



Hertfordshire Climate Change and Sustainability Partnership

Strategic Action Plan (2024-2030) Net Zero Carbon Across Hertfordshire

Review May 2024

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1. Introduction

1.1 This Strategic Action Plan outlines the Hertfordshire Climate Change & Sustainability Partnership's (HCCSP) contribution to achieving net-zero CO₂e emissions across Hertfordshire by 2050, if not before.

1.2 HCCSP works collaboratively to accelerate action on climate and environmental targets, using direct and indirect policy where possible, legislation, influence, and encouragement. It aims to achieve a sustainable environment for current and future communities.

1.3 All HCCSP members have set a carbon reduction ambition for their own operations and the geography of their individual local authorities. This action plan looks at what we can influence collectively to reduce emissions across the whole county.

1.4 This Strategic Action Plan addresses issues related to carbon emission, primarily in the building and energy sectors. It will link with other Strategic Action Plans within HCCSP and other strategic stakeholders across the county and region.

1.5 This Strategic Action Plan is working towards Hertfordshire local authorities' targets, the 6 years to 2030 and up to 2050 (annexe 1) and will be reviewed and monitored via HCCSP on an annual basis.

1.6 Geographic boundaries - this action plan is looking at mitigating carbon emission across the whole county.

2. Vision for the Future

2.1 HCCSP will align its mission with the Hertfordshire Growth Board Sustainable mission:

- By 2050, Hertfordshire will be a prosperous, low carbon economy with a thriving natural environment, having maximised the benefits of sustainable growth for our residents and businesses, and achieved net zero greenhouse gas emissions

3. Hertfordshire Carbon Emission

- Carbon measurement from 2005 to 2021 has been calculated from the Department for Energy Security and Net Zero (DESNZ) estimations.

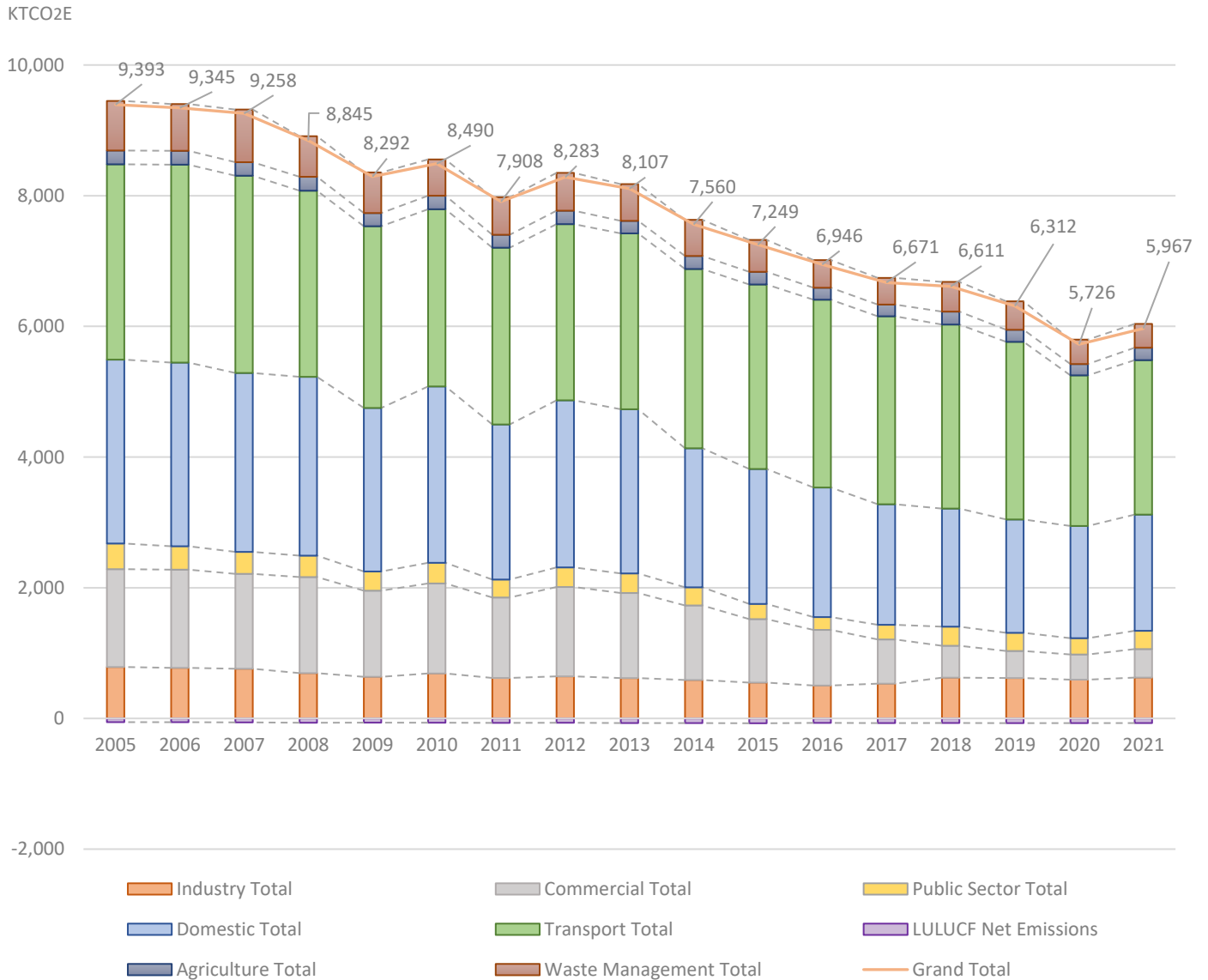
- DESNZ provide data for two scopes:
 - Geographic set of data - GHG emission for Local Authority territorial greenhouse gas emissions estimates 2005-2021 (kt CO₂e)
 - Data from DESNEZ Local Authority territorial carbon dioxide (CO₂) emissions estimates within the scope of influence of Local Authorities 2005-2021, (excludes large industrial sites, railways, motorways, land-use, livestock and soils)

3.1 Geographical carbon emissions

- In Figure 1, greenhouse gases emission 2005 – 2021 estimated for Hertfordshire geographical area form DESNZ GHG emission for Local Authority territorial greenhouse gas emissions estimates.
- A full and detailed carbon emission analysis of Hertfordshire geographical area, as well as per Local Authority borders can be found on the Herts Insight website ([Greenhouse Gas Profile - County | Hertfordshire | Report Builder for ArcGIS \(esriuk.com\)](#)).

