



Oxford Zero Emission Zone (ZEZ)

Bryan Evans,
Senior Transport Planner /
ZEZ Project Manager,
Oxfordshire County Council





The issues

- Vehicle emissions are harmful for health and contribute to climate change
- There is no safe level of air pollution – the World Health Organisation has recommended the annual limit of NO₂ pollution be reduced from 40µg/m³ to 10µg/m³
- Oxford City Council has set a voluntary interim 2025 target of 30µg/m³ to protect residents from harmful air pollution
- Poor air quality particularly impacts the most vulnerable members of society – the young, old and those with health issues



ZEZ Context

- ZEZ contributes towards delivering the [council's nine strategic priorities](#)
- Oxfordshire's [Local Transport and Connectivity Plan](#) (the 5th LTP)
 - Vision:
 - a net-zero Oxfordshire transport and travel system that enables the county to thrive while protecting the environment and making Oxfordshire a better place to live for all residents.
 - Targets
 - Replace or remove 1 in 4 current car trips by 2030
 - deliver a net-zero transport network by 2040
 - and have zero, or as close as possible, road fatalities or life-changing injuries by 2050.



ZEZ objectives

1. Cleaner, healthier air and lower **carbon** emissions
2. Less congestion and more use of active travel and public transport
3. Support Vision Zero: **zero deaths and fewer serious injuries** from road traffic collisions
4. More **attractive streets and spaces** for the local economy and communities to thrive
5. Tackle health and social inequalities



What is the ZEZ

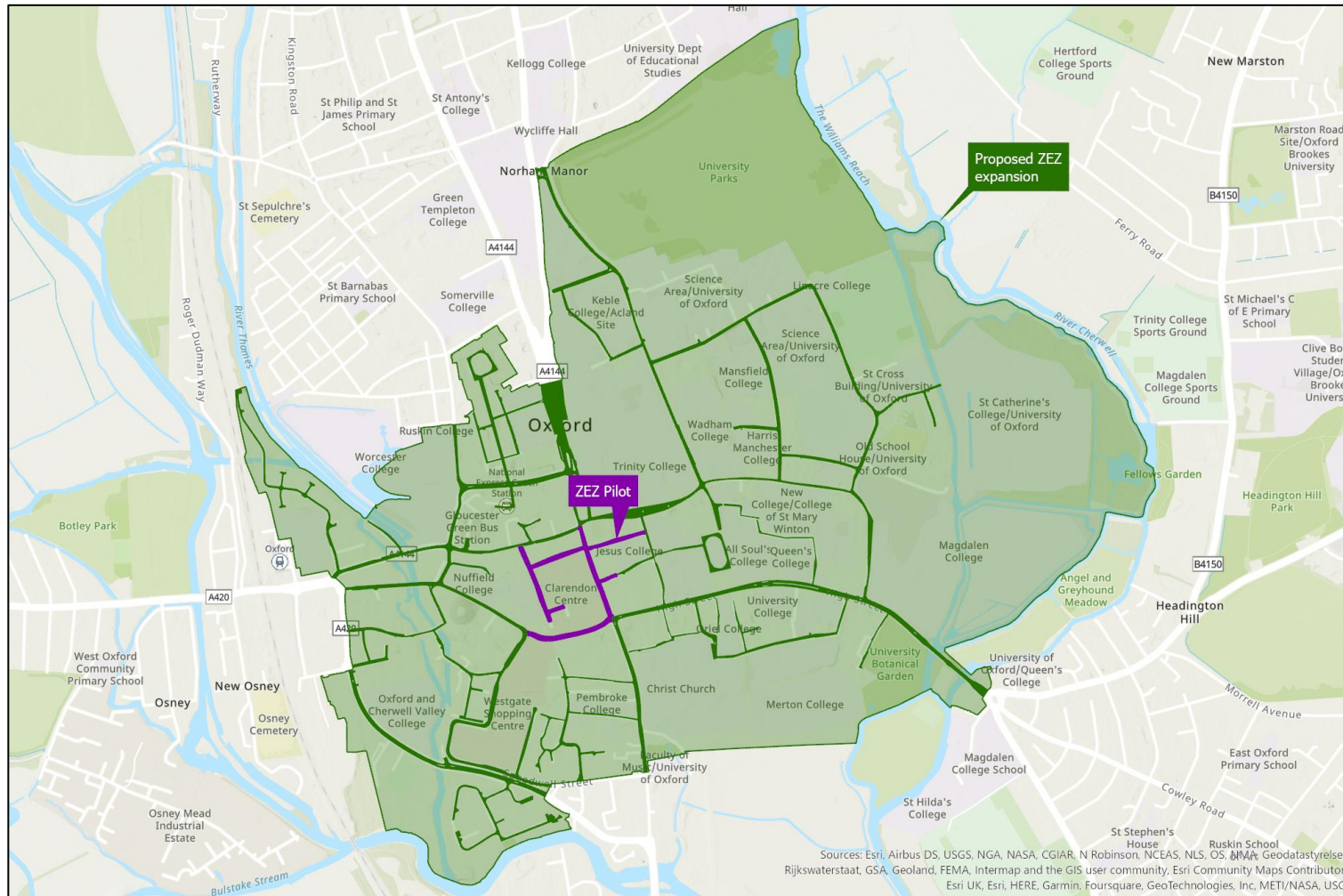
- The ZEZ is a road user charging scheme to improve air quality and reduce carbon emissions
- Vehicles with zero tailpipe emissions can be driven in the zone free of charge
- All other vehicles (including hybrids) are charged a daily fee according to their emissions
- Discounts & exemptions apply for certain user groups



History of the ZEZ

- Dates from LTP4 of 2015
- Joint city and county scheme
- Multiple public and stakeholder consultations
- Pilot scheme, live since February 2022
- Assessment continuing for wider ZEZ

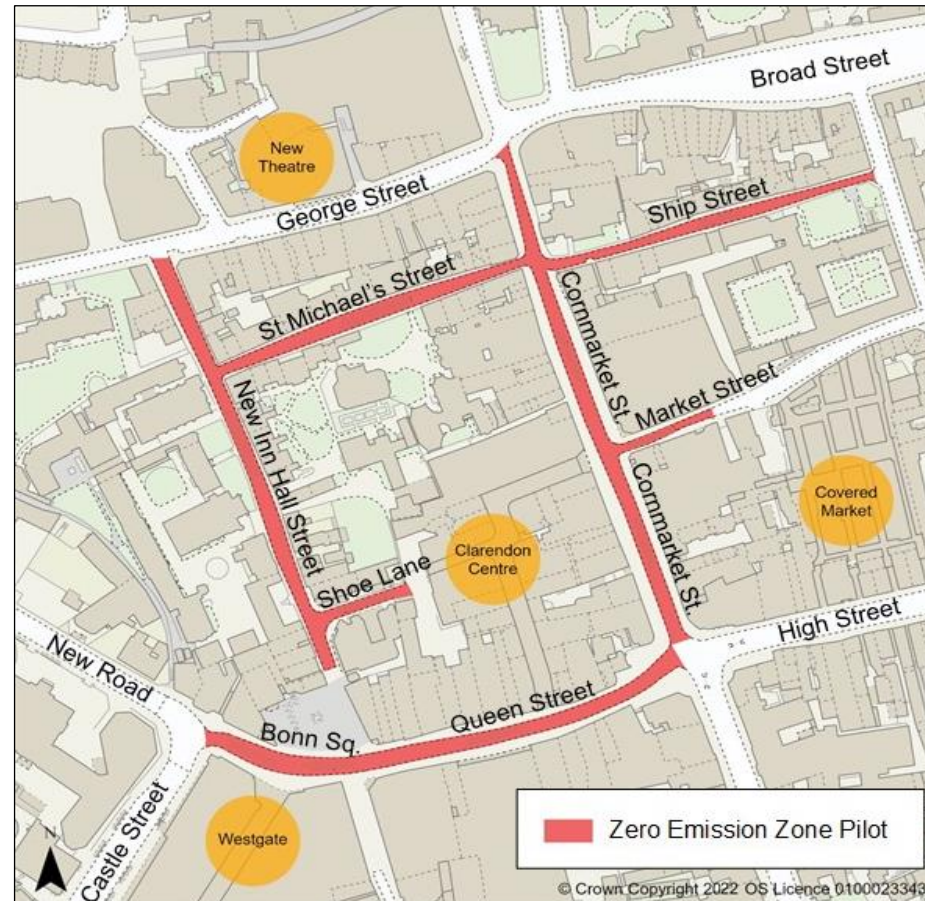
Location



ZEZ Pilot – purpose and location

Purpose:

