

Green Action for Change



Camden's Environmental
Sustainability Plan (2011-2020)



Fifth Review
Published on February 2017



Foreword

I am delighted to be able to publish our 5th Review of Camden's 10-year environmental sustainability plan, Green Action for Change. The Review highlights our achievements over 2014-16 and sets out our ambitions to 2018 across a wide range of environmental issues.

I'm pleased to report that borough wide carbon dioxide emissions are now 31% below 2005 levels (our baseline year). Supporting this, we built our first local authority-owned low carbon energy network, Somers Town Energy, which now supplies energy to 350 homes. This is an impressive achievement and I was delighted that the project was recognised with the national District Energy award for 2016. Businesses across Camden have played their part too, with membership of the Camden Climate Change Alliance increasing. I would like to see the borough continue to work together towards our 2020 carbon reduction target of 40% - this would be a wonderful collective achievement.

We all treasure Camden's green spaces. They help keep us active and healthy and they provide homes for wildlife. Camden has seen a growth in publically accessible green space over the last two years and an increase in the number of Sites of Importance for Nature Conservation under positive conservation management. You have helped make this possible with a staggering 14,094 volunteer hours in parks and nature reserves across the borough. Thank you for this remarkable effort.

There are also challenges. Recycling levels across Camden have fallen and household waste continues to rise despite 85% of our rubbish being recyclable. I'm determined to see our new waste collection contract drive improvement in this area, but we also need your help too. Watch out for new initiatives over the next year that will help make it easier for you to recycle.

Fuel poverty should not be an issue in 21st century Britain, but our most vulnerable residents continue to find it difficult to heat their homes. We can't control the rising global energy costs or the declining income levels that cause fuel poverty, but we must do what we can to protect our residents. Over the past two years we've insulated hundreds of Council homes, installed free solar energy to others and provided free advice through our free phone Green Camden helpline to over 2,500 residents. However, without more national funding to address fuel poverty we may struggle to make further in-roads. Over the next two years I want us to put more pressure on Government to make more funding available to end fuel poverty.

I want to conclude on air quality, which I have made a top priority for the Council. Camden and London are badly affected by poor air quality, with 9,500 deaths attributed to it every year. This is a public health emergency and is the reason why I brought together residents, businesses and air quality experts at Camden's 2016 Air Quality conference. The conference has led to an array of new proposals on air quality: more car free days, better monitoring and closer working with schools to protect children from dirty air. I am committed to making these happen through our new Clean Air Action Plan. Above all, I want us to work towards Camden becoming a diesel free borough. This would represent a fundamental change to our environment and the health and wellbeing of our residents.



Councillor Meric Apak

Cabinet Member for Sustainability and Environment
Camden Council

Content

This 5th Review of **Green Action for Change** (GAfC) provides a summary of progress made over 2014-16 and provides a new action plan to April 2018.

1

The key environmental issues in Camden

The five key environmental issues for Camden addressed by GAfC are:

- Reducing Camden's carbon emissions **p5-6**
- Adapting to a changing climate **p7**
- Reducing, reusing and recycling waste **p8**
- Improving air quality **p9-10**
- Enhancing biodiversity, improving green spaces and involvement in gardening and food growing **p11-12**

2

Our 2016/18 Action Plan

The key actions we need to take are organised under the following headings:

- 1. Leading by example as a council **p14**
- 2. Creating the foundations for success – planning, infrastructure and capacity **p15-17**
- 3. Encouraging businesses, institutions and the voluntary and community sector to play a leading role **p18-19**
- 4. Supporting schools and young people to play a leading role **p20-22**
- 5. Improving homes and supporting households **p23-26**

3

3

Glossary

p27

1

The key environmental issues in Camden

The five keys

The key environmental issues in Camden

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Reducing Camden's carbon emissions
p5-6



Adapting to a changing climate
p7



Reducing, reusing and recycling waste
p8

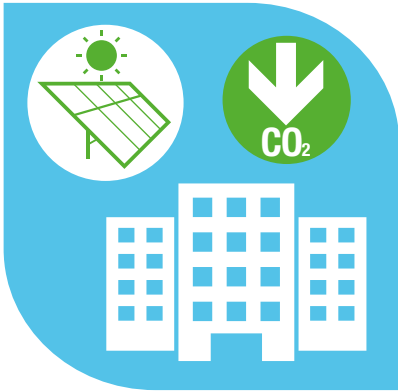


Improving air quality
p9-10



Enhancing biodiversity, improving green spaces and involvement in gardening and food growing
p11-12

Reducing Camden's carbon emissions



Why this issue is important

There is growing scientific consensus that the climate is changing as a result of human activity, principally due to the burning of fossil fuels and the resultant greenhouse gas emissions such as carbon dioxide (CO₂).