Figure 1 – Hertfordshire territorial greenhouse gas emissions

(DESNZ estimate 2005-2021 (kt CO₂e))



- Carbon dioxide equivalent emissions were about 5,967 ktCO₂e (2021) with 5% (250.1 kt CO₂e) coming from the public sector.

3.2 Sectorial scope from DESNZ.

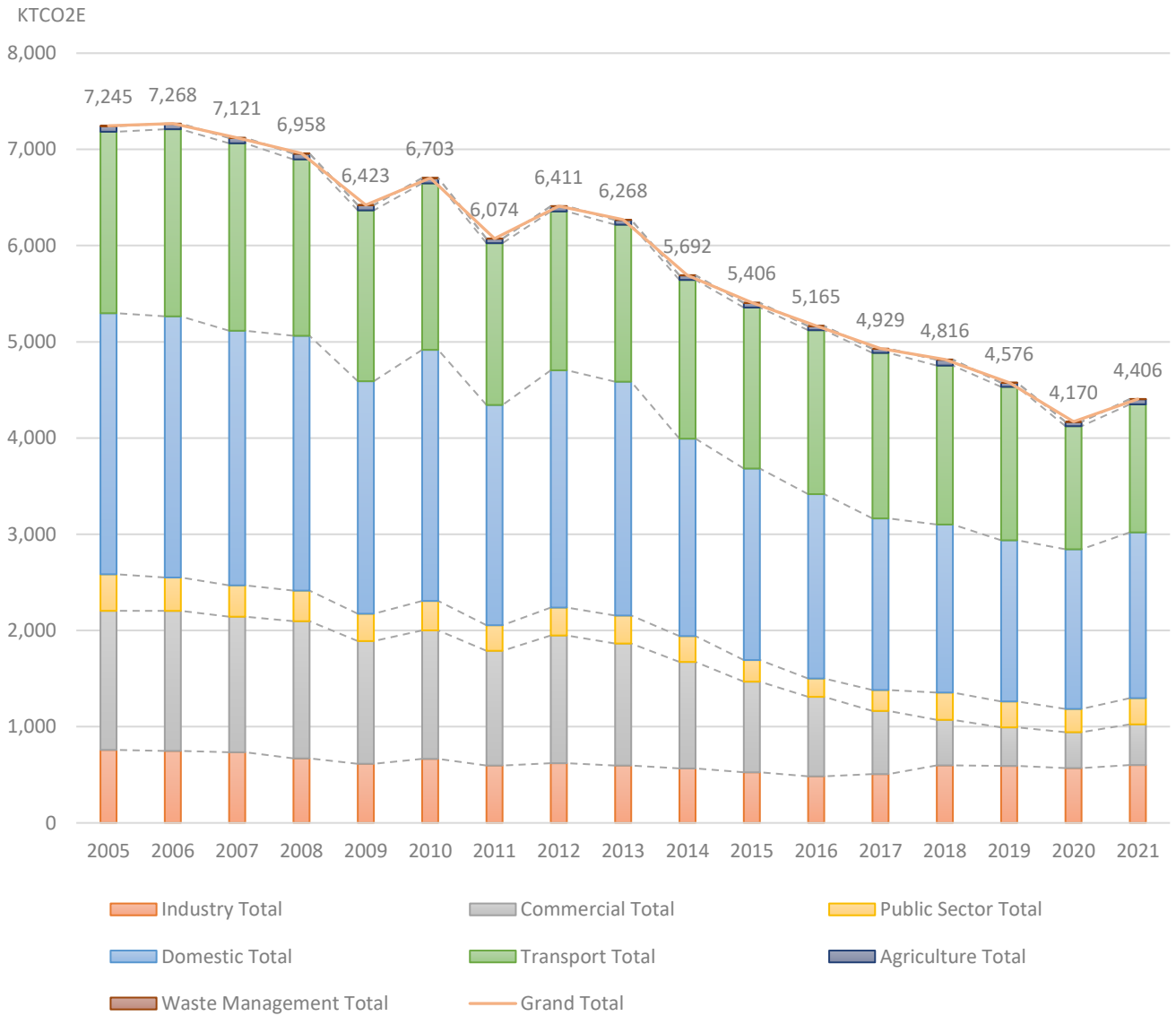
- The carbon emission measurements illustrated in figure 2 are the CO₂e emission estimation taken from DESNZ data from 2005 to 2021 - Local Authority territorial carbon dioxide (CO₂) emissions estimates within the scope of influence of Local Authorities.

HCCSP: Strategic Action Plan (2024-2030) Net Zero Carbon Across Hertfordshire

- Subset dataset (Excludes large industrial sites, railways, motorways, land-use, livestock and soils).

Figure 2 - DESNZ Hertfordshire CO₂ estimation 2005-2021

(Local Authority territorial carbon dioxide (CO₂) emissions estimates within the scope of influence of Local Authorities 2005-2021)



- Carbon dioxide equivalent emissions were about 4,406 ktCO₂e (2021) with 6% (272.3 kt CO₂e) coming from the public sector (Figure 1).

3.3 Metrics Indicators

- The metrics were calculated within the same boundaries: measurements were taken from DESNZ estimation from Local Authority territorial carbon dioxide (CO₂) emissions estimates within the scope of influence of Local Authorities 2005-2021 - Subset dataset (Excludes large industrial sites, railways, motorways, land-use, livestock and soils).

