

Climate Focus Area Update

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Climate Strategy for Essex

The Essex Climate Action Commission will support the County in production of a climate action strategy for Essex setting out a pathway to net zero for the County.

- The Commission was asked to review key areas where change is needed to drive down emissions, managé increasing risks from an already changing climate and open opportunity for a new green economy.
- The work plan focused in year one on six core areas for action: Adapting to an Already Changing Climate, Transport, Built Environment, Energy & Waste, Land Use & Green Infrastructure, Community Engagement
- Special Interest groups, led by Commissioners brought detailed recommendations to the full Commission for discussion and agreement over the past year.
- In July 2021 the Commission published its <u>Net Zero: Making Essex</u> Carbon Neutral report (PDF, 5.33MB).









CLIMATE COMMISSION TRANSPORT



Increase Active Travel

Building cycling & walking infrastructure



Increase low traffic neighbourhoods

20 LTNs per annum to 2030



Introduce school streets

25 schools by 2022, and an additional 20 per year to 2050



Expand Park & Choose

3 new Park & Choose (pedal, scoot, strike) sites by 2030



Rebuild Public Transport

Invest in bus recovery



Trial e-bikes / escooters

6 pilot schemes across the county by the end of 2020



Discourage unnecessary car use

Parking charging
Road User
Chargng



Expand EV charging network

Deliver a detailed EV strategy



First/last mile delivery

e-cargo bike pilots in five locations by 2022, leading to wider introduction through 2030



Pilot local delivery hubs

Introduce 10 local delivery hubs by 2022



Behaviour change

Develop behaviour change strategy and campaign

CLIMATE COMMISSION ENERGY & WASTE



Solar Panels on Roofs

Install Solar panels on every roof I by 2050 -25% of rooftops by 2030.



Large Scale Solar

Build 1.43 GW of large scale solar on available land by 2030.



Renewable Revolution

Essex self sufficient in renewable energy by 2040,



No Waste Heat

All waste heat to be captured and reused (where local demand exists) by 2035.



Hydrogen

Create facilities to produce green hydrogen to fuel heavy good vehicles by 2040.



Community Energy

Build a network of community energy neighbourhood s by 2035.



Innovation

Make Essex a centre of innovation for emerging renewable technologies



Recycling

Accelerate recycling activity to achieve a minimum 70% recycling rate by 2030



Recycling

All Essex residents and businesses to have access to kerbside recycling services by 2025



Green Procurement

Evaluate emission impacts in all procurement decisions



Waste Innovation Fund

Plastic substitution, and local reprocessing capacity



Behaviour change

Establish a network of communitybased reuse and repair hubs in Essex by 2024.



Collaboration

Develop the Essex Waste Partnership to fully engage with producers, industry and research bodies

CLIMATE COMMISSION BUILT ENVIRONMENT



Existing Schools

50% of schools to be retrofitted to net zero standards by 2025. 100% by 2030



Anchors

All Anchor Institutions to be retrofitted to net zero by 2030



Renewable Revolution

Essex self sufficient in renewable energy by 2040,



Commercial

One Third of commercial buildings to be retrofitted with renewable energy by 2030.



Residential

Two thirds all dwellings to be retrofitted as far as possible to net zero carbon standards by 2030.



Residential

Existing residential buildings- carbon emissions reduction of 50% by 2030. Carbon Zero by 2040.



New Schools

All New Schools commissioned to by Carbon Zero by 2022



New Homes

All New Homes Consented to be Carbon Zero by 2025



New Commercial

All New Commercial Buildings to be Carbon Zero by 2025



New Schools

All New Schools Commissioned to be Carbon Positive by 2030



Carbon +++

All New Homes and non-domestics buildings consented to be Carbon Positive by 2030



Essex Climate Action Commission Land Use & Green Infrastructure (LUGI) Recommendations

RECOMMENDATION 1	Farmland in Essex adopt 100% Sustainable Land Stewardship practices by 2050			
RECOMMENDATION 2	30% of all Land in Essex will enhance biodiversity and the natural environment by creating Natural GI by 2040			
RECOMMENDATION 3	Develop Natural Flood management and IWM schemes to increase flood resilience			
RECOMMENDATION 4	30% greening of our city, towns, villages and new developments			
RECOMMENDATION 5	Create a Climate Focus Area			
RECOMMENDATION 6	Ensure collaboration & engagement by carrying out a participatory community process			
RECOMMENDATION 7	ON 7 Developing Effective Monitoring & Evaluation Integrated Sustainability Appraisal Framework Knowledge and Decision Support Framework Essex Climate Observatory			
RECOMMENDATION 8	Develop a Funding and Partnership development Programme			



CLIMATE FOCUS AREA

- The Climate Focus Area will accelerate action and provide exemplars
 - Adopting Sustainable Land Stewardship practices: 100% by 2030
 - Natural Green Infrastructure: 30% by 2030

Targeting a designated area within the county allows for:

- more focused, ambitious and intensive action within shorter time frames
- learning and acquired knew knowledge of positive impacts can quickly be disseminated across the county.