The Stern Review on the 'Economics of Climate Change' concluded that the future costs of tackling the consequences of climate change would be far higher than the costs of tackling the causes now. There is therefore also an economic imperative to act.



December 2015 marked the first universal climate agreement, COP21.

The 195 participating countries, including the UK, agreed to reduce emissions to a level that will limit the global average temperature to below 2C compared to pre-industrial levels.

As Camden sits in the heart of the UK's most vibrant city, it is important that we support and implement actions aimed at meeting this agreement.



What we want to achieve

To reduce carbon dioxide (CO₂) emissions in Camden from 2005 levels by: 27% by 2017 | 40% by 2020 | 80% by 2050

Progress over 2014-16

- Borough statistics for 2014 (the latest annual data available from Government) show that per capita CO₂ emissions now stand at 5.5 tonnes per person, a 31% reduction from our 2005 baseline year.
- While per capita emissions may increase in future years, forecasting supported by the latest data from the Committee on Climate Change suggests that per capita emissions will be close to the 2017 target.

Our key initiatives in the 2016/18 Action Plan

- Implement our Carbon Management Plan 2010-20, targeting carbon reductions across corporate property, schools, fleet, hostels and street lighting.
- Develop and encourage low carbon energy projects to support borough wide carbon reduction.
- Provide advice and support to the Camden Climate Change Alliance members to reduce their environmental impact.
- Maximise opportunities to reduce carbon emissions across the Council housing estate towards a 40% reduction by 2020.

Further Information

- Read more about [Camden's Carbon Reduction Programme](#).
- Call the Green Camden Helpline on 0800 801738 and speak to a trained advisor who can give advice on improving your household energy efficiency and check if you are eligible for an energy efficiency grant.

f Substantial emissions reductions over the next few decades can reduce climate risks in the 21st century and beyond, increase prospects for effective adaptation, reduce the costs and challenges of mitigation in the longer term and contribute to climate-resilient pathways for sustainable development. **i**

**Intergovernmental Panel on Climate Change,
5th Assessment Report 2014**

**Fitting pipes for our low carbon energy network,
Somers Town Energy.**



Adapting to a changing climate



Why this issue is important

As well as reducing emissions to prevent further climate change, we need to adapt to the climatic changes that are projected to take place and the changes we think may already be happening. Surface water flooding, heat waves and drought have been identified as key climate change risks for Camden and we have experienced all of them over the last 10 years.

What we want to achieve

- To better understand, manage and mitigate the risks to Camden from a changing climate.

Progress over 2014-16

- We continued to fulfil our statutory duties under the Flood Water Management Act (2010) and Flood Risk Regulations (2009).
- Since 6 April 2015, the Council has had a statutory duty to assess the drainage implications of all major developments to ensure that surface water flood risk is minimised. Over 2014-16, 82 planning applications were considered, securing sustainable drainage solutions in developments.

- We defined the scope and oversaw the Independent Review of the Hampstead Heath dam project, which was granted planning consent in January 2015. The project will significantly improve the standard of protection offered to residents.

Our key initiatives featured in the 2016/18 Action Plan

- Discharge statutory duties linked to the Flood and Water Management Act and Flood Risk Regulations.
- Assess the drainage implications of all major planning applications, conditioning sustainable drainage where appropriate.
- Increase the amount of green space designed to adapt to climate change (for example drought resistant planting).

Further Information

- For advice on preparing for and dealing with flood events visit [London Prepared](#).

Green roofs reduce stormwater runoff helping to decrease the risk of flash flooding.



Flooding along South End Road, 2002.



Reducing, reusing and recycling waste



Why this issue is important

Each year in the UK we generate about 100 million tonnes of rubbish and most of this ends up in landfill despite 85% of household waste in Camden being recyclable. We need to view waste as a resource, moving away from a linear model of production and consumption, towards an approach that focuses on reuse and recyclable value of our waste. Reducing Camden's waste is a key priority and more focus is being placed on supporting and engaging stakeholders to help Camden meet these objectives.

What we want to achieve

- To contribute to a North London recycling and composting rate of 40% by 2020.
- Maintain year on year increases in recycling.
- Reduce household waste from 2008/09 levels by 15% by 2020.

Progress over 2014-16

- By March 2016 Camden's household recycling rate was 24.8%.
- In line with national trends, residual household waste increased to 563 kg (per household per year) in 2015/16. This is an 11.9% increase on the 2008-9 baseline of 503kg.
- By March 2016 commercial recycling tonnage for the whole borough had increased by 632 tonnes to 5,687 tonnes, from the 2014 baseline.

