



Climate Change and Sustainability Strategy

Lewes District Council

- Carbon Emissions Report
- Strategy Update



November 2021

Lewes District Council Climate Change & Sustainability Update

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1. Introduction

This update report on the progress of the climate change and sustainability strategy adopted earlier this year in February provides an overview of how work has progressed on the initial action plan and how this work has evolved over the last year. It provides an update to the policy context within which we are working as Central Government catch up on their strategy commitments post-Covid, and a brief summary of the key findings of the 'Working Group I' contribution to the IPCC's 6th assessment report on the physical science basis of climate change.

This update report is being published in November which coincides with the UN Climate Summit, COP26, being hosted in Glasgow.

The council provides a summary emission report for the years 2019/20 and 2020/21 along with a progress summary against the baseline year 2018/19. Scope 3 emissions data is being gathered and work continues to improve the amount and quality of the data collected to enable the council to manage and reduce those emissions for which we are responsible.

The districts emissions are reported although the ability to compare against the Anthesis baseline of 2017 is limited due to methodology changes. As such publicly available data produced by BEIS on an annual basis is also reported for the first time. Data will of course never be 100% accurate but the trends and main areas of emissions can still be monitored and targeted.

There are no changes as far as the action areas are concerned. The main sources of emissions reported in the baseline remain as such.

Partnership working remains key to the success of any local authority's climate change and carbon reduction ambitions and this is no different for Lewes District Council. Working with our partners such as: the Greater Brighton Economic Board; the Sussex Local Nature Partnership; the South Downs National Park and the Universities of Brighton and Sussex; as well as our neighbouring local authorities and community groups such as Seaford Environmental Alliance, Ouse Valley CARES and Lewes Climate Hub, we have progressed regional and local projects regarding: the use of hydrogen as a fuel through Hydrogen Sussex; the decarbonisation of social housing; the retrofitting and decarbonisation of private sector housing; the potential use of community investment; the community wealth agenda; enabled funding bids by others; produced a regular sustainability email bulletin for residents; enabled the Climate Action Forum; nature based solutions for carbon capture; grant funded local projects and provided spaces for groups to have a physical presence, amongst many other things that are detailed within the update to the Strategic Action Areas and the Action Plan Update.

1.1 Update to the national policy context

The Environment Bill

This bill is key to the implementation of legally binding targets for environmental improvement and initiatives such as reversing wildlife decline, animal re-introduction, tree planting, and deposit return schemes. It remains in progress as the Government consider the Lords proposed amendments.

Energy White Paper

Published in December 2020 this paper sets challenging ambitions for enabling net zero energy by 2050 and what it will mean for consumers and businesses.

Future Homes Standard

In January the government published their response to the future homes standard consultation. It outlines what changes will be made to building regulations to improve the energy efficiency of new homes and the pace that these changes will occur. The standard intends to ensure that all new homes built from 2025 will produce 75 -80% less carbon emissions than homes delivered under current regulations and that these homes will no longer be reliant on fossil fuels requiring no future refurbishment to reach zero carbon status.

Bus Back Better

This strategy was published in March 2021 and sets out the vision and opportunity to deliver better bus services across England. contained within it is a requirement for the local transport authority, East Sussex County Council, to publish a local Bus Service Improvement Plan.

Decarbonising Transport - a better greener Britain

Published in July this strategy commits the government to, amongst other things, decarbonising all forms of transport, decarbonising the freight and logistics sector and maximising the benefits of low carbon fuels.

UK Hydrogen Strategy

This policy paper published in August sets the approach the government is taking to developing the low carbon hydrogen sector to meet the UK ambition of 5GW low carbon hydrogen production capacity by 2030.

Net Zero Strategy: Build Back Greener Including The Heat and Buildings Strategy

The Net Zero Strategy sets out a variety of policy and proposals to achieve net zero by 2050 and was published in October 2021. It is currently under review by the Council to determine its likely impacts on our own net zero actions and targets.

Included within this suite of documents is the Heat and Buildings Strategy which sets out how the UK will decarbonise our homes, and our commercial, industrial and public sector buildings by 2050.

1.2 Evidence base update

Two new bodies of evidence have been released this year.

The first is that of the UK's Climate Change Committee's [independent advice report](#) produced as part of their 5 year Climate Change Risk Assessment (CCRA3) and the second is that of the IPCC Working Group I report on the physical science underpinning past present and future climate change '[AR6 Climate Change 2021: The Physical Science Basis](#)' .

UK Climate Change Risk Assessment (CCRA3)

The Independent Assessment used to help inform the third UK Climate Change Risk Assessment (CCRA3) assesses 61 risks and opportunities from climate change to England, including to business, infrastructure, housing, the natural environment, our health and risks from the impacts of climate change internationally.

Of these 61 risks and opportunities, more action is needed in England now to address 34 of them, with sustaining current action only deemed appropriate in four cases. Of the 61, six issues are deemed to be both a risk and opportunity, four of which are associated with the natural environment and each of these require more action or further investigation. There are also eight opportunities that could arise from climate change in England, with half of these also related to the natural environment.

In total, 23 risks from climate change in England have increased in urgency score since the previous CCRA five years ago.

Only one risk has decreased in urgency score since the previous CCRA. There are also some new risks that were not covered in CCRA2. When compared to the other UK nations, there is increasing evidence that risks from extreme heat are greater in England than elsewhere, especially in the south-east, affecting health, infrastructure and the natural environment. The potential for water scarcity and subsidence also appears to be a greater issue here, again with south-east England being at greatest risk. Flooding (coastal and inland), storms, lightning and high winds also play their part in the present and future climate related risks across the whole of England. In summary, risks in England that have a high future magnitude score and where more action is required now to address them, after considering any existing adaptation responses, include the following:

- The impacts of climate change on the natural environment, including terrestrial, freshwater, coastal and marine species, forests and agriculture.
- An increase in the range, quantities and consequences of pests, pathogens and invasive species, negatively affecting terrestrial, freshwater and marine priority habitats species, forestry and agriculture.
- The risk of climate change impacts, especially more frequent flooding and coastal erosion, causing damage to our infrastructure services, including energy, transport, water and Information and Communication Technologies (ICT).

- A reduction in public water supplies due to increasing periods of water scarcity.
- The impact of extreme temperatures, high winds and lightning on the transport network.
- The impact of increasing high temperatures on people's health and wellbeing and changes in household energy demand due to seasonal temperature changes.
- Increased severity and frequency of flooding of homes, communities and businesses.
- The viability of coastal communities and the impact on coastal businesses due to sea level rise, coastal flooding and erosion.
- Disruption to the delivery of health and social care services due to a greater frequency of extreme weather.
- Damage to our cultural heritage assets as a result of temperature, precipitation, groundwater and landscape changes.
- Impacts internationally that may affect the UK, such as risks to food availability, safety and security, risks to international law and governance from climate change that will affect the UK, international trade routes, public health and the multiplication of risks across systems and geographies.

IPPC AR6: The Physical Science Basis

The Intergovernmental panel on climate change (IPCC) is now in its sixth assessment cycle in which the IPCC is producing the 6th Assessment Report (AR6) due for release in 2022. The synthesis report will frame and assess the historical, current and future of climate change science globally and is contributed to by the IPCC 3 Working Groups.

The IPCC Working Group I (WGI) examines the physical science underpinning past present and future climate change and their report published in August '[AR6 Climate Change 2021: The Physical Science Basis](#)' underpins the remaining two working groups reports for the AR6 Synthesis Report. The WGI assessment provides scientific information relevant for the global community to meet the challenge of climate change. As well as the global scale, WGI looks at variability and change that is happening at a regional level which is closely tied to how impacts and risks to human and natural systems are changing overtime.

This report supports the fundamental reasons why the climate change and sustainability strategy within Lewes district and beyond is so important at a global scale By bringing together the latest advances in climate science and combining multiple lines of evidence from paleoclimate, observations, process understanding, and global and regional climate simulations .

