

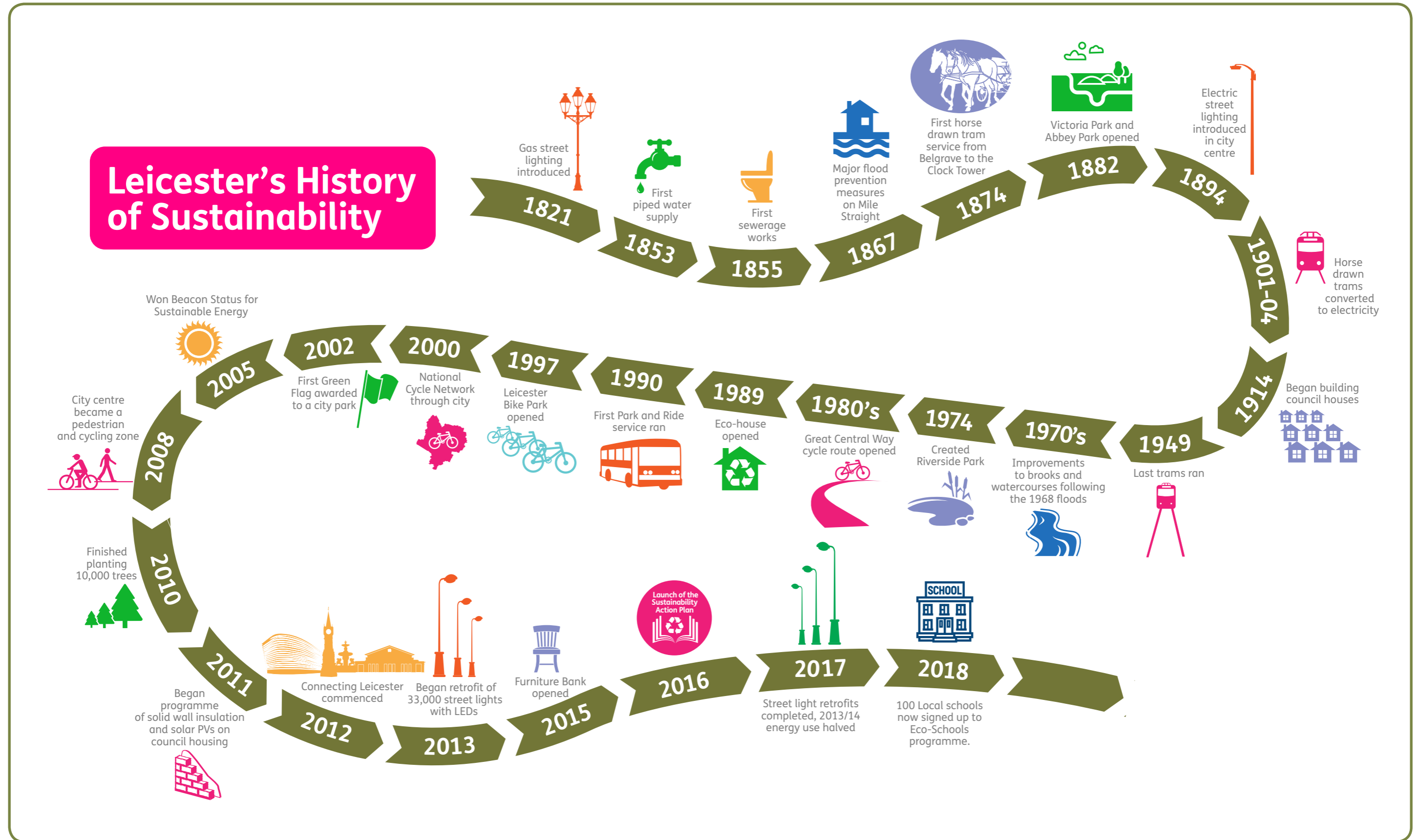
Leicester's Sustainability Action Plan

2016 – 2019



Updated 2018

Timeline of Achievements



Foreword



Welcome to this update to Leicester's Sustainability Action Plan for April 2016 to March 2019. Inside, you will find details of actions completed in the first two years of the plan, and commitments for the third year. Some of the headline achievements in years one and two are shown on the following pages.

Leicester's credentials as an aspiring smart, sustainable city are amongst the strongest in the UK, with challenging, long-term local climate change targets adopted over a decade ago – before the Climate Change Act introduced a target for the UK. Sustainability lies at the heart of our vision for the development and enhancement of Leicester in the coming years in response to the many challenges we face. Today the future of cities like ours, and the contribution they can make to addressing climate change, are key concerns of communities and political leaders around the world – as highlighted by the Paris Agreement. As a sign of our own continuing commitment in Leicester, we have joined the UK: 100 group of cities and towns in pledging a transition to clean energy sources by 2050.

Leicester is now well underway with action to meet its target of halving city-wide emissions of carbon dioxide from 1990 levels by 2025. The city's District Heating Scheme now connects with 2,800 dwellings and 38 operational buildings. Electricity demand from street lighting has reduced by 56% since 2008/09 – mainly through our White Lights LED project. Thousands of homes are now more energy efficient and hundreds of businesses and organisations have taken steps to reduce their carbon footprint. Electricity, gas, water and heat use is carefully controlled in over 300 corporate buildings with the help of intelligent metering, and the Connecting Leicester project is transforming the city to make journeys by sustainable transport a more attractive option. Encouragingly the most recent figures, for 2016, show a further 6% reduction in Leicester's carbon dioxide emissions and, based on current trends, we are on track to meet our target.

The actions underlying this progress also have secondary benefits improving the health and wellbeing of people living, visiting and working in Leicester. More energy efficient buildings and high quality housing help improve mental health and prevent illness. The quality of the air we breathe has improved, helping continue the downward trend in premature deaths associated with air pollution (from 7% in 2010 to 5% in 2015). This is in part linked to changing how people travel in the city and commute to work. Increasing the number of people walking, cycling and having an active commute not only reduces car use but increases physical activity which helps people live longer healthier lives.

This progress is welcome, but we can't afford to be complacent. As we move into the third year of this action plan, our focus remains on the key themes where the city council has direct influence, including the examples below and more:

- Business – supporting small and medium enterprises to improve their energy efficiency and cut costs, and engaging with companies about the opportunities around electric vehicles.
- Housing – launching our own energy company: Fosse Energy to offer affordable energy to our residents, with all electricity being renewable.