Our key initiatives featured in the 2016/18 Action Plan

- Deliver the three year recycling incentives scheme from October 2016.
- Increase recycling on council estates through awareness campaigns, incentives and improved infrastructure.
- Promote recycling across the schools estate.
- Increase the year on year take up of commercial recycling services.

Further Information

- Arrange a visit to [Edmonton Eco Park](#) and see what happens to your general waste.
- Follow [@WiseUpToWaste](#) and visit [Second Time Around](#) to discover great recycling tips and opportunities.
- Check [top tips to reduce food waste](#).



Improving air quality



Why this issue is important

Air pollution is linked to 9,500 premature deaths in London every year. Protecting local air quality therefore has a vital role to play in safeguarding public health and the environment.

The key pollutants in Camden are nitrogen dioxide (NO₂) and particulate matter (PM₁₀ and PM_{2.5}). The key sources of nitrogen dioxide (NO₂) and Particulate Matter (PM₁₀ and PM_{2.5}) emissions in Camden are road traffic (in particular diesel vehicles), gas boilers and to a lesser extent diesel trains, small industrial processes and construction sites.

What we want to achieve

- Work in partnership with regional and national government to achieve NO₂ air quality objectives.
- Continue to comply with the air quality objectives for PM₁₀ concentrations and to reduce these in the long term to protect public health.
- Continue to comply with air quality objectives for all other minor pollutants.

Progress over 2014-16

- Camden remains in breach of the annual mean NO₂ objective at all four automatic monitoring stations (Bloomsbury, Euston Road, Shaftesbury Avenue and Swiss Cottage) and 12 out of 14 diffusion tube sites (various locations across the borough).
- Annual mean levels of NO₂ monitored at our four automatic monitoring stations decreased by an average of 3% during 2014-15, while 11 out of 14 diffusion tube sites showed an average NO₂ decrease of 4.5%. Additional monitoring undertaken as part of work on HS2, the West End Project, and Torrington Place has confirmed high NO₂ levels across Camden's road network.
- Camden has maintained compliance with PM₁₀ annual mean levels. The overall trend remains downwards, with a 17.5% reduction in PM₁₀ levels from 2011-14 levels. However as there is no recognised safe level for particulate matters, Camden continues to work to reduce these levels as far as possible.

Air pollution monitoring station in the borough.



Our key initiatives in the 2016/18 Action Plan

- Deliver the Clean Air Action Plan (2016-2018).
- Increase the number of low emission vehicles in our fleet and improve the infrastructure supporting them.
- Assess all major planning applications from an air quality perspective.
- Ensure the implementation of HS2 Assurances on air quality.

Further Information

- Reduce vehicle emissions and take up cycling. Improve your skills with a **Cycle Skills** training session.
- **Camden Clean Air Action Plan 2016-18.**

Hampstead Heath



f I had a fantastic cycle to work with one of Camden's cycling instructors. We practiced emergency stops and other basic skills in the park before discussing the possible routes to work. We settled for a route with a mixture of main and residential roads to get my confidence back. I really enjoyed myself and I will be cycling to work every day now. **q**

Camden Resident following a free session

A Council fleet vehicle running on biomethane (a type of fuel made from household waste).



Enhancing biodiversity, improving green spaces and involvement in gardening and food waste



Why this issue is important

We need to protect and improve biological diversity to keep the planet and borough healthy. A biologically diverse natural environment also plays a crucial role in our economic prosperity, health and wellbeing.

Green spaces also contribute to the quality of life for people and play an important role in helping to improve air quality and to moderate climate changes.

What we want to achieve

- Maintain the number of Sites of Importance for Nature Conservation (SINCs) that are under active conservation management in line with the 2013 baseline of 63%.
- Maintain the extent of priority habitat and designated wildlife sites against the 2012 baseline.
- Increase the amount of publically accessible open space in Camden with two newly accessible open spaces by 2018.
- Plant and maintain 400 street trees per year.

Meadow Creation at Talacre Gardens.