- test concept and operating systems
- include a wide range of users – businesses, shoppers, employees, visitors, suppliers, tradespersons, university, colleges etc
- identify improvements for the proposed wider ZEZ



ZEZ Pilot - streets

Cornmarket Street



New Inn Hall Street



Bonn Square





Pilot: Emissions bands and daily charges

Band	Emissions	Daily charge
Zero (ZEV)	0g/km CO ₂	£0
Ultra-low (ULEV)	<75g/km CO ₂ , motorcycles	£2
Low (LEV)	Euro 4 petrol/Euro 6 diesel or better	£4
Other	None of the above	£10



Exemptions and Discounts

Exemptions include:

- Emergency services
- Buses
- Taxis licensed by the city council
- Historic vehicles
- Special vehicles

Discounts include:

- ZEZ Residents @ 90%
- ZEZ Businesses @ 90%
- Blue badge holders @ 100%
- Health and social care workers @ 100%
- Low emission hybrid private hire and hackney carriage vehicles @ 50%
- Students in acute financial hardship (6 days per academic year)



Inter-authority working

- Shared goals and aligned policies and same vision
- Communication between inter authority departments and teams
- Building a strong working relationship
- Agreed responsibilities and duties
- ZEZ Steering Group with officers and members from City and County authorities
- Co-ordinated comms



Implementing the scheme

- Multi-disciplinary project: Network management, Comms, IT, web content, finance, Customer Service Centre and libraries.
- Work closely with expert suppliers to ensure understanding of scheme detail and what's deliverable
- Learn from others



Consultation, Comms & Engagement 1

- Engaging the community: consulting the public and local businesses to incorporate their views into a net-zero strategy
- Crucial for public understanding and acceptance of the scheme
- people can feel they are being heard, and also start feeling ownership not only of the problem, but also and perhaps more importantly of the proposed solutions
- ZEZ pilot partnership forum for businesses, organisations from both authorities



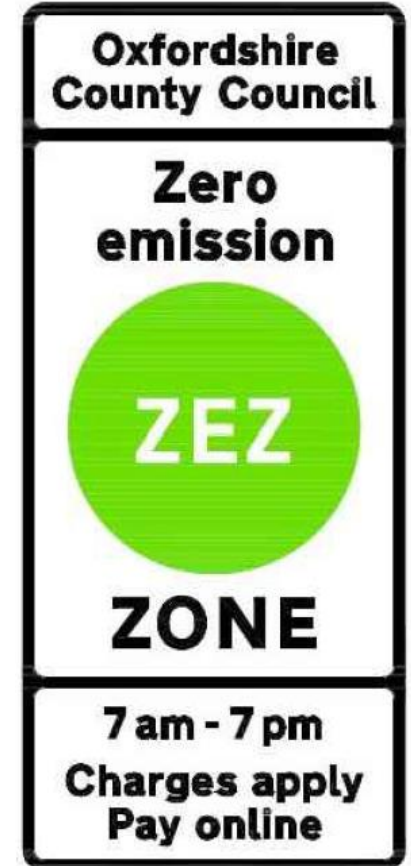
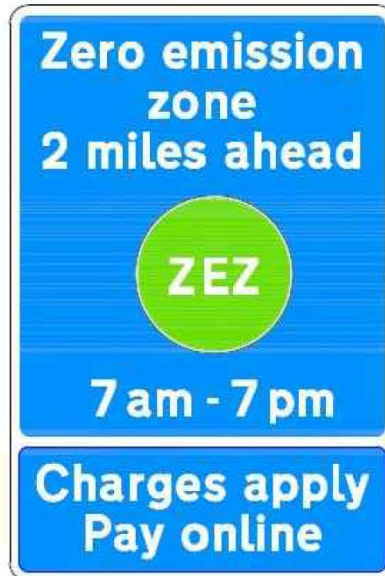
Consultation, Comms & Engagement 2

ZEZ Partnership - forum for businesses, organisations from both authorities - helps resolve issues and inform scheme detail

- face to face meetings
- press releases
- social media
- direct delivery of hard copy information
- website www.oxfordshire.gov.uk/zeroemissionzone
- ZEZ email inbox zez@oxfordshire.gov.uk

Enforcement

- 5 nr. static ANPR cameras
- Traffic signs at scheme boundary and on approaches
- DfT signs authorisation
- Soft launch





Charging Order

TRANSPORT ACT 2000

Oxford Zero Emission Zone Charging Order 2021

Made

20th December 2021



**OXFORDSHIRE
COUNTY COUNCIL**



ZEZ website www.oxfordshire.gov.uk/zeroemissionzone

Oxford zero emission zone (ZEZ)

Details of our zero emission zone (ZEZ) in Oxford city centre.

[Check your vehicle and pay](#)

[Change of vehicle](#)

In this section

View a map of the ZEZ

View the map of the ZEZ pilot area and the streets covered.

Charges for Oxford's ZEZ

How to check the charge for your vehicle and pay for driving in the zero emission zone.

Discounts and exemptions

Some vehicles are eligible for a discount from the daily charge and some are exempt.

Apply for a ZEZ discount

Discounts are available, including for Blue Badge holders, residents and businesses in the zone.

Fines

What to do if you receive a penalty charge notice (PCN) for non-payment of a ZEZ charge.

Appeal against a ZEZ fine

How to contest a penalty charge notice (PCN) if you believe it was wrongly issued.

About the zero emission zone

Vehicle emissions cause significant harm to health and contribute to climate change.

Apply for a refund

How, in exceptional circumstances, you may be able to apply for a refund.

Check your vehicle and pay

How to pay the zero emission zone charge.



User Journey: Vehicle check and Payment

www.oxfordshire.gov.uk/zeroemissionzone

Enter number plate

Exemption / discount check

Daily charge determined from vehicle data lookups via APIs to DVLA and motor industry databases

