

10 February 2023

Our Ref Cabinet Panel on the Environment/22
February 2023
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To: Members of the Committee: Councillors Amy Allen (Co-Chair), Steve Jarvis (Co-Chair) ,
Carol Stanier, Chris Hinchliff, George Davies, Gerald Morris, Juan Cowell, Michael Muir and
Val Bryant

Substitutes: Councillors Kay Tart, Richard Thake, James Denselow, Claire Strong and
Tom Tyson

NOTICE IS HEREBY GIVEN OF A

MEETING OF THE CABINET PANEL ON THE ENVIRONMENT

to be held as a

REMOTE MEETING

On

WEDNESDAY, 22ND FEBRUARY, 2023 AT 7.30 PM

Yours sincerely,

Jeanette Thompson
Service Director – Legal and Community

****MEMBERS PLEASE ENSURE THAT YOU DOWNLOAD ALL AGENDAS AND REPORTS VIA THE MOD.GOV APPLICATION ON YOUR TABLET BEFORE ATTENDING THE MEETING****

Agenda **Part I**

Item		Page
1. APOLOGIES FOR ABSENCE	Members are required to notify any substitutions by midday on the day of the meeting. Late substitutions will not be accepted and Members attending as a substitute without having given the due notice will not be able to take part in the meeting.	
2. MINUTES - 11 JANUARY 2023	To take as read and approve as a true record the minutes of the meeting of the Committee held on the	(Pages 5 - 10)
3. CHAIR'S ANNOUNCEMENTS	Members are reminded that any declarations of interest in respect of any business set out in the agenda, should be declared as either a Disclosable Pecuniary Interest or Declarable Interest and are required to notify the Chair of the nature of any interest declared at the commencement of the relevant item on the agenda. Members declaring a Disclosable Pecuniary Interest must withdraw from the meeting for the duration of the item. Members declaring a Declarable Interest, wishing to exercise a 'Councillor Speaking Right', must declare this at the same time as the interest, move to the public area before speaking to the item and then must leave the room before the debate and vote.	
4. NOTIFICATION OF OTHER BUSINESS	Members should notify the Chair of other business which they wish to be discussed at the end of either Part I or Part II business set out in the agenda. They must state the circumstances which they consider justify the business being considered as a matter of urgency. The Chair will decide whether any item(s) raised will be considered.	
5. PUBLIC PARTICIPATION	To receive petitions, comments and questions from the public.	
6. SUSTAINABILITY SUPPLEMENTARY PLANNING DOCUMENT (SPD)	To outline the intended scope and process for producing a Sustainability SPD in support of the new Local Plan and to seek any views from the Panel	

**7. INFORMATION NOTE: WORK PROGRAMME AND ACTION TRACKER
FOR 2022/23**

(Pages
11 - 24)

This note highlights proposed items scheduled in the work programme for the Cabinet Panel on the Environment for 2022/23, agreed at the initial meeting.

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Public Document Pack Agenda Item 2

NORTH HERTFORDSHIRE DISTRICT COUNCIL

CABINET PANEL ON THE ENVIRONMENT

MEETING HELD IN THE REMOTE MEETING ON WEDNESDAY, 11TH JANUARY, 2023 AT 7.30 PM

MINUTES

Present: *Councillors: Councillor Amy Allen and Councillor Steve Jarvis (Chair), (Vice-Chair), Carol Stanier, Chris Hinchliff, George Davies, Gerald Morris and Val Bryant*

In Attendance: *Reuben Ayavoo (Policy and Community Manager), Georgina Chapman (Policy Officer), Caelan Ballard (Committee Clerk), Frank Harrison (Environmental Health Manager), Matthew Clark (Clean Air Programme Manager), Roger Pitman (Air Quality Consultant)*

Also Present: *At the commencement of the meeting approximately 5 members of the public, including registered speakers.*

55 APOLOGIES FOR ABSENCE

Audio recording – 2 minutes 56 seconds

Apologies for absence were received by Councillor Michael Muir and Councillor Juan Cowell.

56 MINUTES - 19 OCTOBER 2022

Audio recording – 3 minutes 5 seconds

Councillor Amy Allen proposed and Councillor Steve Jarvis seconded and it was:

RESOLVED: That the Minutes of the Meeting of the Committee held on 19 October 2022 be approved as a true record of the proceedings and be signed by the Chair.

57 CHAIR'S ANNOUNCEMENTS

Audio recording – 3 minutes 41 seconds

- (1) The Chair welcomed those present at the meeting, especially those who had attended to give a presentation;
- (2) The Chair advised that, in accordance with Council Policy, the meeting would be audio recorded as well as filmed;
- (3) The Chair drew attention to the item on the agenda front pages regarding Declarations of Interest and reminded Members that, in line with the Code of Conduct, any Declarations of Interest needed to be declared immediately prior to the item in question.