Key findings of the WGI include (but not limited to):

- It is unequivocal that human influence has warmed the atmosphere ocean and land. Widespread and rapid changes in the atmosphere, ocean, cryosphere and biosphere have occurred.
- The scale of recent changes across the climate system as a whole and the present state of many aspects of the climate system are unprecedented over many centuries too many thousands of years
- Human induced climate change is already affecting many weather and climate extremes in every region across the globe. Evidence of observed changes in extremes such as heat waves, heavy precipitation, droughts, and tropical cyclones, and, in particular, their attribution to human influence, has strengthened since the 5th Assessment Report.
- Global surface temperature will continue to increase until at least the mid-century under all emissions scenarios considered. Global warming of 1.5 degrees C and two degrees C will be exceeded during the 21st century unless deep reductions and carbon dioxide and other greenhouse gas emissions occur in the coming decades.
- Many changes in the climate system become larger in direct relation to increasing global warming.
- Continued global warming is projected to further intensify the global water cycle including its variability and the severity of wet and dry events
- Many changes due to past and future greenhouse gas emissions are irreversible for centuries to millennia, especially changes in the ocean, ice sheets and global sea level.
- With further global warming, every region is projected to increasingly experience concurrent and multiple changes in climatic impact drivers. Changes in several climatic impact drivers would be more widespread at 2 degrees C compared to 1.5 degrees C global warming and even more widespread and or pronounced for higher warming levels.
- Low likelihood outcomes, such as ice sheet collapse, abrupt ocean circulation changes, some compound extreme events and warming substantially larger than the assessed *very likely* range of future warming cannot be ruled out.
- From a physical science perspective, limiting human induced global warming to a specific level requires limiting cumulative CO₂ emissions, reaching at least net zero CO₂ emissions, along with strong reductions in other greenhouse gas emissions.

2. Lewes District Council Carbon Emissions Report

This report provides a summary of the carbon report for the financial years 2019/20 and 2020/21 along with a comparison of these years with the baseline 2018/19

2.1 Methodology

We have calculated the baseline using the Greenhouse Gas (GHG) Protocol methodology and the appropriate annual conversion factors for each year issued by the Department for Business, Energy and Industrial (BEIS). By using this method and these figures we are ensuring that the baseline emissions we measure can be reported accurately every year to 2030 using a peer reviewed and agreed process.

Lewes District Council generally uses the 'operational control' approach to define the organisational boundary and to inform the emissions inventory boundary described in the table below.

It should be noted however that with regards to metered gas and electricity, all sites, regardless of who operates the site, are considered to be in scope 1 or 2 if the council is responsible for paying the bills (even if these costs are re-charged to the leasee) AND for maintaining the premises. Where these conditions are not met the sites will sit within scope 3, for example Wave Leisure facilities.

Scope 1 and 2 emissions form the organisational baseline and are considered to be directly controllable by the Council.

Category	Description	Data used in this analysis
Scope 1	Direct emissions from sources owned or controlled by Lewes District Council	Metered gas data (for buildings where the Council pay the gas bills) Litres of fuel consumed for fleet vehicles
Scope 2	Indirect emissions from the generation of energy purchased by Lewes District Council	Metered electricity data (for buildings where the Council pay the electricity bills)
Scope 3	Indirect emissions that result from other activities that occur in the value chain, either upstream or downstream.	As per table 3.

2.2 Data summary & review

April 2018 to March 2021

From 2018/19 to 2020/21 the Council's scope 1 & 2 emissions have reduced by just under 15% in total. See table 1.

There has been a **11.4% reduction in fleet emissions** - there has been a very small reduction in emissions from the diesel so our reduction is largely down to reduced consumption. It is possible that to some degree reduced consumption was possible due to the lack of traffic during COVID lockdown periods enabling a more fuel efficient service.

There has been an **increase** in our emissions from natural gas consumption of just over 6%. This increase has occurred in our housing supplies. The greatest increase occurred in the 2019/20 year and a slight reduction occurred in 2020/21 though consumption remains higher than the baseline year by 18%. This may be due to both the weather and impacts of COVID-19 with more people staying at home more of the time.

Operational building gas consumption has fallen by nearly 30%. This is most likely due to reduced use of buildings and operational control improvements. The Council has made no substantial change to heating systems of operational buildings.

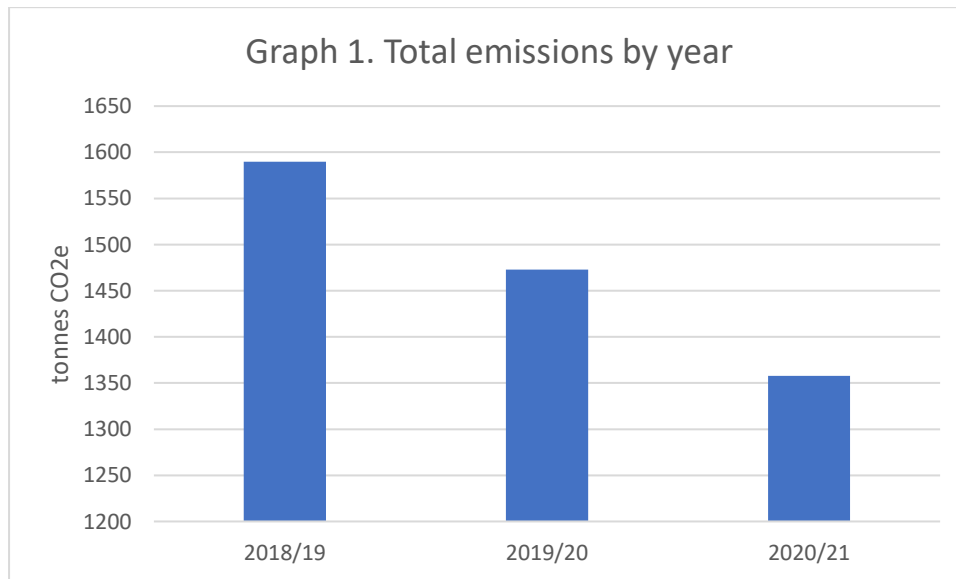
The bulk of our emissions savings have been made through the move to a verified green electricity tariff. This is a REGO backed tariff and the Council can claim it as zero carbon. We still account for transmission and distribution losses as scope 3 emissions. The Council moved onto the new green tariff on 1st October 2020.

Our electricity emissions reduction on the base year is 43%. It should be noted that our electricity consumption has not reduced by anywhere near this amount. As such it remains key to reduce our consumption through energy efficiency measures. See table 2.

If we were to have remained on a brown/standard grid electricity tariff our emissions would have reduced by 25%- this reduction would have been down to a reduction in the carbon intensity of grid electricity due to less coal use and more renewable capacity within the system as a whole.

Table 1. Lewes District Council emissions table

<i>Source of emissions by work area</i>	<i>tonnes CO₂e</i>		
	2018/19	2019/20	2020/21
Housing and associated supplies	522	526.3	450.4
Corporate & Operational Buildings	162	125.6	101.2
Fleet vehicles	870.9	790.7	770.79
Other (EVCP & Public facilities, other business)	34.9	36.3	35.3
Total	1590	1478.9	1357.7



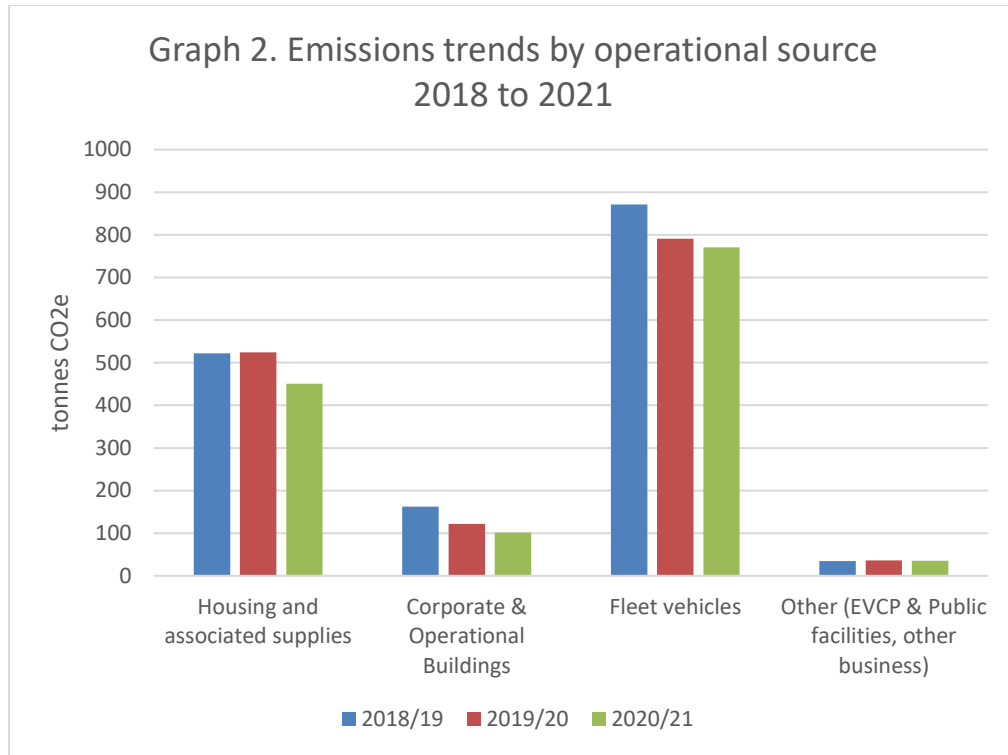


Table 2. Consumption vs emissions trends

	% change in consumption	% change in emissions
Gas	6% increase	6% increase
Diesel	9% decrease	12% decrease
Electricity	9% decrease	43% decrease

