

| ACTION | DELIVERY | TIME-FRAME FOR DELIVERY |
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| i) LOCAL ENERGY EFFICIENCY AMBITIONS AND PRIORITIES | | |
| | <p><i>Climate Local Kent</i> Sevenoaks District Council has committed to Climate Local Kent, a county-wide pledge to reduce emissions and build resilience to a changing climate and severe weather. Climate Local Kent (One Year On) and Climate Local Kent 2014 report on progress across the County.</p> <p>The targets represent those of the newly updated Kent Environment Strategy (KES), delivery of which is a priority for the Vision for Kent (our community strategy). The Kent Environment Strategy Implementation Plan 2017 by Kent Partners (of which Sevenoaks District Council is one) sets out priorities for Kent under the Kent Environment Strategy</p> <p>The overview of the priorities set out in the Kent Environment Strategy (KES) will be used and the relevant indicators provide an evidence base of what those priorities tell us about the state of our environment in terms of natural environment, resources, economy and health. It will form a baseline for identifying emerging priorities with regard to any gaps in the last five years of activity toward the KES, and from any relevant socio-economic or environmental trends or challenges that have arisen locally or regionally over that period.</p> <p>The challenges, learning and opportunities together underpin the priorities that have been identified in the following themes of the strategy: Theme One: Building the Foundations for Delivery. Theme Two: Making best use of existing resources, avoiding or minimising negative impacts. Theme Three: Towards a sustainable future.</p> <p>Under Theme 2, MR6.2: Improve the resource efficiency of our homes, reducing costs, tackling fuel poverty and improving health outcomes: The Fuel Poverty Strategy for Kent and Medway has recently been completed by the Kent Energy Efficiency Partnership. The action plan that sits under this strategy will be the delivery mechanism to reduce fuel poverty in Kent via reporting through this HECA Report for both</p> | <p>On-Going</p> |

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| | <p>Sevenoaks at local level and across Kent districts.</p> <p>There is also an action to deliver a coordinated retrofit programme through Warm Homes Scheme which is to also reduce fuel poverty and carbon use.</p> <p>Help residents, businesses and the public sector save money and cut carbon emissions through being more energy efficient at home, at school and at work.</p> <ul style="list-style-type: none"> • We will work towards a 34% reduction in emissions by 2020 (2.6% annually)(DECC baseline of 2007, 2.6 x 13 = 33.8) • We will increase renewable energy deployment in Kent by 10% by 2020. This is being considered in the issue and options stage of the local plan review. <p>Help residents, businesses and the public sector use water resources more wisely, wasting less and recycling more where possible</p> <ul style="list-style-type: none"> • We will support activity to reduce water consumption in Kent from. This is being considered in the issue and options stage of the local plan review. <p>Work with business to help grow the green economy in Kent, supporting the creation of more jobs in the low carbon and environment sector</p> <ul style="list-style-type: none"> • We will work to support an increase jobs within the Low Carbon Sector by 10% by 2020. <p><i>Climate Local Kent (one year on): http://www.kent.gov.uk/_data/assets/pdf_file/0014/10670/Climate-Local-Kent-Report-2013.pdf</i></p> <p><i>Climate Local Sevenoaks: https://www.sevenoaks.gov.uk/_data/assets/pdf_file/0020/127280/Climate-Local-Sevenoaks.pdf</i></p> | |
| ii) GREENHOUSE GAS EMISSIONS | | |
| | <p>We are committed to help government meet its carbon reduction targets set out in the Climate Change Act 2008. The current Kent performance on emissions (industry, domestic and transport) towards the overall 2020 target (60% by 2030) to reduce carbon dioxide emissions by 34%, based on a 2005 baseline, shows we are two thirds of the way to meeting</p> | On-Going |

the 2020 target. Total reduction for Kent in CO² from 2005 – 2012 is 2,831 kt (21% total reduction).

Data from the BEIS Local and Regional CO²Emissions Estimates for 2005-2012

<https://www.gov.uk/government/statistics/local-authority-emissions-estimates>

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| Greenhouse Gas Emissions Data |
| Kent 2015-2016 |
| Prediction of 31.4% decrease in CO ² to baseline |

Link to local GHG reports on websites: [Greenhouse Gas Emission Report](#)

Recent government data on domestic carbon emission are as follows for Kent and Medway (inc Sevenoaks)

In 2014 the total domestic energy CO² emissions estimates for:

- Kent - 2,536.2 (kt CO²)
- Sevenoaks – 161.3 (kt CO²)
- Medway – 407.2 (kt CO²)

Figures for Kent/Sevenoaks has seen a continual reduction from 2005 to 2014. Recent years in particular may relate to the good take up of ECO funded measures under the Kent Warm Homes scheme and also introduction of smart meters.