58 NOTIFICATION OF OTHER BUSINESS

Audio recording – 4 minutes 28 seconds

There was no other business notified.

59 **CABINET PANEL ON THE ENVIRONMENT - INFORMATION NOTE**

Audio recording – 4 minutes 42 seconds

The Chair invited Georgina Chapman, Policy Officer, to present.

Ms Chapman thanked the Chair, gave a presentation and advised:

- The Hertfordshire Climate Change and Sustainability Partnership (HCCSP) is made up of ten districts, Hertfordshire County Council and the Local Enterprise Partnership.
- HCCSP had asked the Council to review the four action plans for Water, Biodiversity, Carbon Reduction and Transport and to present the updated version of the plans.
- This update would include updated contacts, archived actions and delivered actions. All of the targets will be updates using the SMART format.
- The Council had also reviewed the Climate Strategy Plans of other Local Authorities to see how we can partner with local community action groups.
- NHDC was leading in the biodiversity sub-group. We have created a new plan of action and meetings would reconvene on Wednesday 18 January 2023.
- North Hertfordshire's Solar Together bulk scheme had now ended. As a district, there had been 2,262 expressions of interest, which was one of the highest rates in the area.
- Out of those expressions of interest, 410 people had accepted offers and installations had started.
- All installations would be completed by April 2023, and weekly updates covering installation and issues would be received.
- 107 people who already had solar panels installed expressed interest in battery storage. Eighteen of those also accepted their offer.
- As a county, Hertfordshire had 10% more expressive interest than was expected which totalled around 13,000 expressions of interest.
- The Council was awaiting data from iChoosr, the company running this scheme with Local Authorities. This data would illustrate the locations of interest and acceptance within the District.
- The Heritage Foundation had an additional application process for any residents interested in Solar Panels.
- The Behaviour Change subgroup was continuing its work and are due to take a paper to HCCSP.
- The Adaptation subgroup is continuing to identify Climate risks across different areas in the County whilst working with relevant Councils.
- The Council has looked to produce a summary of the Council's Carbon Emission reports completed over the last couple of years. This will give the Council a baseline of Carbon Emissions. This summary would give a baseline for carbon emissions in an accessible format with current Carbon-saving figures. This would be presented to the Cabinet Panel on completion.
- Some items on the Action Tracker were on hold due to the COVID pandemic. This would be reviewed at the start of the Civic Year in May, in collaboration with other Cabinet Panels to find the best way forward.

In response to a question from Councillor Chris Hinchcliff, the Policy Officer advised that:

- iChoosr had collected data as to why some residents rejected their Solar Panel offers.
- Overall, cost was the largest factor affecting participation in the Scheme.

RESOLVED: That the Committee note the information report.

60 PUBLIC PARTICIPATION

Audio Recording- 13 minutes 30 seconds

The Chair invited Matthew Clark, Clean Air Programme Manager, to give a presentation.

Mr Clark thanked the Chair and gave a presentation, with slides and advised:

- Hertfordshire County Council (HCC) had a commitment to clean air. There were currently 22 Air Quality Management Areas (AQMAS) in Hertfordshire, which are areas likely to exceed legal pollution levels.
- In Hertfordshire, Nitrogen Dioxide levels exceeded the legal limit by 40%. Vehicle use was the biggest contributor to this.
- Particulate Matter 2.5 (PM2.5) exceeded the legal limit of 10µg in some areas of Hertfordshire.
- PM2.5 levels had significant and long-term impacts on health and exposure had been linked to certain cognitive impairments such as Dementia, skin conditions, lower sperm quality and was also known to both cause and exacerbate respiratory illnesses such as Asthma and COPD.
- Off the back of The Environment Act 2021, the UK Government had set a target of 10µg of PM2.5 as an annual average by 2040.
- Transport accounted for over 70% of PM2.5 in Hertfordshire with construction, manufacturing and domestic burning also contributing.
- HCC were currently running a part DEFRA funded communications campaign, called 'Lets Clear the Air'.
- The campaign included new graphics being added to buses in Hertfordshire to combat Car Idling, as well as posters to discourage Fuel Burning. Information the public of a free Air Pollutant Alert service run by HCC was also added.
- HCC was also in the final development stages of producing a county-wide Air Quality Model. The Model will give Nitrogen Dioxide, Particulate, and Carbon emission predictions across Hertfordshire, and would provide a baseline for pollutants across the county. The model would also give residents a clear view of what air quality would look like in 15 years if no action is taken.
- This Air Quality Model would be available for all districts and boroughs in Hertfordshire.
- HCC had also produced a comprehensive Air Quality Action Prioritization map of the North Hertfordshire District. This map would be of use to groups such as the County Council's Targeted Highway Urban Tree Planting team.
- HCC continued to act against air pollution through measures such as considering such as cleaner air action, air purification trials and AGMA management schemes.
- In addition to this, the Countryside and Rights of Way had approved and prioritised the planning of a new active-travel off-road route for the Highfield school in Letchworth. The route would reduce the exposure children have to air pollution from the main road.
- Further information can be found on 'Let's clear the air' webpages.