- The council – continuing to look at further carbon reduction opportunities in our corporate buildings, vehicle fleet and public lighting.
- Development – continuing to apply planning policies to ensure that new development – including our own school expansion projects – take full advantage of the opportunities for low carbon design and energy systems.
- Mitigation and adaptation – improving city parks and green spaces for bees and other pollinators through our Urban Buzz project with Buglife, and trialling a new collection scheme for small waste electrical items from households in parts of the city.
- People – building on what we've already achieved to work with even more schools through Eco Schools, Food for Life, Healthier Air for Leicester and Litter Less, as well as further boosting environmental volunteering and active, sustainable travel.

Delivering a sustainable, low carbon city is this mayoral administration's top environmental priority, and the ambitions, priorities and actions in the pages that follow demonstrate our capacity and desire to deliver more. Whilst achieving our climate change target remains a challenge, particularly in the difficult financial environment we now face, Leicester is ready to seriously consider what it will take to deliver a zero carbon future.

When we set the ambitious target to halve Leicester's carbon dioxide emissions by 2025 back in 2006, the goal of a low carbon city was part of a distant future. Now it is within our grasp. This action plan is an important step towards that goal and the more secure future it will help bring.


Councillor Adam Clarke
Deputy City Mayor with responsibility for
Environment, Public Health and Health
Integration

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Achievements

April 2016 – March 2017



7.5%
reduction in the council's carbon footprint – on track to meet our target for halving emissions by 2025




1,460
new, more efficient boilers installed in council houses



£150,000
invested in energy efficient LED way-lighting



13 council vehicles replaced with electric vehicles



50
small and medium companies advised on energy-saving

5 more wildlife meadows created or enhanced




16 more schools joined the Eco-Schools programme



1,107 increase in daily cycling journeys recorded




614 new flats agreed to be added to low-carbon district heating network




6 more streets improved through Connecting Leicester




Nearly **215,000** bulbs planted



58,290 hours of volunteer time given to enhancing Leicester's parks



1,437 new members joined our Choose How You Move car share scheme



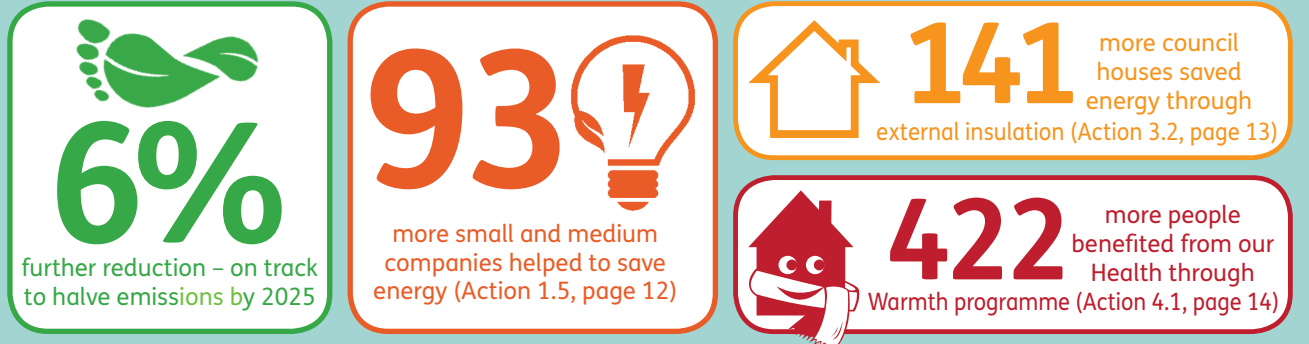
2,200 school pupils completed Bikeability cycle training



Achievements

April 2017 – March 2018

City-wide carbon dioxide emissions (Ambition 1)



The city council's carbon footprint (Ambition 2)



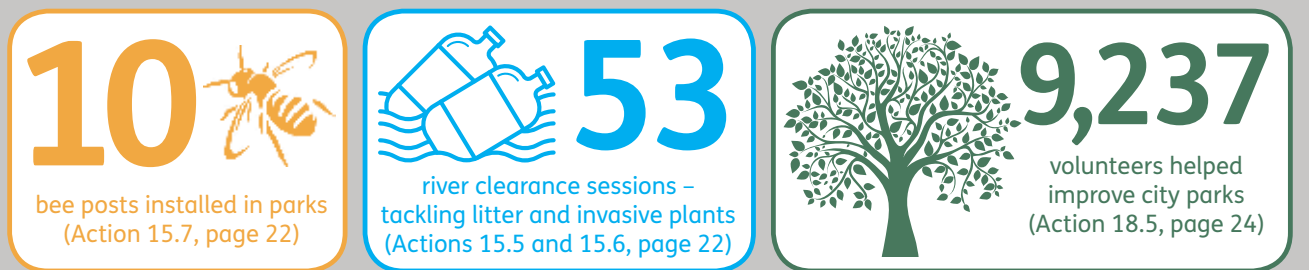
Air quality and healthier lifestyles (Ambitions 3 and 4)



Engagement (Ambition 5)



Open Space and Wildlife (Ambition 6)



An Integrated Approach

This action plan captures sustainability across the whole council. It draws on a number of documents from specific services who manage sustainability within their own programmes. To find out more information about sustainability in specific service areas please refer to the following documents:

[Leicester Cycle City Action Plan](#)

[Economic Action Plan](#)

[Healthy Air for Leicester – Leicester’s Air Quality Action Plan](#)

[Leicester Tourism Action Plan](#)

[Leicester’s Biodiversity Action Plan](#)

[Leicester’s Food Plan](#)

[Green Infrastructure Strategy](#)

[Leicester’s Joint Health and Wellbeing Strategy](#)

City Council Ambitions

- **Halve city wide carbon dioxide emissions by 2025**
- **Halve the city council’s carbon footprint by 2025**
- **Meet EU target levels for air quality to create a healthier environment for city residents**
- **Encourage healthier lifestyle choices, and double everyday cycling numbers by 2018 then again by 2024**
- **Engage with more individuals, households, schools and employers each year to improve environmental awareness**
- **Protect and enhance open space and improve connectivity to wildlife areas**

Strategic Themes

The Sustainability Action Plan is divided into six strategic themes as demonstrated in the diagram below. A number of priorities and actions to be completed by the end of March 2019, have been developed for each strategic theme in order to facilitate a more sustainable city.