2.3 Scope 3 emissions

The Council continues to expand upon its Scope 3 emissions reporting. We hoped we may have been able to provide an indication of some emissions based on contract spend however due to being a shared service with Eastbourne Borough Council this is proving more challenging than previously expected. Even if we did report through this method we would not be able to show any change in emissions through improved specification so reporting of this type has limited benefit.

The council acknowledges that our greatest source of emissions will be from our purchasing and contracting and continues to improve reporting methods as contracts renew.

The Council has recently signed a new lease for a Café at The Sidings in Newhaven, this contract includes a requirement to provide annual utilities consumption figures. We hope to include similar clauses in more contracts moving forward.

The Council expects Wave Leisure consumption figures to rise back towards pre-COVID levels in the next reporting cycle, reductions are due to the closures experienced in 2020/21.

Table 4. Scope 3 emissions

tonnes CO2e	Data source	2018/19	2019/20	2020/21
Electricity Transmission & Distribution losses	Utilities consumption information	30.52	25.54	23.42
Water use	Direct from utility company	N/A	13.9	19.5
Wave Leisure	Direct from consumption information (water, gas & elec)	953.5	945	365.5
Councillors- Public Transport	Payment based estimate using average 31.8p per mile			0.14
Councillor- Mileage	Calculated using miles claimed and an average petrol car			0.42
Staff- Public transport	Estimated based on spend using a cost of 31.8p per mile			0.25
Staff- Mileage	Calculated using miles claimed and an average petrol car			27.98
Well to Tank (WTT) diesel fuel emissions	Based on actual consumption			185.3
Well to tank natural gas	Utilities consumption information			56.51
Total		984t	984t	679t

3. Lewes District Carbon Emissions Summary

This section summarises the data available for the entire districts carbon emissions.

It needs to be noted that this information is not directly comparable with the district baseline produced by Anthesis in 2020 due to variations in calculation methodology and we are unable to exactly reproduce this method ourselves. Therefore we report available information from the Scatter tool (also produced though collaboration by the same consultants Anthesis, Nottingham City Council, the Tyndall Centre and the Greater Manchester Combined Authority with funding from BEIS) for 2017 and compare this with the BEIS data available for local authority areas.

Please take care reading these figures as the BEIS figures are in CO₂ (carbon dioxide) only and the others are in CO₂e (carbon dioxide equivalents, which includes other greenhouse gases in addition to carbon dioxide).

Scatter is the only method to count scope 3 indirect emissions – this is the reason for the size of the variation between the figures.

Data Source	2017	2018	2019
Anthesis District Baseline	458 kt CO ₂ e	N/A	N/A
Scatter Cities methodology	534 kt CO ₂ e	527.2 kt CO ₂ e	N/A
BEIS data- UK local authority and regional CO2 emissions – data tables (excel) 'territorial emissions'	391 kt CO ₂	384.7 kt CO ₂	370.6 kt CO ₂

4. The Climate Change and Sustainability Strategy -Strategic Action Areas Update

Summary of progress

The strategy currently contains 91 number of actions across 7 action areas, of which 76 are active or completed. A summary of work to date is below- please see the full spreadsheet in Appendix 1 for more information of actions within each area.

61% of all actions are currently reported as green (including completions), 34% are amber and 5% (4 actions) are red.

Energy & the built environment

- The bulk of work it within this action area has focused on our social housing, the allocation of government grant funding through the local authority delivery aspect of the green homes grant scheme, and the facilitation of a community energy solar project.
- With regards to our social housing stock we have completed the stock condition surveys and are currently analysing the data with our consultants. The council is continuing to progress the Decarbonising Our Housing Stock (DOHS) project by working with the Greater Brighton Economic Board, other local authority partners and universities. Feasibility studies for a pilot project are being undertaken and options for grant funding are being reviewed.
- We have also reviewed the tenants experience of having solar panels on their properties, produced an air source heat pump user guide and been promoting various environmental activities through tenant publications and events.

Project Spotlight – Homes First Tenant Engagement project

'Not Costing the Earth' A new campaign and brand to share information with tenants around carbon reducing behaviours has been designed and launched



Working together to reduce our carbon footprint

Sustainable Travel and air quality

- This action area benefits from an active community base to help both gain grant funding and utilise grants and information/reports that the Council can provide. In the past year grants have been provided to Cycle Lewes for the provision of bicycle security marking and registering at community events, bicycle owners also learned about keeping their bikes safe to reduce theft and the marking can help get stolen bikes returned. By encouraging cycling and cyclists, these grants have contributed to the wider benefits of the sustainability strategy.
- The council has moved a step forward towards procurement of an electric vehicle charge point provider and it is hoped this contract will be in place Autumn/Winter 2021.
- This theme area struggled during 2021 due to issues over staffing, thankfully these issues have now been resolved and once statutory responsibilities have been met the council hopes to further progress sustainable travel and air quality actions in the next year

Project Spotlight- E-Cargo Bike grant

The Council has gained a Government grant of more than £102,000 from the Department for Transport eCargo Bike fund to help set up a scheme in Newhaven and Lewes town. The project is currently being developed to utilise space in Newhaven and within Lewes town for the set-up of a social enterprise service targeting local businesses and community enterprise. The bikes would provide a base of operations and opportunities for a carbon free last-mile delivery service.



Biodiversity

- The past few months has seen the adoption of a biodiversity strategy and the incorporation of these actions within the climate change and sustainability strategy action plan.
- A biodiversity net gain technical note has also been adopted.
- Council land holdings have been reviewed and are in the process of being assessed for possible biodiversity, food and nature-based climate solutions. There have been various sites where pollinators have been encouraged through planting and reduced mowing, including Lewes Cemetery.

Project Spotlight- GIS Mapping Project- Site Suitability Analysis of Opportunities for Woodland Establishment

The overall aim is to provide a GIS resource that allows potential tree planting areas to be identified by members organisations of the Sussex Local Nature Partnership. This initial project for Lewes District involved a University of Brighton Masters student determining the appropriate map layers that could be used, identifying constraint areas and then assessing the opportunity areas for suitability. This project is now being extended to cover more of the region.



Agriculture & food

- The council is working with the local Food Partnership coordinator to help create a district food partnership and possible future strategy.
- The council is continuing to assess it's landholdings for potential community gardens and the Homes First Community development and sustainability specialist is working with councillors and community groups on potential joint projects.
- A community food growing policy has been developed along with internal procedures which together will provide a framework to enable future projects to progress more easily.

Reducing emissions from waste

- Council communications to increase recycling have continued to be a corporate priority. The reduce reuse recycle email bulletin has been well received by members and residents and this has been supplemented by similar themes contained within the climate action email bulletin.
- Digital democracy has progressed seeing the launch of the ModernGov app and councillors can now opt out of receiving physical papers for meetings.
- Lower carbon waste collection vehicles are being trialled and alternative fuels are being evaluated in order to provide a pathway to decarbonisation.

Project Spotlight- Live intelligence system reduces contamination

The use of Whitespace software is providing waste collection operatives with the ability to provide live intelligence to the Councils Customer First Team regarding contamination in the residual waste stream, for example waste engine oil, this allows the resident to be contacted as soon as possible about where the item/s should be appropriately recycled. This work actively reduces waste and provides a signposting service to residents to improve recycling rates.