The following Members and members of the public asked questions:

- Roger Lovegrove
- John Webb
- Gilly Chegwyn
- Councillor Gerald Morris
- Councillor Steve Jarvis

In response to the questions, Mr Clark advised:

- The PM2.5 pollution guideline limit was currently set at 2.5 microns and below. As of 2021, the legal limit in the UK for PM2.5 pollution was 10µg per cubic meter, which must be achieved by 2040. There was no safe level for particulate pollution.
- PM2.5 pollution does not act in the same way as other air pollutants. The further you get from PM2.5 sources, dilution occurs.
- There was research that showed that car tyres release 4kg of particulate matter. Electric Vehicles are heavier than internal combustion engine vehicles and were likely to release more particulate matter.
- It was difficult to enforce an anti-idling policy for all buses in Hertfordshire, but the current campaigning was helping to raise this agenda.
- It was unsure whether the public will be able to use the new off-road route between Hitchin and Highfield.
- Much of the air pollution in North Hertfordshire was not caused by air traffic from the local Luton Airport, but rather because of road traffic.
- The role of Clean Air Programme Manager was quite unique within a County Council at a two-tier level authority, and the pay check is funded by the Sustainable Hertfordshire Team and by the Public Health team. It was likely that there are similar roles in other County Councils, as well as Clean Air specialists.
- In cities like London, there is still a significant amount of Domestic Solid Fuel Burning. Needless burning needs to be reduced, particularly by those who burn needlessly.

The Chair thanked Mr Clark for his presentation.

The Chair invited Roger Pitman, Air Quality Consultant, to give a presentation.

Mr Pitman thanked the Chair, gave a presentation and advised:

- Annual Status Reports (ASR) were a requirement as part of the Environment Act 2021. The report focus on areas where air pollution is particularly significant. Main roads were the greatest source of air pollution in most Local Authorities.
- Historically the amount of air pollution in North Hertfordshire had shown up as 'Poor' in a couple of areas within Hitchin . There were several declared Air Quality Management Areas (AQMA's) in Hitchin, such as Stevenage Road and Payne's Park. These both had excessive amounts of Nitrogen Dioxide.
- Air quality had improved significantly in these areas. Due to this these areas could be put forward to have their AQMA status revoked.
- Another key aspect of the ASR was the Air Quality Action Plan.
- The Climate Emergency had 3 priorities: Taking Action, an assessment into North Hertfordshire's Carbon emissions and a 'Road Map to Net Zero'.
- 'Taking Action' included actions such as: switching to green energy and electric vehicles, providing new cycling facilities and tree planting.
- Further actions to be implemented included zero-emission council vehicles, working from home models for staff and providing a better cycling route network around the district. Residents could be encouraged to change their own behaviours through the Council.
- Overall, measures to reduce Climate Change were usually in tandem with measures to improve Air Quality.
- There had been an introduction of a new measure in Hitchin called the Eco Stars scheme. It is centred on freight and delivery management and engages with businesses in the industrial estate to promote low-emission transport. As this measure had a reasonable uptake, this could be extended over Hitchin.

The following Members and members of the public asked questions:

- Councillor Amy Allen
- Councillor Steve Jarvis
- Roger Lovegrove

In response to the questions, Mr. Pitman advised:

- Schools and residential areas surrounding Payne's Park and Stevenage Road in addition to an inadequate level of air quality was a significant factor these areas becoming AQMAs. There can be further measures where possible and practical to reduce further transport to and from schools, but they also must reflect the road network and the geography of the area. Further measures could be implemented to reduce further transport, but road network and geography of area must be considered.
- The improvement of vehicle performance and vehicle emissions had been factored into the improvement of air quality within these AQMAs. In the last 10 years there had been a 40% decrease in Nitrogen Dioxide emissions, which proved how much the air quality has improved in recent years,
- Reducing the Particulate Matter in the air remained a priority due to the severe health implications it brings. PM2.5 was harder to reduce as an air pollutant because it was mostly caused by private vehicles and solid fuel burners.
- People would be most exposed to air pollution in larger urban areas so traffic management was a priority. Implementing low-traffic neighbourhoods and clean-air zones would be feasible in some town centres.

Frank Harrison, Environmental Health Manager, further advised:

- The Council were at the beginning of implementing local pollution measures, and were in a position to work with HCC, other Local Authorities and Councillors.
- Most measures revolve around raising awareness but there is a limit to how much we can influence residents.
- Electric Vehicles emit less Nitrogen Dioxide but are expensive. Particulate Matter is still released from Electric Vehicles through general wear, which could increase levels in the air.
- Until larger scale pollution reduction measures are in place, the fight against air pollution would focus on small changes that everyone could make. This would result in a collective reduction in air pollution.

