

Home Energy Conservation Act 1995 – Elmbridge Borough Council two yearly update report 1 Jan 2015 – 31 Dec 2016.

ACTION	DELIVERY	TIME-FRAME FOR DELIVERY
i) LOCAL ENERGY EFFICIENCY AMBITIONS ; PRIORITIES		
	<p>a) Surrey Energy and Sustainability Partnership</p> <p>Elmbridge Council has committed to the Surrey Energy and Sustainability Partnership (SESP)</p> <p>The previous 2012-2014 HECA report was drawn up on behalf of the local authorities who formed the Surrey Climate Change Partnership. In 2014 this group was reconstituted into the Surrey Energy and Sustainability Partnership. Its strategy prioritises the following:</p> <ul style="list-style-type: none"> • To help residents to save money and cut carbon emissions, • To help improve the competitiveness of local businesses by improving energy efficiency and lowering energy costs. • To increase awareness in schools to the possible measures and the benefits of energy efficiency. • To address energy efficiency within our own estates • To consider energy from local renewable resources <p>SESP has commissioned Thamesway Sustainable Communities Ltd. to deliver a partnership project ('Action Surrey'), to provide an impartial local energy advice service for the whole of Surrey. Action Surrey has been operating since 2009 and co-ordinates a trusted installer network utilising wherever possible local installers to improve the energy efficiency of homes and premises. Referrals for installations via the Energy Company Obligation (ECO) are generated via council call centres and traditional offline and online marketing activity.</p> <p>Action Surrey are also currently in discussions with all partner districts and boroughs, including Elmbridge Borough Council, to develop a Statement of Intent for Surrey County in order to put forward declarations to energy suppliers for ECO Flexible Eligibility funding for residents in fuel poverty.</p>	<p>2015-2017</p>

Action Surrey's five year plan includes the following original targets:

Targets	Planned Outcomes
Local Authority-funded energy efficiency improvements	Helping vulnerable and fuel poor households
ECO funded energy improvements	Energy bill savings for domestic properties
Householder funded energy improvements	Lifetime tonnes of CO ₂ saved
	Bringing business to the local supply chain

b) Elmbridge Housing & Homelessness Strategy 2019

The Council adopted this strategy in 2015. It sets out the main housing challenges facing the borough and how the Council plans to tackle them, working in partnership with residents, housing providers and others. The strategy is built around five priorities, one of which concerns improving housing conditions in all tenures to ensure a safe, healthy and energy efficient housing stock. There are a number of related objectives and actions which relate to home energy efficiency and tackling fuel poverty, including:

Objective: Tackling fuel poverty and overseeing improvements in home energy efficiency

- To publish a completed Home Energy Conservation Act (HECA) progress report on 2015-17 performance and setting goals for 2017-19 (and to produce a further report on a biennial basis)
Progress: – achieved through production of report
- To review the Council's partnership with Action Surrey and agree on arrangements for 2016/17 onwards
Progress: – the Council has committed to continue its partnership with Action Surrey to at least March 2018
- To promote campaigns / initiatives aimed at tackling fuel poverty and reducing domestic energy use
Progress: - the Council continues to raise awareness amongst residents, through our website and other media, of help and support available to tackle fuel poverty and reduce energy use. This includes a tool on the Council's website whereby local householders can get an indication of how much heat is lost from their home relative to other properties in

the borough, as a trigger for action - <http://www.elmbridge.gov.uk/housing/home-energy-efficiency/heatloss/>

- To work with partner agencies to lever in external funding (via Green Deal / ECO) to lead to a more energy efficient housing stock

Progress: - the Council, through SESP, supported Action Surrey in its successful bid to the then Department of Energy and Climate Change for funding through the Green Deal Communities Fund to deliver the Streets Ahead programme. This resulted in the installation of solid wall insulation in 70 dwellings across Elmbridge, and 464 across the whole of Surrey

- To run a campaign aimed at private-sector landlords to raise awareness of the new energy efficiency regulations due to be implemented in 2016 and 2018

Progress: - article included within our “Private Rented Sector News” in April 2016. Further information targeted at landlords will follow.

- Working with residents and partner agencies, to oversee at least 100 homes in 2015/16 having energy efficiency measures installed through the Green Deal and ECO schemes (and to set annual targets thereafter)

Progress: - This target was exceeded. Action Surrey oversaw 105 installs of energy efficiency measures in Elmbridge in 2015/16 and the number of homes benefitting is significantly higher if installs via other means are included.