Priorities for 2019

Business

- 1 Support businesses to reduce their carbon emissions
- 2 Provide support to businesses that contribute to the low carbon economy

Housing

- 3 Increase the energy efficiency of council housing
- 4 Increase the energy efficiency of private homes in the city
- 5 Work towards delivering an energy company

The Council

- 6 Reduce the council's carbon footprint, maintaining the momentum for meeting the 2025 target

Development

- 7 Improve and extend the existing District Heating Scheme
- 8 Reduce the environmental impact of new development in the city
- 9 Improve pedestrian and cycle connections, and the quality and provision of public spaces, to enhance Leicester's public realm
- 10 Improve existing smart infrastructure in Leicester to work towards becoming a smart city

Mitigation and Adaptation

- 11 Facilitate an increase in the take up of cleaner and more efficient vehicles to address air quality
- 12 Increase the proportion of travel by sustainable transport modes such as cycling, walking and use of public transport
- 13 Minimise waste and increase recycling
- 14 Increase support for sustainable procurement
- 15 Protect and enhance biodiversity
- 16 Identify and enhance green networks and water corridors across the city
- 17 Improve and adapt services to increase resilience to the expected impacts of climate change

People

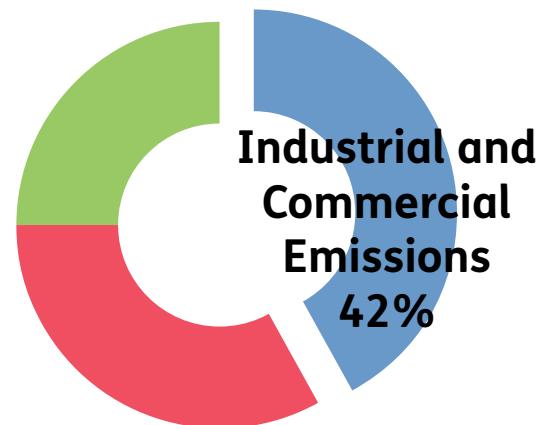
- 18 Increase action taken by city residents in support of the Sustainable Leicester priorities
- 19 Enhance environmental education across the city

Theme 1 - Business

Leicester's businesses and organisations are responsible for approximately half of the city's emissions of carbon dioxide. Effective engagement with this sector will therefore be critical to the overall plan for carbon reduction.

Figures from the Department for Business, Energy and Industrial Strategy (DBEIS)¹ show a 46% decrease in industrial CO₂ emissions since 2005. This reflects both the changing nature of business and the increasing energy efficiency of modern production processes and building management systems.

Leicester City Council is developing an ambitious vision to develop a stronger low carbon economy, supporting local businesses and attracting investment to the city. This includes building strong partnerships with organisations that pledge to take action and reduce their carbon footprint.



Priorities and key actions

1. Support businesses to reduce their carbon emissions

Within the city, enhancing energy and resource efficiency is particularly significant since we remain a disproportionately manufacturing economy and the two largest sub sectors, food and drink, and textiles, are traditionally heavy energy consumers. Our business support strategies will include a focus on these sectors. We will also use our direct communication channels to promote the low carbon message to the 500 plus businesses who are direct tenants of city council premises.

The council's Green BELLE project² provides free advice and audits for small to medium enterprises in the city on how to improve their efficiency and reduce carbon. Over 50 Leicester organisations and businesses pledged their support to the previous Climate Change Programme of Action.

Moreover, the council operates a discretionary rates relief programme. The scheme prioritises high growth businesses, bringing empty buildings back to use, and regeneration of priority areas. The council will review this programme to establish if it is possible to incentivise investment in energy reduction measures.

¹ Government carbon dioxide emission statistics for local authority areas can be found at: <https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-2016>

² More information about Green BELLE can be found at: <http://www.greenbelle.org.uk/>

	Action	Completion date end of
1.1	Review the discretionary rates relief scheme to incentivise investment in sustainable technologies	Completed in 16/17
1.2	Promote energy efficiency measures throughout the council's commercial estate and to key business sectors including food and drink and textiles	Completed in 16/17 To continue in 17/18 and 18/19
1.3	Ensure that all of the council's rented assets which are let to new business tenants, or re-let to existing tenants, from 1 April 2018 meet a minimum Energy Performance Rating of E	18/19
1.4	Expand existing work with city wide partners on climate change mitigation and adaptation	Action finished in 17/18
1.5	Engage with over 90 businesses each year through the Leicester Energy Agency and seek funds to incentivise investment in energy efficiency	18/19

The Leicester and Leicestershire Enterprise Partnership (LLEP)³ aim to drive forward regeneration and growth of the local economy. In partnership with the LLEP, the council will provide specific business support to those within the low carbon sector.

2.1	Facilitate networking and communication within the low carbon sector supply chain	Completed in 16/17
2.2	Review and expand the current offer of low carbon related vocational and higher education programmes, in partnership with colleges and universities	18/19
2.3	Support research and development in low emission technologies and support businesses in this sector	Completed in 16/17
2.4	Engage with 180 businesses in the city to promote electric vehicles	18/19
2.5	Consider how the council can directly sponsor awards and initiatives that encourage and celebrate environmental best practice	Action finished in 17/18

³ Information on the LLEP can be found at: llep.org.uk

Theme 2 - Housing

The domestic sector contributes approximately one third of the city's emissions of carbon dioxide. Emissions from this sector have decreased by 33% since 2005.

In comparison to other UK cities, Leicester has a higher proportion of solid wall properties. Meeting our 50% carbon reduction target will require a plan for dealing with these older, less efficient properties (particularly inner city terraces) that are more expensive and difficult to treat. We will therefore develop schemes to take advantage of any future funding offers, to work with private residents to maximise economies of scale and manage the visual impact of external wall treatments.

Successive funding schemes for private sector housing from both central government and energy companies have encouraged take up of the lower cost energy efficiency measures, such as loft and cavity wall insulation. The carbon agenda is not the only incentive for improving the efficiency of the city's housing stock. Inefficient housing has a number of negative impacts on health, from respiratory issues to stress, which emphasises the need to make further steps in the domestic sector. The council will continue with installing basic energy efficiency measures across the city and to top-up loft insulation in particular alongside boiler replacement and installation of new heating controls.



