

London Borough of Haringey
Home Energy Conservation Act Report (HECA)
Further report March 2017

Contents

Our local energy efficiency ambitions and priorities.....	2
Our Performance	3
Future objectives	4
Previous and current energy efficiency schemes.....	5
Partnership work.....	11

Our local energy efficiency ambitions and priorities

Haringey 40:20

Haringey has made an ambitious commitment to reduce carbon emissions by 40% from the 2005 levels by 2020; whilst delivering growth and increasing prosperity. This is referred to as Haringey 40:20.

An Annual Carbon Report is produced each year to provide year on year progress towards the target. Available [here](#).

Zero Carbon by 2050

Alongside the Mayor of London, the leader of Haringey has agreed to work towards Haringey becoming a Zero Carbon authority by 2050. This ambition will supersede the 2020 target.

In 2016 Haringey formed a Zero Fifty Commission with external experts to inform and make recommendations to the Council on the regeneration of the borough to deliver a more sustainable future for residents and businesses.

The Zero Fifty Commission's recommendations will provide a set of key themes, governing principles and actions that are designed to deliver "A Sustainable Manifesto for the Future of Haringey".

In order to deliver these recommendations, the Council will develop a "Route Map" to integrate these recommendations into business planning and policy.

The Commission's report and its recommendations will be issued to the Council later in 2017.

Council Priorities

Carbon Reduction is included in Haringey's Corporate Plan under Priority 4 which "Reduce Carbon Emissions and grow the green economy". Progress against this target is available on-line [here](#).

Our ambitions are reflected in our Affordable Warmth Strategy - available [here](#), and our Housing Strategy – available [here](#)

Our Performance

London Borough of Haringey is situated in North London and has an estimated population of approximately 267,600 (2014). With the help of community groups, Haringey Council, has supported action to reduce emissions by providing grants for retrofitting housing, raising awareness of energy efficiency measures and promoting behaviour change.

In terms of the overall decrease in CO₂, Haringey borough achieved a 26% carbon reduction since 2005. This amounts to a saving of 770.8kT by 2014. The current data trajectory suggests that a 40% carbon reduction will not be achieved by 2020. However, taking into account population growth, per capita carbon emissions have decreased by 37% with a predicted percentage of 55% reduction by 2020. This not only meets the 40:20 target but exceeds it, suggesting Haringey are on track to accomplish a zero carbon borough by 2050.

Within Haringey, there were an estimated 13,650 fuel poor households out of a total 102,452, equating to 13.3% of the population in 2014. This compares to a London average of 11%. The highest incidences of fuel poverty in Haringey are found in the eastern half of the borough and include: Seven Sisters, Noel Park and Northumberland Park.

The February 2017 statistics on the Energy Company Obligation (ECO) show that 3,897 properties in Haringey have received ECO funding up to the end of February 2017. In Haringey 0.2% of households had a measure installed through ECO (i.e. around 36 per 1,000 households) this compares to a London average of 31 per 1,000 households and a national average of around 60 per 1,000 households, up to the end of September 2016.

Future objectives

Area	Our Key priorities for delivery 2017-19	Timescale
Carbon management	Publish the Zero Fifty Commission recommendations and formulate a transition road map	2017
	To secure external funding and investment to facilitate the transition to a Zero Carbon Borough.	Ongoing
Fuel poverty	To revise the Affordable Warmth Strategy	2018
	To review and restructure our fuel poverty service. Ensuring collaboration between public health, health providers, community organisations and council services to provide a holistic service for vulnerable residents	2017
	Raise awareness and standards in the Private Rented Sector	2018
	Secure ECO funding for energy efficiency works on fuel poor households	2017 and ongoing
Decentralised Energy	Scoping of the North Tottenham, Tottenham Hale and Wood Green DEN	On-going
Retrofit	Work with Homes for Haringey to secure ECO funding for energy efficiency installations to council stock	2017-19
	Investigate financial models to fund domestic retrofit	2018
	Identify funding for Smart Meter programmes	2018
	Increase number of homes installing solid wall insulation	Ongoing
New Builds	Share best practice on the impact of overheating and other building factors that can impact residents	Ongoing
	Work with developers to support maximising carbon and energy saving potential on site	Ongoing
	Implementation of Carbon offsetting scheme that will facilitate carbon reduction, including housing.	2017-18

Previous and current energy efficiency schemes

The following are measures taken to significantly improve the energy efficiency of residential accommodation, funded through financial assistance and other benefits offered by central government.