Objective: Supporting a healthy and well-managed private-sector

- To set and attain an annual target for the number of substandard homes improved through the intervention of the Council’s Private Sector Housing Team (Target of 100 for 2015/16)

Progress: - the target of 100 was not met for 2015/16, with 70 dwellings improved. A proportion of the improvements will have related to thermal comfort and efficiency (e.g. more efficient heating systems, improved insulation etc). A target of 100 was set for 2016/17.

c) Elmbridge Energy & Sustainability Working Group

This group comprises a mix of Councillors and Council officers and it reports into the Council's Overview & Scrutiny Committee. Its role includes target-setting and monitoring delivery. Its remit extends beyond home energy efficiency and encompasses energy efficiency and consumption across the Council's own estate and its operations.

ii) GREENHOUSE GAS EMISSIONS

In Elmbridge, the most recently published level of carbon emissions from the domestic sector is 292.4 ktonnes in total, or 2.2 tonnes per capita CO₂ emissions. These figures relate to 2014 and equate to the lowest annual level of local total and per capita CO₂ domestic emissions since records began in 2005.

The total reduction for Surrey in CO₂ from 2005 – 2014 was 730 kt or 0.9 tonnes per capita. For Elmbridge, over the same period, the reductions were 81.3 kT and 1.6 tonnes per capita, respectively.

Data from the DECC Local and Regional CO₂ Emissions Estimates for 2005-2014

www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-2014

Greenhouse Gas Emissions Estimates kt CO₂	
Surrey 2014	Elmbridge Borough Council 2014
2,258.1	292.4

Lifetime CO₂ tonnes saved through installed measures by Action Surrey activity	
Surrey 1 Jan 2015 – 31 Dec 2016	Elmbridge Borough Council 1 Jan 2015 – 31 Dec 2016
39,342.75	5,396.6

Despite the reductions in CO₂ emissions arising from the domestic sphere. Elmbridge residents have, on average, one of the largest carbon footprints per capita in the country. This is largely explained by the characteristics of the local housing stock and its occupation, including:

- The average floor area of privately owned homes in Elmbridge being about 20% higher than the national average
- A greater proportion of detached homes locally than nationally
- Greater levels of under-occupation locally than nationally
- Local average household incomes being higher than the national average (which may mean households on higher incomes are less sensitive to energy costs)

The Council, working with Action Surrey and other partners, will continue to promote behaviour change and the benefits of reducing energy use to local residents.

iii) FUEL POVERTY / PUBLIC HEALTH

Under the new definition of fuel poverty, **Low Income High Cost**, a household is considered to be fuel poor where:

- they have required fuel costs that are above average (the national median level)
- were they to spend that amount, they would be left with a residual income below the official poverty line.

7.2% (35,005) of Surrey households are considered to be in fuel poverty (BRE Housing Stock Appraisal for Surrey 2014), although the rate in Elmbridge was found to be slightly lower, at 6%.

Elmbridge Borough Council	2014 (LIHC)	2014 (BRE)
Estimated number of households in the borough	54,669	57,242
Estimated number of households in fuel poverty	3,967	3,693
% fuel poor	7.3	6

Data from DECC Fuel Poverty Statistics 2014 under 10% indicator

<https://www.gov.uk/government/statistics/2014-sub-regional-fuel-poverty-data-low-income-high-costs-indicator>