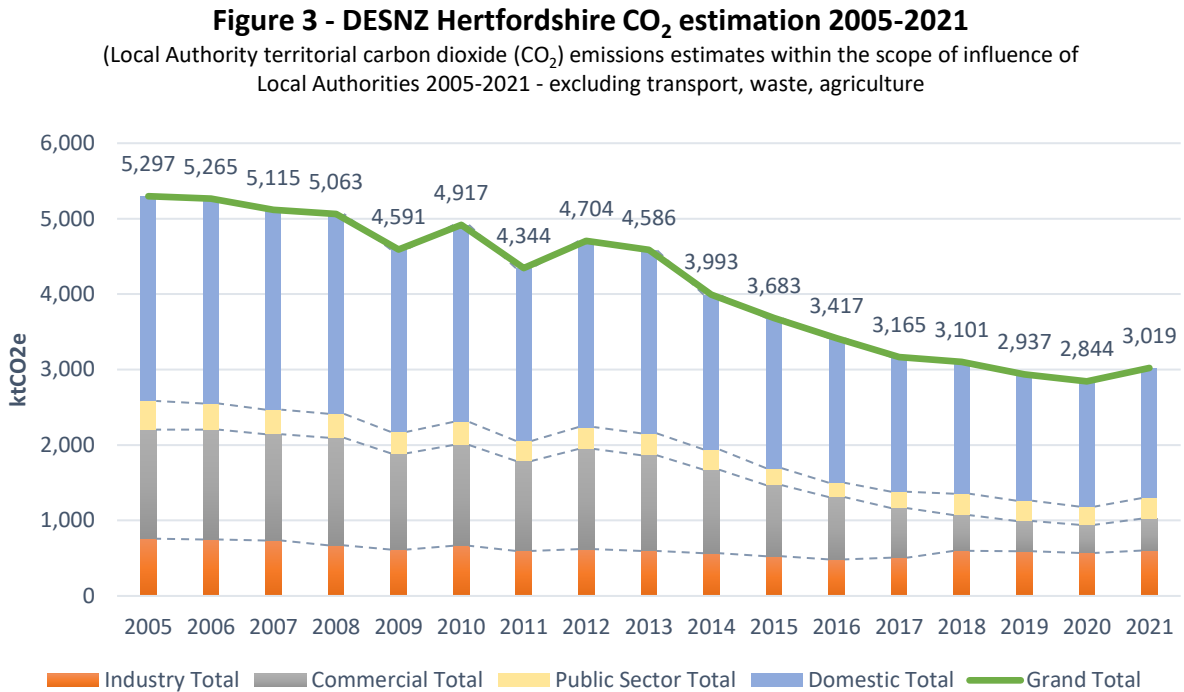
	tCO ₂ per capita			ktCO ₂ per km ²		
	2005	2021	<i>Diff</i>	2005	2021	<i>Diff</i>
Hertfordshire	6.9	3.7	-3.2	4.4	2.7	-1.7
East of England	7.4	4.1	-3.3	2.1	1.3	-0.8
England	7.2	3.9	-3.3	2.7	1.7	-1
UK	7.4	4.1	-3.3	1.8	1.1	-0.7

Table 1 – Difference of two metrics indicators (per capita and per km²) of Hertfordshire, East of England, and the UK between 2005 and 2021 (DESNZ estimation)

- In 2021, Hertfordshire had a population of around 1.2 million for a surface of 1,643 km². (East of England had 6,348m people living within 19,584 km² and England had a population of 56,536m within 132,929Km² and at national level a population of 67,026m for a surface of 248,718Km²)
- In 2021 the tCO_{2e} per capita was 3.7 compared to a national of 4.1.

4. Carbon Emission for HCCSP Action Plan:

4.1 Sectorial emissions



- This action plan limits its scope to CO₂e emissions from main sources of emission energy consumption (gas, electricity mostly) and generation for public sector, domestic, and business sectors representing a cumulative of **3,019 ktCO₂e** (figure 3)
- Transport (1,330 ktCO₂e) will be considered within the HCCSP Transport subgroup.
- Waste Management emissions (3 ktCO₂e) will not be included in this scope of work. All reporting and monitoring requirements regarding waste management are delivered by Hertfordshire Waste Partnership who are leading on carbon reduction for this sector (regular liaison between HCCSP and HWP takes place).
- Reducing agriculture carbon emissions (53 kt CO₂e) will be looked at through the work between the Biodiversity or Carbon subgroups of HCCSP. Regardless, emissions from the agriculture sector will not be included within these datasets.
- Emissions will be reported via data from DESNZ and Herts Insight.

5. Scopes for the action plan

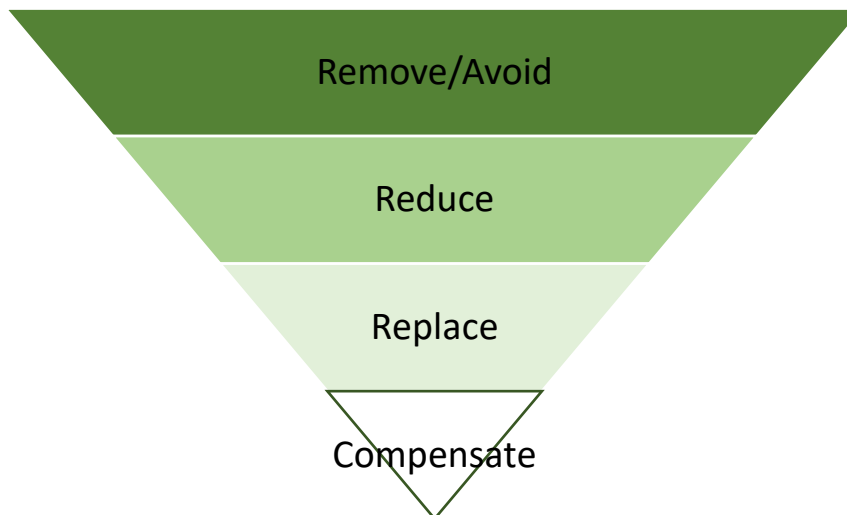
- The sectorial scope of this action plan has been limited to **reducing fossil fuel consumption and therefore reducing demand and generation.**
- The actions identified here will focus on the main sectors that consume fossil fuel and emit large amount of CO₂e: mostly buildings (domestic and commercial), and the energy system.
- It will consider actions on prevention (emissions reductions and avoidance), knowledge transfer, training, facilitating deliveries and offsetting options for local authorities. Finally, it will identify the relevant stakeholders to engage with.
- A thorough and detailed analysis of Hertfordshire's previous carbon emissions are included in the [HCCSP's Strategic Action Plan for Carbon Reduction 2021](#).

6. Delivery

6.1 Approach

- The method used will follow the carbon Net-Zero hierarchy (Figure 4)

Figure 4 – Carbon Net-Zero hierarchy



- Local Authority Partners within HCCSP (HCCSP partners) will align actions to reducing the use of fossil fuels in the first instance and consider offsetting hard-to-treat emissions as a last solution.

6.2 Limitations

Several specifics need to be considered when looking at achieving the net zero goal.

- The socio-economic variation within the county.
- The level of funding available.
- The level of skills, material, and labour resource available.
- The policy context.
- The level of influence and control local authorities has.
- The existing energy infrastructure.