Water

- The Sussex flow initiative project is being expanded and now several carbon storage and wetland projects are being investigated across the district.
- With regards to water consumption the emerging new local plan will engage with service providers to ensure that areas of water infrastructure deficiency are addressed, there is a sustainability technical advice note (TAN) available and planning advice needs to gradually strengthen to reduce water consumption requirements further.
- The council has begun to report the carbon emissions from its operational water consumption, this is reported under scope 3 emissions.

Circular Economy & community wealth

- A community wealth building strategy based upon on the report 'Reimagining Lewes District' carried out by the Centre for Local Economic Strategies (CLES) In 2020 was adopted last July. This is a major step forward in the progression of community wealth priorities at the council to enable: the progressive procurement of goods and services; fair employment and a just labour market; socially productive use of land and assets; made financial power work for local places; and plural ownership of the economy.
- In order to enable progression on the above strategy, the council applied for and gained funding from the LGA from the Net Zero Innovation Programme to investigate alternative financing of projects to tackle the climate emergency. the work carried out with our partners the University of Sussex has put in place the foundations of potentially raising a community municipal bond - the work is currently continuing but Lewes District Council has pledged as part of the Green Finance Institutes Local Climate Bond campaign to investigate and explore launching a 'green bond' in the next 18 months.

Project Spotlight: Citizens & Climate, Crowdfunding for Net Zero

This project conducted with the University of Sussex has resulted in the document 'Citizens & Climate- Crowdfunding for Net Zero' which will be published on the Council website and explains how the Council has worked through the initial process of how it could bring a green bond to the local community and how it could be used to fund sustainability initiatives. There is still work to do but the Council has pledged to complete this exploration within the next 18 months.



5. Strategy action plan update and sustainability indicators

The Action Plan 2021

TIMEFRAMES

Short	2021-2022
Medium	2023-2026
Long	2027-2030

Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME	RESOURCES	Date for completion	Annual Update November 2021	Status
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1. Energy & the built environment

Lead Officers- Kate Richardson & Nick Adlam

Actions by the council to enable the District to become net zero carbon by 2030

E1	Complete social housing stock condition surveys	Provides baseline information to enable retrofit and long term planning	Director of Planning and Regeneration & Cabinet Member for Housing	Jul-21			Can be delivered using existing resources	Jul-21	Stock condition surveys have been completed and the data is being worked through with consultants. COMPLETED	green
E2	Develop the pilot project plan for the 'Decarbonising Our Housing Stock (DOHS)' project in conjunction with other stock holding authorities *January 2021- leaders meeting to establish extent of initial collaboration *Procurement routes to be established 2021 *Determine initial pilot projects 2021	Best value is achieved through collaborative working, best solutions are determined and method is agreed to deploy retrofit measures, initially as pilots with a plan developed for roll out of appropriate solutions across the portfolio	Director of Planning and Regeneration & Cabinet Members for Housing, Communities & Customers and Sustainability	Short Term			£500k allocated from HRA	Mar-22	GBEB have agreed in principle to set up a taskforce and be involved in analysing the housing decarbonisation problem and determining a solution. LDC will continue to develop proposals outside of this as well. Feasibilities for a pilot project are being undertaken and options for grant funding are being reviewed for delivery by March 2022	green
E3	Develop and deliver the project plan (and long-term housing asset management plan) to decarbonise all social housing based on findings and experience of the DOHS project (action E3)	All social housing is as energy efficient as it can be and carbon emissions are reduced as far as practicably possible	Director of Planning and Regeneration & Cabinet Members for Housing and Sustainability		Medium Term	Long Term	Delivery costs to be determined once plan is prepared	Plan produced by March 2023	Housing Asset Management Plan due 2022/23- zero carbon pathway project with University of Brighton will not be complete until July 2022 - this work will underpin the AMS	green
E4	Implement the actions defined in the Lewes Housing Strategy TBA	Housing standards in the rented sector improve	Director of Planning and Regeneration & Cabinet Member for Housing		Medium Term		Can be delivered using existing resources	TBA	Housing Strategy needs to be developed. Currently observing Hasting Minimum Energy Efficiency Standards pilot. Funding and staffing will need to be provided if a similar scheme is to be implemented in Lewes district. LAD2 & 3 is available for private sector landlords to participate in though uptake is likely to be low as landlord contribution is required.	amber
E5	Explore opportunities with Southern Water on capturing and using heat from waste water	Low carbon heat source enabled	Director of Planning and Regeneration & Cabinet Members for Planning & Infrastructure and Sustainability	Short Term	Medium Term	Long Term	Can be delivered using existing resources	As opportunities arise		No opportunities at present
E6	Support and progress development of hydrogen hubs	Enable and develop a clean hydrogen economy for transport and heating	Director of Planning and Regeneration & Cabinet Members for Planning & Infrastructure and Sustainability	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	Hydrogen hub was included in the £19.3m successful Newhaven Towns Fund bid: This is NEWHAVEN The funding was less than requested so the full project now needs to be determined.	amber
E7	Enable and invest in community energy schemes where this is financially viable	Community energy schemes are supported to deliver projects	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure and Sustainability	Short Term	Medium Term	Long Term	Project specific	Ongoing	The council has pledged to support OVESCO with feasibility funding for a solar farm.	green
E8	Introduce new sustainability Technical Advice Notes for developers (February 2021)- subsequently investigate potential for a more indepth Sustainable Design guide for developers that could link to circular economy work	Developers are advised as to expectations for new development and can easily access information on how to design for sustainability	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term	Medium Term		Can be delivered using existing resources	Mar-22	The Sustainability TAN has been adopted but there has been no further progress on a detailed design guide	amber

E9	Develop an ongoing programme of awareness raising and promotion of energy efficiency initiatives, especially in fuel poor and hard to reach communities	Educate and raise awareness, those most vulnerable benefit from energy efficiency advice and measures	Director of Planning and Regeneration & Cabinet Member for Communities & Customers	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Homes First Tenant experience solar PV survey administered. Review of solar and renewables underway. Carbon footprint pledge / information activity piloted at community event. ASHP user guide finalised and delivered to tenants - providing information on efficient use, energy saving tips, independent energy comparison. Further tenant engagement in development. Ongoing comms via tenant newsletters.	green
E10	Develop council web pages on sustainability and air quality to enable visitors to the web pages to better engage and understand the council's aspirations thereby increasing web traffic and raising public awareness.	Educate and raise awareness.	Director of Planning and Regeneration & Cabinet Member for Communities & Customers	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Initial updates and first bulletin due April 21 Full year comms plan due May 21	Website update completed- now BAU to update information- COMPLETE	green
E11	Develop comprehensive training and guidance for staff on climate change and carbon reduction. Also- specific training to ensure decisions properly take into account the carbon emission implications	All staff will improve their environmental awareness to enable carbon reductions in their work and private life. It will be clear to Councillors, officers and the public the carbon consequences of all decisions	Director of Planning and Regeneration & Cabinet Members for Performance & People and Sustainability	Short Term			Can be delivered using existing resources	Mar-22	Climate change online training has been developed but needs reviewing prior to going live.	amber
E12	Work in collaboration with others to advertise the Governments Green Homes Grant and associated funding streams and retrofit schemes.	Private sector housing can access funds to help retrofit and improve energy efficiency	Director of Planning and Regeneration & Cabinet Member for Communities & Customers	Short Term			Can be delivered using existing resources	Ongoing- ad-hoc	Comms underway as BAU through Email bulletins and social media. Solar Together direct mail took place at zero cost to Council alongside emails to residents, social media posts and press release. Data about uptake will be forthcoming over the next few months and installs will take place over the next year. We will work to promote key messages regionally and meet other LA officers on a regular basis to facilitate this.	green
E13	Work in collaboration with others to develop bids for the Local authority delivery strands of the Governments Green Homes Grant and associated funding streams	Public and private sector housing can access funds to help retrofit and improve energy efficiency	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Ongoing - ad-hoc	Successful LAD1a &1b funding gained by Hastings BC under auspices of Warm Home Check Service. LAD3/HUG consortium bid submitted and awaiting determination.	green
E14	Promote the Warmer Sussex retrofit scheme	Private sector homeowners have easier access to retrofitting advice and suppliers	Director of Planning and Regeneration & Cabinet Members for Housing and Communities & Customers and Sustainability	Short Term			Can be delivered using existing resources	Ongoing- ad-hoc	Scheme has (temporarily) ceased active marketing due to funding finishing March 2021	
E15	Support and facilitate access to the Warm Homes East Sussex scheme	Fuel poverty on the borough reduces	Director of Planning and Regeneration & Cabinet Member for Housing and Communities & Customers	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing - ad-hoc	Comms underway as BAU through Email bulletins and social media We will work to promote key messages regionally and meet other LA officers on a regular basis to facilitate this.	green
E16	Support the roll out of smart meters through promotion of the SmartEnergyGB scheme	Supports transition to smart energy grid and makes energy use more visible to residents which enables reductions	Director of Planning and Regeneration & Cabinet Member for Housing and Communities & Customers	Short Term	Medium Term		Can be delivered using existing resources	Ongoing- ad-hoc	Occasional comms when appropriate, nothing in 2021 to date- planned comms in November 2021 Climate Action email bulletin (home energy efficiency themed) due to increasing energy prices- smart meters will help residents be aware of their energy consumption and can help them reduce it.	amber
E17	Support delivery of regional plans- the Greater Brighton Energy Plan and the South2East Energy Strategy	Decarbonisation at a regional level is progressed and joint aims are met	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing - ad-hoc	DOHS and EV charging currently underway. Regular Officer involvement with these groups	green