Progress over 2014-16

- The proportion of local sites under positive conservation management increased to 69% over the two year period.
- A review of our designated wildlife sites identified 3 new sites and some boundary changes resulting in increases across all designations and an overall gain of 2.6ha.
- New biodiverse planting and natural play features were installed at The Warren, Highgate New Town Open Space and Montpellier Gardens. Meadows were created and improved at St Pancras Gardens, St Andrews Gardens and on housing estates across the borough.
- Public access to Cartwright Gardens was secured – UCL are currently implementing approved landscaping prior to the site being opened to the public.
- 592 trees were planted in 2014/15 and a further 429 were planted in 2015/16. Over the same period 1,184 self-seeded trees in inappropriate locations were felled
- The Green Gym Programme registered 917 volunteers over 2014-16 who completed 14,094 volunteer hours (an increase of 46.6% on 2012-14 figures) of nature conservation in parks and nature reserves across the borough, as well as supporting 5 gardening groups.
- In 2015 we commissioned a new two year green space volunteering programme to deliver Green Gym activities across green spaces as well as gardening and food growing on Camden housing estates.

Enhancing biodiversity, improving green spaces and involvement in gardening and food waste



Our key initiatives in the 2016/18 Action Plan

- Deliver the Biodiversity Action Plan.
- Maintain levels of volunteering in Camden green spaces and target opportunities in areas of deficiency in access to nature.
- Increase the amount of green space designed to adapt to climate change through the Green Space Investment Programme.

Further Information

- Read Camden's [Biodiversity Action Plan](#)
- Get involved in a [Green Gym](#)
- Join [Project Dirt](#)
- Take part in the [Camden Nature Watch](#)

Green Gym volunteers in action.



Planting a tree in Waterlow Park to celebrate David Attenborough's 90th birthday.



2

Our 2016/18 Action Plan

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and community sector to play a leading role p18-19
- 4. Supporting schools and young people to play
a leading role p20-22
- 5. Improving homes and supporting households p23-26

1. Leading by example

Why this issue is important

The Council recognises the need to lead by example by reducing the environmental impact of our own estate and operations if we are to expect local people and businesses to take responsibility for their own actions.

What we want to achieve

- Reduce CO₂ by 27% by 2017 and 40% by 2020 from 2009/10 levels across our own estate and operations.
- Reduce the Council's environmental impact through sustainable procurement.
- Play our part in improving air quality by cutting emissions from our own vehicle fleet.
- Demonstrate, through Council led development, how buildings can be built cost effectively to high environmental standards.

Achievements over 2014 - 16

- By March 2016 Camden had achieved a 26% reduction in carbon emissions from our estate and operations from the 2009/10 baseline.
- All hire vehicles now meet Euro V emissions standards and we will no longer purchase diesel vehicles for our own fleet.
- A permanent Compressed Natural Gas (CNG) supply is being built at our York Way Depot.
- The freight consolidation pilot received formal approval to continue on a long term basis in January 2015. By March 2016, 250 council buildings and over 200 suppliers had worked with Camden's consolidation centre. This service achieved a reduction of 4,258 Council deliveries.

- Camden won 'Transport Borough of the Year' and 'Contribution to Sustainable Transport' awards in 2016, and was also awarded further funding from the Mayor's Air Quality Fund to continue its work into the next 3 years.
- 5 Pancras Square (the new library, sports centre and Council office) achieved a 'BREEAM Outstanding' rating with a score of 97.6%, the second highest BREEAM rating in the UK at the time.

Solar panels on the roof of the Council building (5 Pancras Square).



Camden Council offices - 5 Pancras Square.

1. Leading by example

Key actions for 2016/18	Issue addressed
Implement our Carbon Management Programme 2010-20, monitoring and targeting carbon reductions across corporate property, schools, fleet, hostels and street lighting.	Reducing Camden's carbon emissions
Increase the numbers of low emission vehicles in our fleet and improve the low emission infrastructure supporting them.	Improving air quality
Reduce and consolidate journeys across the Council's fleet.	Reducing Camden's carbon emissions
Continue to expand the use of the Camden led freight consolidation service.	Improving air quality
Improve the environmental sustainability of the Council's procurement of goods and services.	All issues
Complete a BREEAM In-Use assessment for 5 Pancras Square targeting 'Outstanding' rating by April 2018.	All issues
Ensure that Council led development schemes are built to the highest possible sustainable design and construction standards within available financial resources.	All issues
Ensure compliance with the minimum efficiency standards affecting commercial property from April 2018.	Reducing Camden's carbon emissions



Camden won the 'Freight Consolidation Service' category at the London Transport Awards 2016.



How other organisations can lead by example

Visit: The [Camden Climate Change Alliance](#) for more information.

2. Creating the foundations for success - planning, infrastructure and capacity

Why this action is important

We need to make it as easy as possible for our diverse communities, residents and businesses to take responsibility for their own environmental impacts. We can support this through sustainable planning policy, identifying and attracting investment for green, low carbon and low waste infrastructure and technologies, and supporting the local green economy.