6.3 Governance and monitoring – subgroup role

- The action plan is created by all HCCSP partners and supports the delivery of the [Hertfordshire Growth Board \(HGB\) Vision and Missions](#). HCCSP is designated as the lead organisation for the HGB Sustainable County Mission, and will use various methods including liaison, direct action where appropriate and the provision of advice to facilitate and deliver a range of goals with a range of key partners and stakeholders. HGB's Sustainable County Mission identifies nine strategic goals, many of which intersect with those outlined in this Strategic Action Plan. HCCSP has provided indicative milestones to deliver the goals, which will be monitored and reported to the HCCSP Board quarterly and HGB at least annually. The goals are interrelated, and it is likely that individual actions will contribute to multiple milestones. However, it is noted that the scope of work needed is very broad, as will be indicated in the Action Plan.
- The subgroup has focussed on identifying actions to reduce CO_{2e} emissions for the county. Not all of the actions will be deliverable by HCCSP or its partners, and there will be regular liaison with other organisations. However, as the Lead Organisation HCCSP will lead in the monitoring of the action plan and the results achieved.
- HCCSP will report CO_{2e} emission estimations as an indicator of the action plan progress.
- See also Section 10 Role of Local Authorities and HCCSP.

7. Delivery with key actors and stakeholders

- HCCSP identifies a range of actions that will need internal and external stakeholders’ engagement at different level, as illustrated in table 2.
- The actions require a collaborative approach with businesses, local communities, statutory bodies and infrastructure companies.
- Stakeholders will be informed and encouraged to contribute towards the county’s carbon reduction activities through a range of HCCSP communication channels including the HCCSP Annual Event and a quarterly newsletter.
- HCCSP will create a stakeholder plan as described in Table 2.

Stakeholders	Engagement / Role
Primary Stakeholders - Leaders	Policy, Delivery, Guidance, Lobby, Assess, Lead, Influence
Secondary Stakeholders - Delivery	Grant releasers, Collaboration, Consultation, Energy Generation, Delivery, Research projects, Training, communication, Lobby, Influence
Third Stakeholders – Implement / Users	Deliver, collaboration, implementation, ownerships.
Fourth Stakeholders – Network information	Sharing information and knowledge

Table 2 – Main stakeholders and their roles

- The subgroup will support HCCSP to lobby relevant bodies such as central government and key anchor institutions, where ambition is hindered by legislative or policy barriers.

8. Key Objectives

8.1 Having identified the priority areas of energy efficiency in buildings, energy generation and offsetting/insetting, by the end of financial year 2024/25, HCCSP will:

- Establish where local government bodies and stakeholders can identify and create meaningful changes and actions;
- Estimate costs, procurement mechanisms and identify funding sources that can be used for future projects by the end of the financial year;
- Provide an engagement approach for internal and external stakeholders to combine efforts in delivering carbon emission reductions for Hertfordshire County; and

Accelerate the county of Hertfordshire towards net zero, focusing on high impact approaches that reduce demand through energy efficiency, retrofitting and new net zero buildings; on a low carbon energy system; and on offsetting and insetting. Insetting will refer to using a decarbonisation project within the county, that occurs within the organisational value chain, in this case within Hertfordshire, as defined by the University of Hertfordshire ([Herts Insetting - 31 Oct 2023.pdf](#)).

8.2 The expected outcomes will include:

- A stakeholder engagement plan to help deliver the actions.
- A set of tools, procurement mechanisms and funding sources to use in collaborative projects.
- An overall reduction of Hertfordshire's carbon footprint which maximises opportunities in the environmental, social, and economic sectors.
- Residents, businesses, and community groups acting alongside the Partnership to achieve Net-Zero.

9. Main Actions themes

9.1 Reducing carbon emission through retrofitting buildings by:

- Understanding the range of levers, stakeholders, approaches, and interventions already in development/delivery, aligning and adding value to current activity.

- Empowering stakeholders to develop an upskilled workforce to provide the necessary sustainable buildings, technologies, and jobs, to ensure ambition can be matched by delivery in coming years.
- Identifying opportunities for investment and development to accelerate activity, reducing energy demand, increasing the green economy, and improving the health and wellbeing outcomes of Hertfordshire residents and businesses.

9.2 Improving Net-Zero Standards for new buildings

- Establishing or amplifying clear communication channels for stakeholders to progress their part in the developers' supply chain and share approaches from across the country.
- Working with stakeholders to lobby government to accelerate buildings regulations and standards towards net zero.

9.3 Developing a Hertfordshire Area Energy Plan for the County by 2024/25

- Contributing to the Hertfordshire Area Energy Plan. Hertfordshire Growth Board will be the public face of the Hertfordshire Area Energy Plan (HAEP), lobbying government, power 'generators' and investors to help deliver the measures identified in the HAEP and the consequential benefits.
- Providing energy baseline to base scenarios on how to best decarbonise the grid for the Hertfordshire population.
- Collaborating to identify stakeholders and providing relevant information to expedite the project when necessary.
- Assessing local energy pathways (and commenting on the progress of the assessment and proposed pathways) to ensure deliverability and alignment with net zero targets.
- Assessing what further projects can be assisted by HCCSP.

9.4 Offsetting the emissions that cannot be reduced by

- Setting out what is meant by offsetting, how this relates to carbon credits and internal carbon sequestration approaches.

- Developing a clear policy to facilitate effective, compliant, and monitored offsetting, prioritising 'in county' projects.
- Coordinating expertise and best practice protocols to create policy guidance for local authorities that will benefit local economy and coordinate offset and inset carbon for Hertfordshire.
- Investigating insetting: the difference to offsetting, its application and definition.