Priorities and key actions

3. Increase the energy efficiency of council housing

Work continues to improve the energy efficiency of the council's own housing stock, including the installation of metering for those residents whose properties are part of the District Heating Scheme, and a specific focus on the least efficient housing.

	Action	Completion date end of
3.1	Introduce individual metering in 2,700 council homes on the District Heating Scheme	Rescheduled to 18/19
3.2	Complete programme of external wall insulation for 135 council houses	Completed in 17/18
3.3	Roll out the boiler replacement programme to a further 1,460 council houses UPDATED ACTION 2017: Roll out the boiler replacement programme to a further 1,360 council houses in 2017/18 UPDATED ACTION 2018: Roll out the boiler replacement programme to a further 1,360 council houses in 2018/19	Completed in 16/17 and 17/18 To continue in 18/19
3.4	Invest £500,000 in continuing specialist work to ensure all council housing attains a SAP rating of 75 or above	Completed in 16/17

4. Increase the energy efficiency of private homes in the city

The council's Capital Projects and Sustainability Service is continuing to promote energy efficiency and affordable warmth measures for private homes in partnership with other agencies.

4.1	Continue to run the Health through Warmth scheme, providing energy efficiency improvements to households in need UPDATED ACTION 2018: A new contract has been signed to continue the Health through Warmth scheme until December 2019.	Completed in 16/17 and 17/18 To continue in 18/19
4.2	Provide up to £80,000 in grants to landlords for making energy improvements to their tenanted properties heating systems	16/17 and 17/18 programmes completed
4.3	Assess the heating and energy efficiency of private rented properties, and bring about improvements to the accommodation when intervention is appropriate	16/17 and 17/18 programmes completed
4.4	Conduct Energy Sense surveys to private households on request	Completed in 16/17 Scheme ended Jan 2018

5. Work towards delivering an energy company

The council has set up a new white label energy company: Fosse Energy, in partnership with Leicestershire County Council to offer lower tariffs and renewable electricity to city and county residents.

5.1	Establish an energy supply company to offer fairer fuel tariffs to residents UPDATED ACTION: Launch the newly established energy supply company to offer fairer fuel tariffs to residents	Completed in 16/17 Launch set for 18/19
5.2	Investigate the potential for setting up a wider energy services company UPDATED ACTION 2018: Continue to investigate the potential for setting up a wider energy services company	Completed in 16/17 and 17/18 To continue in 18/19

Theme 3 – The Council

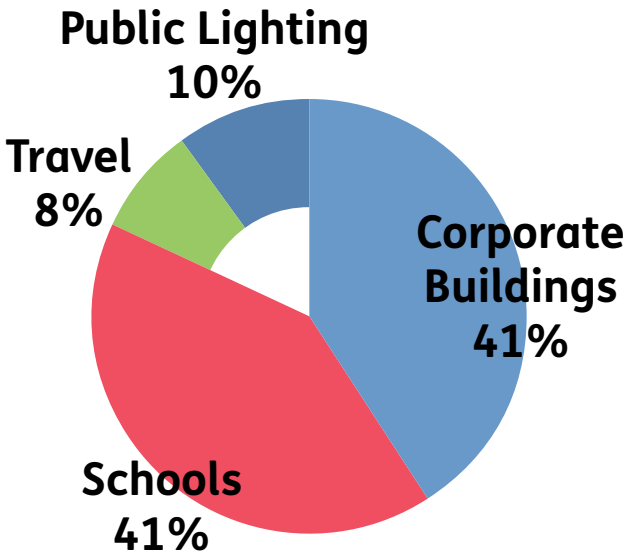
The council has a corporate target to reduce its carbon footprint by 50% by 2025 (based on 2008/09 levels). Achieving this target is also important on a city-wide scale as the council's own carbon footprint accounts for approximately 3% of city wide carbon emissions, over 1% of which is from school buildings.

If the council is to be successful in influencing others in the city to reduce their environmental impact, it should have its own strong action plan in place, setting an example within its own operations.

Priorities and key actions

6. Reduce the council's carbon footprint, maintaining the momentum for meeting the 2025 target

Since reporting began in 2008/09, the council has achieved a 37% reduction in emissions, and the 2017/18 footprint stands at 42,557 tonnes CO₂e. The council's carbon footprint consists of emissions from corporate buildings, schools, ICT, housing services, public lighting and staff travel. The main contributing factors to the council's footprint are emissions from operational buildings and ICT, and the schools building stock, therefore carbon reduction projects in these areas are most likely to have a significant saving. However, we have made excellent progress in reducing emissions from public lighting which consists of street lighting, traffic signalling, bollards, and festive lighting.



The council has a programme in place to assess progress in each of the areas within its operational carbon footprint to identify gaps and opportunities for new carbon reduction projects, such as energy efficiency improvements and renewables.

The council launched its Using Buildings Better programme which aims to make a direct contribution to reducing our overall carbon footprint, by significantly reducing the number of buildings the council maintains, as well as improving the way we deliver services to our customers.

	Action	Completion date end of
6.1	Implement energy performance contracts (or similar investment initiatives) in the council's own estate and schools to make energy savings and provide advice on operating the school building stock more efficiently	Rescheduled to 18/19
6.2	Identify and install 1MW of PV on council buildings	18/19
6.3	Invest £150,000 in upgrading the city's way lighting to LEDs, estimated to reduce energy consumption from those sites by over 60% UPDATED ACTION 2017: Invest a further £150,000 in upgrading the city's way lighting to LEDs, estimated to reduce energy consumption from those sites by over 60% UPDATED ACTION 2018: Invest a further £150,000 in upgrading the city's way lighting to LEDs	Programmes completed in 16/17 and 17/18 To continue in 18/19
6.4	Deliver and maintain a staff behavioural change campaign to deliver energy savings across the council's operational buildings	18/19
6.5	Replace 110 fleet vehicles with Ultra Low Emission Vehicles and aim to remove a total of 200 vehicles from the fleet	18/19
6.6	Produce a set of Authority's Sustainability Requirements to inform all major council construction projects	18/19
6.7	Consolidate council properties through the Using Buildings Better programme, moving services online to reduce the need for city residents to travel between facilities	18/19
6.8	Support local, national and international initiatives that mitigate climate change and demonstrate Leicester's commitment to carbon reduction and adaptation	18/19



Theme 4 – Development

Development concerns all elements of the city's carbon footprint: business, domestic and transport sectors. Leicester has an expanding population with growth pressures. The council is committed to reducing the impact of this growth by incorporating environmental measures in developments in the city. This includes both the mitigation of climate change through the implementation of carbon reduction measures during infrastructure planning, and adapting to future effects of climate change through planning and flood risk reduction measures. Implementing such measures will also provide more opportunity for growth in the low carbon sector.