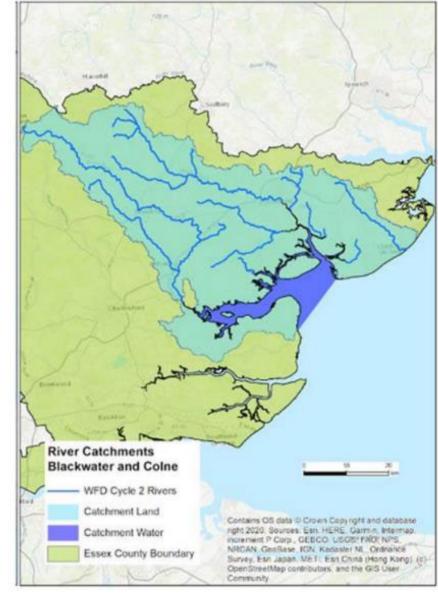




Blackwater and Colne catchments

Area: 1,217 km² (33% of the area of Greater Essex)

- Rich in geodiversity, archaeology and history
- Diverse Landscapes
- Lies in the centre of the county



Essex Climate Action Commission **Powering positive change**



North Essex Partnership Climate Activity

Climate Action Project examples



EV charging points on residential streets in each district



A pilot demonstrator net zero housing scheme in all districts



Green Home Grant



Climate Action Challenge Fund



Climate Focus Area







Route Map of how we will deliver the recommendations:

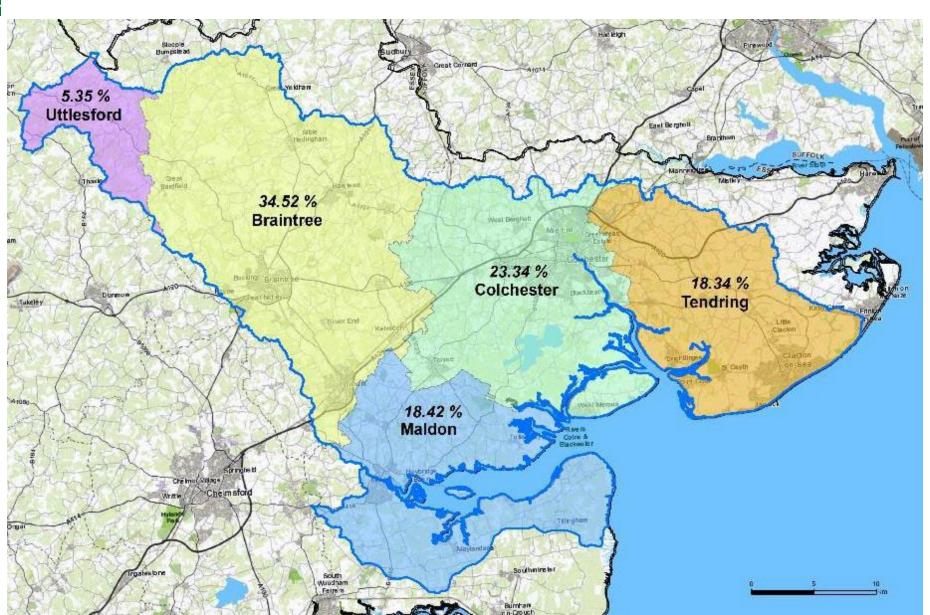


ECC has set out **7 projects** to establish the Climate Focus Area and deliver all aspects of the LUGI recommendations, including creating 30% Biodiversity and 100% Sustainable Land Stewardship





CFA by Local Authority Area: The CFA Authorities





Local Authority Name	Hectares in CFA	Hectares Outside CFA	Total Hectares	% of LA Area in CFA
Braintree	42,017.8	19,153.0	61,170.8	68.69%
Chelmsford	8.1	34,291.6	34,299.7	0.02%
Colchester	28,405.6	6,271.7	34,677.3	81.91%
Maldon	22,425.2	20,379.7	42,804.9	52.39%
South Cambridgeshire	21.9	94,216.7	94,238.6	0.02%
Tendring	22,327.3	14,290.9	36,618.3	60.97%
Uttlesford	6,510.8	57,607.4	64,118.3	10.15%
Grand Total	121,716.9	246,211.0	367,927.9	



Partnership with the CFA Authorities

How it relates to District and Borough work:

- Green and Blue Infrastructure Strategies the CFA will reinforce and deliver this work
- Rural and Urban focus the CFA mentions both arenas and seeks 30% Natural Green Infrastructure in both
- Net Zero Target the overall aim of the Essex Climate Action Commission is to achieve Net Zero
- New investment/Financial work the CFA financial work can feed into the CBC work and vice versa





Opportunities for the CFA Authorities

- Major Climate Change Programme
- Baseline Mapping of the Borough
- Monitoring & Evaluation of the Land Use and GI changes
- Major CFA Comms programme







Why the CFA is relevant to North Essex?

The CFA will offer local districts the chance to be partners in a **ground breaking initiative** to **trial innovative natural techniques** to lock up carbon and enhance biodiversity

The 6 CFA authorities will be part a **nationally significant pilot** which has high ambitions and great energy. It has the backing of the newly formed **Essex Local Nature Partnership**, the **Essex Climate Action Commission** and **Essex County Council**.

Climate Action has started on many fronts: transport, energy, waste and built environment. The CFA will be a trail blazing project to **enhance biodiversity, reduce flooding, reduce urban heat stress, improve water quality, combat water scarcity and help transform North Essex to increase its resilience to Climate Change**