10. Role of Local authorities and HCCSP

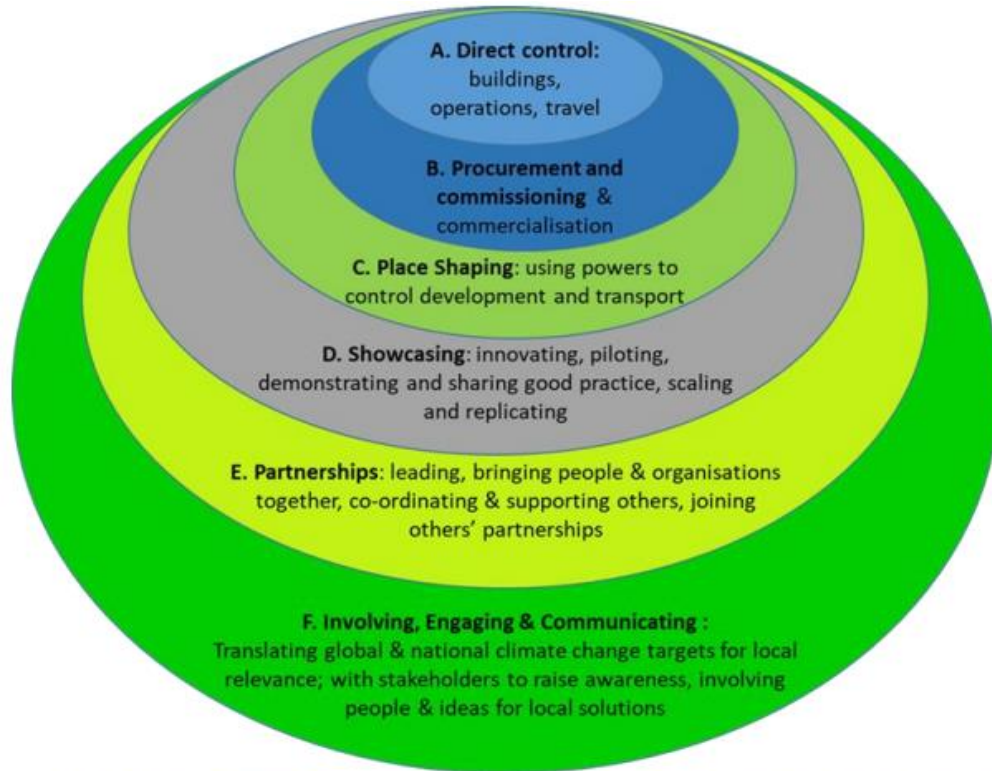
- Climate change is the greatest challenge facing our society. There is a need and statutory obligation (Climate Change Act 2008) on councils to prepare for and minimise the longer-term impacts of climate change. This is reinforced by expectations for community resilience and business continuity by service users, residents and businesses.

10.1 Role of Local Authorities

- As local authorities we are responsible for the services we provide, with many being functions that are required by legislation and the services delivered on our behalf. We cannot tackle the issues related to climate change alone.
- Hertfordshire is comprised of 11 local authorities; the county council, Hertfordshire LEP (now part of Hertfordshire County Council) and 10 district and borough councils, Hertfordshire LEP. We are committed to working collaboratively to make a real difference.
- There are over 1.2 million people living and working in Hertfordshire and about 69,700 businesses (2021 Herts Insight). Collaboration between local authorities (county council, the county's district and borough councils) and other public organisations, communities and local businesses, is necessary to deliver the services sustainably and enable and inspire others to take action.
- As local councils, our strongest influence is over our own services and activities: those functions that we are responsible for delivering, for example the preparation of local plans, determining planning applications, procuring goods and services.

However, there is a clear acknowledgment that local authorities have a much wider scope of influence, as illustrated in figure5.

Figure 5 – Local Authorities spheres of influence as described by the Centre for Sustainable Energy.



Source: Coxcoon, R. & Roberts, S. (2020) *Climate Action Planning Tool for Local Authorities*, Centre for Sustainable Energy. <https://www.cse.org.uk/news/view/2541>

- Local Authorities are increasingly ambitious in their plans to tackle climate change. As of March 2024, nine out of the ten local authorities across Hertfordshire have declared climate emergencies with associated targets. Many have developed plans to deliver against these ambitious Net Zero targets or are in the process of developing them.

10.2 Role of HCCSP

- HCCSP has a strategic remit with an overarching mission to be the lead organisation to enable HGB to fulfil its Sustainable County Mission and through which the county's local authorities and the Local Enterprise Partnership (now part

of the County Council's economic function) can work collaboratively on environmental, climate change and wider sustainability issues.

- HCCSP's role is further clarified in its Terms of Reference which can be viewed on the HCCSP website. HCCSP has a role to play as a strategic convener, preparing and sharing content to respond to Central Government and other consultation exercises. This may be as individual partners, via professionally recognised bodies or organisations (such as the Association of Directors of Environment, Economy, Planning & Transport (ADEPT) or the Chartered Institute of Environmental Health (CIEH)), or as a collective response via the Partnership.
- Local authorities have a range of existing levers that can be used to deliver local action that reduces emissions and prepares local areas for a changing climate. The Partnership is enhancing coordination and leadership in the sustainability sphere. Similarly, local authorities are being approached by businesses at all levels who wish to understand how they can fulfil statutory obligations and expecting local authorities to be at the forefront of these strategies.
- There are also other routes via the Local Government Association, which provides a voice for local government on the national stage, lobbying on councils' key priorities as they work with parliamentarians to inform debates, support the scrutiny of legislation, and engage with select committees and all-party parliamentary groups. HCCSP and partners, may wish to respond via the Regional Climate Change Forum, the LGA Climate Action Group or the wider LGA.
- HCCSP will continue to establish a comprehensive and evolving stakeholder map to help contribute to the effective awareness and delivery of the identified actions.
- Previous and achieved work can be found on the website [Progress \(hccsp.org.uk\)](https://www.hccsp.org.uk/progress)
- This is an evolving document that will be regularly reviewed and updated as necessary



11. 2023 actions and targets

Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
HCCSP – C1. Hertfordshire Public Authorities to lead on CO ₂ e measurements and measures						
C1.1	Reporting on Hertfordshire CO ₂ e emissions.	HCCSP to provide a baseline and annual report based on DESNZ annual emissions estimations. Will consider embodied carbon in the future.	HCCSP	Hertfordshire CO ₂ e baseline and annual emissions is shared and linked to our effort in tackling 1.5dC. This is linked to Herts Insight dashboard and will inform the Growth Board on their sustainable action goal 1 to track and report on sustainability outcomes.	Annual / August	Amended from previous action plan C1
C1.2	Targeting Net Zero	Based on evidence create a roadmap to reduce CO ₂ e to Net-Zero for Hertfordshire	HCCSP	Roadmap with LAs targets, Annual emissions, when relevant impacts from actions, current policies.	December 2024	New



Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
C1.2	Provide a “boiler plate” sustainable procurement criteria section for HCCSP members to use in tenders.	Assess and share sustainable procurement criteria, share best practice/ criteria with other Local Authorities for them to consider adopting.	HCCSP	Number of LAs using best practice criteria in procurement.	Annual	Amended from previous action plan (C2-C6)
C1.3	Local Authorities (LAs) resource is more efficient, and LAs officers consider sustainability within their work.	Ensure LAs officers are regularly updated on latest approaches of low carbon technologies, through HCCSP attending and presenting at relevant subject-specific officer groups and sharing appropriate training resources.	HCCSP existing LA’s officers’ groups	Number of presentations to the LAs groups. Number of actions being developed on the back of such meetings.	Annual reporting	Amended from previous action plan (C9-C10)
C1.4	Provide “boiler plate” sustainable development policies for the local planning authorities in Herts	Distribute and promote the Hertfordshire Development Quality Charter to HCCSP network and enhance best	HCCSP	Hertfordshire Development Quality Charter shared.	March 2024 and March 2025	Retain (C14-15)



Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
		practice CO ₂ e reduction criteria.		HCCSP partners have adopted the best practice criteria.		
HCCSP C2. Stakeholder mapping on roles and responsibilities of key players in county's net zero ambitions						
C2.1	Main stakeholders operating and impacting on net-zero ambition are identified	Developing a stakeholder mapping plan to facilitate progressing net zero actions,	Carbon HCCSP Sub-Group	Stakeholder map.	July 2024	New
C2.2	Increase collaboration between stakeholders and HCCSP	Collate and understand scope and scale of HGB sustainability activities to determine appropriate tracking mechanisms.	Carbon HCCSP Sub-Group	Number of engagements achieved; number of actions set and terms of reference.	July 2024	New
C2.3		Increase communication, engagement with all existing network to identify actions that can be taken forward by the relevant network.	HCCSP	Number of communications shared, measure engagement and actions taken forward.	Annual reporting	New
HCCSP C3. Accelerate retrofit measures to facilitate CO ₂ e reduction across Hertfordshire						



Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
C3.1	Expand current knowledge base and establish baseline.	Identify ongoing retrofit work to promote, inform relevant stakeholders and provide a baseline from which to measure.	HCCSP	Baseline on retrofit and annual retrofit measurements.	Annual reporting	New
C3.2		Engage with the Behaviour Change Sub-Group to identify barriers to retrofit for different audiences.	Carbon HCCSP Sub-Group	Behaviour Change study delivered.	March 2024	New
C3.3		Identify gaps and issues where the partnership is best placed to develop actions on. Provide the county retrofit stakeholders with an overview of where gaps and opportunities lie.	Carbon HCCSP Sub-Group	SWOT analysis delivered to stakeholders	June 2024	New
HCCSP C3.4	Resources for residents and businesses to deliver retrofit.	Identify tools that would facilitate residential, and businesses retrofit depending on the audiences (residents,	Carbon HCCSP Sub-Group	Options appraisal presented. Next steps identified.	August 2024	New

Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
		businesses, workforce, training organisation, professionals).				
C3.5		Investigate funding opportunities to leverage actions: group procurement, green finance for the community and professionals to deliver on retrofit.	Carbon HCCSP Sub-Group	Options appraisal presented. Next steps identified.	September 2024	New
C3.6	HCCSP online hub for retrofit.	Development of a retrofit hub to suit needs for buildings owners within Hertfordshire, working with existing initiatives eg Three Rivers DC	HCCSP	Number of engagements including feedback on the Hub website	2025	New
C3.7	HCCSP online hub for retrofit for tenants and occupiers	Addition of content to suit needs for tenants and occupiers in Hertfordshire	HCCSP	Number of engagements on Hub tenancy pages	2025	New
HCCSP C4. Accelerate sustainability standards in New Buildings to facilitate CO ₂ e reduction across Hertfordshire						
C4.1	Expand current knowledge base.	Engage with the Behaviour Change Sub-Group to	Carbon HCCSP Sub-Group	Behaviour Change study delivered	March 2024	New



Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
		understand current barriers and how best to increase sustainable development within Hertfordshire.				
C4.2	Central government to be engaged in 'levelling the playing field'	Lobby central government on buildings (private and public) net-zero regulations.	HCCSP	Lobbying delivered through consultations and other stakeholder mechanisms.	Annually	New
C4.3	Local Planning	Provide support as requested, collating best practice from within and beyond the county to inform policy guidance towards Net Zero.	HCCSP	Planners and developers are engaged / aware.	Annually	New
HCCSP C5. Develop a Hertfordshire Area Energy Plan						
C5.1	HCCSP to deliver on the county energy plan	Identify HCCSP role in developing the Hertfordshire Local Area Plan (HAEP) as described in the Hertfordshire Growth Board. The plan will follow guidance from catapult	HCCSP	Report with an energy baseline and future scenarios. Number of actions /projects developed from the plan.	September 2024	New



Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
		and experience shared by other local authorities.		Main stakeholders engaged.		
C5.2	Low carbon energy measures and guidance. Links to C4	Engage with the Behaviour Change Sub-Group to understand how best to increase low carbon energy generation within Hertfordshire, following the carbon hierarchy.	Carbon HCCSP Sub-Group	Behaviour Change study delivered	September 2024	New
C5.3	Energy Opportunity for Hertfordshire	Ensure opportunity for different type of generation and, energy storage is considered to respond to future demand and create reliable energy for the county.	Carbon HCCSP Sub-Group	Included in the HEAP report at first.		
HCCSP C6. Exploring offsetting and insetting for Hertfordshire						
C6.1	Understanding offsetting and insetting for LAs.	Exploring offsetting and insetting best practice guidance, whether delivered	Carbon HCCSP Sub-Group	Report	March 2024	New

Number	Theme /Outcome	Action	Lead Organisation(s) who will deliver the action	Targets or indicators; means of measuring progress	Timeframe for delivery	Status: Amended / Retain / New
		by local authorities or on a county-wide scale.				
C6.2	Develop quality insetting at scale to reach net-zero ambitions	Share best practice guidance between local authorities for them to consider standard approaches. eg Three Rivers DC	Carbon HCCSP Sub-Group	Report. list of possible measures for Hertfordshire.	July 2024	New
C6.3	Existing schemes opportunities to reach net-zero ambitions	Assess existing schemes within the county that can be utilised by local businesses for carbon offsetting.	HCCSP	Report	July 2025	New
C6.4	Develop quality insetting at scale to reach net-zero ambitions	Work with strategic partners at HGB, RCCF and other bodies to investigate an approach to quantifying value and process for countywide insetting policy for Hertfordshire.	HCCSP	Report	December 2024	New

12. Funding

12.1 It is expected that the primary cost associated with these actions will be in the form of officer time: the HCCSP Coordinator, the HCCSP Sub-Group (member County/District Council officers) alongside the stakeholders' progressing of their own actions.

12.2 It is likely to be within the interests of stakeholders to collaborate on bids to support delivery on actions which meet strategic objectives.

12.3 HCCSP regularly monitors funding opportunities and eligibility criteria for government schemes, sharing them to partners to maximise opportunities to increase budgets.