The meeting closed at 9.01 pm

Chair

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**CABINET PANEL ON THE ENVIRONMENT
22nd February 2023**

***PART 1 – PUBLIC DOCUMENT**

TITLE OF INFORMATION NOTE: WORK PROGRAMME AND ACTION TRACKER FOR 2022/23

EXECUTIVE MEMBERS – Environment and Leisure Executive member and Recycling and Waste Management

PRIORITY: SUSTAINABILITY / A BRIGHTER FUTURE TOGETHER

1. SUMMARY

1.1 This note highlights proposed items scheduled in the work programme for the Cabinet Panel on the Environment for 2022/23, agreed at the initial meeting. The Work Programme/Action Tracker at Appendix A highlights the topics agreed for the 2022/23 civic year.

The Cabinet Panel aims to set a work programme which will enable open discussion that may lead to recommendations to Cabinet /the relevant Executive Members or Service Director, regarding actions that they believe the Council should be taking to address climate and environmental issues.

This meeting will focus on the progress made across various areas of the council on our climate, environment, and sustainability goals.

2. STEPS TO DATE

2.1 Cabinet approved the establishment of the Cabinet Panel for the Environment at the 27th June 2019 meeting. The amended terms of reference were tabled for the Full Council meeting on the 4th June:

<https://democracy.north-herts.gov.uk/documents/s10892/Appendix%20C%20-%20Revised%20Terms%20of%20Reference%20for%20Cabinet%20Panel%20on%20Community%20Engagement%20Enterprise%20and%20C.pdf>

2.2 By way of update to the Panel, the Corporate Policy Team have been involved in the following work:

Contributions to the Hertfordshire Climate Change and Sustainability Partnership (HCCSP)

HCCSP members have asked officers to work through each of the current action plans (Water; Biodiversity; Carbon Reduction; and Transport) to present revised versions which take into account action to date, clarified targets, and changed context/funding/priorities. As such, the subgroups for each area have been reconvened to work on this. The policy team held a meeting of the Biodiversity Subgroup on 18th January and began discussing the actions. We have also now received the updated Action Plan Template from which to work. HCCSP is keen for the revised action plans to take into account the work being done by other organisations and community groups as well as for each Plan to have an overarching vision for Hertfordshire (the previous iterations were focused around local authority delivery and spheres of influence only). As such, the subgroups are looking for the most relevant interest and expertise to attend and

contribute to the action plan revisions. An email on this has been sent out to those on our distribution list.

iChoosr have sent through postcode data on Solar Together acceptances, which we have begun to analyse. We requested this data to aid our evaluation of the scheme and to understand how participation has varied across the district. Installations are now progressing and are still on track to be completed by April.

The Policy Team continue to be a part of the Behaviour Change Subgroup who have refined their priority areas. The subgroup are due to take a paper to HSOG and then HCCSP.

We also continue to be a part of the Adaptation Subgroup. The subgroup lead met with the Chief Execs Group to discuss our plans for identifying climate risks, and was well-received. We now have a template on which we can begin recording our risks. Authorities on the subgroup have agreed to record risks under categories of the key climate impacts (i.e extreme heat; rainfall & flooding; drought; and wind/storms) to have a common approach.

Sustainable Warmth

Installations continue for eligible households who have signed up. We are awaiting confirmation from government as to whether there will be an extension to the scheme.

Green Courses Research

Following a question that was asked at a recent Environment Panel meeting, the Policy Team have conducted research (attached) on courses and modules available in Hertfordshire with links to sustainability, climate change and the environment. The courses include those from school leavers to undergraduate degree courses both available at Hertfordshire Colleges and Universities as well as The Open University.

Updated Climate Change Strategy

Following the approval of updated Climate Change Strategy in December 2022, a designed version has now been produced and is due to be published on our Climate Change webpage. Additional actions have been added under each of the three action categories.

Affinity Water 'Water Resources Management Plan' Consultation Response

We have been preparing NHC's response to Affinity Water's draft Water Resources Management Plan (WRMP24). This plan outlines how the water company will provide a reliable and sustainable water supply to its customers between 2025 and 2050, particularly in light of the growing demand and water scarcity facing this region. The plan includes proposed reservoirs in South Lincolnshire and at Abingdon, as well as a Grand Union Canal Strategic Transfer to bring down water from the Midlands. The policy team has liaised with other Hertfordshire local authorities and local group, Revlvel, to help inform our response.

Aligning our Climate and Environment Goals with Planning

We have been working with Planning to ensure consistency between our Climate Change Strategy and HCCSP Strategic Action Plans, and the Supplementary Planning Documents (SPDs) on Sustainability and Biodiversity.