Area	Actions	Timing
Decent Homes Funding	<p>Homes for Haringey have continued to implement the Decent Homes Programme to increase the quality of social housing. Energy efficiency measures installed through the Decent Homes Programme between 1/4/15 and 31/3/17 include:</p> <ul style="list-style-type: none"> ➤ 441 Boiler Renewals ➤ 327 Loft/roof insulations ➤ 662 Cavity Wall Insulations ➤ 2,000 Double Glazing installs 	2015-17
Green Deal	<p>Smart Homes</p> <p>Funded by Green Deal Communities funding, Smart Homes was a scheme set up and managed by Haringey Council in 2014 that ran until August 2016 with the aim of tackling energy efficiency across six London boroughs. This project focussed on owner occupied and private rented building stock.</p> <p>Lifetime carbon emission savings of the Smart Homes programme was estimated at 42,338 tonnes with an average CO2 savings per household of 1.02 tonnes. In terms of cost savings over the same period, an estimated £9,226,491 is expected to be saved on household energy bills, amounting to a household annual saving of £222 or 19%.</p>	2014-16

D.E.N	<p>Decentralised energy</p> <p>Haringey Council plans to establish a network in north Tottenham, building a power plant and the underground pipes, to supply 5,000 new homes being built there as part of the High Road West and Northumberland Park regeneration schemes.</p> <p>Analysis of the borough has also determined other key areas where decentralised energy would have the most benefits for the community. These include Tottenham Hale and Wood Green. We are assessing the future plans for these areas identifying costs, benefit, risks and practical issues.</p>	On-going
RHI, FiT - Renewables	<p>Battery Storage Trial</p> <p>LB Haringey is awaiting confirmation of a Solar PV Battery Storage trial. The project will install batteries storage systems into existing solar PV installations. The aim of the trial is to measure the impact battery storage has on electricity use in a building under varying occupancy and use patterns.</p>	2017
Fuel poverty	<p>Haringey has an officer who has been assigned specific duties to reduce fuel poverty. The current Affordable Warmth Strategy is due for revision in 2017.</p> <p>Warm and Healthy Homes Scheme</p> <p>This programme provides grants for insulation and energy efficiency measures to residents with long term health conditions. It is funded by the NEA (National Energy Action).</p> <p>Under this scheme Haringey Council have installed £190,000 of measures including:</p> <ul style="list-style-type: none"> ➤ 4 insulation installations – including Cavity wall, loft and solid wall insulation ➤ 61 heating system installation – including heating systems upgrade, controls, boilers and storage heaters 	2016-17

	<p>Recipients were identified through:-</p> <ul style="list-style-type: none"> ➤ Direct mail-outs to residents receiving benefits (e.g. pension credit and Disability Living allowance) identified from Council data. ➤ Referrals from community organisations and public health frontline staff who had been advised of the programme <p>The scheme will be evaluated by NEA in April 2017.</p> <p>The scheme is also subject to a research project in partnership with Durham University. This research uses community researchers to assess multi-partner approaches to delivering energy efficiency to vulnerable households. The different pathways to accessing support are being documented and variations in health and wellbeing outcomes will be compared, along with energy use and costs. The research project is strengthening relationships among community groups and encouraging them to assess and adapt their approaches. The findings will assist the design of delivery mechanisms for future schemes in the Borough.</p>	
	<p>HHSRS</p> <ul style="list-style-type: none"> ➤ In 2015/17 Haringey enforcement officers formally removed 95 Category 1 Excess cold hazards. ➤ We will continue to apply HHSRS regulations to improve housing conditions for the residents of the borough. 	<p>2015-17</p>
	<p>NEA training (DECC engaging Communities Funding)</p> <ul style="list-style-type: none"> ➤ Two training City and Guilds accredited courses were facilitated by NEA in Haringey, to up skill 30 frontline workers in assisting residents in fuel poverty. ➤ An energy bill management event, run with local community groups, gave 75 residents tips to on how 	<p>2016-17</p>

