

Tackling Climate Change in Stevenage

APSE Future Focus Seminar 2023:

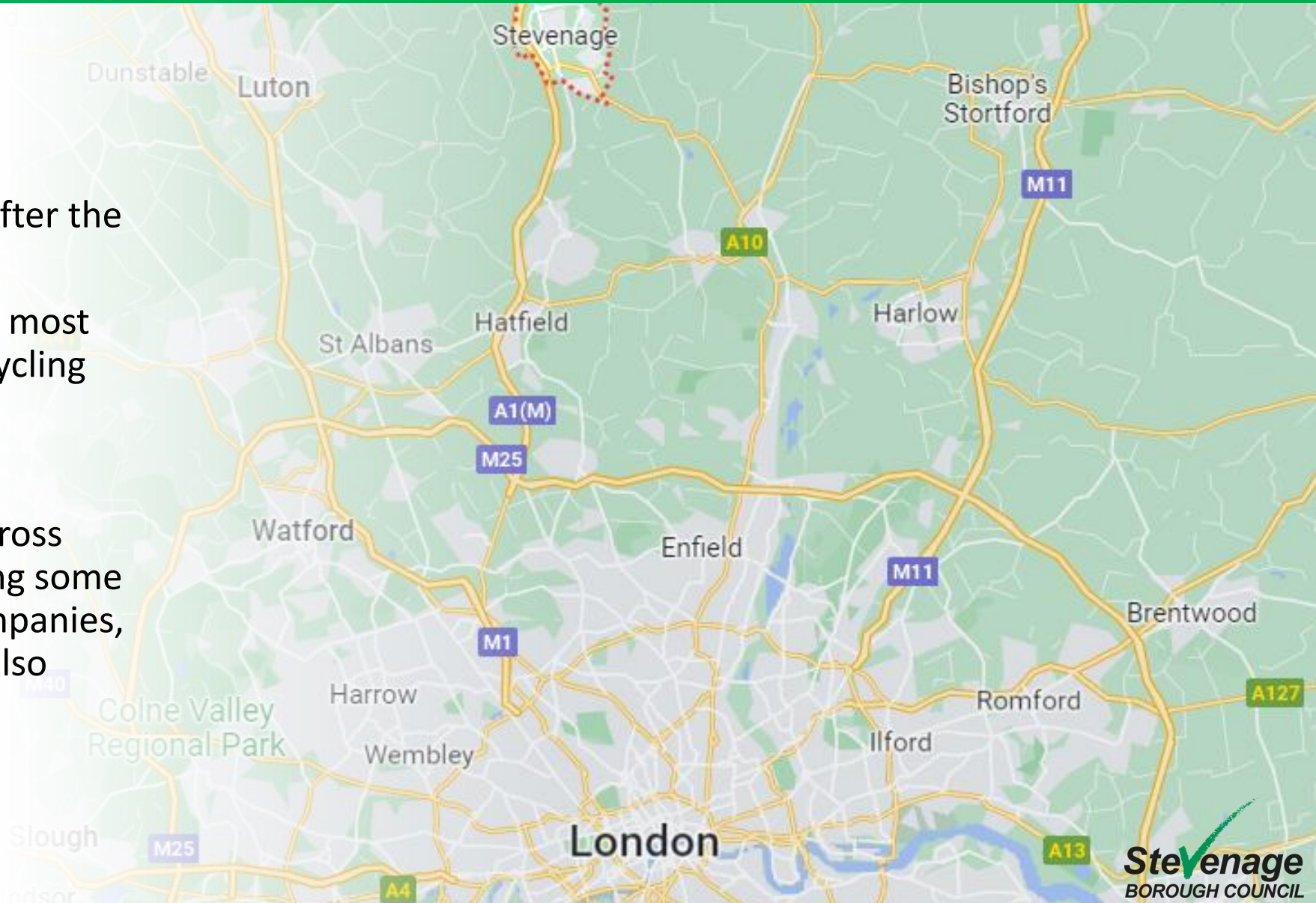
A sustainable future for frontline services