Dates selection + / - 6 days

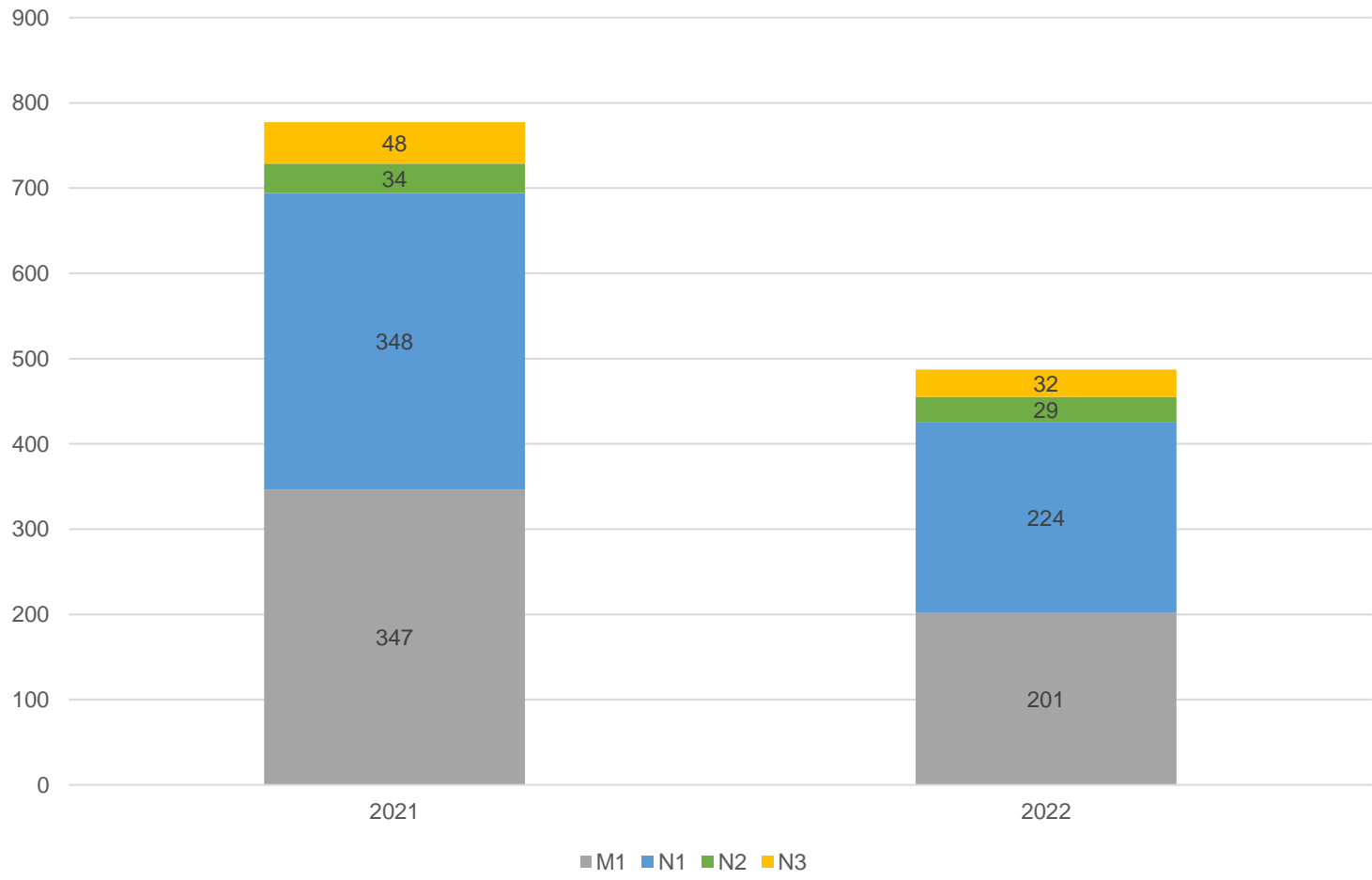
Charge determined

Payment



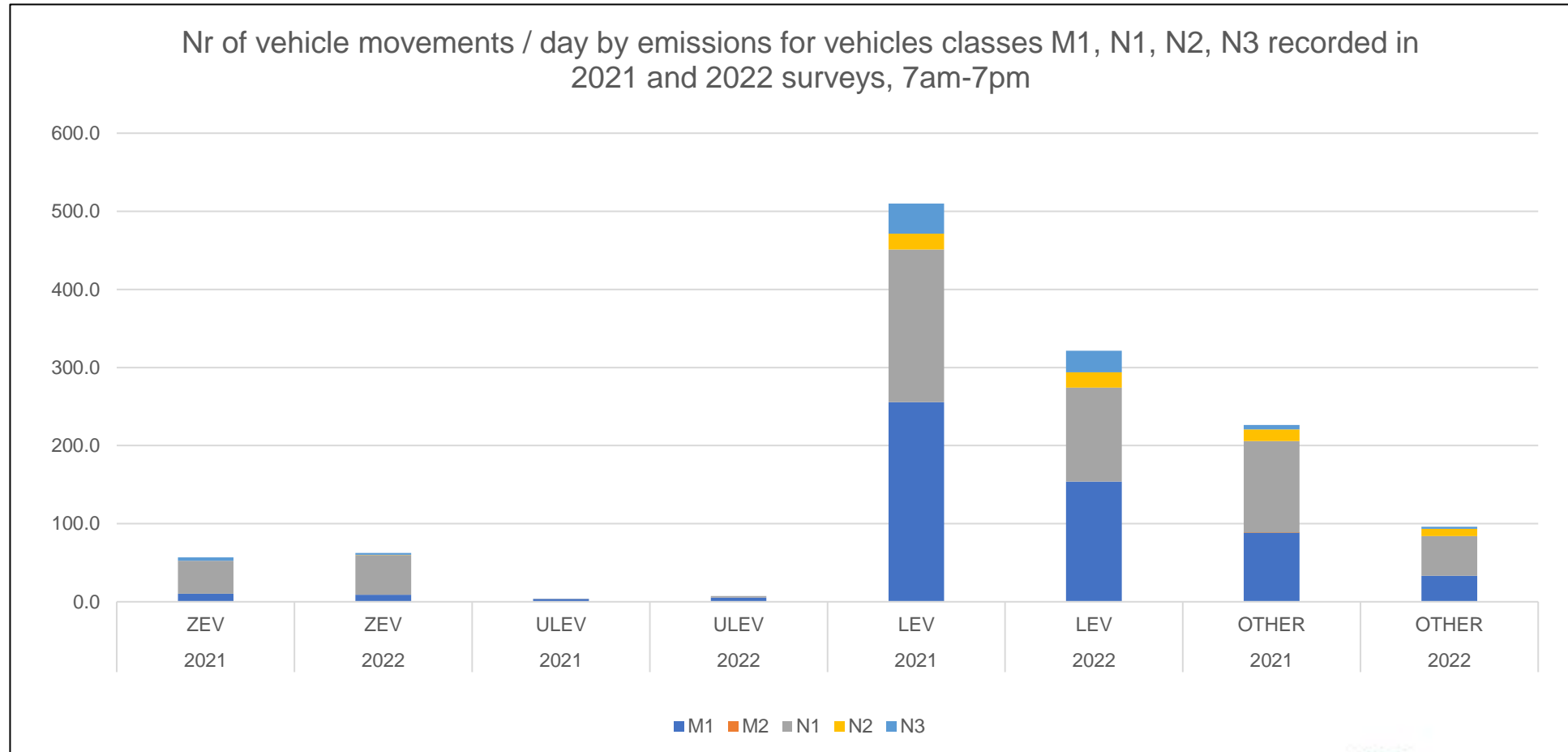
Traffic surveys 2021 vs 2022

2021, 2022; 7am-7pm; Mon-Sun,
Mean daily vehicle movements by vehicle class M1, N1, N2, N3



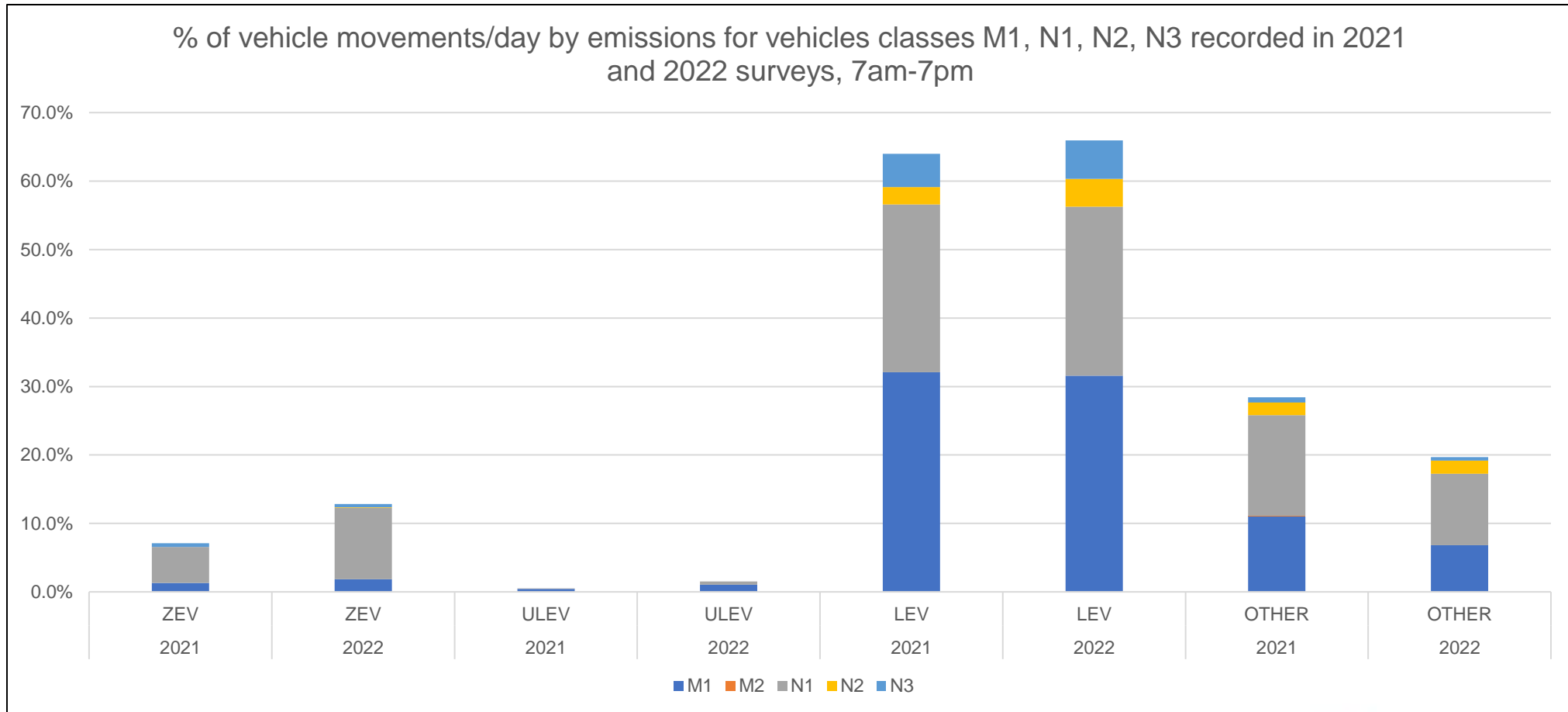


Traffic surveys 2021 vs 2022





Traffic surveys 2021 vs 2022





Learning from scheme operation

- overall vehicle movements in the pilot have reduced substantially during scheme operating hours
- air pollution levels decreased overall in 2022
- has encouraged change to zero emission vehicles
- the scheme's concept and operating systems work
- surplus income is being generated that will support the delivery of local transport objectives
- demand particularly from businesses for simpler ways to pay ZEZ charges via accounts



Future development of ZEZ

- Wider ZEZ being progressed through further assessment, engagement and consultation.
- Visit www.oxfordshire.gov.uk/widerzez



ZEZ latest information

www.oxfordshire.gov.uk/zeroemissionzone

www.oxfordshire.gov.uk/widerzez

zez@oxfordshire.gov.uk

Thank you!