Priorities and key actions

7. Improve the existing District Heating Scheme

District heating has been identified as a key way of achieving long term carbon reduction targets. New developments in the city centre are potentially suited to district heating.

The current scheme is mainly run on gas fired CHP (combined heat and power) which is more efficient than conventional methods of heat and electricity generation through a reduction in the amount of wasted heat. Carbon produced from the District Heating Scheme can be reduced further by adding renewable energy into the system.

	Action	Completion date end of
7.1	Increase the capacity of the existing Leicester District Energy Scheme by 7MW	18/19
7.2	Introduce renewable forms of energy into the Leicester District Energy Scheme in order to help decarbonise the scheme	18/19

8. Reduce the environmental impact of new development in the city

In addition to the existing District Heating Scheme there is the potential for new stand-alone CHP networks to be created, where there is the heat demand. There are further opportunities to plan for energy infrastructure improvements that will increase the resilience of the city in terms of its energy supply in the city's regeneration areas such as Waterside. In privately led developments, planning policy will encourage the implementation of environmental measures through the requirement of sustainability statements for major developments.

8.1	Promote and deliver district heating in new developments and regeneration areas where feasible	18/19
8.2	Address the feasibility of additional low carbon energy solutions within new developments and regeneration areas	18/19
8.3	Continue to provide sustainability advice to all new major developments	18/19
8.4	Increase allotment provision in the city by 6,000m ²	18/19
8.5	Reduce the number of cuts to roadside verges to provide both economic and environmental benefits	Completed in 16/17

8.6 ADDED 2017	Secure a flagship sustainable development at Western Park, ensuring that the developer meets commitments to create an energy-efficient, low carbon scheme which includes community facilities	TBC ⁴
8.7 NEW 2018	Publish a technical design guide for Sustainable Urban Drainage Schemes in new developments	18/19

9. Improve pedestrian and cycle connections, and the quality and provision of public spaces, to enhance Leicester's public realm

The Connecting Leicester⁵ programme provides opportunities to improve the quality and sustainability of the built environment. The provision of new walking and cycling routes in the city centre is expected to have an impact on travel patterns in the wider city and provide more opportunity for city residents to make healthier lifestyle choices.

9.1	Make improvements to 12 more streets in the city centre through Phase 2 of the Connecting Leicester programme, including the reconstruction of pedestrianised areas and widening of footpaths to allow joint use footway and cycleways UPDATED ACTION 2018: Continue to improve more city centre streets through Connecting Leicester. In 2018/19 we will complete King Street, Welford Road, Friar Lane, New Street, and Belgrave Gate South. We will also begin work on London Road and Belgrave Gate North	Completed 17/18
9.2	Complete Legible Leicester ⁶ and upgrade the cycling and pedestrian signage across the city centre	18/19
9.3	Seek to improve the local environment and public realm through the development of Love Leicester Community Action Plans	Rescheduled to 18/19
9.4	Maintain Green Flag ⁷ standards in the city's parks UPDATED ACTION 2017: Maintain Green Flag Awards in 3 of the city's parks UPDATED ACTION 2018: Maintain Green Flag Awards in 2 of the city's parks	Completed in 16/17 and 17/18 To continue in 18/19
9.5	Increase the amount of secure workplace, residential and city centre cycle parking	18/19

⁴ Subject to planning permission and developer's timetable for the scheme

⁵ More information on the Connecting Leicester scheme can be found at: leicester.gov.uk/your-council/city-mayor-peter-soulsby/my-vision/connecting-leicester

⁶ Legible Leicester is the development of a new way finding and mapping system in the city, to make it easier for visitors to navigate the city

⁷ Green Flag is an award given in recognition to the best managed green spaces. This is judged on a number of criteria including sustainability and community involvement.

10. Improve existing smart infrastructure in Leicester to work towards becoming a smart city

A smart city integrates infrastructure, information and communication to identify issues and deliver innovative solutions. This means smarter urban transport networks, more efficient ways to heat and power buildings, and opportunity for more interaction in the process.

Leicester City Council is already delivering a number of smart technologies in the city across a number of different sectors including the roll out of real time information, smart ticketing, and the Love Leicester app⁸. The next step is to identify where further smart solutions are needed, and work with key partners in the city to deliver this.

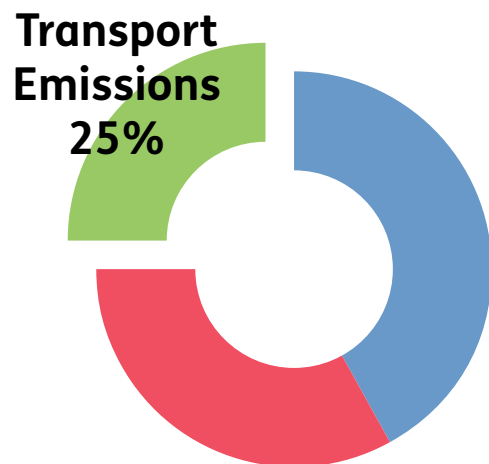
10.1	Conduct a feasibility study exploring how Leicester can develop as a smart city	Completed in 16/17
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⁸ Download the Love Leicester app to report environmental damage in your community here: love.leicester.gov.uk/reports/home

Theme 5 – Mitigation and Adaptation

Climate change mitigation refers to action to reduce carbon emissions and prevent climate change. Climate change adaptation is how we deal with the impacts of climate change that are already evident in the city and that cannot be mitigated.

Emissions from transport account for 25% of city wide emissions of carbon dioxide. Managing the transport element is a key challenge during a period of substantial urban growth in the greater Leicester area with an anticipated 45,000 extra dwellings by 2031. In addition to reducing carbon emissions, this will benefit the health and wellbeing of city residents in two ways; improving air quality and providing healthier lifestyle options.



Waste, local food production, biodiversity, and resilience currently all fall outside of the scope of the city's carbon footprint as measured by the government; however, it is equally important to target these issues when mitigating and adapting to climate change.