From 2005 to 2014, the District’s per capita emissions have reduced from 9.9t to 7.5t, which is a reduction of approximately 24%.

iii) FUEL POVERTY / PUBLIC HEALTH

Fuel poverty in England is defined using the **Low Income High Cost (LIHC)**, which considers a household to be fuel poor if they have:

- an income below the poverty line (including if meeting its required energy bill would push it below the poverty line); and,
- higher than typical energy costs.

2015-2018

Household characteristics: Fuel poverty varies across household characteristics due to differences in income, different energy requirements, or a combination of both.

Local stats:

| Sevenoaks | 2014 LIHC |
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| Estimated number of households in the District | 48594 |
| Estimated number of households in fuel poverty | 4233 |
| % Fuel poor | 8.7% |

As 2014, Sevenoaks is below the Kent average of 8.9%.

Data from BEIS Fuel Poverty Statistics 2014

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

Data under LIHC indicator

| LIHC method of calculation | | | | 2014 data | | |
|-----------------------------------|----------------|-----------------------|----------------|-----------------------|-----------------------------|----------------|
| LA Code | LA Name | English region | 2012 FP | All Households | Fuel Poor Households | 2014 FP |
| | Sevenoaks | South East | 9.92% | 48,594 | 4,233 | 8.7% |
| | Kent | | 8.46% | 625,644 | 55,657 | 8.9% |
| | South East | | 7.79% | 3,674,407 | 305,289 | 8.3% |

This demonstrates that Kent, as a whole, has seen an increase in fuel poverty whereas the Sevenoaks District has seen a reduction.

Data from BEIS Fuel Poverty Statistics 2014

In 2014, Government introduced the Fuel Poverty (England) Regulations. These regulations gave effect to the fuel poverty target to ensure that as many fuel poor households as is reasonably practicable have a minimum energy efficiency rating of Band C by 2030.

Following this, in 2015 the Government published 'Cutting the cost of keeping warm: a fuel poverty strategy for England'. This was to ensure that the Government stay on track and introduced two milestones:

- Band E by 2020, and;
- Band D by 2025

The Council will aim to provide access to affordable warmth through local initiatives which will contribute to reducing levels of fuel poverty in the district. Having regards to government targets to reduce fuel poverty in accordance with the latest Fuel Poverty Strategy, Cutting the Cost of Keeping Warm, Sevenoaks is supporting the delivery of a Kent Fuel Poverty Strategy that, in turn, supports this HECA action plan to reduce fuel poverty in the District.

Delivering Affordable Warmth. A Fuel Poverty Strategy for Kent by the Kent Energy Efficiency Partnership will now form the basis for action under this HECA Report.

The Strategy links to national outcomes and priorities with key local ambition set out in the revised Kent Environment Strategy and Climate Local Kent. It identifies and will work to achieve national and local targets. The Strategy and Action Plan aim to build on and increase partnership working across Kent, to broaden the evidence base and increase current levels of understanding of fuel poverty in Kent and to prioritise interventions, monitor and evaluate the effect of the strategy.

The Strategy demonstrates Kent is serious about its ambition to address fuel poverty which in itself will strengthen funding bids and make the county more attractive for future energy efficiency programmes/ funding.

The Strategy has identified four key priorities for Kent

- Priority 1: Information gathering and sharing
- Priority 2: Improving energy efficiency
- Priority 3: Reducing fuel costs
- Priority 4: Increase income – support vulnerable households to maximise income

The associated Action Plan outlines the activities Kent/Sevenoaks will deliver to start to address these priorities.

We will take advantage of any government initiatives (financial assistance and other benefits) for energy efficient measures and tackling fuel poverty.

Excess winter deaths

There were an estimated 24,300 excess winter deaths (EWDs) (provisional) in England and Wales in the 2015/16 winter period. This represents an excess winter mortality index of 15%; that is 15% more deaths occurred in winter compared to the non-winter months. The number of EWDs has almost halved since the 2014/15 period and is closer to the 5-year average (years 2011/12 to 2015/16)

The South East has the lowest rate of Excess Winter Deaths in England & Wales standing at 14.7%.

At the time of writing this report, data for Kent/Sevenoaks is currently not available. However, the council closely monitors these figures and looks at ways to ensure that provisions are in place for those vulnerable households who are most at risk.