SERO NET
CASNEWYDD
NET ZERO
NEWPORT

Newport City Council Decarbonising Procurement



NEWPORT
CITY COUNCIL
CYNGOR DINAS
CASNEWYDD

Theo Bishop
Business Decarbonisation



SERO NET
CASNEWYDD
NET ZERO
NEWPORT



NEWPORT
CITY COUNCIL
CYNGOR DINAS
CASNEWYDD

FIRST STEPS

- As a Local Authority, we must reach Net-Zero emissions by 2030.
- In 2022/23, 80% of our emissions stemmed from Scope 3.
- Financial data was required to track and analyse our procurement expenditure.
- The *initial* focus of this project was to engage with *top suppliers* in our supply chain.

Ranking	Supplier Category	% of Total 22/23 Spend
1.	Social Care Services	29%
2.	Works (Building/Construction)	11%
3.	HR Services	7%
4.	Public Transport Services	5%
5.	Children Services	4%



TOP 50% OF SPEND



- Data analysis revealed that 39 organisations accounted for the top 50% of our spend. Nearly 3,000 suppliers included in the remainder of spend.



- Our top suppliers responded to my outreach, sharing sustainability reports and consumption data to calculate CO₂e.



- However, engaging with SMEs within our top 50% of spend presented various challenges. These businesses lacked exposure to emissions reporting.



- The unfamiliarity with carbon reporting highlighted the necessity for tailored guidance and support.



- External engagement was crucial in addressing these challenges.



NCC CARBON CALCULATOR



- I embarked on a project to produce an 'NCC Carbon Calculator'.



- Creation of the Carbon Calculator took place in Q2 2023, utilising the emission factors and structure of the existing toolkit employed by Welsh Government.



- Designed to cater to all our suppliers. Our collective aspiration was to reshape the landscape and to empower organisations to begin emissions reporting and emissions reduction.



- The toolkit has been rolled out to **all** suppliers **over £75k** annual spend (393 organisations). Many of which are SMEs.



PROGRESS AND RESULTS

TOP 50% OF SPEND



22/39 Suppliers Scope 1 & 2 data obtained

SUPPLIERS £75k+



103/393 Suppliers Scope 1 & 2 data obtained

TOTAL NCC SPEND ACCOUNTED FOR



£111,372,907.50

PROGRESS



Our efforts have enabled us to provide support to our suppliers in emissions reporting for their entire operations or *specifically* for their works with NCC.



SUSTAINABLE PROCUREMENT PROCESS



- Internally, we have made significant modifications to the procurement process:



- This is *pivotal* in ensuring seamless integration of this process from the outset of new contracts and tenders.



- We are **committed** to ensuring that all organisations we work with are supported.



- All suppliers with *new* or *renewed* contracts over £75,000 will be *required* to report on their emissions for the duration of the contract(s).



- By embedding this requirement at this stage, we are streamlining the adoption of sustainable practices across our procurement process.



This type of reporting is expected to be conducted **annually** for our suppliers, not only for internal purposes but also to support suppliers to **reduce emissions** and align with sustainability goals.



We will continue to work with SMEs, suppliers, and businesses in Newport. Helping to support them and secure funding for decarbonisation.



At Newport, we are working with many LAs in Wales to produce a unified Carbon Calculator for suppliers. Merging best practices offers a seamless process for suppliers to report on their emissions.



Building strong relationships with our suppliers, local SMEs, and public and private sector organizations is essential for us to work towards achieving Net-Zero. We are dedicated to offering financial assistance to support organisations to decarbonise...

NEXT STEPS



BUSINESS & COMMUNITY DECARBONISATION FUNDING

Net Zero Newport - Business & Community Decarbonisation is a programme funded by the UK SPF to help stimulate growth in Newport's low carbon economy and support Newport's journey to net zero by 2050. The programme will:

- Increase uptake of energy efficiency & renewable energy measures in Newport.
- Support Newport business and community groups to reduce carbon & costs.
- Grow Newport's low carbon economy and skills.



WHAT WE ARE DELIVERING

Across Newport businesses and community groups, the programme aims to:



Install 30 forms of low or zero carbon energy infrastructure



Provide grant funding to 30 organisations



Support the development of 50 decarbonisation plans



Complete/improve 30 commercial and community buildings



Reduce 20 tCO₂e through financial support



Provide non-financial support to 65 organisations



**SERO NET
CASNEWYDD
NET ZERO
NEWPORT**



**NEWPORT
CITY COUNCIL
COUNCIL CHAMBERS
CASNEWYDD**

ELIGIBILITY CRITERIA AND FUNDING BREAKDOWN

To receive support, each organisation *must* be located within the Newport City Council area, and must be:

- **A Small or Medium sized Enterprise (SME).**
- **A legally constituted voluntary or community organisation or registered charity.**

Total grant funding of **£500,000** is available to provide grants towards projects (24/25 FY).

- The total grant is split up evenly for business decarbonisation & community decarbonisation projects.
- We are offering each organisation up to **50% match funding**.
- The maximum grant available for each organisation is set at **£30,000**.



PROGRAMME DELIVERY

Making Contact

Contact the team through our dedicated email address to discuss low carbon projects and any funding inquiries.

Energy Report and Technical Support

Organisations can access FREE support from our officers to assess energy efficiency and renewable energy opportunities via a building survey. A detailed report will be provided with recommendations for next steps.

Grant Application and Approval

Organisations will submit an application for grant funding to the programme team for scrutiny and a decision.

Project Implementation

Project delivery will commence with a grant agreement letter. Once the work is completed and verified, the organisation will receive payment.

Celebrate Achievements

We will celebrate the achievements of successful candidates via social media, our website, and newsletters.



THANK YOU FOR LISTENING,
ANY QUESTIONS?



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CASNEWYDD
NET ZERO
NEWPORT



NEWPORT
CITY COUNCIL
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CASNEWYDD

Carbon Cutting Essex app

APSE Southern Region Online Renewables & Energy
Efficiency Advisory Group

20 February 2024, 10:30am

Delivering an ambitious £250 million Climate Action Plan

- Essex County Council has identified environment as one of its four key pillars as part of its Everyone's Essex strategy.
- In May 2020, ECC formed the Essex Climate Action Commission.
- In July 2021, the Commission released its Net Zero report which provides over 100 recommendations on different themes.
- ECC endorsed the report in November 2021 and unveiled a £200 million Climate Action Plan. In July last year, the Council launched a further updated £250 million Climate Action Plan.