What we want to achieve

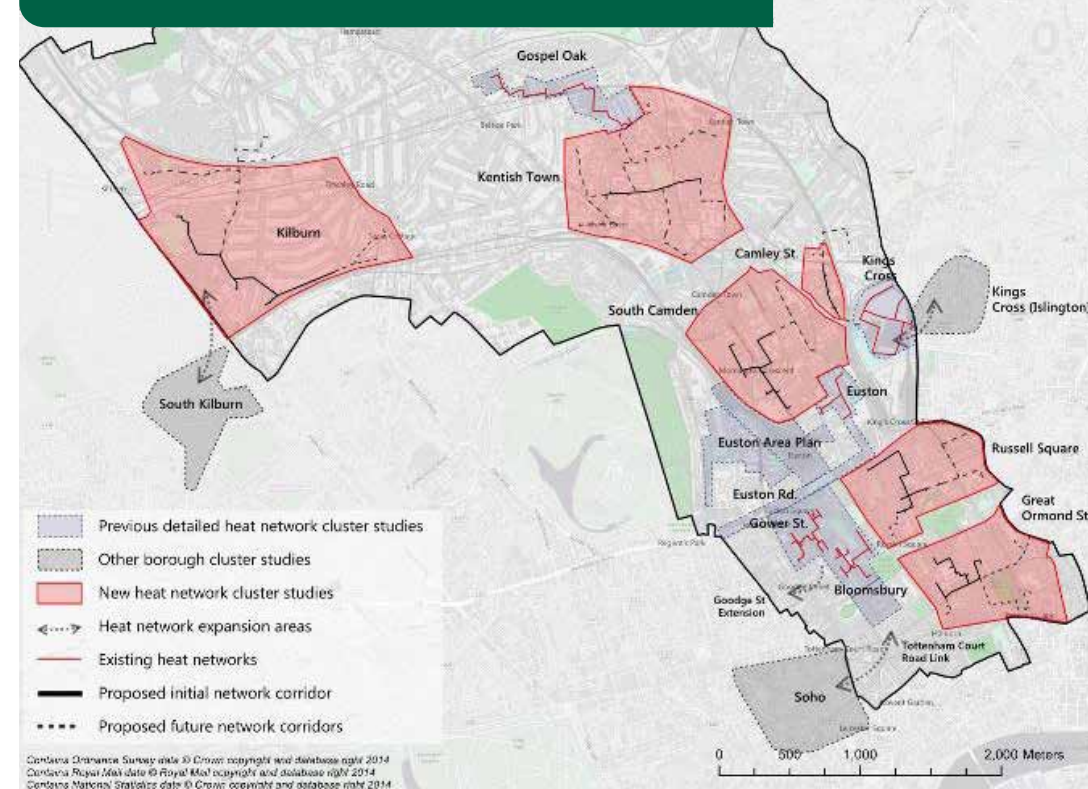
- Make sure that development in Camden minimises energy use, achieves the highest possible environmental standards and is designed to adapt to climate change.
- Develop and encourage low carbon energy projects to support borough wide carbon reduction.
- Make Camden the best borough in London for cyclists and pedestrians.
- Enhance the quality of green spaces and make it easier for everyone to access the benefits they provide.

Achievements over 2014 - 16

- The **Local Plan** includes policies on climate change mitigation and adaptation which are considered appropriate and achievable. The Local Plan will be adopted in 2017/18.
- Camden identified 11 areas for low carbon energy project development within our new borough-wide decentralised energy strategy (see map on the right).

- Phase one of **Somers Town Energy** went live in October 2015 and won the national 2016 Heating and Ventilation award for best District Energy project.
- Over £100,000 of grant funding was secured from Government to deliver the Euston, Russell Square and Kentish Town feasibility studies for low carbon energy projects.
- Cycle training was provided to 2,349 residents and a new adult cycle training centre opened at Haverstock School.
- Four new Play Streets opened at Ryland Road, Albert Street, Rousden Street and Asmara Road.
- The latest data (covering 2014-15) shows that the number of people cycling increased by 2% from 56,000 to 57,000, while the number of car journeys decreased by 0.9% from 198,000 to 195,000. Overall, total motorised traffic decreased by 1.6% from 368,000 to 363,000.

Decentralised Energy cluster areas in Camden.



