsheet	A factsheet for staff involved in health sector and local authority partnerships (e.g. affordable warmth networks) explaining the basics of fuel poverty, of the health impacts of cold homes, and of the types of action the health sector could take to alleviate the problem. Although this is a 2007 publication the basic facts remain the same
Available at: http://www.eeph.org.uk/	
Available in the EEPH Knowledge Base (EEPH publications /fuel poverty / health subgroup). Requires EEPH membership for login. More details here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: fuel poverty; HECA; environmental health; housing	
Resource type: materials	

Housing Health and Fuel Poverty Forum	Website containing a wealth of information about a partnership working and referrals network approach in use to tackle fuel poverty in the Greater Manchester area. Lots of information about the scheme and links to useful resources on all aspects of warm healthy homes
Available at: http://www.warmerhealthyhomes.org.uk/	
Lots of information on the website itself, plus series of documents (pdfs) freely available to download	
Useful for: fuel poverty; HECA; environmental health; housing	
Resource type: materials; case studies	

Further materials to support a range of action in the private rented sector can be found in the final resource in this section.

Energy Efficiency Partnership for Homes Knowledge Base	Source for research and workshop reports by the Energy Efficiency Partnership for Homes and its partners. Wide range of energy efficiency topics covered, such as marketing home refurbishment, attitudes in the private rented sector, tackling hard to treat homes, energy performance certificates, and finance for energy efficiency in social housing. There is a specific section containing the work of the private rented sector group
Available at: http://www.eeph.org.uk/resources/	
Login requires membership of the Partnership. Further information available here: http://www.eeph.org.uk/joining-the-partnership/	
Useful for: Sustainability/ environment; housing	
Resource type: web portal	

2.3. Promoting Energy Efficiency through Planning and Building Control Systems

Local authorities can play a central role in the delivery of an energy efficient building stock through the use of planning and building control systems. In this section the focus is on how these systems can promote increased energy efficiency investment when buildings are being refurbished or extended.

All planning activity is regulated by planning law and underpinned by a framework of national planning policy. The next resource sets out the framework for England.

National Planning Policy Framework	The National Planning Policy Framework replaces over 1,000 pages of previous planning policy documents and sets out how planning policies are expected to be applied. The Framework recognises the key role that planning plays in helping to secure reductions in greenhouse gas emissions. It makes clear that local authorities should adopt proactive strategies to mitigate and adapt to climate change and, to support the move to a low carbon future, local authorities should actively support energy efficiency improvements to existing buildings
Available at: http://www.communities.gov.uk/documents/planningandbuilding/pdf/2116950.pdf	
Freely available pdf to download	
Useful for: Planning and development control; sustainability / environment; strategy and policy	
Resource type: legislation and policy	

The next resource illustrates information that local authorities can provide to residents to help them understand and comply with the energy efficiency conditions of planning policies.

London Borough of Camden: Retrofitting Planning Guidance	Designed for residents to help them understand the planning process required if they are installing low carbon technologies in their homes (including insulation, heating and renewable energy technologies). Includes information for conservation areas and listed buildings
Available at: www.camden.gov.uk/ccm/content/environment/planning-and-built-environment/two/planning-policy/supplementary-planning-documents/filestorage/retrofitting-planning-guidance.en.jsessionid=247009C2F0D3639F073ED8DF91E6663A	
Freely available to download	
Useful for: Planning and development control; sustainability / environment	
Resource type: Model documents	

The final set of resources in this section support building control work, laying out the technical energy efficiency requirements of the building regulations and the details of the Standard Assessment Procedure for energy efficiency assessment.

Building regulations Part L	Approved document within the Building Regulations setting out minimum standards for energy efficiency of new and existing buildings (dwellings and non-dwellings)
Available at: http://www.planningportal.gov.uk/buildingregulations/approveddocuments/partl/approved	
Freely available pdf to download or small charge for printed version	
Useful for: Planning and development control; HECA; sustainability / environment	
Resource type: legislation and policy	

SAP 2009	Technical information on the current version of the Standard Assessment Procedure for energy efficiency of domestic buildings, and how this links to the production of Energy Performance Certificates. (Current information on proposed updates for 2013 can be found here: http://www.bre.co.uk/sap2012/page.jsp?id=2759)
Available at: http://www.bre.co.uk/sap2009/page.jsp?id=1642	
Free to download pdf files	
Useful for: planning and development control	
Resource type: legislation and policy	

3. Zero Carbon New Build

It is national policy that all new homes coming through the planning system from 2016 will be zero carbon. In advance of this local authorities can encourage development of zero carbon new build in their local area, working with key partners such as social housing providers and housing developers. The National Planning Policy Framework sets the scene for this type of work, and is set out in the first resource included here.

National Planning Policy Framework	The National Planning Policy Framework replaces over 1,000 pages of previous planning policy documents. Sets out how planning policies are expected to be applied and supports the move to a low carbon future
Available at: http://www.communities.gov.uk/documents/planningandbuilding/pdf/2116950.pdf	
Freely available pdf to download	
Useful for: Planning and development control; sustainability / environment; strategy and policy	
Resource type: legislation and policy	

Discussions with housing developers will require an understanding of the gap between the current requirements of the building regulations and achieving zero carbon. Information about current regulations and ongoing developments can be found in this next resource.

Building regulations Part L	Web page with links to approved documents and to ongoing Part L consultations and research
Available at: http://www.planningportal.gov.uk/buildingregulations/approveddocuments/partl/	
Freely available pdf to download or small charge for printed version	
Useful for: Planning and development control; HECA; sustainability / environment	
Resource type: legislation and policy	

Local authorities, for discussions with key stakeholders, will also need to understand how zero carbon homes can be delivered; and perhaps have some ideas about the complementary community level renewable energy systems that could be used. These final resources provide this information.

Zero Carbon Hub	Central web resource for the latest information on how to deliver zero carbon homes. Covers topics such as the technologies available, issues with delivering zero carbon, examples of success. Can view / download a compendium of worldwide experience and examples
Available at: http://www.zerocarbonhub.org/	
Freely accessible web pages and downloadable pdf files - some require registration and sign in	
Useful for: planning and development control; economic development; sustainability/environment	
Resource type: web portal / database	

Community Energy Online	DECC web portal providing guidance on the development and delivery of community energy projects. Useful for local authorities involved in area-based refurbishment and community schemes that involve small scale energy generation as well as energy efficiency
Available at: http://ceo.decc.gov.uk/	
Freely accessible web page; some of the resources listed require log-in to other organisations' web pages	
Useful for: economic development; finance; HECA; fuel poverty; strategy and policy; sustainability/environment	
Resource type: web portal / database	

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