E18	Support the delivery of Communiflex- Zero Carbon Village	Transformation of Barcombe communities energy system to become the UK's first Net Zero Village	OVESCO leading	Short Term	Medium Term		Externally funded	Ongoing- ad-hoc	As and when required. Officers have regular contact with OVESCO and share information when required, including on recent LAD grants.	OVESCO leading
E19	Support the delivery of Net Zero Firle Village	Creation of a local microgrid for heat and power	BHESCO	Short Term	Medium Term		Externally funded	Ongoing - ad-hoc	No specific requests for support to date	BHESCO leading
E20	Support the delivery of Solar Schools to achieve regional aims	Expansion of PV on schools	ESCC in partnership	Short Term	Medium Term		Externally funded	Ongoing- ad-hoc	No specific requests for support to date- no recent update	ESCC in partnership
Actions to make the Council net zero carbon by 2030										
E21	Complete the Non-Housing Asset Management Strategy and carbon reduction plan (inc. work through Reset & Recovery Programme)	The strategy will enable a long term plan to be developed to reduce energy consumption and increase power generation on our housing assets	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term	Medium Term		Strategy can be delivered using existing resources- projects will then need costing on a case by case basis	Dec-22	This work cannot start without stock condition surveys- budget has been requested for 22/23	red
E23	Deliver the carbon reduction plan for non-housing assets	Non-housing assets are energy efficient and generating energy	Director of Planning and Regeneration & Cabinet Member for Finance & Assets and Sustainability		Medium Term	Long Term	Delivery costs to be determined once plan is prepared			Action not yet reached
E24	Ensure the the council purchases a green electricity provider	100% of electricity supplied will be REGO backed energy that will qualify a 100% reduction in carbon emissions from consumed electricity	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term	Medium Term	Long Term	Completed October 2020	Completed October 2020- 4 year contract	4 year contract to Oct 2024	green
2. Sustainable Travel and Air Quality								Lead Officer- AQ Officer and Kate Richardson		
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME		RESOURCES	Date for completion	Annual Update November 2021	Status	
Actions by the council to enable the District to become net zero carbon by 2030										
T1	Procure a supplier of Electric Vehicle Chargepoints and produce initial delivery plan	The council can make a decision as to how to progress with increasing charging infrastructure in the district and a new project delivery action will be created if this goes ahead	Director of Service Delivery & Cabinet Members for Finance & Assets and Sustainability	Short Term			Proposal can be delivered using existing resources- implementation TBC	Mar-22 (revised date)	Procurement documents being prepared- due Autumn/Winter 2021	amber
T2	Prepare a plan during 2021 to hold regular Car Free Days/temporary road closures such as School Streets especially in areas of high foot fall	Gradual modal shift to reduce private vehicle travel and sustainable travel becoming the norm	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Mar-23 (revised date)	ESCC to provide report on success of and lessons learned from initial school streets pilots- this will provide LDC with direction for how to plan for these in the future. Air Quality Officer post was vacant for some of 2021. Timeline requires extension.	amber
T3	Prepare a plan during 2021 to promote active travel across Lewes District from a public health perspective - work with NHS partners to promote walking groups for example	Improved public health, better AQ and lots of engaging material for the LDC AQ/sustainability web pages/Twitter feed/local media	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Mar-23 (revised date)	Timeline for action to be extended for delivery in 2022	red
T4	Prepare a plan during 2021 to hold sustainability/air quality events with Theatre in Action groups, smoothie bikes, Dr Bike, community groups, etc.	Bringing awareness of AQ/ Sustainability issues to a personal level in a positive and fun environment	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Dec-21	Action proceeding to target	green
T5	Determine if the council can produce a Construction Code of Practice with guidance on use of low emission non-road mobile machinery and using on-grid energy instead of diesel generators where reasonably practicable	Lowering of emissions from construction sites, particularly in relation to NRMM	Director of Planning and Regeneration & Cabinet Members for Sustainability and Planning & Infrastructure	Short Term	Medium Term		Can be delivered using existing resources	Mar-23 (Revised date)	No work to date due to Officer need to focus on delivering statutory duties- on programme for 22/23	red

T6	Ensure that local planning policy and guidance includes requirements for passive and active EVCPs and cycle parking on all new major developments	Increase of sustainable travel infrastructure utilising planning policy	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term	Medium Term	Long Term	Can be delivered using existing resources	By or before Winter 2023	Technical Advice Note is published. Local Plan update is underway, sustainability appraisal and topic paper commented upon by Officers	green
T7	Work in partnership with ESCC to deliver new cycling and walking initiatives as detailed in the Draft East Sussex Local Cycling & Walking Infrastructure Plan (LCWIP) and seek opportunities for funding.	Additional cycling and walking routes	Director of Planning and Regeneration & Cabinet Members for Planning & Infrastructure and Sustainability	Short Term	Medium Term		Can be delivered using existing resources	TBC	LCWIP has just been adopted September 2021. Lack of new routes and priority improvements. ESCC 'capability funding' is available for cycling and walking initiatives within levelling up areas such as Newhaven. Allocation of funding has reduced total fund available. LDC seeking alternatives routes to progressing cycling improvements.	red
T8	Support development of hydrogen hubs (as per action E6)	Enable and develop a clean hydrogen economy for transport and heating	Director of Planning and Regeneration & Cabinet Members for Planning & Infrastructure and Sustainability	Short Term	Medium Term			Ongoing	Hydrogen hub was included in the £19.3m successful Newhaven Towns Fund bid: This is NEWHAVEN The funding was less than requested so the full project now needs to be determined.	amber
T9	Support Greater Brighton to develop a network of EV chargepoints so that all residents are 'within a convenient distance' of a place to charge their car (Pledge #4)	Coherent network is developed	Director of Planning and Regeneration & Cabinet Members for Planning & Infrastructure and Sustainability	Short Term	Medium Term			2030	Linked to T1- procurement due Autumn/Winter 2021	green
T10	Work in partnership with Greater Brighton to have enabled 50% of Greater Brighton's fleet vehicles to be low carbon by 2025 (Pledge #3)		Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term	Medium Term			2025	Infrastructure required at depot- being evaluated by UKPN	amber
T11	Enable expansion of car clubs through discussions with operators, parking space owners and the community	Residents can car share instead of owning their own vehicle- reduces vehicle numbers in town and provides control over type/efficiency of vehicle used.	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	Co-Wheels have stated the cars in the district perform well. Contact is maintained so officers can assist when needed if a decision is made to expand.	amber
T12	Determine how to support reduction in emissions from deliveries to local businesses/residents in particular 'last mile deliveries.' Eco - cargo bikes, restricted delivery times, provision of logistics facilities.	Reduction of traffic and emissions during peak travel times. Healthier, quieter and less polluted streets with potential to prioritise walkers/cyclists so increasing dwell time and improving local economy	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Mar-22	Notice provided of receipt of grant from DfT for £102k for 'Get Bikery' community eCargo bike scheme Lewes based project being progressed alongside Newhaven based scheme- project plan being developed	green
T13	Determine if the council can install pocket parks, micro green/blue spaces to improve diversity and AQ encouraging active travel	Raises appeal of active travel to visitors and residents	Director of Planning and Regeneration & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources	Mar-22	Action to be included in air quality Action Plans; Funding has been gained for Bike Parklets, Officers reviewing requirements for planning/consents. Also considering wild flower planting outside schools.	green
T14	Develop a localised and targeted education campaign aimed at public service vehicles, consider adopting Fixed Penalty Notice (FPN) powers	Discourage unnecessary idling by taxis, coaches and other vehicles	Director of Service Delivery & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Mar-22	Strong anti-idling signage at Earwig Corner during roadworks, working to install signage at schools as part of schools initiative. Restarting FPN discussions.	amber
T15	Develop a pathway to a low carbon taxi fleet	Reduced carbon emissions and improved air quality	Director of Service Delivery & Cabinet Member for Sustainability	Short Term	Medium Term		Can be delivered using existing resources	Mar-22	Taxi licensing guidance has been updated to include ultra low emission vehicles. Plan to brief licensing committee later in 2021 on how to decarb by 2030.	green
T16	Organise partnership work on transport issues required at a county level and nationally, in partnership with community groups- in particular public transport and trains	Coherent district infrastructure is delivered to achieve transport decarbonisation aims	Director of Planning and Regeneration & Cabinet Members for Sustainability and Planning & Infrastructure	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	BHCC bid successfully for retro-fitting exhaust system on all B'ton/Lewes/Uckfield/TW buses so reducing emissions impact in Lewes AQMA. AQ Officer has and continues to lead air quality work (especially the air quality action plans) in partnership	green