2. Creating the foundations for success - planning, infrastructure and capacity

Achievements over 2014-16 (continued)

- Increasing awareness of air quality by leading on the London-wide Breathe Better Together campaign, including events at schools in the borough.
- Our anti-idling and awareness raising project with Great Ormond Street Hospital helped reduce emissions around the hospital site and won a National Air Quality Award 2015 for 'Best Communications Campaign'.
- Camden's work with the construction industry on best in class measures to reduce construction site emissions was also shortlisted for a National Air Quality Award.
- Continuing to engage with local businesses on projects such as quiet cycling routes in Fitzrovia, a green walking route between King's Cross and Euston stations, and further work with the **Close the Door Campaign**.
- Engaging and lobbying to push for greater action from regional and central government on air quality. Camden lobbied the Mayor of London to extend the proposed Ultra Low Emission Zone beyond the borough boundaries.
- We completed a project with residents in Dartmouth Park to address concerns about the extent of surface water flood risk in their area. The investigation improved local understanding of flood risk issues and identified a number of property level protection solutions.
- An interim review of the Camden Biodiversity Action Plan showed that 72% of actions are on schedule and 26% have already been completed.
- Camden secured over 100 assurances from HS2 to help mitigate the impact of construction on the lives of residents and businesses. Key assurances include:
 - All HGVs will be Euro VI emission standard, which will reduce emissions from HS2 related road transport.
 - HS2 must meet the strictest standards of any UK development for emissions from Non Road Mobile Machinery.
 - Funding to enable Camden to provide new and enhanced green space during the construction period, the replacement of all trees lost as a result of HS2, a commitment to high quality permanent replacement open spaces and funding for a linear green space on Phoenix Road.

2. Creating the foundations for success - planning, infrastructure and capacity

Key actions for 2016/18	Issue addressed
Assess all major planning applications from an energy, flood risk, air quality and biodiversity perspective, securing appropriate conditions to achieve environmental outcomes.	Adapting to a changing climate
Ensure that planning polices continue to support the objectives of Green Action for Change and monitor and report on compliance.	All issues
Continue to identify and deliver low carbon energy projects in partnership with developers and organisations in the borough.	Reducing Camden's carbon emissions
Deliver the Camden Transport Strategy (2011-2031) , including continuing to work with TfL and the Mayor's office to deliver improvements to Camden's cycling infrastructure.	All issues
Implement the Go Ultra Low project in partnership with TfL and other London boroughs.	Improving air quality
Deliver the Clean Air Action Plan 2016-2018.	Improving air quality
Discharge duties under the Flood Water Management Act (2010) and Flood Risk Regulations (2009).	Adapting to a changing climate
Deliver the Camden Biodiversity Action Plan.	Enhancing biodiversity
Ensure the implementation of HS2 Assurances.	Improving air quality



Cycle lane along Royal College Street.

How you can help

- Be involved in **plans that aim to shape your area**

3. Supporting businesses, institutions and the voluntary and community sector to play a leading role

Why this action is important

Local businesses and institutions have a major role to play in reducing the borough's carbon emissions as they are responsible for 66% of emissions. The Camden Climate Change Alliance is the key network through which the Council and its partners support businesses and other institutions to reduce their emissions.

The Council and our partners also have a central role to play in enabling our diverse communities to take responsibility for their own environmental impacts.

What we want to achieve

- To reduce carbon emissions from Camden's business sector.
- More Camden businesses reducing carbon and saving money through the Camden Climate Change Alliance.
- Increase recycling levels collected from businesses and other institutions.

Achievements made over 2014-16

- By 2016 the Camden Climate Change Alliance (CCCA) secured its 323rd member since its establishment in 2008. This gives a growth rate of 12.5% from the previous year.
- In Feb 2016 the CCCA relaunched as a financially self-sustaining service offering environmental consultancy and membership tiers to help streamline the service and meet individual business needs.

- The CCCA hosted 14 events over the two years which were attended by 475 businesses.
- Eight CCCA members applied for Marks of Achievements. Great Ormond Street Hospital, SOAS University of London, and Ambassador Theatre Group won the 'Excellence in Energy Efficiency and Carbon Reduction' award. The Wellcome Trust, Troup Bywaters and Anders, and Friends House won the 'Outstanding Contribution to Environmental Sustainability' award.
- Our commercial recycling service began in 2014-15 and 2016-16 saw a 13% increase in recycling rates.
- By 2016 Project Dirt membership had increased by 367 members (From 2013-14 figures). Project Dirt promoted 440 green events over 2014-16.