13. Version Control

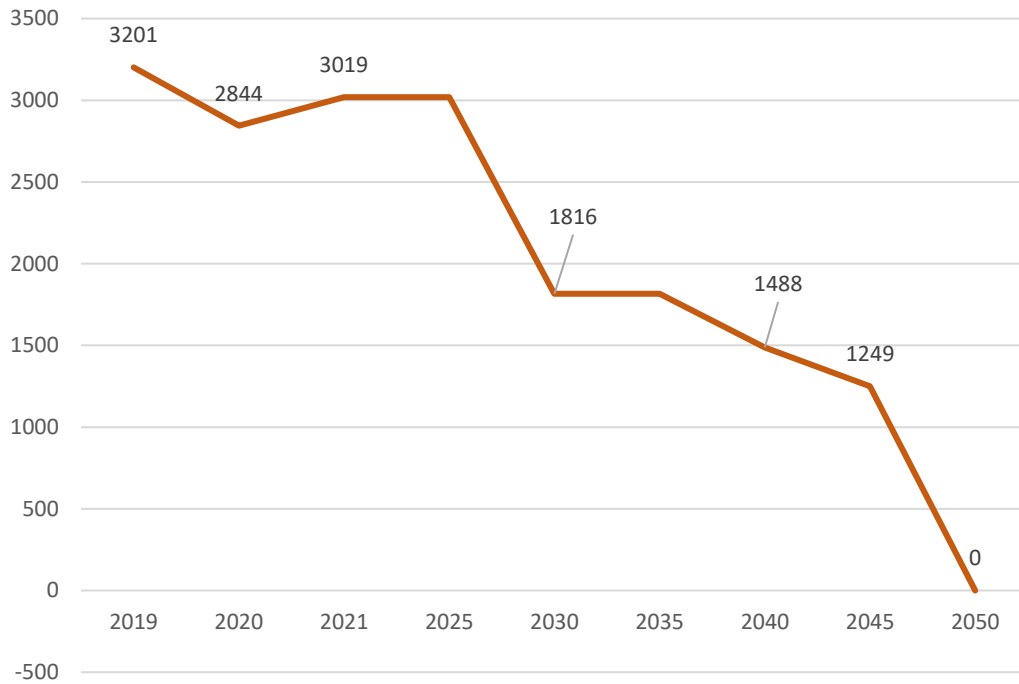
Version Number	Summary of amendments	Approved by HCCSP
Version 1.1	Upload first version to website	August 2021
Version 1.2	Amendments to align numbering scheme for actions across HCCSP; Updating timelines and achievements including legislation passing from draft to law	March 2022
Version 2.0	New SMART actions with update on previous actions in appendix. Edited summary of influence aims and strategy.	September 2023
Version 3.0	New SMART actions with feedback from members and November Stakeholder event. Edited taking into account the Growth Board Missions	May 2024

14. Annexe 1 – Local Authorities CO₂e emissions reduction targets

Local Authority	Own Operation Target	Territorial Target
Broxbourne Council	2050	n/a
Dacorum Borough Council	2030	2050
East Herts District Council	2027	2030
Hertfordshire County Council	2030	2050
Hertfordshire LEP (now part of Hertfordshire County Council)	n/a	2050
Hertsmere Borough Council	2050	2050
North Hertfordshire District Council	2030	2040
St Albans	2030	2030
Stevenage Borough Council	2030	2030
Three Rivers District Council	2030	2045
Watford Borough Council	2030	2030
Welwyn Hatfield Borough Council	2030	2050

14.1 Current target - Partners of HCCSP have individually determined their net-zero targets' dates (Annexe 1) which can be reflected into a pathway towards net-zero emission by 2050¹.

Figure 5 - Net-Zero trajectory (excluding transport emissions) using DESNZ data estimate within the scope of influence of Local Authorities in ktCO₂e



¹ UK local authority and regional CO₂e national statistics, 2005 to 2021
<https://www.gov.uk/government/collections/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics>

15. Annexe 2 – Previous Actions 2021

Reference	Theme	Action	Organisation(s) who will deliver the action.	Timeframe for delivery inc. intermediary milestones where appropriate	Status: Complete/ Amend / Redundant / Retain	Update on progress
C1	To increase consistency in carbon emissions accounting across HCCSP members	To produce a guidance note to provide advice on carbon accounting for local authority operations. Follow up with training for HCCSP Officers requesting assistance in implementation.	HSOG	2020/21	Amend C1.1	Partly COMPLETED
C2		Procuring – carbon embedding calculation. Support / share with procurement teams as how			Amend C1.2	



Reference	Theme	Action	Organisation(s) who will deliver the action.	Timeframe for delivery inc. intermediary milestones where appropriate	Status: Complete/ Amend / Redundant / Retain	Update on progress
		to evaluate carbon impact/ before the procurement and evaluation after. Embedding carbon accountancy into procurement. Providing carbon criteria (to link with other HCCSP groups) to existing and new frameworks/ procurement within LAs.				
C2	To imbed the practice of low carbon	To produce guidance notes to demonstrate best practices in Local authority	HSOG	2022/23 Financial Year	RETAIN – Delayed C1.2	Postponed due to energy crisis and advice to not



Reference	Theme	Action	Organisation(s) who will deliver the action.	Timeframe for delivery inc. intermediary milestones where appropriate	Status: Complete/ Amend / Redundant / Retain	Update on progress
	procurement within HCCSP	renewable energy/energy efficiency procurement.				change providers any time soon.
C3	To imbed the practice of low carbon procurement within HCCSP members	Share Sustainable Procurement Strategy from HCC to Partners for consideration to adopt	HSOG	2021/22	Amend C1.2	DELAYED: Sustainable Procurement Strategy forthcoming from HCC.
C4	To imbed the practice of low carbon procurement within HCCSP members	To produce guidance notes to demonstrate best practices in Sustainability Impact Assessments in decision making	HSOG		Amend C1.2	



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C5	To imbed the practice of low carbon procurement within HCCSP members	To produce guidance notes to demonstrate best practices in Utilisation of BEIS’s Energy Technology List	Hertfordshire LEP	2021/22	COMPLETE	COMPLETED -On LEP’s website here: https://www.herts-iq.co.uk/10-tips-to-help-your-business-reach-carbon-net-zero/
C6	To imbed the practice of low carbon procurement within HCCSP members	To develop joint procurement frameworks where these can best achieve more effective action for delivery of carbon reduction	HSOG		Amend C1.2	



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C7	To brief local authority staff and members on importance, role and delivery of environmental sustainability and mitigation of climate change	HCCSP to arrange for delivery of training to local authority staff and members, providing education on climate change and sustainability initiatives to be adopted at work/ delivering services where requested by LA members	HCC	2021/2022 - ongoing	COMPLETE	Available on YouTube
C8	To brief local authority staff and members on importance, role	Deliver a web-based version of training that is easily accessible for all staff	HSOG		COMPLETE	Available on YouTube