3. INFORMATION TO NOTE

3.1 Our Environment inbox is a means for members of the public or organisations to provide suggestions/presentations for the panel's consideration. The address is - EnvironmentPanel@north-herts.gov.uk.

3.2 The Panel could choose to accept suggestions from outside the meeting including:

- Suggestions by Members of the public or organisations either at the meeting or by email;
- Recommendations from Council, Cabinet or any other Committee;
- Suggestions by any Member of the Council;
- Suggestions by any Officer of the Council.

3.3 The Panel will seek to ensure that consideration of agenda items minimises additional burdens on staff resources. Wherever possible, requests are made for the presentation of documents already in existence rather than the production of new documents specifically for the Panel. Suggestions from outside sources, as detailed in paragraph 3.2 will only be placed on the work programme if agreed by one of the alternating Chairs or at a meeting of the Panel.

3.4 Attendance from external bodies and members of the public is actively encouraged.

3.5 This is a non decision-making advisory body and therefore this or any notes/reports to the Panel do not include a recommendation on a key Executive decision and have not been referred to in the Forward Plan. However, recommendations for action from the Panel for consideration by Cabinet may do so. This will therefore need to be borne in mind for any recommendations of the Panel.

4. NEXT STEPS

4.1 Other topics for consideration and inclusion in the Panel's work programme will be considered at each meeting. When considering additional topics, their risk assessment and prioritisation will ensure that the most appropriate items are taken forward to the work programme.

5. APPENDICES

5.1 Appendix A Environment Panel Work Programme and Action Tracker

5.2 Appendix B Hertfordshire Course and Module Research

6. CONTACT OFFICERS

Reuben Ayavoo, Policy and Communities Manager, 01462 474212
Reuben.ayavoo@north-herts.gov.uk

Georgina Chapman, Corporate Policy Team Leader, 01462 474121
Georgina.chapman@north-herts.gov.uk

7. BACKGROUND PAPERS

7.1 Appendix A - Environment Panel Work Programme and Action Tracker

7.2 Appendix B – Hertfordshire Course and Module Research

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APPENDIX A – WORK PROGRAMME AND ACTION TRACKER 2022/23 g

PROGRAMME FOR FUTURE CABINET PANEL ON THE ENVIRONMENT MEETINGS 2022-23

<p>Meeting 1. 20th July 2022</p>	<p>Biodiversity:</p> <ul style="list-style-type: none"> • HCCSP biodiversity action plan • Council actions on biodiversity (How can the community support the actions in the plan) • Green and Growing Network Group (what does community action look like for climate change and how can the Council support this. • Finalising topics for upcoming meetings.
<p>Meeting 2. 19th October 2022</p>	<p>Carbon Reduction</p> <ul style="list-style-type: none"> • Local Enterprise Partnership - Clean Growth Strategy in Hertfordshire - Helen Pollock (Clean Growth Manager) • HCCSP/NHC Carbon Reduction updates – Georgina Chapman
<p>Meeting 3. 11th January 2023</p>	<p>Air Quality</p> <ul style="list-style-type: none"> • Clean Air Programme – Matthew Clark, Programme Manager – Air Quality • Defra return for air quality monitoring – Roger Pitman NHC Air Quality Consultant
<p>Meeting 4. 22nd February 2023</p>	<p>Achievements</p>

CABINET PANEL ON THE ENVIRONMENT – ACTION TRACKER: January 2023

Date and Min No	Action/Resolutions	Action/Response/Outcome	Status (Complete/in progress)	Deadline for Implementation	Additional commentary
11092019 EP8	Proposal of surveying clients at Best Before Café/Hitchin Food Rescue to assess needs/client base	Policy and Communities Manager/Community Engagement Team	On-going		Initial survey results received. Further action to refine information once the demand on services has diminished after the pandemic.
06012020 EP27	NHDC publicised activity of schools in recycling	Executive member for Recycling and Waste	On hold		Actions to be placed on hold until the outcomes of the consultation on the National Waste Strategy and subsequent actions for Local Authorities are finalised
06012020 EP34	Establish a 'Eco- credentials' of food outlets(Similar to food hygiene scoring)	Executive member for Recycling and Waste	On hold		As EP27
06012020 EP37	Investigate the service change of 4 weekly collections/smaller bins/incentivise better recycling habits	Executive member for Recycling and Waste	Complete	2025	At another recent Extraordinary Cabinet Meeting, it was agreed by Waste Management that the Council will move to purple bin collections every 3 weeks, as part of the Service Change in 2025 . This change will avoid an increase in costs and honour the Council's commitment to the Climate Change Emergency.
06012020 EP38	Encourage the use of recyclable cups at district events	Executive member for Recycling and Waste	On hold		As EP 27
05032020 EP46	Anti-idling policy development.	NHDC Legal team/ Environmental Health	On-going		To be further developed as part of the Sustainable North