	<p>to reduce their energy bills.</p> <ul style="list-style-type: none"> ➤ Two Community workshops, facilitated by NEA, resulted in a set of recommendations and actions to be included in any revision of Haringey’s Affordable Warmth Strategy. Recommendations included creating a cohesive referral network across Haringey and establishing partnerships to avoid duplicate working and enhance capacity. 	
	<p>Green Doctor Scheme (Warmth - Groundwork)</p> <p>Warmth was funded through the British Gas Energy Trust. The Green Doctor service is a home visiting service that assesses resident’s needs and matches them to relevant services. It establishes current housing condition /facilities/ heating/insulation levels and provides practical solutions to problems (such as damp, mould or how to make savings to energy bills).</p> <p>The scheme ran from February 2016 until February 2017 and delivered:</p> <ul style="list-style-type: none"> ➤ 185 Home energy and well-being visits ➤ 1,053.5 energy saving measures installed ➤ £9,657.25 was saved through installation of measures and fuel switching ➤ £3,080 saving in Warm Home Discount applications. ➤ 1,843,503 litres of water was saved from installation of water saving measures ➤ 14.8 tonnes of CO₂ was avoided from installation of energy saving measures. ➤ £9,833 and 39 tonnes of CO₂ was saved as a result of behaviour change interventions ➤ 41 households were signed up on the Priority services 	<p>2016-17</p>

	<p>SHINE pilot project</p> <p>Haringey signed up to a pilot project with Islington SHINE, running from November 2016-May 2017. This scheme is a ‘one-stop-shop’ aimed at tackling fuel poverty and reducing seasonal deaths and hospital admissions through generating and processing referrals. Work is currently being undertaken to build up the referral network by partnering with council departments, local health care organisations and third sector charities to provide a holistic approach to tackling fuel poverty.</p>	2016-17
Smart Meter Roll-out	<p>Haringey will actively seek funding in 2017 to support the roll-out of Smart Meters and to:</p> <ul style="list-style-type: none"> ➤ Disseminate information and to encourage behaviour change to reduce energy demands ➤ Ensure that people on low incomes, particularly those in fuel poverty are actively engaged and receive on-going support ➤ Work with a cohort of residents, including the fuel poor and those with long-term illnesses, to produce “how-to” guides to share and encourage the adoption of smart meters within the borough. 	2017 - ongoing
Building Control - Boilers and Heat Pumps	<p>Homes for Haringey, an Arms Length Management Organisation (ALMO), manage Haringey’s council housing. There are approximated to be 16,000 tenants and 4,500 leasehold properties managed by the organisation. Between 2015-17 2,200 boiler and heating system replacements were made using the planned and reactive maintenance budget. Appointed installers are able to self-certify installations meet building regulations. The building notices are sent to the Council’s Building Control team.</p> <p>On receipt of such notices, Building Control look at the following aspects:</p> <ul style="list-style-type: none"> ➤ Type of boiler being installed in order to ensure compliance with Part L of the Building Regulations in terms of boiler efficiency and controls and ensuring that the assumptions made in any SAP calculations (if required) are met; 	2015-16

	<ul style="list-style-type: none"> ➤ Boilers are installed in accordance with Part J and the relevant installation and commissioning certificates are provided; ➤ Boilers are installed by competent persons under the Competent Persons Scheme, registered with that scheme and notification provided to Building Control (in the majority of cases GasSafe) 	
EPC's	<p>Minimum Energy Performance Standards in the Private Rented Sector</p> <p>The Smart Homes project was open to the private rented sector. Promotional material included reference to the Minimum Energy Performance Regulation requirements. Over 200 landlords, whose houses were rated low in energy efficiency, installed measures in their properties using Smart Homes grant funding. It is the intention to build on this experience and engage with Landlords around the regulations and energy efficiency measures.</p>	2015-17
	<p>The Private Rented Housing and Enforcement teams are currently discussing how the regulations will be enforced.</p>	2017-18
Planning policy	<p>Haringey's Local Plan</p> <p>Provides proposals to guide development and ensure that properties are built to the highest environmental standards. This involves ensuring buildings are sustainable, with high energy efficiency and therefore low operating costs. This helps to reduce the risk of fuel poverty by ensuring energy costs are as low as possible. In line with the London Plan, new development proposals should:</p> <ul style="list-style-type: none"> ➤ Be Lean – use less energy through sustainable design. ➤ Be Clean – supply energy efficiently, prioritising where possible decentralised energy networks. ➤ Be Green – use renewable energy. 	On-going