Actions to make the Council net zero carbon by 2030										
T17	Complete Phase 1 of the waste and recycling vehicle fleet review	Optimisation of routes and fleet reduction	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources	Linked to W4	Phase 1 route optimisation completed. Vehicle trials are in progress. Alternative fuels are being evaluated	green
T18	Produce pathway to decarbonise non- RCV fleet vehicles operated by the Council (small & medium vans, cars, other vehicles)	Plan to move to a low carbon fleet	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces		Medium Term		Fleet decisions to be costed at the appropriate time	Apr-24	Infrastructure required at depot to enable electric small vehicle fleet- currently being evaluated by UKPN. Also linked intrinsically to hydrogen hub development in Newhaven.	green
T19	Remove fossil fuel fleet vehicles (small and medium vans, cars, other vehicles)	Low carbon fleet achieved	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces			Long Term	Fleet decisions to be costed at the appropriate time	2030		Not yet started
T20	Introduce sustainability criteria into council procurement policies with weighting given to tenderers with proven sustainability policy particularly in the areas of logistics and servicing due to their high vehicle use and emissions	Support for sub-contractors with green credentials to work with LEC	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources	Mar-22	This is occurring ad-hoc as contracts are re-newed or new ones drafted (eg. Sidings café, EV chargepoints)- no audit has taken place yet and not yet within contracts utilising vehicles- planned for review 22/23	amber
3. Biodiversity								Lead Officer - Jane Goodall		
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME			RESOURCES	Date for completion	Annual Update November 2021	Status
Actions by the council to enable the District to become net zero carbon by 2030 and to address the ecological emergency										
B1	Develop and adopt a Biodiversity Strategy and action plan	We will have developed our aims and actions to deliver biodiversity improvements	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources	Mar-22	Biodiversity Strategy and action plan approved at Cabinet in June 2021- Actions updated in this action plan- COMPLETE	green
B2	Local Plans – work closely with Planning Policy and planners and partners to achieve biodiversity wording that is fit for purpose and ambitious to arrest declines	Green and biodiversity beneficial Local Plans	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure		Medium Term		Can be delivered using existing resources	2025	Technical advice notes produced ahead of new local plan. Need to develop a carbon offsetting partner	green
B3	Develop and adopt a Biodiversity Net Gain Technical Note- due February 2021 -	Developers have specific guidance to meet the biodiversity net gain requirement on all sites	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term			Can be delivered using existing resources	Completed Feb 2021	COMPLETED February 2021	green
B4	Council Officer training in biodiversity to be completed - Sussex Wildlife Trust could provide this for example- and ensure up to date information & signposting is readily available to decision makers	Decision makers are better informed about biodiversity and nature based solutions	Director of Planning and Regeneration & Cabinet Member for Performance & People	Short Term			Can be delivered using existing resources	Mar-22	Preliminary discussions taking place from week of 20/9/21 re: planning consults and role of Green Consultancy team and the pre app process	amber
B5	We will encourage and support tree planting, and other natural habitat creation measures, providing direct assistance when required	to improve biodiversity, store carbon, protect against flooding and generally enhance the environment which can benefit our physical health and mental well-being	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Opportunities are being explored when opportunities arise eg. Lewes Cemetary plantings for pollinators, as well as trees.	green
B6	To work with the Sussex Wildlife Trust to deliver their 'Vision for Sussex'	Sussex is a place where people and nature thrive	Sussex Wildlife Trust leading	Short Term	Medium Term			Ongoing	1:1 meeting held early October between council and SWT to explore key projects	green

B7	Investigate possible partnerships with the Sussex Wildlife Trust/Sussex Nature Partnership to deliver a district wide approach to the wildlife crisis	To work with landowners, partnerships and community groups to build a resilient ecological network throughout the district	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term				Ongoing	1:1 meeting held early October between council and SWT to explore key projects	green
B8	Develop pipeline of projects for biodiversity net gain and 'offsetting'	Increase in biodiversity and projects enabled	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources	2023	Part of SELEP funded project to review opportunities for regional carbon offsetting	green
B9	Review land holdings for possible biodiversity and nature based climate solutions and carry out feasibility work	Internal and Partnership projects enabled	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	2 new ecologists have just joined the council team to enable this work	amber
B10	Complete University of Brighton student GIS mapping project for areas of land suitable for large scale tree planting - Due July 2021	GIS tools are easily available for all officers to use to aid decision making	Director of Planning and Regeneration & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Jul-21	This work was successfully completed for the district and handed over. GIS work being extended to wider Sussex region. COMPLETE Updated mapping from Sussex NP is being delivered this week, 20/9/21	green
B11	Support Changing Chalk bid and project if successful	Community ranger for countryside/nature/downland education and involvement	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources		National Trust have submitted bid to Heritage Lottery Fund- BID SUCCESSFUL- continued support may be required to deliver projects from 2022 onwards	green
B12	Continue work with community groups, education and communication	Community groups encouraged and work progressed	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Opportunities through the Ouse valley CARES programme to be explored Oct/Nov 2021. Officers to arrange '1:1' with CARES project office. Climate Action Forum to be used to facilitate CARES. Regular sharing of comms material through Climate Action email bulletin.	green
B13	Continue to provide project support for partnership projects, including expertise, volunteer management and fund raising support	Partners projects are enabled and supported to achieve multiple outcomes dependent on project	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Ongoing Business As Usual	green
B14	Support Greater Brighton to re- establish a 10 mile Kelp forest off the coast of Sussex	A new kelp forest could capture 70,000 tonnes carbon per year and help prevent coastal erosion	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Officer attended seminar in June. Further resource/capacity within the Green Consultancy team to support coastal and marine initiatives secured from Dec 2021	green
B15	Support Greater Brighton and the University of Sussex in rewilding and rain garden research	Knowledge is developed and shared to enable more and better designed projects	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term	Medium Term		Can be delivered using existing resources	2025	Rain garden plans continue to be developed- awaiting formal update from GBEB	green
B24	Closer working with Planning colleagues to secure biodiversity and sustainability benefits	Planning applications are reviewed by specialists to support alignment with policy	Directors of Service Delivery and Regeneration & Planning & Cabinet Member for Sustainability	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	Process for consultations on planning applications is being developed	amber