Date and Min No	Action/Resolutions	Action/Response/Outcome	Status (Complete/in progress)	Deadline for Implementation	Additional commentary
					<p>Herts programme/Taxi Licencing Policy. HCCSP and Public Health have developed a microsite to inform, assist and keep residents updated on the latest developments, including local pollution alerts.</p> <p>Let's clear the air (hertfordshire.gov.uk)</p>
05032020 EP47 Page 17	Smart Card option bus use in district	Transport officer	On-going		<p>The Bus Service Improvement Plan from HCC outlines the development of Smart Tickets as part to the plan. The plan has been recently been approved by the DfT. (introduction date unknown). Funds have yet to be allocated to the County Council.</p>
05032020 EP49	Consider the instituting of car free days in Hitchin	HCC highways/Transport officer	On-going		As EP46
11012023 EP50	Investigate and publicise Environmental employment skills learning modules	Corporate Policy Team		March 2023	

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Hertfordshire Green Courses/Modules Research

Search criteria key words: climate/climate change/sustainability/green/green future/environment/environmental

University of Hertfordshire - BSc (Hons) Geography [BSc \(Hons\) Geography | Courses | Uni of Herts](#)

- Enabling students with a deep and critical understanding of the pressing issues our world is facing from social, economic, political and scientific perspectives. Including the climate crisis, environmental hazards, food security, migration or geopolitical conflict, our teaching will equip you with the tools to help tackle these contemporary challenges.
- opportunity to study a wide variety of topics founded around staff expertise in sustainability, climate change, the cryosphere, urbanism and transport
- Solving Environmental Problems Module - Topic areas that may be covered include sustainable development, circular/green economy, environmental governance and problem-solving responses, corporate social responsibility, sustainability issues and solutions, ecosystem services, connecting with nature, outdoor learning, citizen science.

University of Hertfordshire - BSc (Hons) Environmental Management and Ecology [BSc \(Hons\) Environmental Management and Ecology | Courses | Uni of Herts](#)

- Key themes of climate change, biodiversity loss, food security, water resource management, pollution, landscape restoration and rewilding.
- Modules including Solving Environmental Problems and Ecosystems and Environmental Change
- Professional and practical field skills to lead future environmental management on climate crisis, biodiversity loss, environmental hazards, invasive species, food and water security, or rewilding.

University of Hertfordshire – BA (Hons) Business Management [BA \(Hons\) Business Management | Courses | Uni of Herts](#)

BA (Hons) Business Management with Leadership [BA \(Hons\) Business Management with Leadership | Courses | Uni of Herts](#)

Above both share same module:

- Leading and Sustainable Development Module - The module takes a critical reflective perspective on contemporary sustainability discourse. It develops understanding of the emergence of the issues and concerns raised by UN Sustainable Development Goals (SDGs) and Principles for Responsible Management Education (PRME). Challenging 'business as usual' approach, which privileges financial values, the module explores multiple conceptions of value and value creation, emphasising the complexities of reconciling often competing priorities of multiple stakeholders. This module takes a strategic view of the challenges facing leaders in making decisions for developing sustainable organisations, encouraging appreciation of the complexities and potential ramifications of those decisions.

University of Hertfordshire – BSc (Hons) Business and Human Resource Management [BA \(Hons\) Business and Human Resource Management | Courses | Uni of Herts](#)

BA (Hons) International Business with French [BA \(Hons\) International Business with French | Courses | Uni of Herts](#)

BA (Hons) International Business with German [BA \(Hons\) International Business with German | Courses | Uni of Herts](#)

BA (Hons) International Business with Spanish [BA \(Hons\) International Business with Spanish | Courses | Uni of Herts](#)

BA (Hons) International Business with Mandarin [BA \(Hons\) International Business with Mandarin | Courses | Uni of Herts](#)

BA (Hons) International Business with Japanese [BA \(Hons\) International Business with Japanese | Courses | Uni of Herts](#)

Above all share same module:

- Contemporary Issues in Ethics, Business and Sustainability Module – includes a range of national and global approaches to sustainability, exploring the various meanings attached to the word 'sustainability' and alternative strategies and drivers. Issues of ethics and social responsibility, stakeholders, political legitimacy and economic longevity will be considered together with the ecological issues which are the main focus of current media debates. Students will gain the ability to identify and explain the major developments in national and global sustainability practice in the twenty-first century

University of Hertfordshire - BA (Hons) Event Management and Tourism [Event Management/Tourism | Courses | Uni of Herts](#)

- Sustainability in Events and Tourism Module; Students will learn about the importance of sustainability in general and in the context of the tourism and events sectors. By learning about the elements of the triple bottom line in relation to destinations, events, organisations and their supply chains, students will develop an understanding of how to future-proof the sector while at the same time acting responsibly in relation to people, profit and the planet. Students will be encouraged to apply their learning to a variety of examples within tourism, events and organisations to support their understanding of how sustainable strategies work in practice and understand how the ethos of sustainability needs embedding in every element of strategy.