Priorities and key actions

11. Facilitate an increase in the take up of cleaner and more efficient vehicles to address air quality

Air pollution has a direct impact on a person's health, with close linkages to heart disease, lung cancer and respiratory issues. The council's Air Quality Action Plan⁹ aims to reduce the risk to health and quality of life in the city.

A key action in the plan is to promote the use of low emissions vehicles, which is crucial to reducing the emissions from road transport. Using low emission vehicles not only helps us to reduce CO₂ emissions, it also reduces the particulates emitted that contribute to poor air quality.

	Action	Completion date end of
11.1	Work towards having 4,700 Ultra Low Emission Vehicles registered in the city	18/19
11.2	Work with bus operators to have 100% of registered local bus services using vehicles with EURO 4 or better engines	18/19
11.3	Work towards installing 500 electric vehicle charging points in public areas across the city	18/19

⁹ Leicester's Air Quality Action Plan can be viewed at: leicester.gov.uk/your-council/policies-plans-and-strategies/environment-and-waste/air-quality

12. Increase the proportion of travel by sustainable transport modes such as cycling, walking and use of public transport

Improving the infrastructure for, and promoting sustainable transport options is key to achieving significant behavioural change in the city. A number of improvements to bus services are ongoing, with the construction of the new Haymarket Bus Station and the introduction of real time information for example and improvements for cyclists and pedestrians through the Connecting Leicester scheme are expected to influence the uptake of sustainable transport in the city.

12.1	Increase bus patronage to 27.5 million and continue to run the Bus User Panel to give passengers an opportunity to influence decisions	18/19
12.2	Increase the take up of the Park and Ride scheme through a programme of promotional activities, to reduce congestion and harmful emissions	18/19
12.3	Have 25 planning related business Travel Plans being consented each year, including for Ashton Green and Waterside residential developments	18/19
12.4	Investigate the potential for introducing a cycle hire scheme in the city	18/19
12.5	Increase the number of walking trips in the city from approximately 105,000 to 115,000	2018

13. Minimise waste and increase recycling

The waste hierarchy places emphasis on reducing, re-using and recycling in order to minimise waste being sent to landfill. As well as the waste itself, a number of implications for city wide emissions are associated with the management process, including the fuel used by its collection vehicles.

13.1	Investigate options to further maximise the diversion of materials through reuse schemes	18/19
13.2	Engage with city residents and businesses to encourage the use of Leicester's two Household Waste Recycling Centres ¹⁰	18/19
13.3	Engage with communities to promote Leicester's recycling scheme	18/19
13.4	Investigate opportunities for improving recycling facilities in public spaces	Completed 17/18
13.5	Publish a '2030 vision' for sustainable waste management	18/19
13.6 ADDED 2017	Analyse the composition of the waste and recycling collected from households in order to inform work to improve recycling performance	Completed 17/18
13.7 NEW	Launch a trial collection scheme in 2018 for small waste electrical (WEEE) items and batteries from households in selected parts of the city, with a view to expanding it city-wide in 2018 if successful	18/19

¹⁰ You can recycle a wide range of materials at your nearest Household Waste Recycling Centre: leicester.gov.uk/your-environment/recycling-and-waste/recycling-centres

14. Increase support for sustainable procurement

The council will reduce its impact on the environment, ensure high ethical standards, and will support the local economy by implementing sustainable procurement. This will provide an example of good practice for others to replicate.

14.1	Develop and launch a new initiative, working with suppliers to achieve sustainability and social value improvements through goods and services procured by the council	Rescheduled to 18/19
14.2	Further integrate Fairtrade into our procurement activity	18/19
14.3	Achieve the Silver Food for Life Catering Mark ¹¹ for City Catering, providing 79 schools in the city with healthy and ethical food with use of some local and organic ingredients	Rescheduled to 18/19

15. Protect and enhance biodiversity

The natural environmental infrastructure of the city provides a valuable role in carbon storage and climate change adaptation. This is particularly true for the city's mature tree stock which store large amounts of carbon in comparison to young saplings. Biodiversity plays a major role in providing habitats for wildlife and provides an indicator for sustainability in the city.

15.1	Increase the number of Local Wildlife Sites by 10%	18/19
15.2	Create and enhance three wildflower meadows each year	Programmes completed in 16/17 and 17/18
15.3	Designate 35 council-managed mature trees per year as Local Wildlife Sites and manage them to prolong their life and nature conservation value	18/19
15.4	Plant bulbs, 100% of which are good for pollinating insects, covering an area over 5,800m ² across the city	Completed in 16/17
15.5 ADDED 2017	Carry out 20 river clean-up sessions per year to remove litter UPDATED ACTION 2018: Carry out 40 river clean-up sessions in 2018/19	Completed 17/18 Continue in 18/19
15.6 ADDED 2017	Carry out 10 river clean-up sessions per year to remove invasive species such as Pennywort	18/19
15.7 ADDED 2017	Install 10 new bee posts in parks each year	18/19
15.8 ADDED 2017	Regenerate one existing pond each year - remove silt and invasive plants, and re-plant where necessary	18/19
15.9 ADDED 2017	Develop a Pollinating Strategy for Leicester, to safeguard pollinating insects and their associated habitats	18/19

15.10 ADDED 2017	Identify, design and deliver biodiversity enhancement projects on four designated sites (SSSI, LNRs or LWSs) each year to bring the sites into favourable status	18/19
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16. Identify and enhance green networks and water corridors across the city

Green Infrastructure can help to deliver a broad range of economic, environmental and social benefits. Pressures on green space within Leicester from population growth and housing demand are easily recognised. The council's Green Infrastructure Strategy aims to inform the Connecting Green Leicester plan, identify new Green Infrastructure provision, enhance existing green space and adapt this for multiple uses, to allow all city residents easier access to the benefits of green space.

	Prepare a green network map of the city to prioritise opportunities for green infrastructure	Completed in 16/17
16.1	UPDATED ACTION 2018: Update the green network map into the QGIS Planning system (Aurora) and fully integrate for use in identifying and prioritising opportunities for Green Infrastructure, Mitigation and Enhancements	18/19
16.2	Create and/or enhance three wetland/SuDS each year	18/19

17. Improve and adapt services to increase resilience to the expected impacts of climate change

In terms of climate change adaptation the Local Flood Risk Management Strategy¹² is now complete and a range of actions preventing flooding in the city are being developed and delivered in conjunction with partners.