Marks of Achievement Awards – University of London



3. Supporting businesses, institutions and the voluntary and community sector to play a leading role

Key actions for 2016/18	Issue addressed
Provide advice and support to Camden Climate Change Alliance members to reduce their environmental impact.	Reducing Camden's carbon emissions
Measure and report on carbon emissions from members of the Camden Climate Change Alliance to demonstrate its impact.	Reducing Camden's carbon emissions
Continuously improve the on-line Camden Climate Change Alliance offer and increase membership year on year.	All issues
Increase the year on year take up of commercial recycling services.	Reducing, reusing and recycling waste
Maintain levels of volunteering in Camden green spaces and target opportunities in areas of deficiency in access to nature.	Enhancing biodiversity Adapting to climate change Improving air quality
Support community groups to bring forward their own community led energy projects across Camden.	Reducing Camden's carbon emissions

Camden Business Awards



How you can help

- Join the **Camden Climate Change Alliance**

**Camden
Climate Change
Alliance**



4. Supporting schools and young people to play a leading role

Why this action is important

Schools represent over one third of Camden Council's carbon emissions. Schools influence the behaviour of children, their families, school staff and the wider community.

What we want to achieve

- Secure energy and carbon reduction across the schools' estate to support the Council's carbon reduction targets to 2020.
- Increase awareness within schools of environmental issues.
- Reduce the number of children being driven to school by private car.

Achievements made over 2014-16

- Energy improvement measures were installed at over 40 schools and 9 children's centres as part of the Community Investment Programme (CIP).
- In 2015-16 the average school Display Energy Certificate improved to 94 (equivalent to a grade D) from 102 (equivalent to a grade E) in 2014-15.
- 36 schools and children's centres have a live Energy Action Plan and 40 schools are registered or have been awarded Eco School status, including one Green Flag school.

- Camden worked with the Marine Stewardship Council to provide assemblies promoting Camden's sustainable fish policy and to educate children about the origins of their food. Camden scored highly in the Good Food for London table of boroughs, moving up to 4th place against a range of food sustainability criteria.
- 24 schools submitted a School Travel Plan for the 2015-16 academic year, an increase from 20 in 2013-14.
- Free events, 'Bikeability' and scooter training, pedestrian skills and funding for cycle and scooter storage were provided to schools benefiting over 750 pupils.
- Transport for London awarded 5 Camden schools £2,995 for bike clubs and the purchase of balance bikes. Additionally, 12 schools who submitted travel plans were awarded small grant funds for pedometers, pool bikes, a BMX/cycling road show and special bikes for a Special Education Needs (SEN) school.
- Waste and Recycling officers published advice to schools about recycling benefits and opportunities, launching a new Traded Service offer. This resulted in 7 state schools and 3 independent schools in Camden signing up for new or amended recycling services.
- The Clean Camden Campaign week helped 120 children understand the benefits of recycling and reducing litter. Further talks were given to parents by the North London Waste Authority.

4. Supporting schools and young people to play a leading role

Key actions for 2016/18	Issue addressed
Deliver energy efficiency improvements to the Camden schools estate through the sustainability capital and Community Investment programmes.	Reducing Camden's carbon emissions
Improve the overall energy performance ratings for school buildings.	Reducing Camden's carbon emissions
Continue to work with schools to promote sustainable travel.	Improving air quality
Promote recycling across the schools estate.	Reducing, reusing and recycling waste
Develop partnerships that deliver positive environmental behaviour change in schools.	All issues

How you can help

- Use the **Camden Sustainable Schools Guide**
- Join Camden's Sustainable Schools Network
- Find out more about eco schools at www.eco-schools.org.uk

Solar panels on Konstam Nursery in Dartmouth Park.



School 'Bikeability' Training Session



5. Improving homes and supporting households

Why this action is important

Homes in Camden account for 25% of all territorial CO₂ emissions in the borough and each household creates on average half a tonne of waste each year. Improving the energy efficiency of homes also helps to protect residents from fuel poverty.

What we want to achieve

- Improve the energy efficiency of Camden housing.
- Protect vulnerable households in Camden from fuel poverty.
- A 27% CO₂ reduction across our Council housing by 2017.
- Increase household recycling rates and reduce the percentage of residual household waste.

Achievements made over 2014-16

- Camden secured £968,000 of Energy Company Obligation funding towards insulation and heating upgrades to the Bacton Estate, 88 sheltered flats and a cross tenure insulation project at Plender Court where 6 council owned and 6 private flats were insulated.
- A further 400 of Camden's remaining hard to treat cavity walls were insulated. 12,200 (97%) of Camden's cavity wall homes are now insulated.
- In preparation for the extension of the district heat metering programme approximately 1,792 heat meters were installed.