Date from Office for National Statistics 2016

<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/excesswintermortalityinenglandandwales/2015to2016provisionaland2014to2015final>

Looking at the wider agenda on poverty

The English Indices of Deprivation measures relative levels of deprivation in small areas of England called Lower layer Super Output Areas (LSOAs). Most of the indicators used in these statistics are from 2012/13. The last statistical release provides an overview of the findings of the English Indices of Deprivation 2015 focusing on the national and sub-national patterns of multiple deprivations. There are seven domains for each LSOA nationally by local authority. The LSOA ranks go from 1 for the most deprived LSOA to 32,844 for the least deprived of the 32,844 LSOAs in England.

The seven domains are:

- Income
- Employment
- Health Deprivation and Disability
- Education, Skills and Training
- Barriers to Housing and Services
- Crime

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| | <ul style="list-style-type: none"> • Living Environment <p>Sevenoaks have 64 LSOAs in the District.</p> <p>Data from BEIS Fuel Poverty Statistics 2014 https://www.gov.uk/government/statistics/annual-fuel-poverty-statistics-report-2016</p> | |
| iv) MEASURES WE ARE TAKING TO RESULT IN SIGNIFICANT ENERGY EFFICIENCY IMPROVEMENTS OF OUR RESIDENTIAL ACCOMMODATION | | |
| <p>Current schemes</p> | <p>Sevenoaks are currently looking to promote and help government target on the following schemes/measures to reduce carbon emission and fuel poverty:</p> <p>Smart Meters The Smart Metering Programme aims to roll-out over 50 million smart gas and electricity meters to all domestic properties and smart or advanced meters to smaller non-domestic sites in Great Britain - impacting approximately 30 million premises. Smart meters are the next generation of gas and electricity meters and offer a range of intelligent functions. All domestic consumers will be offered an In-Home Display (IHD) as part of the smart meter roll-out, which shows how much energy is being used, and how much it is costing, in near-real-time. This information will help them control and manage their energy use, save money and reduce emissions. Smart meters will also bring an end to estimated meter readings, providing consumers with more accurate bills.</p> <p>Smart meter is compliant with the Smart Meter Equipment Technical Specification (SMETS), which has the functionality to transmit meter readings to energy suppliers and receive data remotely. Only smart meters that meet the SMETS regulations count towards supplier roll-out obligations. Energy suppliers must take all reasonable steps to replace other meter types in domestic properties with these meters by the end of 2020 in order to fulfil their licence conditions.</p> <p>National statistics: From the start of the Programme (from main installation stage April 2013) up until 30 September 2016, large energy suppliers have reported installing an estimated total of 4,044,100 smart meters across domestic properties in Great Britain – 1,690,700 of which have been gas smart meters and 2,353,400 have been electricity smart meters.</p> <p>Collectively across both large and small suppliers, around 4.33 million smart meters have been installed in domestic properties to date – 4.04 million of which were installed by the large energy suppliers.</p> | <p>On-Going</p> |

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| | <p>Current statistics are available on: https://www.gov.uk/government/collections/smart-meters-statistics</p> <p>Local statistics: The Council explore the use of Smart Energy GB media resource to enable promotion of smart meters in its community.</p> <p>Measures installed:</p> <p>In 2015/16 and 2016/17, we enabled the installation of 438 low-carbon retrofit measures ranging from small through to large devices.</p> | |
| v) ECO | | |
| | <p>There are changes to the existing Energy Company Obligation (ECO) (ECO 2) scheme that ensures energy companies continue to provide support to those households who struggle with their heating bills. Plans to extend the scheme have been confirmed and the next transitional period is 2017-2018. This will be followed by Fuel Poverty Obligation from 2018-2022.</p> <p>The key principles for the transition years and for longer-term scheme, are to:</p> <ul style="list-style-type: none"> • focus on households who are most in need; • simplify and remove complexity, improving cost effectiveness; • encourage greater involvement of local actors, especially where vulnerability is a concern; and • reduce carbon emissions and make progress towards carbon budgets. <p>The new changes also include 'Flexibility eligibility'. This means that local authorities can target/identify those vulnerable households as eligible under Affordable Warmth up to a percentage of the ECO target. We are awaiting guidance on this part from government.</p> <p>National Statistics - Household Energy Efficiency National Statistics (Publication as at Jan 2017)</p> <p>Up to the end of September 2016, there were 99 ECO measures installed.</p> | On-Going |