The Advice Packs



Early Years
and Childcare
**Climate Action
Advice Pack**



Link to the Climate Action Advice Packs:

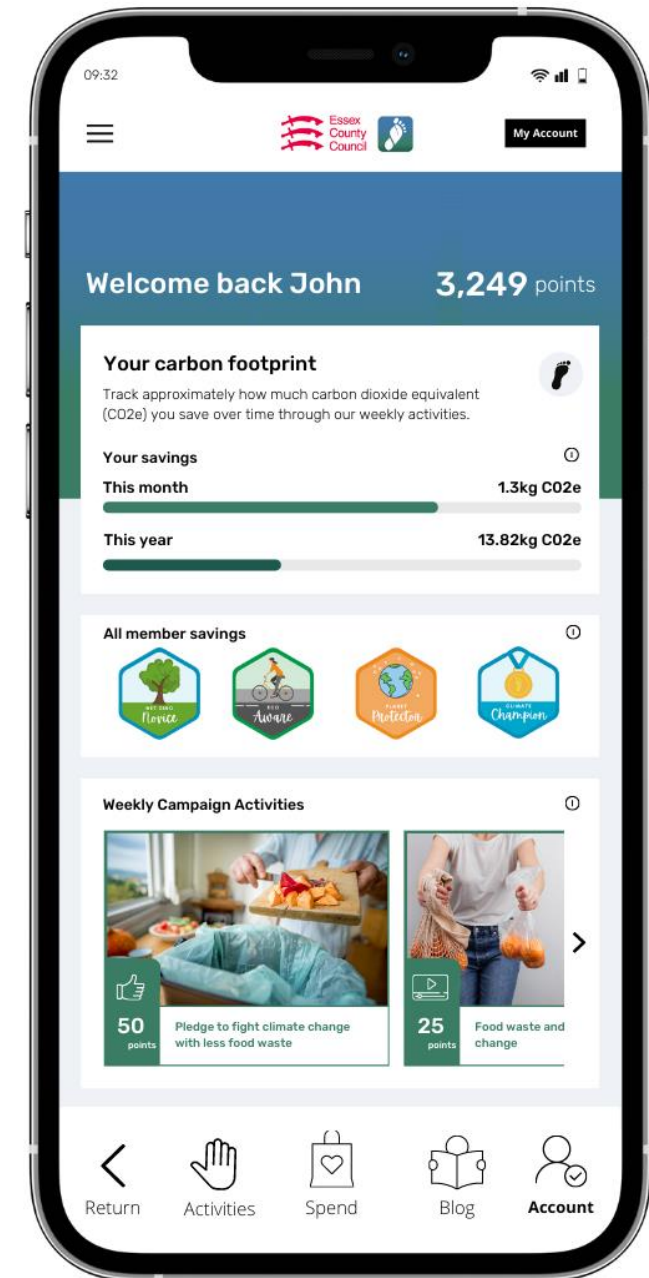
[What can I do?](#)

Link to subscribe to the Newsletter

[The subscription link](#) for the Essex Climate Action Commission newsletter can be found under the planning, land and recycling section

The Carbon Cutting Essex app

- Launched on 22 May 2023, to coincide with International Day for Biological Diversity.
- Essex County Council worked in partnership with Greenredeem to develop the new app.
- The app is now available to download on Google Play, the App Store and the Greenredeem website.
- The App allows residents to keep track of their carbon footprint and discover small actions which we can all take to reduce it through weekly blogs, quizzes and online videos.
- Each month focuses on a different climate related theme.
- Motivates positive actions through providing points and rewards which can be used to enter prize draws for major retailers, donated to a good cause or school.



Carbon Cutting Essex

An app dedicated to promoting environmental awareness and collaboration among businesses and local communities.

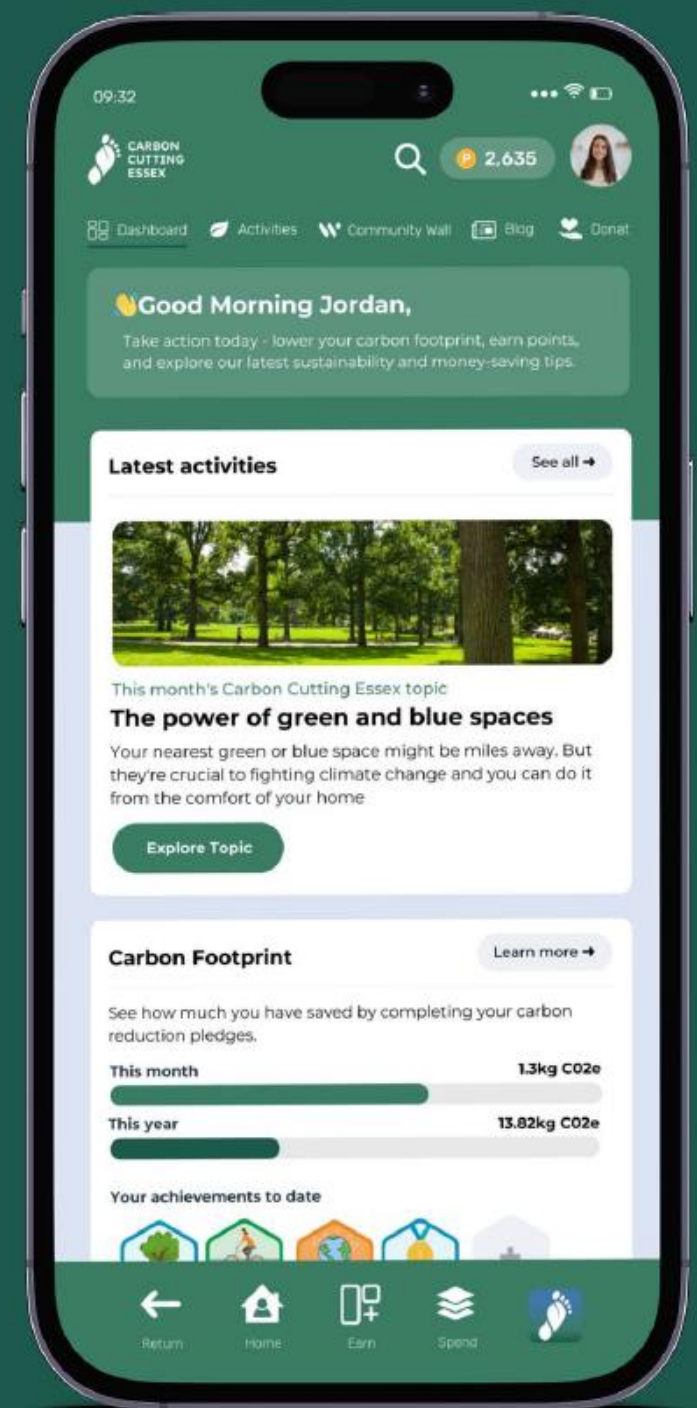


CARBON
CUTTING
ESSEX



Essex County Council

greenredeem



About Greenredeem

Greenredeem is a dynamic force driving positive and lasting environmental change.

We work together with partners to develop personalised digital platforms and apps that promote an understanding of environmental issues and encourage community participation.