- The Green Camden Helpline provided advice to 2,670 residents. During 2015-16 (the first year of recorded data) 239 callers were provided with advice on the £140 Warm Home Discount and of these, the Helpline made 64 direct referrals to the scheme, leading to a combined fuel bill saving of £8,960.
- 1,567 **Well and Warm** advice visits were delivered, exceeding the target of 600 per year.
- 78 energy efficiency grants were awarded to low income private sector households and landlords through our Housing Renewal Assistance Policy (HRAP) totalling £257,000. A further 32 landlords who own property in Camden have been trained under the landlord accreditation scheme bringing the total to 756.

Denton estate external wall insulation



Improving homes and supporting households

Achievements made over 2014-16 (continued)

- During 2014-16 a number of energy efficiency works were undertaken reducing CO₂ emissions from Camden's tenanted housing stock by 2.25%, bringing the total reduction to 25.6% since 2005. Energy efficiency programmes planned on Camden's stock are projected to hit the 27% reduction target by 2017. The projected reduction by 2020 given existing improvement programmes is 33.1%.
- 276 Camden residents were referred to the Smart Homes programme and 56 households were awarded grants for a range of measures including wall insulation, boiler replacement and window upgrades. 37 installations were completed in 2015-16 with the remaining 19 to be installed during 2016-17.
- Camden held 54 food waste prevention outreach events such as 'Love Food, Hate Waste'.
- During 2015 the North London Waste Authority carried out a 6 month Waste Electrical and Electronic Equipment reuse trial at Regis Road Recycling Centre. 68% of items collected were reused.
- The Restore project collected 7.7 tonnes of furniture from Camden residents during 2015/16.
- £434,000 of Government funding was secured to trial estates and kerbside incentive schemes for 3 years. This is currently being mobilised for 2016/17.
- Improvements were made to Council estate recycling facilities including 15 new bin housing units, targeted door-stepping to 3,478 households, and additional textile bins, diverting 19.6 tonnes of waste from landfill.

■ By March 2016 the annual participation rate for dry recycling was 61% (51% in 2013) and 21% (20% in 2013) for food waste on the kerbside recycling service.

■ An incentive scheme trialled at Walker House rewarded residents for recycling. The residents increased their recycling from 18 to 29 tonnes and received £864 from avoided disposal costs. Further household waste was saved in 2014-15 after the promotion of free electrical goods recycling generated 53 tonnes of savings.



Councillor Apak at one of the Perspex bin trial sites.



Promoting the Council's recycling rewards initiative.



Improving homes and supporting households

Key actions for 2016/18	Issue addressed
Cross-tenure	
Continue to support the most vulnerable households in the borough to be able to afford to heat their homes.	Fuel Poverty
Continue to seek opportunities for renewable energy uptake across Camden's social and private housing.	Reducing Camden's carbon emissions Improving air quality
Deliver the 3 year recycling incentives scheme from October 2016.	Waste
Private sector housing	
Continue to use Decent Homes Standard definitions and duties or powers to mitigate excess cold and excess heat hazards, through general publicity and the London Landlord Accreditation Scheme.	Reducing Camden's carbon emissions Fuel Poverty
Supply loans, grants or assistance to increase household efficiency and energy production measures in the private sector, especially the private rented sector.	Reducing Camden's carbon emissions Fuel Poverty
Council housing	
Maximise opportunities to reduce carbon emissions across the Council housing estate by 27% by 2017 and towards 40% by 2020.	Reducing Camden's carbon emissions
Comply with national legislation to install building level meters to all district heat networks by 2020 and expand the consumption metering programme through existing programmes.	Reducing Camden's carbon emissions
Complete a detailed analysis of district heating efficiency at sample housing estates with a view to improving performance and reducing network losses across the Estate.	Reducing Camden's carbon emissions
Increase recycling on council estates through awareness campaigns, the incentive scheme and improved infrastructure.	Reducing, reusing and recycling waste

Kilburn Gate retrofitting - before



Kilburn Gate retrofitting - after



3

Glossary

Biodiversity	The variety of plant and animal life on Earth or in a particular habitat (place), a high level of which is usually considered important and desirable.
Carbon emissions (CO ₂)	The release of carbon dioxide (a greenhouse gas which contributes to climate change) into the atmosphere, through the burning of fossil fuels for energy.
Per capita CO ₂ emissions	The amount of CO ₂ produced by each person in the borough
NO ₂	Nitrogen dioxide.
NO _x	Nitrogen oxides (NO and NO ₂ - nitrous oxide and nitrogen dioxide).
PM ₁₀	Particulate matter.
Residual household waste	The waste left after recycling and composting.
SINCs	Sites of Importance for Nature Conservation.