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| | <p>Data from BEIS 2017: https://www.gov.uk/government/collections/household-energy-efficiency-national-statistics#headline-releases</p> <p>Kent and Medway Sustainable Energy Partnership (KMSEP) Sevenoaks District Council is a partner within the Kent and Medway Sustainable Energy Partnership (KMSEP). The KMSEP is an executive level group providing overall direction to the establishment of ECO.</p> <p>The partnership comprises public, private and voluntary sector bodies including representation from all local authorities in Kent and Medway, NHS, water companies, housing associations, business networks and communities. Its overarching purpose is to work in partnership to:</p> <ul style="list-style-type: none"> • tackle fuel poverty by drawing in as much ECO and other funding to Kent as possible • reduce carbon emissions in Kent & Medway | 2015 - 2018 |
| vi) RENEWABLE / SUSTAINABLE ENERGY | | |
| <p>Feed in Tariffs scheme</p> <p>Renewable Heat Incentives</p> <p>Zero Carbon Homes</p> | <p>Sevenoaks completed 182 PV installations (Private) in 15/16 and 16/17 (https://www.renewablesandchp.ofgem.gov.uk/)</p> <p>Renewable Energy for Kent was a study undertaken by Aecom in 2012 and funded through Interreg IVc project Climact Regions. This has given Kent partners an understanding of the key opportunities and restraints for the deployment of renewable energy across the county and underpins the development of the Kent-wide Renewable Energy Action Plan due for completion in April 2013. Through undertaking these actions, Kent will look to achieve a 10% reduction in carbon emissions in the county and unlock the potential for Kent's economy. This is the equivalent of 13.2% of our energy usage through renewable energy deployment.</p> <p>We aim to deliver the Government's policy on lowering CO2 emissions from new developments through the application of the approved Building Regulations and Planning Policy to help reduce the carbon footprint in the borough. This aims primarily, to secure energy-efficient design where the energy consumption of new buildings is minimised through the use of materials, orientation and density. In addition this also aims, where feasible and viable and in line with the Government's growth agenda, to secure the supply of energy from decentralised low and zero carbon sources. This will be delivered through the application of the approved Building Regulations and through the Core Strategy and Development Management Policies, as part of the LDF that lay under the council's Corporate Business Plan.</p> <p>Whilst the Government has made it clear that their intention is to wind down the Code for Sustainable Homes and</p> | |

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| | <p>replace this with changes to the Building Regulations the Council will continue to seek energy efficient measures in our new build Affordable Homes, by working towards code level 3/4 (the Code for Sustainable Homes, linked with the planning system and Building Regulations).</p> <p>The Council's current planning framework requires that converted housing is meets BREEAM standards.</p> | |
| vii) NEW INNOVATIVE INITIATIVES | | |
| | <p>We aim to introduce innovative ideas that will assist householders to reduce carbon emission, eliminate fuel poverty and provide behavioral changes to using energy more efficiently.</p> <ul style="list-style-type: none"> • Smart Metering. We aim to work with energy companies to deliver the government's mass roll out to have smart meters installed • Switch and Save. We will continue to provide and promote our impartial comparison website which compares all energy suppliers in the UK, targeting older and vulnerable adults to switch energy suppliers to save money on their utility bill helping to reduce fuel poverty within the district. So far since its launch in September 2014 this site has saved residents over £46,950 in the first year of savings alone. • LED lighting. We aim to continue replacing standard lighting to LED lighting in Council-owned premises, including property owned through its arms-length company. <p>We were successful in receiving £4.2 million, as part of a consortium including Kent County Council and Dartford Borough Council, from Government's Department of Energy and Climate Change (DECC). This project was completed and we are mid-way through and monitoring and evaluation process – of which any learning will be provided to the Government department.</p> <p>We will continue to encourage renewable energy installations and want to see the District increase its energy from renewable sources by 10% by 2020.</p> <p>We will work towards retrofitting of homes across the District through the Kent and Medway Sustainable Energy Partnership. (KMSEP)</p> <p>We were also successful in receiving grant through the NEA Technology Innovation Fund and this is ongoing and will help to inform both local and national policy.</p> | |
| Promotion/Media/Advice Education | The Kent and Medway Sustainable Energy Partnership will develop a targeted communications campaign for Kent and Medway to promote and maximise uptake of ECO. This will include media, websites, newsletters and training of frontline | |

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| | <p>staff and community champions. The partnership will work with local authorities involved in developing a collective energy switching scheme in Kent to combine energy efficiency messages where appropriate.</p> <p>We will aim to promote ECO and other projects through:</p> <ul style="list-style-type: none"> • Energy Saving Advice Service • Council website, newsletter, etc • Energy Information Packs for communities • Local newspapers and radio • Community events and forums <p>List of local energy efficiency events and actions in the community:</p> <ul style="list-style-type: none"> • Forums • Private Landlords' forum • Surgeries <p>Raising awareness: Provide information and education to residents/landlords/organisations</p> | |
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viii) MEASURES WE PROPOSE TO COST EFFECTIVELY DELIVER ENERGY EFFICIENCY IMPROVEMENTS IN RESIDENTIAL ACCOMMODATION BY USING AREA BASED/STREET BY STREET ROLL OUT.