Dr. Veronica Chan

Climate Programme Lead Officer

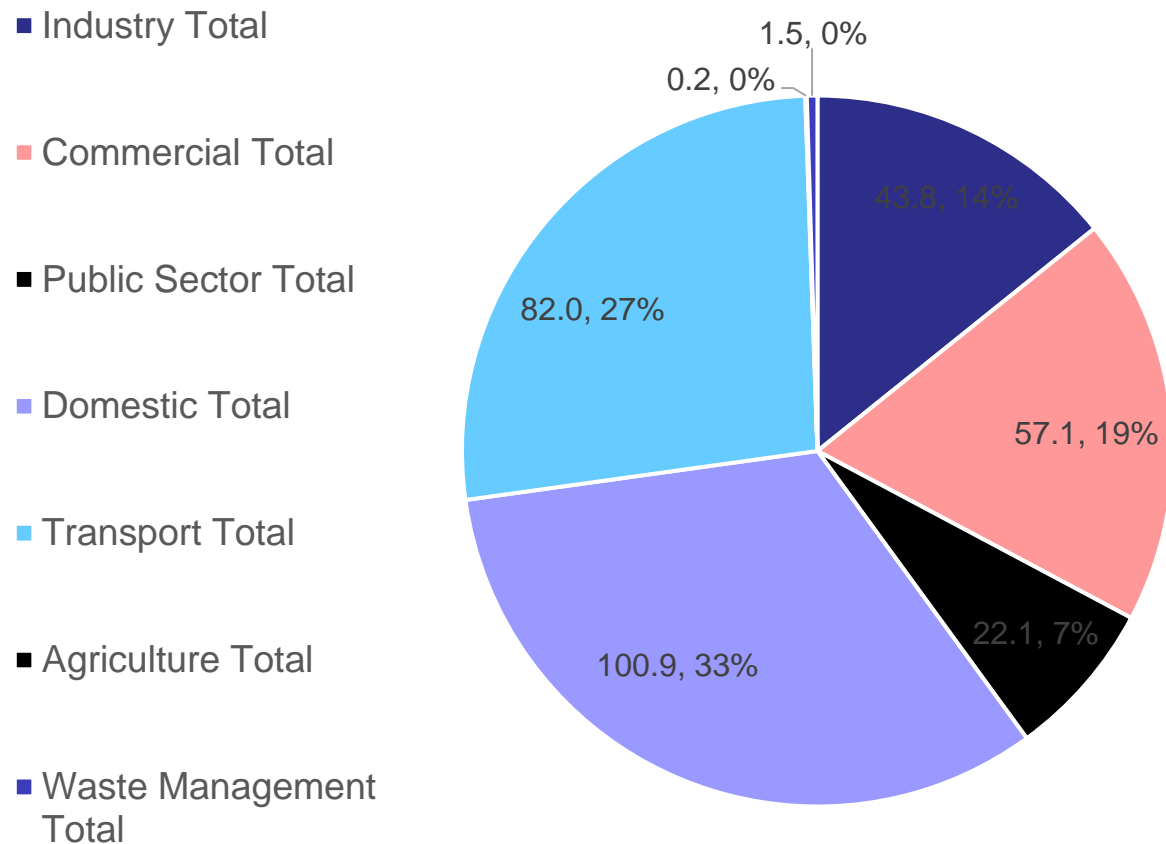
Stevenage

- 27 miles north of London
- UK first new town, built after the wars in 50s
- provided people with the most pioneering walking and cycling infrastructure of its time
- Population of 90k
- Over 3,000 companies across varied industries, including some of the world's largest companies, GSK, MBDA, Airbus, but also MSE



Stevenage Emissions

Stevenage - 2020 CO₂ subset



Target to be Net Zero
by 2030

Grand Total - 308 kt CO₂

SBC Climate Strategy

Homes



Businesses



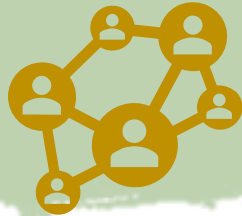
Regeneration



Waste & Recycling



People/
Communities



Biodiversity



Transport



Energy & Water



SBC Climate Strategy



- Energy efficient housing
- Planning policies for zero carbon homes
- Fully electric / zero carbon heating on SBC development



- Communication Plan to educate & inform
- Work closely with a wide range of stakeholders to empower



- Share knowledge to support SME
- Support green recovery & NZ opportunities, incl training & events



- Biodiversity Action Plan renewal
- Tree Protection and planting Strategy
- BNG SPD



- Carbon neutral Civic Hub
- Fully electric regeneration development, incl residential homes, schools, commercial



- Public EV chargers
- Bike hire scheme
- Decarbonise public transport
- Promote active transport



- New Waste Strategy
- Explore circular economy opportunities across county




- Promote renewable energy purchase
- Identify local renewable generation
- Reduce water usage & leaks

Stevenage
BOROUGH COUNCIL

Stevenage Climate Action Plan


Actions Indicators Strategy themes ▾





Stevenage Climate Action Plan


Stevenage Borough Council declared a climate emergency in 2019. Tackling climate change and improving sustainability must be a key foundation for all activities by the Council, local businesses and residents. Here you will find the details of all the actions established to address climate change and their progress.