Data under LIHC indicator

	<p>https://www.gov.uk/government/statistics/2014-sub-regional-fuel-poverty-data-low-income-high-costs-indicator</p> <p>We aim to support Surrey’s Health & Well Being Strategy and wider local strategic priorities, on issues such as housing, health and poverty, through housing strategies/corporate plans. From 2015, Action Surrey has supported the new Fuel Poverty Strategy for England, which sets an ambition that as many fuel poor homes as reasonably practicable achieve a B and C energy efficiency standard by 2030.</p> <p>We aim to provide access to affordable warmth through local initiatives which will contribute to reducing levels of fuel poverty in the borough/district. Since 2015 Action Surrey has utilised opportunities presented by the NICE Excess Winter Deaths and Illnesses Guidelines and Cold Weather Plan.</p> <p>The Council’s priority remains tackling fuel poverty. The Council is no longer a provider of social housing, which limits the Council’s influence and responsibilities in relation to the energy efficiency of the social housing stock and levels of fuel poverty within it, but the Council will work with housing associations operating within the borough to deliver improvements. We will continue to tackle fuel poverty across tenures, through provision of information, advice and guidance, signposting to financial assistance and where necessary, through the use of our enforcement powers.</p>											
iv) MEASURES WE ARE TAKING TO RESULT IN SIGNIFICANT ENERGY EFFICIENCY IMPROVEMENTS OF OUR RESIDENTIAL ACCOMMODATION												
GREEN DEAL/ECO	<p>Action Surrey and Elmbridge Borough Council will continue to take advantage of any government initiatives appearing through ECO and Green Deal for energy efficient measures and tackling fuel poverty.</p> <p>The following measures have been installed to reduce carbon emissions and fuel poverty during the period 1 Jan 2015 – 31 Dec 2016, through the work of Action Surrey.</p> <table border="1" data-bbox="577 1145 1344 1324"> <thead> <tr> <th>Scheme Name</th> <th>Private Sector</th> </tr> </thead> <tbody> <tr> <td>Loft Insulation</td> <td>35</td> </tr> <tr> <td>Cavity Wall Insulation</td> <td>27</td> </tr> <tr> <td>External/Internal wall insulation</td> <td>70</td> </tr> <tr> <td>Heating</td> <td>8</td> </tr> </tbody> </table> <p>The above figures comprise a minority of measures installed in Elmbridge through the ECO (Energy</p>	Scheme Name	Private Sector	Loft Insulation	35	Cavity Wall Insulation	27	External/Internal wall insulation	70	Heating	8	1 Jan 2015 – 31 Dec 2016
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	<p>Company Obligation) scheme, reflecting the fact that there are a number of avenues, other than through Action Surrey, through which ECO-funded measures could be installed. Between 1 January 2015 and 30 September 2016, Government statistics reported an increase in the number of households in Elmbridge in receipt of ECO measures of 563 (rising from 1015 to 1578)</p> <p>A consortium representing all Surrey local authorities has received funding through DECC's Green Deal Communities Fund to roll out a street by street solid wall insulation project, under the banner of 'Streets Ahead'. This project, which was delivered by Action Surrey, offered a grant to fit internal or external wall insulation and promote take up of Green Deal funding. The project was one of the most successful GDC schemes, with 464 properties insulated across the county upon its closure in September 2016, with 70 of these installs being in Elmbridge.</p> <p>Part of the funding for this also contributed to the Low Carbon Communities (LCC) project, which has provided energy audits, community engagement and grants towards installing energy efficiency measures for community groups/buildings across the county. The Department of Health also awarded funding to the Surrey Healthy Homes Partnership to support local authorities to reduce the levels of deaths and illness that are due to vulnerable people living in cold housing. Action Surrey has successfully delivered two Healthy Homes projects in two different Clinical Commissioning Groups within the county, aimed at identifying where energy efficiency measures could be an effective intervention to reduce the risks of illness as a result of a cold home.</p>							
<p>RENEWABLE/SUSTAINABLE ENERGY</p> <p>Feed in Tariffs scheme Renewable Heat Incentive</p>	<p>Action Surrey arranged the installation of the following renewable energy measures within Elmbridge during the period 1 Jan 2015 – 31 Dec 2016</p> <table border="1" data-bbox="577 1042 1341 1150"> <thead> <tr> <th>Scheme Name</th> <th>Private Sector</th> </tr> </thead> <tbody> <tr> <td>Solar thermal (hot water)</td> <td>0</td> </tr> <tr> <td>Solar PV</td> <td>1</td> </tr> </tbody> </table> <p>Statistics published by the Department of Business, Energy & Industrial Strategy and collated from the central Feed-in-Tariff register (https://www.gov.uk/government/statistical-data-sets/sub-regional-feed-in-tariffs-confirmed-on-the-cfr-statistics) record that, by the end of December 2016, there were 660 domestic installations of photo-voltaics in Elmbridge and four installations of domestic combined heat and power (CHP) systems. As such, at the end of December 2016, about 1.22% of dwellings in Elmbridge have renewable / micro-generation technologies installed and are registered on the FIT register.</p>	Scheme Name	Private Sector	Solar thermal (hot water)	0	Solar PV	1	<p>1 Jan 2015 – 31 Dec 2016</p>
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