Est. 2009

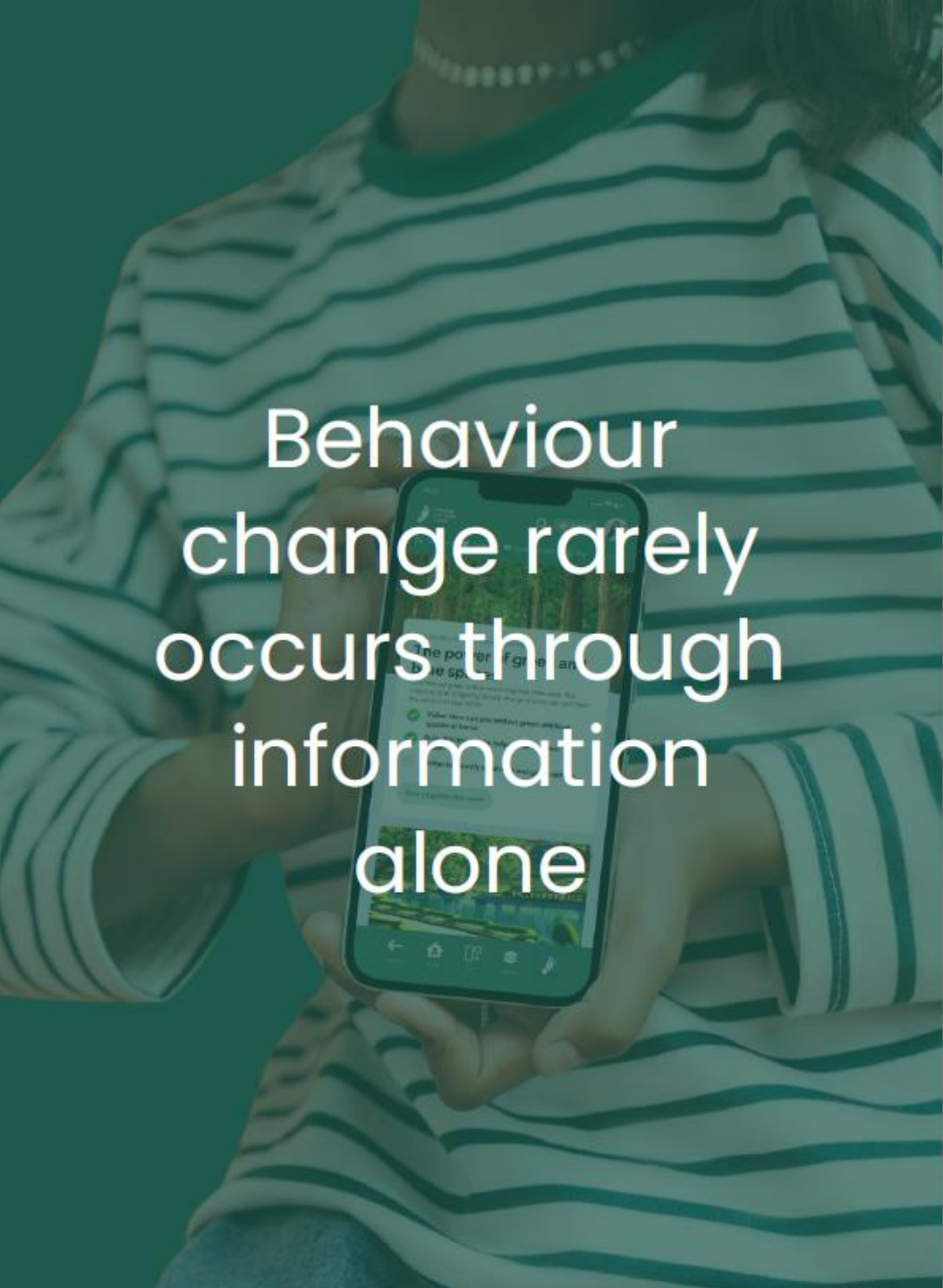
24.1m

environmental actions
taken by members



FS 635879

EMS 635880



Behaviour
change rarely
occurs through
information
alone

Our approach

Greenredeem's approach to behaviour change focuses on encouraging individuals to consider their actions and adopt new lifestyle changes.

This is not achieved through one-off campaigns, but through a gradual and sustained process that involves rationalising the change, regular communication, and engraining new actions as habits.

Research has shown that behaviour change rarely occurs through information alone. It requires a combination of techniques that complement or differ depending on the target audience, with the aim of nudging behaviour over a sustained period.

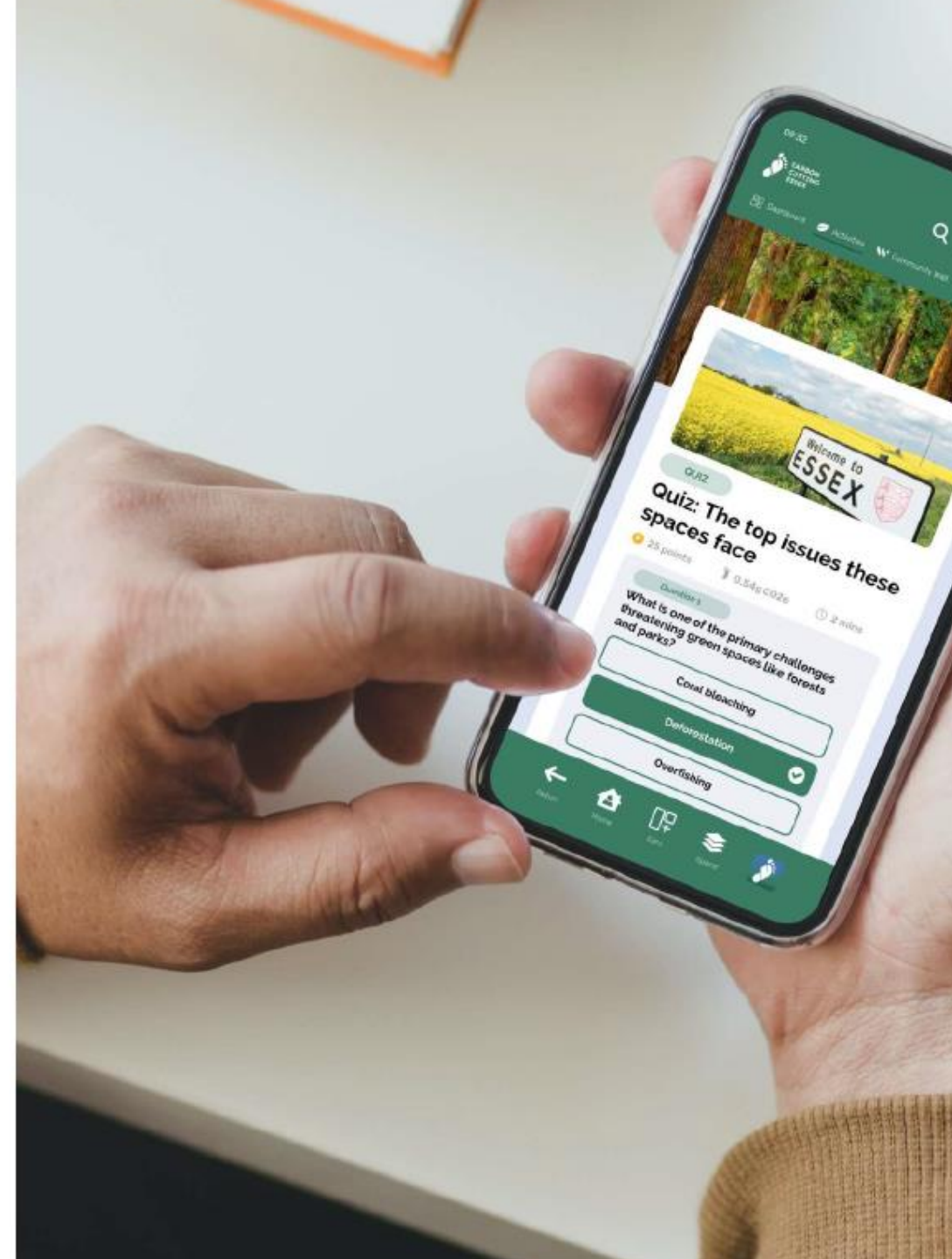
The CCE opportunity

Carbon Cutting Essex is an app for promoting environmental awareness and community engagement. By bringing together individuals, groups, businesses, and councils, we can collectively work towards achieving net-zero.

Effective use of insights

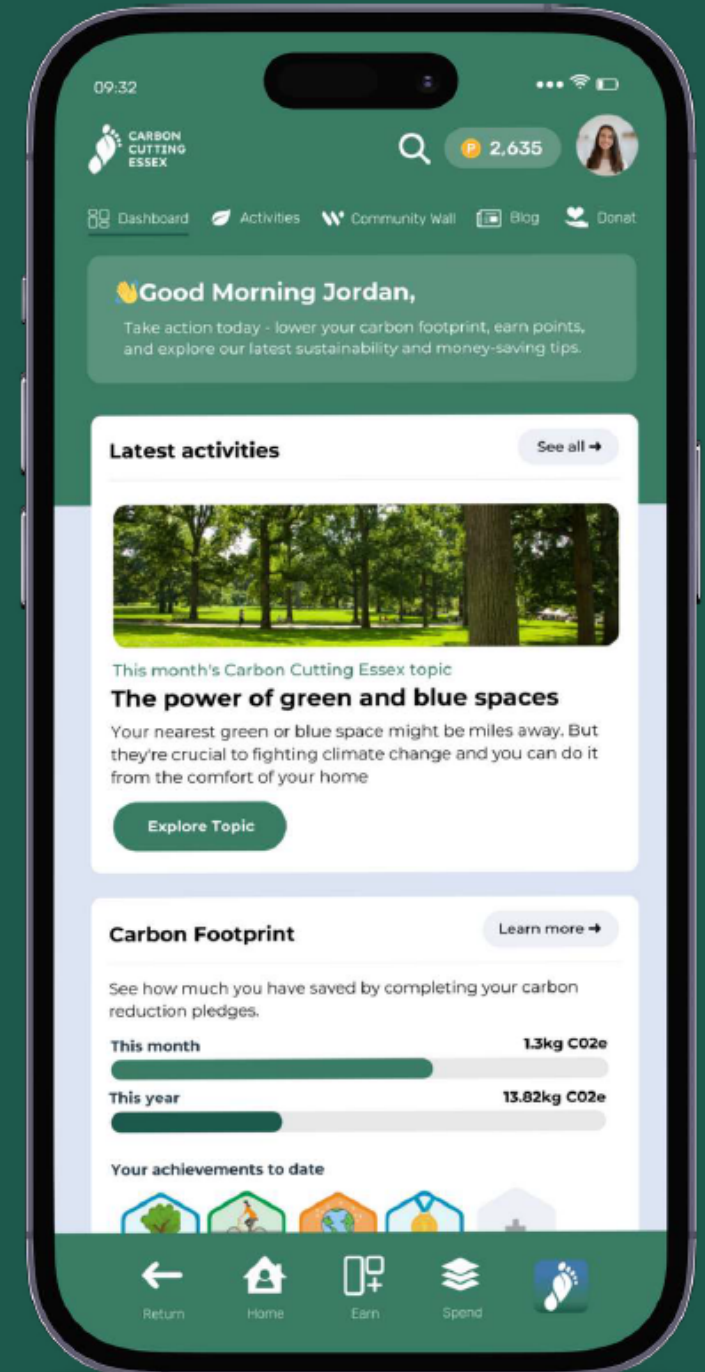
Insights gathered from data and feedback are crucial in effective communication.