Strategic themes


- 


Businesses & Homes
- 

Transport
- 

Construction & Regen
- 

People
- 

Energy & Water
- 

Biodiversity
- 

Waste & Recycling

Online Tracker for Climate Actions

- Join effort across different service units
- One-stop shop for climate related activities
- Provide most up-to-date information for internal & external stakeholders
- Track & prompt progress



Actions ← Previous | Next →

Businesses & Homes /

BH3. Refurbishment of Social Housing

Progress

Discussion Not started Initial scoping Planning stage **Underway** Completed

There are many simple ways to insulate your home, such as installing insulation and draught-proofing, can be significantly reduce heat loss and keeping your energy bill low.

The Council is undertaking a programme of major refurbishing work. The programme included energy efficiency measures such as insulation (Loft, Cavity & EWI), energy efficient lighting, windows and doors.

The whole town-wide programme of work will be carried out over five years. To find out more - [Current Major Works \(stevenage.gov.uk\)](#)

Read more

- Improving energy efficiency standard for social housing

Tasks

What's left to do?

30/09/2025	Social Housing Decarbonisation Fund Wave 2.1 Show details >
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What has been done?

✓ 31/05/2023	Social Housing Decarbonisation Funding - Wave 1 Show details >
✓ 31/03/2023	Bid for Social Housing Decarbonisation Fund - Wave 2 Show details >

Impact rating

●●●●

Very high

Responsible organisations

H & I

Portfolio Holder

Jeanette Thomas

Strategy themes

Businesses & Homes

Engagement type

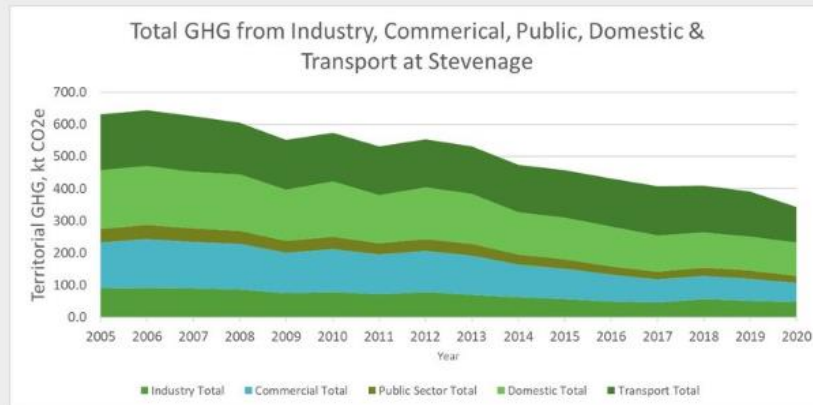
External

Information updated 20/05/2023

Indicators



Indicators



Text search

Name	Type	Updated	Value
Household waste sent for reuse, recycling or composting	Operational indicator	2021	40.2 %
Renewable Electricity Capacity	Operational indicator	2021	3.99
Social Housing EPC Rating A-C	Operational indicator	2022	57 %
Public Charging Devices in Stevenage	Tactical indicator	1/4/2023	59.9 count / 100,000 population



Home

Building back better & greener

5* approach principles are:

- * Sustainable Development
- * Genuinely Affordable Rents
- * Tenure Blind Design
- * Makes Best Use of Land
- * Community Led Consultation



Helston House – 29 homes

- Zero gas
- PV Energy Generation.
- EV Charging points.
- Enhanced insulation
- Triple glazing throughout the scheme
- Grey water heat recovery systems
- LED lighting throughout
- 30 secure cycle spaces to encourage active transport
- Sustainable Drainage Systems Infiltration techniques such as green roofs, rain gardens, pervious pavements and shallow soakaways

Regeneration

New Bus interchange

- Funded by Local Growth Fund Investment
- Pathways to link the bus interchange, town square, train station, and existing cycle network
- Climate-controlled & shelter seating area
- Newly landscaped areas with planted trees and wildflower meadow areas with bulbs to add colour and performing a vital role as part of a sustainable drainage strategy
- Solar panels to provide electricity for general usage
- Fully accessible, unisex toilets and changing facilities