Actions to make the Council net zero carbon by 2030 and address the ecological emergency on its own land										
B16	Develop a programme of works on LDC land to increase joining up of biodiversity corridors & ecological networks	Increase in biodiversity Improved well being of residents	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Resources to be determined		Recruitment to the team has been successful. These issues to be raised at the meeting between the council and Sussex NP 4/10/21	amber
B17	Determine & provide suitable land to enable tree planting and re-wilding	Carbon capture through trees, increased biodiversity, improved mental wellbeing, increased summer shading	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		Resources to be determined	2025	This work will be facilitated by B8	amber
B18	Improve and reduce mowing practices on District Council land	Improved habitat for insects	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources		This is now business as usual- COMPLETE	green
B19	Reduce the use of pesticides on District Council land and lobby East Sussex County Council to do the same	Improved habitat for insects	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources	On-going lobbying of ESCC	Pesticides are not used in district council parks or play areas. Active engagement with ESCC re pesticides is ongoing. Next meeting with ES Highways: Sept '21	green
B20	Increase wildflower and pollinator planting where suitable	Improved habitat for insects	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term			Can be delivered using existing resources	Ongoing	This is now business as usual- COMPLETE	green
B21	Increase community management of council owned land and ensure biodiversity commitments are enshrined in all devolved land holdings	Increased community ownership of sites Improved habitat for wildlife.	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	new action- work yet to begin	amber
B22	Create wildlife friendly parks & open spaces	Improved natural habitats - for example 'hedgehog highways'	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces	Short Term	Medium Term		BAU delivered using existing resources - additional/new projects will require costing	Ongoing	New action- principle is within all parks & open spaces work- needs to be maintained	green
B23	To develop an approach to habitat carbon counting and reporting	Will improve our awareness of the capacity of our habitats to sequester carbon	Director of Service Delivery & Cabinet Members for Sustainability and for Recycling, Waste & Open Spaces		Medium Term		Can be delivered using existing resources	2016	new action- work yet to begin	Not yet started

4. Agriculture & Food								Lead Officer - Kate Richardson		
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME			RESOURCES	Date for completion	Annual Update November 2021	Status
Actions by the council to enable the District to become net zero carbon by 2030 and to address the ecological emergency										
A1	Support local food growing initiatives by making suitable land available and incorporating it into our work with social housing tenants as part of DOHS	More residents can access local food and grow their own	Director of Regeneration & Planning & Cabinet Member for Housing	Short Term	Medium Term		Can be delivered using existing resources	Ongoing	Community growing policy and checklist underdevelopment. Will seek community input. Links with a number of community groups with proposals for community food schemes with Cllr interest and support of projects. Planned tenant engagement at Saxonbury. Linking with community resources and initiatives. Steering Group member of Food Partnership.	green
A2	Work with SCDA and partners to develop a food partnership- led by SCDA and funded by ESCC	By end of 2021 SCDA intend to have-governance structure for district food partnership- draft strategy or action plan- food systems map	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Mar-22	Work underway	amber
A3	Work with the food partnership to enable more local food distribution	Residents can access locally produced food more easily	Director of Regeneration & Planning & Cabinet Member for Sustainability		Medium Term		Can be delivered using existing resources			Not yet started
A4	Work with the Climate Action Forum and others to share best practice on local food distribution	Best practice (such as Lewes Friday Food Market) and knowledge is shared to help new market establish	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Ongoing- CAF contract finished Aug 21 - may be taken on by OVC	Forum is likely to move towards Ouse Valley CARES project- no specific work done on food. This action is likely to be progressed through the food partnership	amber
A5	Support initiatives that promote or enable low carbon and nature-friendly farming locally eg South East Downs Farm Cluster	This wider working will facilitate local (Sussex) food production	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term	Medium Term	Long Term	Resources to be determined	Ongoing	Ouse Valley Cares Project has made contact with cluster group. Internally needs planning and resourcing.	amber

5. Reducing Emissions from Waste							Lead Officer- Jane Goodall			
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME			RESOURCES	Date for completion	Annual Update November 2021	Status
Actions by the council to enable the District to become net zero carbon by 2030										
W1	Review waste & recycling service provision to align them with the requirements of increasing recycling and decreasing residual waste.	We recycle more than we incinerate, and our collection methods and schedules enable that and champion it.	Director of Service Delivery & Cabinet Member for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources	Mar-22	The use of live intel through in-cab technology is reducing contamination within the residual waste and we have the ability to re-direct customers to the appropriate recycling stream. We have reached our performance thresholds within the current system- options will be presented to Cabinet by March 2022	amber
W2	Continue with planned communications with regular emphasis on food waste reduction eg. 'How to use Christmas leftovers 'and incorporate these comms into the overarching sustainability comms plan	Consistent messaging and comms planned on sustainability issues	Director of Service Delivery & Cabinet Member for Recycling, Waste & Open Spaces	Short Term				Ongoing	Comms to increase recycling continues to be a corporate priority and we use all the engagement tools available. The 'Reduce Reuse Recycle' (RRR)bulletin has been well received by members and residents	green
W3	Help develop local reuse and repair schemes which divert waste, for example Freegle, Freecycle, repair cafes etc.	Encourages a local circular economy and these schemes provide the most help and benefit to people in greater need.	Director of Service Delivery & Cabinet Member for Recycling, Waste & Open Spaces	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	We have used the RRR bulletin to promote schemes- Lewes Repair Café is open and meeting monthly. Have developed a Planning Technical Advice Note relating to construction waste and is now a validation requirement	green
Actions to make the Council net zero carbon by 2030										
W4	Undertake fleet review - produce pathway to zero carbon RCV (refuse collection vehicle) fleet	Plan in place to deliver zero carbon waste and recycling fleet	Director of Service Delivery & Cabinet Member for Recycling, Waste & Open Spaces	Short Term	Medium Term		Can be delivered using existing resources		Vehicle trials are in progress. Alternative fuels are being evaluated	amber
W5	Deliver on zero carbon RCV fleet	Zero carbon fleet achieved	Director of Service Delivery & Cabinet Member for Recycling, Waste & Open Spaces			Long Term	Financial implications to be assessed separately at the time	2030		Not yet started
W6	Eliminate use of Single Use Plastic (SUP) at LDC operated events and third party events supported by LDC wherever possible	Reduced plastic waste.	Director of Service Delivery & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	2022	Work needs to commence to ensure contracts contain appropriate service level agreements to eliminate SUPs at events	amber
W7	Eliminate use of unsustainable paper for printed marketing materials and within democratic services	Reduced emissions from consumption of paper products	Director of Regeneration & Planning & Cabinet Member for Sustainability	Short Term			Can be delivered using existing resources	Ongoing - maintenance	Paperless meetings has been enabled. Councillors can opt out of physical papers for meetings. Very little material printed- move to email and social media. Some marketing material for events/council tax will continue to be produced.- Now BAU	green

6. Water							Lead Officer - Kate Richardson			
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME			RESOURCES	Date for completion	Annual Update November 2021	Status
Actions by the council to enable the District to become net zero carbon and climate resilient by 2030										
WA1	Complete the new Local Plan and ensure that planning policies and guidance reflect our strategic goals for water	New development is low carbon, energy efficient and is resilient to future climate change	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure		Medium Term		Can be delivered using existing resources	2025	Emerging local plan will engage with Service Provides to ensure that the areas of Infrastructure deficiency are addressed	Not yet started
WA2	Expand upon the successful Sussex Flow Initiative and introduce other natural flood management projects	Flood risk is reduced using natural methods which also supports the environment	Director of Service Delivery & Cabinet Member for Sustainability	Short Term	Medium Term		Resources to be determined	Ongoing	Several carbon storage/wetland projects being investigated across Lewes District	green
WA3	Work in partnership with the Environment Agency to explore the options viable to manage the risks posed by the undefended cliffs at The Esplanade, Telscombe Cliffs.	The Environment Agency's larger technical capability and resources can be utilised to seek an appropriate solution to managing the risks posed by an eroding coast at this location.	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term	Medium Term	Long Term	Partnership working delivered using existing resources	Ongoing	EA work progressing and completing initial phase of investigation	green
WA4	Deliver a coastal management climate change workshop for experts early 2021 and subsequently determine next steps.	Will complete this important engagement that was not completed during the initial strategy engagement period and will start a process of re-engagement with members on this issue.	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term			Can be delivered using existing resources	Jun-21	Work has progressed- REMOVE ACTION	
WA5	Support the Greater Brighton partnership with Southern Water to install water recycling on a housing estate (Pledge #2) and evaluate the learning from the pilot	Research and knowledge is gained and can be transferred for use on new developments within our district	Southern Water	Short Term	Medium Term		Can be delivered using existing resources	2025	Awaiting Greater Brighton action plan updates- currently underway	Led by Southern Water
WA6	Ensure planning policy reflects the need to avoid substantial development on flood plain	Essential flood plain is retained and flood risk is minimised	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure	Short Term	Medium Term	Long Term	Can be delivered using existing resources	Ongoing	Emerging local plan will address this issue.	amber
WA7	Develop guidance to meet water consumption for new builds of no more than 80?? litres per day (part of GB pledge #10)	Preservation of water resources	Director of Planning and Regeneration & Cabinet Member for Planning & Infrastructure		Medium Term		Can be delivered using existing resources	2025	New Technical Advice Note in place- need to work up to reducing this further above Building Regs.	Not yet started
Actions to make the Council net zero carbon by 2030										
WA8	Once Asset Management Strategy is complete- As per action E22- Develop a water consumption reduction plan for all remaining non-housing assets	Plan allows for structured and planned delivery to meet carbon neutrality goal	Director of Planning and Regeneration & Cabinet Member for Finance & Assets		Medium Term		Can be delivered using existing resources	Dec-22		Not yet started