By delivering targeted and personalised communications, we can continually improve our approach to achieve sustained and impactful results.



An environmental platform and app that ...

1. Engage all audiences, not just the already committed
2. Helps people adopt and sustain new everyday green actions
3. Tracks carbon improvements and provides positive feedback
4. Rewards participation
5. Engage the community behind a common cause



Platform & App features

Simple registration and introductory tour



Users will receive a relevant and localised experience

Personalised and relevant

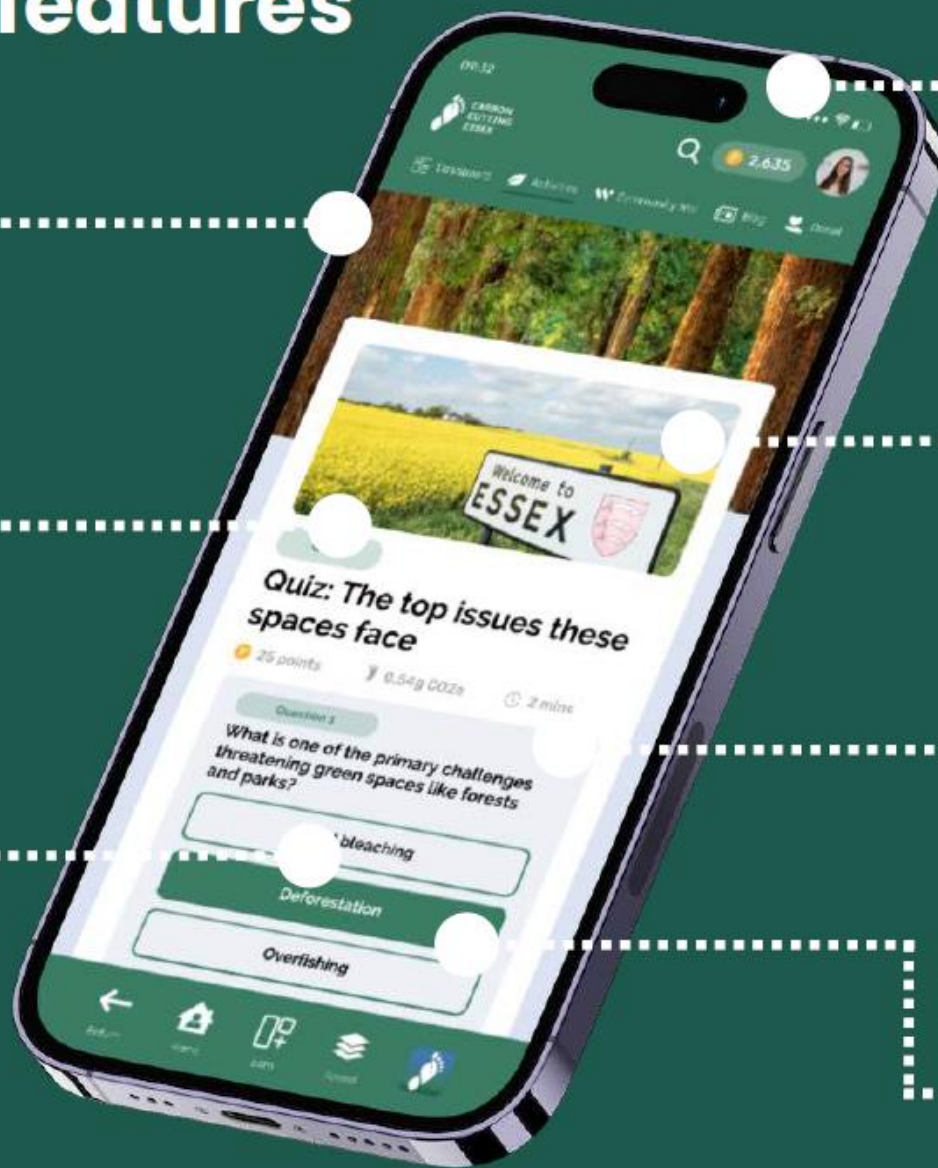


Communication sent by location, interests and trends

Gamified campaigns



Fun bite-sized content to encourage participation and adoption of everyday changes



Carbon tracker

Track carbon savings and measure the impact of everyday lifestyle changes



Win prizes & earn rewards

Enter competitions to win prizes, or exchange points for gift vouchers



Community Wall

Interact with residents and hear from community groups, local champions



Donate to good causes

Make a difference to a local good cause or national charity

Tackling all climate change topics



**Sustainable
transport**



Energy



**Reuse &
recycling**



**Food &
diet**



**Conscious
consumption**



**Support
biodiversity**

We believe in the power of everyday actions to reduce your carbon footprint by focusing on high-impact changes.

Bringing campaigns to life

Example campaign: "Waste not, want not"

Each campaign will comprise of four gamified elements: Blog, quiz, video, and pledge, spread over a month. For each activity taken, people will earn points with which they can enter a fortnightly prize draw or donate to charities and good causes.

1 Create activities



Pledge to reduce your food waste's carbon



footprint
Recycling food items and reducing food waste



Video: The impact of wasting food

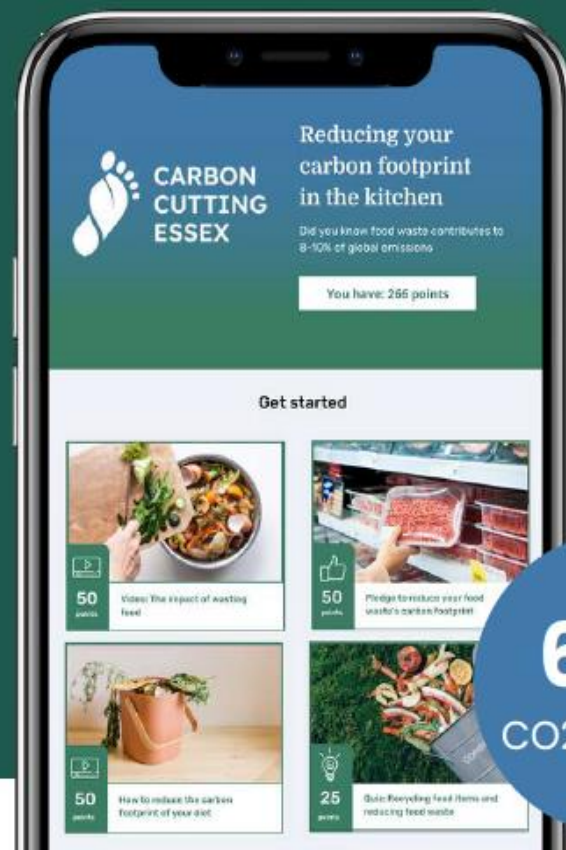


Blog - Don't let your food go to waste

2 Email residents



3 Campaign and reporting



Example campaign: "Waste not, want not"

25 points

Video: The impact of...

25 points

boards before food down?

1.25 Kg

Pledge to reduce your food waste's carbon footprint

25 points

lands up, wrapping itself around and generally clogging things up

Now that you're sourcing the correct foods for your dinner table it's time to reduce its impact after it arrives in your kitchen. There are a few ways you can tackle this:

- Use up every last ingredient every week by only purchasing foods you need for planned meals
- Any food you fear will go out of date before use, freeze it if you can and defrost for another day
- Keep your leftovers for a meal at the end of the week
- Upcycle food scraps that you cannot use for example baking potato peelings and

4 Associated carbon saving

By freezing mince meat, instead of throwing it out, you'll save a whopping 1.25kg CO₂e on your carbon footprint.

Activity	Saving
Weekly CO ₂ e saving	1.25 kg
Monthly CO ₂ e saving	5 kg
Yearly CO₂e saving	60 kg

60kg CO₂e / year

*Source BEIS, Department of Business, Energy and Industrial Strategy

Personalised carbon saving tracker & interactive dashboard

With each pledge taken, individuals can track their progress through their personalised carbon tracker.