University of Hertfordshire - BA (Hons) Advertising and Digital Marketing [BA \(Hons\) Advertising and Digital Marketing | Courses | Uni of Herts](#)

- Business Environment Module: The module enables students to identify the impact of the external environment on marketing decisions. It will cover for example such aspects as economic and social trends including business ethics, sustainability, law and globalisation. Students will be encouraged to explore the marketing context by demonstrating an ability to gather information, apply knowledge by using relevant frameworks to inform marketing decisions. The module will aim to foster an appreciation of the importance of commercial awareness and to embed this into their marketing practice. Students will be encouraged to be conversant with current affairs and the impact of topical issues in business on marketers. Students will be introduced to the PESLE and/or other relevant tools and models, and how to use these critically in the production of a marketing audit.

University of Hertfordshire - BEng (Hons) Automotive Engineering [BEng \(Hons\) Automotive Engineering | Courses | Uni of Herts](#)

- Renewable Energy and the Environment Module: This course will enable the student to understand and evaluate forms of renewable energy. This will include solar, wind, hydro, geothermal, fuel cell, nuclear and micro energy sources. You will learn how to calculate the energy a system can generate, how it can be optimised and flaws in the technology. This will require our students to develop their creativity to enhance solutions, giving a taste for research and development job roles. 1. Environmental acts – Climate change – Biodiversity – Triggers and effects 2. Photovoltaics – Angle of Incidence – Chemistry – Stability - Flaws 3. Wind Generation – Offshore – Onshore – Urban – Induction (magnetism) 4. Thermal – Solar reflectors – Optics – Ground surveys - geothermal 5. Hydropower – Dams – Offshore wave generation – Bernoulli's applied 6. Fuel cells – Hydrogen – Hydrocarbon – CO2 storage – Chemistry 7. Nuclear – Fusion and Fission 8. Microgeneration – Piezoelectric – Thermoelectric – Solar 9. Applications to Automotive and mechatronics 10. Future Research and Developments

University of Hertfordshire - BEng (Hons) Civil Engineering [BEng \(Hons\) Civil Engineering | Courses | Uni of Herts](#)

- Principles of sustainable Design and Construction Module: Principles of sustainability and the environment in civil engineering design, sustainable materials, sustainability assessment and the interface with Building Information Modelling. Introduction to Construction Management, the socio-economic, demographic and commercial environment for infrastructure projects, project management, QCD, project life cycles, critical path and network analysis, tendering and contracts. What the student will learn from the module Students learn how designs are conceived and developed in a commercial and socio-economic context whilst balancing the need for sustainability, resource efficiency, economy and viability.

University of Hertfordshire - BA (Hons) Sociology [BA \(Hons\) Sociology | Courses | Uni of Herts](#)

- Covers topics such as the climate emergency and Our House is on Fire: Humanity and Environmental Crises Module.

West Herts College - Initial Year for Extended Degree in Science – Geography & Environmental Sciences [Extended Science Degree | West Herts College / Initial Year for Extended Degree in Science - Geography & Environmental Sciences | Courses | Uni of Herts](#)

- Preparatory year to gain skills to progress onto undergraduate degree in particular courses, including Environmental Management and Ecology as detailed above.

North Hertfordshire College - City & Guilds Level 1 Diploma in Electrical Installation [LEVEL 1 DIPLOMA IN ELECTRICAL INSTALLATION - North Hertfordshire College \(nhc.ac.uk\)](#)

- Principles of environment and sustainability measures

North Hertfordshire College –

IMI Level 1 Award in Electric/Hybrid Vehicle Awareness [IMI LEVEL 1 AWARD IN ELECTRIC/HYBRID VEHICLE AWARENESS - North Hertfordshire College \(nhc.ac.uk\)](#)

IMI Level 2 Award in Electric/Hybrid Vehicle Routine Maintenance Activities [IMI LEVEL 2 AWARD IN ELECTRIC/HYBRID VEHICLE AWARENESS - North Hertfordshire College \(nhc.ac.uk\)](#)

IMI Level 2 Award in Electric/Hybrid Vehicle Hazard Management for Emergency and Recovery Personnel [IMI LEVEL 2 AWARD IN ELECTRIC/HYBRID VEHICLE HAZARD MANAGEMENT FOR EMERGENCY AND RECOVERY PERSONNEL - North Hertfordshire College \(nhc.ac.uk\)](#)

- Above all share same aim for people interested in sustainability and green futures

West Herts College – Motor Vehicle Engineering

Level 1 Diploma in Automotive Engineering [Level 1 Diploma in Automotive Engineering | West Herts College](#)