7. Circular Economy and Community Wealth							Lead Officer- Jo Harper		
Action reference	ACTION	OUTCOME	ACTION OWNERS (note: the Cabinet Member for Sustainability has oversight of all actions)	TIMEFRAME		RESOURCES	Date for completion	Annual Update November 2021	Status
Actions by the council to enable the District to enable a green recovery and become net zero carbon by 2030									
C1	Implement the 'Re-imagining Lewes District Action Plan' As per the cabinet paper December 2020	The council will have delivered on the following work streams: 1. Lewes District Council as a community wealth building council 2. Progressive procurement of goods and services 3. Fair employment and just labour markets 4. Socially productive use of land and assets 5. Making financial power work for local places 6. Plural ownership of the economy	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term	Medium Term	Can be delivered using existing resources	2026	Strategy agreed at Cabinet June 2021- progress reporting will be through annual reports for next 5 years.	green
C2	Produce a council sustainable procurement strategy with a focus on local and sustainable purchasing	Reduced emissions from procurement. Increased local spend and resulting improved community wealth	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term		Can be delivered using existing resources	Mar-22	Occurring as contracts arise- timeline for strategy TBC	amber
C3	Complete the Net Zero Innovation Fund project on alternative finance models-	Understanding of which projects are suitable for community funding and investment models, seed funding and project pipeline	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term		Can be delivered using existing resources	Dec-21	Report completed- Legal work underway and due for completion December 2021 (extended with permission of LGA) Council has signed up to the GFI's pledge to launch a bond within 18 months of COP 26	green
C4	Determine if the council can set up a community investment programme potentially using municipal bonds (utilising output of Net Zero Innovation Fund)	Legal work and project pipeline completed to enable bonds to be raised. Community can invest in local projects.	Director of Planning and Regeneration & Cabinet Member for Finance & Assets	Short Term	Medium Term	Can be delivered using existing resources	Mar-23 (revised timeline)	Project collation is underway but this action requires the completion of C3 above	green

Sustainability Indicators

To be reported annually

Key corporate Indicators		Outturn	Method
Dist.	Annual District Carbon Emissions	2017= 391 ktCO2 2018 = 385 ktCO2 2019 = 371ktCO2	BEIS LA data
Corp.	Annual Corporate Carbon Emissions	2018-19 = 1590 tonnes CO2e 2019-20 = 1479 tCO2e 2020-21 = 1358 tCO2e	GHG Protocol and method described in the baseline rpeort for scope 1 and scope 2 emissions
Energy & the built environment Indicators		Outturn	Method
SI.E1	Carbon dioxide emissions from domestic dwellings	2017 data: 150 ktCO ₂ 2018 data: 150.4 ktCO ₂ 2019: 146 ktCO2	BEIS UK, Local and regional CO2 emissions dataset (data is annually updated 2 years in arrears)
SI.E2	Average SAP rating of Lewes District Council Housing Stock	2020 data: 71 (Band C)	From Housing Asset database
SI.E3	Percentage of fuel poor households in the borough	2019: 7.1%	East Sussex in Figures (LILEE definition)
SI.E4	Solar PV generation: number of sites and total generation capacity	2018: 2,350 installations and capacity: 14.6 MW 2019: 2,438 installations and capacity 14.9 MW 2020: 2,439 and capacity 15.3 MW	BEIS renewable energy statistics- Renewable energy by Local Authority dataset (years 2018-20 updated Sept 2021)
SI.E5	Number of staff to have undertaken carbon reduction training	Zero- training to be planned during 2021/22	HR records
SI.E6	Carbon dioxide emissions from domestic properties using 'other' forms of fuel (not gas or electricity)	2017: 17 ktCO ₂ 2018: 18 ktCO ₂ 2019: 18.3 ktCO ₂	BEIS UK, Local and regional CO2 emissions dataset (data is annually updated 2 years in arrears)
SI.E7	Pilot project is completed for Southern Water to deliver combined water and energy efficiency visits within Lewes district by end of 2021 (Greater Brighton pledge #6)	Number of visits: TBA Estimated savings achieved: TBA	Provided by Southern Water records end of 2021
Sustainable travel and air quality Indicators		Outturn	
SI.T1	Carbon dioxide emissions from transport	2017 data: 181.8 ktCO ₂ 2018 data: 177.7 ktCO ₂ 2019: 172 ktCO2	BEIS UK, Local and regional CO2 emissions dataset (data is annually updated 2 years in arrears)
SI.T2	Number of electric vehicle chargepoints in the district (total number) and the number in our carparks	District (public): 10 (of which LDC Car parks= 2)	ZapMap and internal records

SI.T3	Average minimum travel time to reach the nearest 8 key services by public transport or walking (medium sized centres of employment (500-4999 jobs), primary schools, secondary schools, further education, GPs, hospitals, food stores and town centres)	2017= 18.1 minutes	DfT Journey time statistics: Table JTS0104 2017 (no 2019 update yet)
SI.T4	% of users within 15 minutes of public transport and cycling/walking journey time of services	2017 = 39%	DfT Journey time statistics: Table JTS0408 2017 (dataset: Town106)
SI.T5	Annual mean Nitrogen Dioxide levels in AQMA's	2019 Lewes NOx: 19µg/m ³ PM10: 18 µg/m ³ Newhaven: TBA	Source: LA Monitoring report (next update due Dec 2021)
Biodiversity Indicators		Outturn	Method
SI.B1	Number of trees/hedges planted	Nov 2019 to Nov 2021 = 1044	Figure collected from council 'Tree planting register' running total
SI.B2	% of major developments achieving a minimum 10% biodiversity net gain	TBC	TBC 2020/21
SI.B3	% of SSSI's (Sites of Special Scientific Interest) in a favourable or unfavourable and declining condition	2020: Favourable: 53.9% Unfavourable and declining: 1.1%	Local Wildlife Sites Initiative Sussex/LA Monitoring Report
SI.B4	Value of annual investment in natural capital projects	£ = None Carbon sequestration potential = 0 tonnes	TBC- work starting 2021
Agriculture & food Indicators		Outturn	Method
SI.A1	Area of Council land that has been made available for food growing	TBC	TBC
SI.A2	Can NFU provide data on farmers converting to more sustainable practices? or engaged with?	TBC	TBC
Waste Indicators		Outturn	Method
SI.W1	Total amount of waste produced	2019/20 = 31,913.89 tonnes 2020/21 = 34,108.51 tonnes	Sourced from WasteDataFlow
SI.W2	% of waste recycled	2019/20 = 41.71% 2020/21 = 39.8%	Sourced from WasteDataFlow

Water Indicator		Outturn	Method
SI.WA1	Number of units approved contrary to Environment Advice regarding flooding	2018/19= 1 2019/20 = 0	Source: LA Monitoring report
SI.WA2	Percentage of dwellings meeting required water consumption standards	TBC	Source: LA Monitoring report
Circular Economy & Community Wealth		Outturn	Method
SI.C1	Progress against the 'Re-imagining Lewes District' Action Plan	green- good progress	Progress reporting via the Recovery and Reset Board