	<p>The London Plan is reflected in Haringey’s Local Plan where a commitment has been made to ensure that all new residential buildings are zero carbon from October 2016. In addition, Haringey’s Local plan (SP04) requires all new developments to achieve a reduction in predicted carbon dioxide emissions of 20% from on-site renewable energy regeneration, which can include connections to local sources of decentralised renewable energy.</p> <p>In 2015-2016 Haringey Council secured £40,000 worth of carbon offset payments from four development schemes that did not meet the carbon reduction requirement. All carbon offset payments will support future carbon reduction projects in the borough.</p>	
--	---	--

Partnership work

Working with local communities and partnerships to develop and deliver energy efficiency measures within the borough.

Data	<p>In 2015 the borough’s EPC data was purchased. We are currently working with Cambridge University, Cambridge Centre for Smart Infrastructure to undertake energy analysis of the built environment in the Tottenham Hale area with the potential to expand to other areas within Haringey. The output will be mapped, with the aim of identifying and displaying areas that would most benefit from energy retrofits.</p>	2015 - 2017
Partnerships	<p>Retrofitworks</p> <p>In 2013 Haringey Council assisted with setting-up the Retrofitworks Co-operative. A not for profit cooperative</p>	2015-17

	<p>network of local suppliers, who include experienced builders, installers, energy advisers, architects and building professionals specialising in refurbishment. This Co-operative includes Advocate members including community organizations in Haringey who assist with the generation of local demand for high quality retrofit measures.</p> <p>During 2015-17 the Smart Homes project enabled the Retrofitworks Co-operative to prove its business model and test its operational processes with over £1m of works.</p>	
	<p>Haringey 40:20 Climate Forum</p> <p>The forum was set up to carry forward and monitor the proposals of the Carbon Commission report. The Steering Group includes representatives of the following local sustainability organisations and green groups:</p> <ul style="list-style-type: none"> • The Community Energy Lab (external link), Tottenham • Muswell Hill Sustainability Group (external link) • EN10ERGY (external link) – our local community energy company • Friends of the Earth Tottenham & Wood Green (external link) • Living Under One Sun (external link), Tottenham • The Highgate Society (external link) <p>It also includes local residents, Councillors, and Haringey Council staff, representing the Carbon Management team and Homes for Haringey.</p> <p>The 40:20 HCF Community Fund offers small grants to local organisations with the best ideas to reduce</p>	<p>On-going</p>

	<p>carbon emissions. Supporting local communities to take action to reduce emissions is a core principle of Haringey 40:20</p> <p>The community fund is made possible by Feed-in-Tariff income from the council's solar panels and is administered by the <u>40:20 Haringey Climate Forum Steering Group</u>. In 2016 the JAN Trust were awarded a grant of £2,900 to deliver energy efficiency workshops for Black and Minority Ethnicity (BAME) women so that more Haringey residents can be more informed on how to reduce the borough's carbon emissions.</p>	
	<p>Durham University</p> <p>In January 2014, Haringey launched a two year partnership with Durham University, one of the top ranking teaching and research universities in the UK and home to the internationally renowned Durham Energy Institute (DEI). In 2015-16 three IAA research projects have been undertaken to identify the best way to target and deliver retrofit and fuel poverty schemes in the borough. The partnership is in the process of agreeing a new Memorandum of Understanding of Agreement to continue build on this research and assist the delivery of the boroughs Zero Fifty ambitions.</p>	<p>2015 -17 and ongoing</p>
	<p>Health Sector</p> <p>In 2016 the Carbon Management and Public Health teams in Haringey began discussions to identify collaboration opportunities to tackle fuel poverty. This relationship will be further developed in 2017.</p>	<p>2016 and on-going</p>

London Borough of Haringey HECA report 2017 signed off by: Joe Baker, Head of Carbon Management, Regeneration, Planning and Development

For further information please contact: Gill Cox, Carbon Management Officer. (Gillian.Cox@Haringey.gov.uk)