17.1	Reduce the flood risk to 2,000 properties through conveyance improvements along the River Soar	2018
17.2	Continue to progress with communicating the 'Do you know your flood risk?' ¹³ campaign to raise awareness and increase preparedness of city residents to flooding	18/19
17.3 ADDED 2017	Develop, consult on, and publish Leicester's first Integrated Flood Risk Management Strategy with the Environment Agency, addressing the risk of surface water flooding as well as flooding from the River Soar and watercourses across Leicester	18/19

¹¹ The Catering Mark provides an independent endorsement that food providers are taking steps to improve the food they serve, including the sustainability of their ingredients.

¹² The Local Flood Risk Management Strategy can be viewed at: publications.leicester.gov.uk/lfrms

¹³ Find out more about your flood risk at: leicester.gov.uk/your-environment/flooding-and-severe-weather

Theme 6 – People

Raising awareness of environmental issues is key to encouraging Leicester residents to adopt a low carbon lifestyle and contribute to becoming a more sustainable city. Travel, improving the energy efficiency of homes, waste, education, valuing the environmental realm, local food growing and other activities, are all actions that involve city residents and only by working together will we make the city truly sustainable.

Living sustainably and living healthily are inseparable. Most changes, which are good for the environment, are good for health. Good examples of this are improving local air quality, encouraging more physically active travel and supporting sustainable living and working conditions.

Priorities and key actions

18. Increase action taken by city residents in support of the Sustainable Leicester priorities

The adoption of the priorities set out in the plan by Leicester City Council will need to be supported by city residents in order to be effective. To maximise the number of residents making sustainable lifestyle choices, it is necessary to inform them of the multiple benefits; including the potential financial savings and improvements to health. A number of engagement activities have been developed to encourage city wide participation in the sustainability agenda.

	Action	Completion date end of
18.1	Register 100 more members to LeicesterShare ¹⁴ to reduce the number of single occupancy vehicles UPDATED ACTION: Register 100 more members per year to LeicesterShare to reduce the number of single occupancy vehicles	Completed in 16/17 and 17/18 To continue in 18/19
18.2	Provide cycle training to 850 adults per annum	2018
18.3	Have 240 people participate in the Get Walking Keep Walking ¹⁵ Programme UPDATED ACTION: Have 120 people participate in the Get Walking Keep Walking Programme each year	Completed in 16/17 and 17/18 To continue in 18/19
18.4	Have 25,000 members of the public take part in the Ride Leicester ¹⁶ festival	18/19
18.5	Achieve 60,000 hours of volunteer work in parks and green spaces across the city, involving 9,000 volunteers ¹⁷ UPDATED ACTION: Achieve 65,000 hours of volunteer work in parks and green spaces across the city in 2018/19, involving 9,000 volunteers	Programme completed in 17/18 18/19

¹⁴ Sign up to LeicesterShare car sharing scheme at: leicestershare.liftshare.com

¹⁵ Find out more about Get Walking Keep Walking at: leicester.gov.uk/transport-and-streets/walking-in-leicester/community-walking-project

¹⁶ To find out more about cycling events in Leicester visit: <https://www.letsride.co.uk/>

¹⁷ To volunteer in Leicester's parks visit: leicester.gov.uk/leisure-and-culture/parks-and-open-spaces/contribute-and-get-involved/volunteering-in-our-parks

18.6	Continue to provide a collective energy switching service to target fuel poverty	Ended 17/18
18.7	Encourage city residents to participate in national environment days	18/19
18.8	Revise the Food Plan to help tackle food poverty and health challenges in the city	Rescheduled to 18/19

19. Enhance environmental education across the city

Leicester City Council supports environmental education in schools to ensure that young people in Leicester have an increasing knowledge of environmental issues and the ability to act on it. To have a real impact on influencing the next generation it will be necessary to take an approach that involves the whole school community.

The council also provides opportunities for city residents to learn more about how they can reduce their environmental impact, recognising that lack of knowledge can be a barrier in encouraging residents to act on climate change.

19.1	<p>Have 90 of Leicester's schools registered with the Eco-Schools¹⁸ programme</p> <p>UPDATED ACTION 2017: Have over 100 of Leicester's schools registered with the Eco-Schools programme and 20 schools awarded or renew the Eco-School Green Flag Award by the end of 2017/18</p> <p>UPDATED ACTION 2018: Have 110 of Leicester's schools registered on the Eco-Schools programme and 50 schools awarded or renew the Eco-School Green Flag Award by the end of 2018/19</p>	<p>Completed in 16/17 and 17/18*</p> <p>To continue in 18/19*</p>
19.2	<p>Host the annual events programme for Eco-Schools</p> <p>UPDATED ACTION 2018: Host the annual events programme for Eco-Schools including the roadshow and celebration event</p>	<p>Completed in 16/17 and 17/18*</p> <p>To continue in 18/19*</p>
19.3	<p>Have 30 more schools enrolled on to The Soil Association's Food for Life¹⁹ programme, offered to infant, primary, secondary and special schools, bringing the total to 70</p> <p>UPDATED ACTION 2017: Support 5 more schools to apply for the Food for Life Bronze Award by March 2018</p> <p>UPDATED ACTION 2018: Have a total of 80 schools enrolled onto the Food for Life programme, with 35 schools achieving the Bronze Award and 3 schools achieving the Silver Award by March 2019</p>	<p>Completed in 16/17 and 17/18*</p> <p>To continue in 18/19*</p>
19.4	Increase the offer of Bikeability Cycle Training to 80% of year 6 primary school pupils by 2018	2018

*Completion dates for actions 19.1, 19.2 and 19.3 refer to the academic year

¹⁸ More information on the Eco-Schools scheme can be found at: eco-schools.org.uk

¹⁹ More information about what the Food for Life programme entails can be found at: foodforlife.org.uk/schools/criteria-and-guidance

19.5	Involve 50 children from local schools in at least one wildlife event each year	Completed in 16/17 To continue in 17/18
19.6	Use social media campaigns to engage with our stakeholders on climate change	18/19
19.7 ADDED 2017	Launch a new schools travel award during 2017/18 that recognises and rewards the work that schools are doing to improve air quality and reduce parking issues UPDATED ACTION 2018: Launch the Healthier Air for Leicester Schools Education Module and have at least 20 schools achieve the Healthier Air for Leicester Schools Award, which rewards schools for improving air quality and reducing parking issues	Completed 17/18 To continue in 18/19
19.8 NEW 2018	At least 30 schools will participate in the Litter Less Campaign during March 2019	18/19

Monitoring Progress

The Sustainability Action Plan sets out an ambitious set of actions demonstrating how the council plans to mitigate and reduce its environmental impact in the city and ensure that the delivery of its services will be sustainable in the future. The council is committed to achieving the goals set out in the plan and progress is overseen by the Deputy City Mayor with responsibility for Environment, Public Health and Health Integration, based on regular six-monthly reports.