Level 2 Diploma in Light Vehicle Maintenance and Repair Principles [Level 2 Diploma in Light Vehicle Maintenance and Repair Principles | West Herts College](#)

Level 3 Diploma in Light Vehicle Maintenance and Repair Principles [Level 3 Diploma in Light Vehicle Maintenance and Repair Principles | West Herts College](#)

- Focuses on the changing demands of the sector with green initiatives and sustainability

West Herts College - Level 3 National Foundation Diploma/Extended Diploma in Civil Engineering [Level 3 National Foundation Diploma/Extended Diploma in Civil Engineering | West Herts College](#)

- Covers sustainability and new technologies

West Herts College - Level 1 Diploma in Plumbing [Level 1 Diploma in Plumbing | West Herts College](#)

- Covers environmental and sustainability measures in domestic dwellings

Oaklands College – HNC in Construction and the Built Environment [HNC in Construction and the Built Environment \(PT\) 2 Yr Prog - 1st Year \(oaklands.ac.uk\)](#)

- Covers a unit on alternative energy

Herts Regional College - Level 2 Fashion Business and Retail [Level 2 Fashion Business and Retail \(hrc.ac.uk\)](#)

- Covers sustainability and supply chains
- Topic of sustainability within fashion and lifestyle retail

Herts Regional College - Level 3 Art and Design (Fashion) [Level 3 Art and Design \(Fashion\) \(hrc.ac.uk\)](#)

- Sustainability in fashion

Herts Regional College - Part Time Electro-Technical Technology - Cg 2365 Diploma Level 3 [Part Time Electro-Technical Technology - Cg 2365 Diploma Level 3 \(hrc.ac.uk\)](#)

- Skills covering environmental and sustainability measures in domestic dwellings

Herts Regional College - Catering, Hospitality & Event Management Level 3 Events Management [Level 3 Events Management \(hrc.ac.uk\)](http://hrc.ac.uk)

- Units including Environment and Sustainability plus Technology and Digital Media to reflect the changing world and expectations of employers and guests

The Open University – BA/BSc (Honours) Design and Innovation [Q61 | BA/BSc \(Hons\) Design and Innovation | Open University](http://open.ac.uk) (diploma also available for this course, first 2/3s of degree study) (Module) [U116 | Environment | Open University](http://open.ac.uk)

- Environment: journeys through a changing world module; introduces you to subjects from the natural sciences, social sciences and technology to develop your understanding of environmental issues and sustainability concerns. It shows how people are seeking positive solutions to environmental challenges where you live, in the Arctic, Africa, the Amazon and China.

The Open University - BSc (Honours) Environmental Science [Q52 | BSc \(Hons\) Environmental Science | Open University](http://open.ac.uk) (diploma also available for this course, first 2/3s of degree study)

- Module choices include:
 - Environment: journeys through a changing world
 - Environmental Science
 - Earth Science
 - Environment: sharing a dynamic planet
 - Energy and sustainability
 - Environmental management: systems and sustainability
 - Environment: responding to change
 - Renewable energy

The Open University - BA (Honours) Environmental Studies [Q99 | BA \(Hons\) Environmental Studies | Open University](http://open.ac.uk) (diploma also available for this course, first 2/3s of degree study)

- Modules include:
 - Environment: journeys through a changing world
 - Global challenges: social science in action
 - Environment: sharing a dynamic planet
 - Environment and society
 - Environment: responding to change
 - Environmental policy in an international context

The Open University - Certificate of Higher Education in Environment [T16 | Certificate of Higher Education in Environment \(open.ac.uk\)](http://open.ac.uk)

- Modules include:
 - Environment: journeys through a changing world
 - Global challenges: Social science in action

The Open University also shows modules on offer that can be taken into some qualifications:

- Environmental management: systems and sustainability
- Energy and sustainability
- Creating futures: sustainable enterprise and innovation
- Environment: journeys through a changing world
- Environment: sharing a dynamic planet

- Environmental Science
- Chemistry in life: food, water and medicines
- International, environmental and space law
- Science project course: environmental science practical project
- Innovation: designing for change
- Renewable energy
- Environmental management 2
- Environment: responding to change
- Terrestrial ecosystems
- Environmental Policy in an international context
- Marketing in action

The Open University - Climate Change: Transforming your Organisation for Sustainability
[Organisational Sustainability Online Course – FutureLearn](#)

- A microcredential gaining you 10 credits towards an undergraduate degree qualification upon completion, this course will entail 10 hours of learning over 10 weeks for a price of £450. In this microcredential, sustainability is defined as social, environmental, economic, global, and future wellbeing. You'll be introduced to the principles of sustainable development and to five new ways of working, and you'll be inspired by case studies featuring pioneering people and organisations who are collaborating to take radical action.
- Open to anyone interested in transforming their organisation for sustainability, no matter the size of the organisation or role title. No previous qualifications or experience are required.