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| | <p>We will aim to deliver cost-effective delivery using area based roll out through:</p> <ul style="list-style-type: none"> • Identifying local partners for area based energy measures for both social and private sector stock; • Identify target areas and priority roll out; for example, identify solid wall/hard to treat properties which will be incorporated in the ECO projects through the KMSEP • Determine any interactions with other refurbishment work and other Local Authority objectives (e.g. area regeneration, ECO Carbon Saving Communities Obligation) <p>The District Council was also successful in receiving £4.2 million, as part of a consortium including Kent County Council and Dartford Borough Council, from the Governments Department of Energy and Climate Change (DECC). This aimed at incentivising solid wall insulation as well easy to install measures such as cavity and loft insulation as well as boiler upgrade.</p> | |
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ix) NATIONAL AND LOCAL PARTNERS

The District Council will continue to work with the Kent Energy Efficiency Partnership to deliver all areas of energy conservation measures that we consider to be practicable, cost-effective and likely to result in significant improvement in the energy efficiency of residential accommodation.

We will work as part of the KMSEP to deliver ECO and share good practices:

Other key partners in the delivery of energy strategy include: KCC; NHS/CCGs; HIA's; voluntary organisations; Climate Change Network; KEEP; KMSEP' and the Housing Technical Group.

The Districts Council's latest Private Sector Housing Stock Model is underway and data will be available later in 2017. This will then be fed into related strategy and measures put in place to further improve the efficiency of the District's housing stock.

The District Council will continue to work with local landlords to encourage an increase in energy efficiency and minimum standards within their properties.

This will include:

- Landlords forum twice a year to encourage landlords to undertaken energy retrofit measures and provide general energy advice for both landlords and their tenants;
 - Hard to treat grants for landlords who own properties that are hard to treat or of the gas network and willing to clients off the housing register;
 - Accreditation scheme and grants to remove Category 1 Hazards (Housing Act 2004);
 - Powers to enforce landlords to undertaken improvements or repairs to their property under the HHSRS rating system if a CAT 1 Hazard is identified; and
 - Landlords signposted to other agencies for energy retrofit measures, e.g. Warm Homes.
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- Our other local partners are: NHS/CCGs, Home Improvement Agencies, voluntary organisations and other Kent based partnerships, including; Climate Change Network, Kent Housing and Affordable Warmth, Kent Housing Technical Group.

Delivering aims and objectives in the Climate Local:

On-Going

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| | <ul style="list-style-type: none"> • Establishing timelines and commitments for Climate Local • Monitoring and evaluation | |
| x) ASSESMENT/ DATA GATHERING/MONITORING | | |
| <p>Minimum standards in the private rental sector</p> | <p>The Districts Council's latest Private Sector Housing Stock Model is underway and updated data will be available later in 2017. This will then be fed into related strategy and measures put in place to further improve the efficiency of the District's housing stock. The Council's latest housing needs study, carried out in 2016, will also inform strategy for the future and the Council's new housing strategy will have a key focus on energy efficiency and fuel poverty.</p> <p>The District Council will continue to work with local landlords to encourage an increase in energy efficiency and minimum standards within their properties.</p> <p>This will include:</p> <ul style="list-style-type: none"> • Landlords' forum twice a year to encourage landlords to undertaken energy retrofit measures and provide general energy advice for both landlords and their tenants; • Hard to treat grants for landlords who own properties that are hard to treat or of the gas network and willing to clients off the housing register; • Accreditation scheme and grants to remove Category 1 Hazards (Housing Act 2004); • Powers to enforce landlords to undertaken improvements or repairs to their property under the HHSRS rating system if a CAT 1 Hazard is identified; and • Landlords signposted to other agencies for energy retrofit measures, e.g. Warm Homes. <ul style="list-style-type: none"> • Our other local partners are: NHS/CCGs, Home Improvement Agencies, voluntary organisations and other Kent based partnerships, including; Climate Change Network, Kent Housing and Affordable Warmth, Kent Housing Technical Group. <p>Delivering aims and objectives in the Climate Local:</p> <ul style="list-style-type: none"> • Establishing timelines and commitments for Climate Local • Monitoring and evaluation | <p>On-Going</p> |

Signature:

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