The plan is part of a wider approach to dealing with environmental issues, which also includes high environmental standards and good practices for day-to-day activities and service delivery.



Summary of Ambitions

Ambition 1 - Halve city wide carbon dioxide emissions by 2025

The council has set an ambitious target to reduce emissions in the city by 50% by 2025, based on a 1990 baseline of 2388.3kt CO₂. The most recent city-wide emissions for 2016, published by DBEIS in June 2018²⁰ stand at 1,343.8kt CO₂; requiring a further saving over the next 7 years of 149.65kt CO₂.

Ambition 2 - Halve the city council's carbon footprint by 2025

The council plans to lead by example in reducing its own greenhouse gas emissions by 50% by 2025, based on 2008/09 levels when reporting first began. The current footprint for 2017/18 stands at 43,578t CO₂e, requiring a further saving of 9,712t CO₂e by 2025.

Ambition 3 - Improve air quality to meet EU target levels

Like many other UK cities, Leicester currently exceeds the EU threshold level of 40µg/m³ for nitrogen dioxide in many areas, primarily along routes in and out of the city centre that experience high levels of traffic. Modelling by DEFRA has indicated that air quality in Leicester may reach the EU threshold level by 2020 through introducing lower emission vehicle technology.

Ambition 4 - Double every day cycling numbers by 2018 then again by 2024

The council has committed to achieving an increase in cycling numbers by 100% by 2018, raising cycling figures to 26,000. By 2024 the council have committed to achieving the same again. This will be achieved through improvements detailed in the council's Cycle City Action Plan, including; improvements to cycling corridors and improved links across the city, public cycling schemes, implementation of cycling hubs at all transport interchanges.

Ambition 5 - Engage with more individuals, households, schools and employers each year in order to improve environmental awareness

Leicester City Council has a number of ongoing engagement projects across the city, spanning a wide range of environmental issues, including; energy efficiency, air quality, waste and recycling, biodiversity, and education. The council recognises that engaging with city residents is critical to meeting its overarching environmental targets and will endeavour to increase engagement activities each consecutive year.

Ambition 6 - Protect and enhance open space and improve connectivity to wildlife areas

Leicester's Green Infrastructure Strategy will map the current status of green sites across the city. This will be used as an evidence base to create or enhance green networks throughout Leicester which will improve connections to our wildlife sites to benefit both biodiversity and people. Regular monitoring of the number of networks and amount of green space will show how many spaces have been created.

²⁰ Government carbon dioxide emission statistics for local authority areas can be found at: <https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-2016>

Glossary

Biodiversity

The variety of species within a particular type of ecosystem. In terms of biodiversity in Leicester, the council aims to conserve and enhance a range of species that characterise the city.

CHP - combined heat and power

Where conventional power stations deliberately 'waste' heat by cooling towers, a CHP unit will generate electricity whilst then using the heat produced for central heating and domestic hot water. In Leicester, CHP feeds in to the district heating scheme in order to increase efficiency.

Climate change adaptation

Action that seeks to reduce the vulnerability to current and expected impacts of climate change. This includes increasing our resilience to flooding, drought, and other extreme weather events.

Climate change mitigation

Action taken to prevent the release of greenhouse gases into the atmosphere in order to avoid a change in climate.

District heating

Leicester's District Heating Scheme comprises underground insulated pipes carrying hot water to a number of buildings from a boiler house in order to deliver heat.

Energy Performance Certificate

These are ratings given to properties to present their energy efficiency on a scale from A - very energy efficient, to G - not energy efficient.

Fairtrade

Fairtrade certified produce meets a set of social, economic and environmental standards set out by the Fairtrade Foundation²¹ to ensure better prices, decent working conditions and fair terms of trade for farmers and workers.

Green infrastructure

Networks of multifunctional green space that use vegetation, soils, and natural processes to manage water and create healthier urban environments. This contributes to a higher quality natural and built environment, and helps to deliver sustainable communities.

Nitrogen Dioxide (NO₂)

A pollutant formed in the atmosphere from road traffic, in particular diesel engines. This contributes to poor air quality in Leicester and can have a damaging effect on health and the environment. Air pollution occurs when the amount of pollutant in the air exceeds the recommended levels.

²¹ More information about the Fairtrade Foundation can be found at:
[fairtrade.org.uk/en/what-is-fairtrade/what-fairtrade-does](https://www.fairtrade.org.uk/en/what-is-fairtrade/what-fairtrade-does)

Procurement

This is the action of buying goods or services. Leicester City Council has a procurement team responsible for this and it is important that this process is done sustainably by taking into consideration the environmental, social and economic impact of any decisions.

PV (Photovoltaic)

Photovoltaic panels are a type of renewable energy that convert solar energy into electricity which can then be used to power buildings.

Real time information

In terms of Leicester's bus services, real time information is the ability to access live timings for when buses are due to arrive at specific bus stops. This would let a passenger know exactly what time to expect their bus, and if there are any delays.

Resilience

In terms of climate change, resilience is the ability of the city, a community or an individual to prepare for and manage when faced with the consequences of existing climate change, for example a severe weather event.

Retrofit

Whereas some projects within the council may involve replacing old technology completely, a retrofit is the process of upgrading an existing item with an updated feature without having to replace the entire product. Leicester's traffic signalling retrofit will involve current traffic signals to have their bulbs and controller replaced with higher efficiency LED lights, without replacing the body of the signal.

SAP rating

SAP or Standard Assessment Procedure, is a national measure used to assess and compare the energy and environmental performance of housing. The assessment uses assumptions for occupancy and behaviour to provide a like for like comparison between housing.

Waste hierarchy

This demonstrates the order of preference for the disposal of waste.

The more the actions at the top are prioritised, the less waste is sent to landfill.