This highlights that many small, sustained actions have the greatest impact.

Everyone has an opportunity to get involved and make an impact.



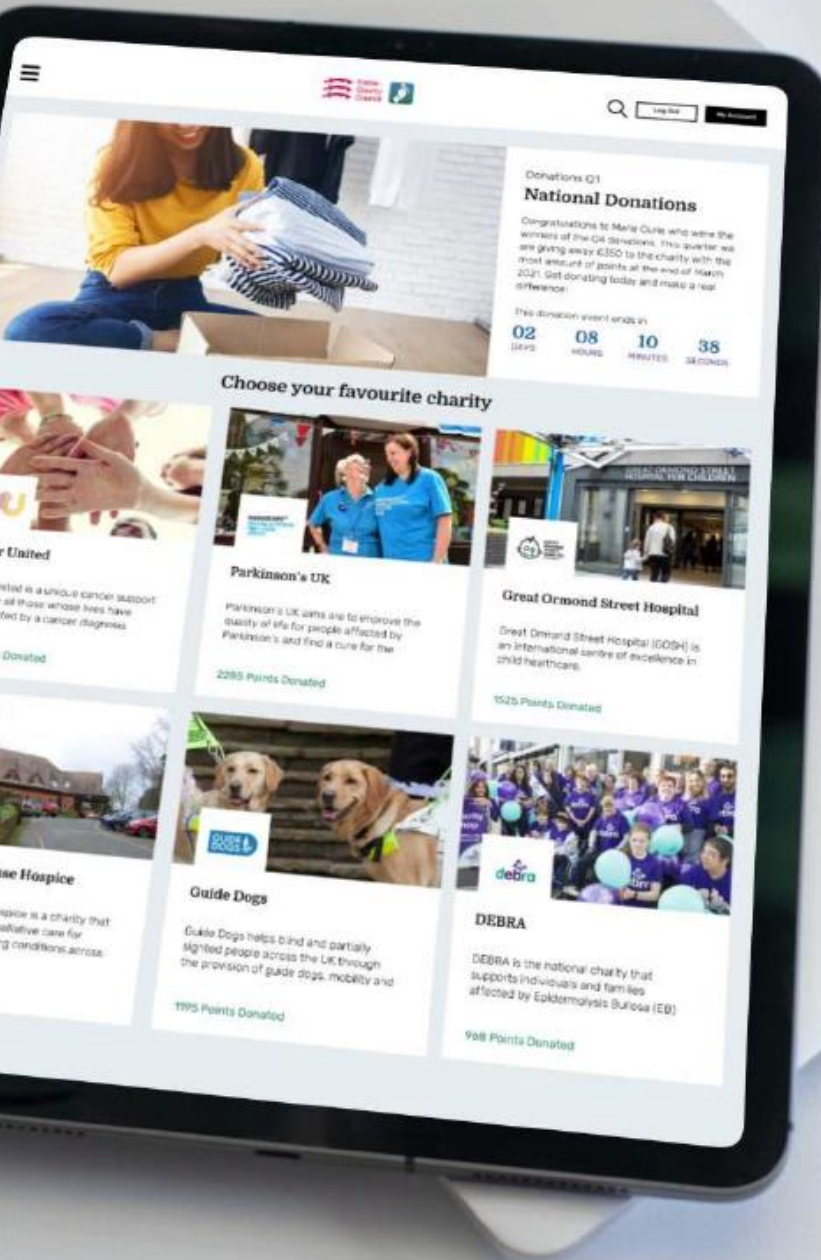
A screenshot of the Carbon Cutting Essex website dashboard. The top navigation bar includes links for Dashboard, Activities, Community Wall, Blog, Competitions, Donate, and Everyday Essentials. A user profile icon shows 250 points. The main content area features a 'Good Morning Ceecee' greeting with a 'Get Started' button. The 'Carbon Footprint' section shows progress bars for monthly (0g CO2e) and lifetime (30g CO2e) progress, and a circular progress indicator for achievements (25kg, 50kg, 100kg, 250kg CO2e). The 'Latest Activities' section highlights 'The power of green and blue spaces' with an 'Explore Topic' button. The 'Everyday Essentials' section promotes 'New and Improved' content with a 'Get Earning' button. At the bottom, there are sections for 'Prize Draw' (Enter), 'Donations' (Donate), and 'Your Activity' (More).

Carbon Cutting Essex aims to cater to many, not just a few

The overarching goal of Carbon Cutting Essex is to be inclusive and accessible to a wide range of people.

By providing points to individuals for actively participating in the campaign's content, the app then offers various options for point usage.

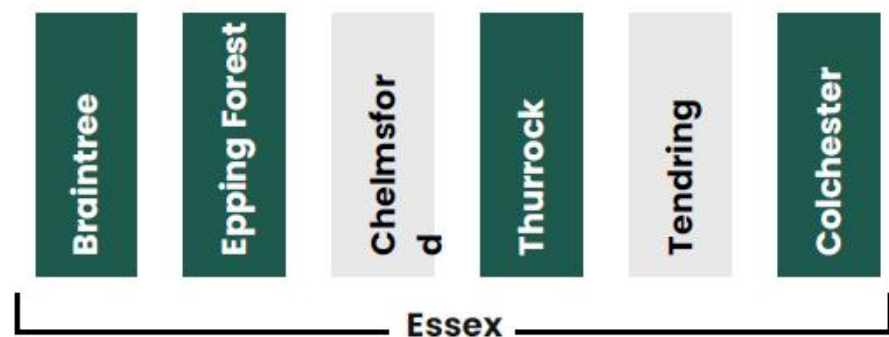
Whether donating to causes or entering competitions, Carbon Cutting Essex ensures that individuals with different interests and motivations can find something meaningful and engaging within the platform and app.



Community Wall: Championing people in the community

Carbon Cutting Essex will empower residents, businesses, and communities to actively participate in environmental conservation practices.

Through the Community Wall, local contributors can share ideas, support one another, and gain insights into the diverse activities carried out within the region.



CARBON CUTTING ESSEX

Dashboard Activities Community Wall Blog Competitions Donate Everyday Essentials

Carbon Cutting Essex – Community Wall

The Community Wall provides a glimpse of the overall activities carried out within the Essex. Share common interests to celebrate accomplishments and join in with monthly challenges.

- Activities taken this month: **2,428**
- Carbon saved by Essex: **1,788kg**
- Your current badge: **Net Zero Novice**

This month's guest blog

Ford Ride London-Essex raising funds to support local charities

An estimated 25,000 riders will take part in this year's Ford Ride London-Essex. Many of them will be riding to raise money and awareness for good causes. Since the event began in 2013 it is estimated that more than £80 million has been raised for charity.

There are hundreds of charities represented in this year's ride...

About the author
Per nam facilis lorem nisi commodo in nam vestibulum erat neque scelerisque vestibulum vestibulum cum nam ullamcorper blandit.

Show your support: 14 🍷, 14 ❤️, 121 🗨️, 54 🌟

Orange league

You're ranked #7
You've earned 220 points so far this week

Check progress

Monthly Challenges

- Earn 250 points**
By completing all the activities this month.
150 points
- Prize draw**
Make sure you enter once, this month.
Completed

Gift card drop

Each month we will be adding gift cards to the rewards section. You'll have to be quick!

Countdown: **09** DAYS, **13** HOURS, **51** MINS

Eco suggestions and ideas

- Reduce waste when packing and moving**
start planning ahead of the move by collecting items that will help with the move. Some of the most important items you will need are boxes and bags.
Lemuel Dalton
- Things you can rent instead of buying**
Nowadays, people prefer to buy cheap stuff more often, instead of buying more expensive and better-quality items and keeping them for longer. Renting is the solution!
Maggie Lane

Download today



Thank you

Greenredeem Limited

5 Bradfield Court, Milton Road, Drayton, Oxfordshire OX14 4EF
greenredeem.co.uk



This information is issued by:
Essex County Council

Contact us: Climate.Commission@essex.gov.uk

Facebook: www.facebook.com/essexclimateaction

X: www.twitter.com/essex_climate

Instagram: www.instagram.com/essexclimatecommission

LinkedIn: www.linkedin.com/EssexClimateAction

Essex County Council
County Hall, Chelmsford
Essex, CM1 1QH

The information contained in this document
can be translated, and/or made available in
alternative formats, on request.

Published 19 January

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