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	and delivery of environmental sustainability and mitigation of climate change					
C9		To make latest knowledge available, training to facility / finance / planners? managers in terms of low carbon. Knowledge repository to be tailored to various audiences?			Retain C 1.3	

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C9	To increase training opportunities to ensure that HCCSP members are in the position to adopt new carbon reduction technology and best practices when applicable	To investigate provision of regular technology/best practice briefings for facility managers and planners for new and existing technologies such as heat pumps, energy efficiency measures, and other renewable energy technologies.	HSOG	To begin in the 2021/22 financial year and to be ongoing	Retain C1.3	Work with Planning (Sara Saunders) to identify opportunities and share.
C10	To increase training opportunities to	Recording best practices and learning from projects in a central repository	HSOG	To begin in the 2021/22 financial year	Retain C 1.3	HCCSP considering options for a



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	ensure that HCCSP members are in the position to adopt new carbon reduction technology and best practices when applicable			and to be ongoing		central database password protected and housed on HCCSP website.
C11	To maximise the purchasing power of HCCSP members to deliver low carbon,	To identify opportunities for bulk purchasing agreements for local authorities	HSOG	2021/2022 Financial Year	COMPLETE	Implemented, HSOG discusses these opportunities regularly.



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	sustainable infrastructure					
C12	To maximise the purchasing power of HCCSP members to deliver low carbon, sustainable infrastructure	To identify opportunities for bulk purchasing agreements for local authorities		2021/2022 Financial Year	Complete	Implemented, HSOG discusses these opportunities regularly.
C13	To identify new forms of financing major regeneration and sustainable low	To prepare a report detailing market analysis and make recommendations for potential benefits from utilisation of financial	HSOG	2022/2023 Financial Year	Cancel – Delay to later date	



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	carbon infrastructure development projects	instruments such as green municipal bonds for Hertfordshire local authorities				
C 14	Priority: To seek to standardise planning regulations/policies for HCCSP members to encourage low carbon, sustainable development	To develop a checklist of climate change and carbon reduction criteria for potential agreement and implementation by all HCCSP members	HSOG/ Hertfordshire Planning Group/Development Managers	Agreement by 2022/2023 Financial Year, implementation as per local planning timelines	Retain in C1.4	To be replaced by Sustainable Development Charter – forthcoming summer 2023



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C15	To seek to standardise planning regulations/policies for HCCSP members to encourage low carbon, sustainable development	To develop a template for a sustainability SPD which can be adopted by LPAs, if required.	HSOG/ Hertfordshire Planning Group/Development Managers		Retain in C 1.4	
C16	To identify mechanisms to deliver carbon reduction/major energy efficiency	To identify and deliver carbon reduction improvements to the domestic housing sector through establishment of	Local authorities /HSOG/Housing Associations/BRE	Starting 2021/22 with delivery as mechanisms arise	Retain C 2.	Has been achieved in part through Solar Together and similar.



Reference	Theme	Action	Organisation(s) who will deliver the action.	Timeframe for delivery inc. intermediary milestones where appropriate	Status: Complete/ Amend / Redundant / Retain	Update on progress
	improvements through establishment of joint working partnerships between local authorities and delivery agencies	joint working partnerships, contracts and projects to deliver on the ground action through economies of scale upon securing funding.				
C17	To support and encourage the uptake of existing energy efficiency and renewable energy generation	HCCSP to assist in promotion and marketing of government schemes such as ECO-Flex and Low Carbon Workspaces in Hertfordshire	HSOG/Hertfordshire LEP	Starting 2021/2022 Financial Year, ongoing action	COMPLETE	Collaboration has happened through eg Sustainable Warmth Board



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	schemes across Hertfordshire					
C18	To encourage Hertfordshire’s public, private and third sector commitment to making substantial changes to reduce their carbon footprint	To support a carbon reduction pledge that businesses and organisations can sign up to, committing themselves to take 3 strong actions	HSOG/ Hertfordshire LEP/Hertfordshire CVS Group	2022/2023 Financial Year – initial launch	Remove	This is not HCCSP remit
C19	To facilitate development of green skills in	Retrofit – To facilitate partnerships between renewable	Hertfordshire LEP/Hertfordshire	2021/2022 Financial Year– for initial	Partly completed.	Update and progress on this action via the LEP.

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	Hertfordshire to ensure local community and business sector are “low carbon ready”	energy/low carbon companies, education providers, youth and community centres, professionals and industries based in Hertfordshire to identify gaps in green skills and develop way forward to ensure that local business economy is ready to transform and deliver low carbon solutions and infrastructure	e Youth Connexions	roundtable discussions		



Reference	Theme	Action	Organisation(s) who will deliver the action.	Timeframe for delivery inc. intermediary milestones where appropriate	Status: Complete/ Amend / Redundant / Retain	Update on progress
		Promotion and awareness, providing resources/funding for courses.				
C20	To help Hertfordshire businesses to transform, reduce carbon and meet climate change targets by delivery of relevant supportive information and access to green	To seek to deliver a ‘Net Zero Business’ campaign for businesses - Work with business support network partners, the LEP and Hertfordshire Growth Hub to develop a ‘Net Zero Low Cost’ campaign that will signpost businesses to the Growth Hub for green support and advice.	Hertfordshire LEP	To begin in 2021/2022 upon lifting of Covid-19 restrictions	COMPLETE	To be monitored by the LEP

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	related funding information					
C21	To engage with key high energy using businesses keen to transform for quick business zero carbon wins	To set up a local business forum, with an energy expert facilitator, to design and deliver a Hertfordshire wide focussed zero carbon key action checklist.	HSOG/Hertfordshire LEP	To begin in 2022/2023 upon lifting of Covid-19 restrictions	Remove	Partly included in C2
C22	To engage with key high energy using businesses keen to transform for quick	To establish a High Energy Users Group – to enable sharing of exemplar energy reduction initiatives/best practice between high energy users	HSOG/Hertfordshire LEP	To begin in 2022/2023 upon lifting of Covid-19 restrictions	Remove	Not HCCSP remit



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	business zero carbon wins					
C23	To support and grow the low carbon environmental goods and services (LCEGS) businesses in Hertfordshire	To encourage green growth inward investment by actively promoting the opportunities for green businesses into our sector clusters and clean tech incubator space	Hertfordshire LEP, Hertfordshire Innovation Quarter		Remove	Not HCCSP remit