Regeneration

Railway North Multi-Storey Car Park

Sustainability - one of the key considerations from the start

- Lightweight structure foundations
- Use of steel and prefabricated items
- Optimising fleet management for material and waste transport
- Open sided design to maximise natural ventilation
- Motion detectors and dimmable LEDs
- Solar panel and battery system
- 80 bike storage
- 30 EV chargers (with potential to increase to >150)



Low life cycle impact
Grade A in Embodied
Carbon Benchmark



Modular construction
Reduce waste &
operation time



Solar panel & battery
Save 6.6 t CO2 a year,
equivalent to 303 trees



30 EV charging bays
With potential to
increase to 156



80 bike storage spaces



Motion detect &
dimmable LEDs



People

Community Orchards

- 12 community orchards in Stevenage
- Multiple benefits – sense of community, provide fresh fruit, habitat for range of wildlife, promote healthy living & awareness in the environment

Dragons' Den (Community Climate Fund)

- Community lead project to address climate change
- Fund towards mitigation & adaptation projects at neighbourhood

Outreach & Public engagement

- Topic specific citizen group – Active Transport
- Present at Council's organised events
- Collaborate with external stakeholders to reach wider audiences





Transport

The new Enterprise EV Car Club

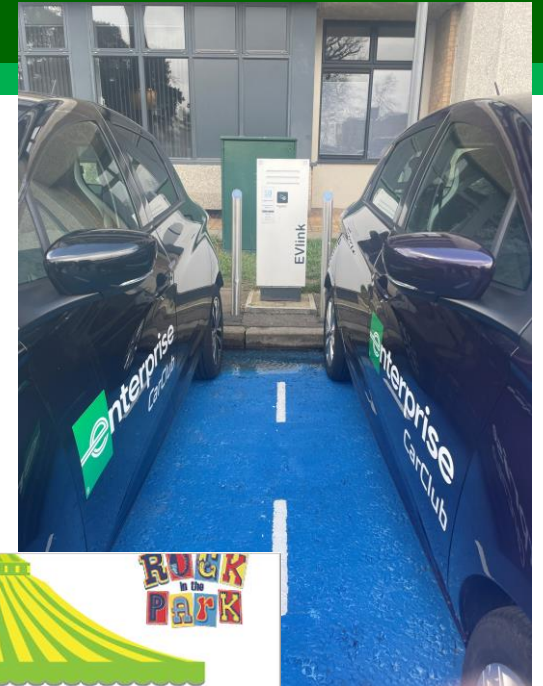
- Located ~5 mins walk away from the train station
- Utilising existing EV charging infrastructure
- Promote it via social media as well as stakeholders, i.e NHS trust, Football club

Public EV Charging

- 49 existing EV chargers
- Will have 18 additional chargers at neighbourhood

Actively promote active travel

e.g. at Council's organised events via providing secure bike parking



Stevenage Re-Imagine

Rock in the Park

supported by

ENJOY

everyone ACTIVE

tollers

BE PART OF IT

Sunday 11 June 2023
King George V Playing Fields
12pm until 5.30pm

- Speciality stalls with local produce, crafts and games
- Arena displays of live entertainment for the whole family
- Rides and attractions
- A wide variety of food and drink including a licensed bar
- Rock in the Park

Free on the day

- Junk Drumming
- Children's Beach
- Caricatures
- Your personalised photos to take away and upload to social media
- Birds of Prey
- Community Stage
- Illusion Show Performance
- Fire show performance

Free bicycle parking available by Stevenage Cycle Hub stand.
Free car parking will be available on the day at:
The Forum, and St Georges Way multi storey car park.

PARK FOR FREE

#StevenageDay
www.stevenage.gov.uk/stevenage-day
email: stevenageday@stevenage.gov.uk



Transport

Other actions toward Council's transport related emissions

- Decarbonisation pathway for our fleet
- Green Travel Plan – set targets for various sustainable transport modes
- Seasonal public transport tickets loan
- Cycle to work scheme to get a bike tax-free
- Pool bikes for commuting between sites/offices
- Green mileage allowance for business travel (if on bike)
- Discount of train and bus travel via Smartgo Stevenage



SBC Climate Adaptation

Park maintenance
Green delivery



Average annual temp 1°C warmer than pre-industrial period

Street maintenance



Chances of hot summer will be 10-20% per year now and increase to 50% by 2050

Staff logistics/resources

Productivity

Leisure maintenance



Sea level risen by 16cm since 1900, will continue to rise for centuries

Insurance

Building Maintenance

Public health

Local air quality

Bin collection

Pest control

Staff wellbeing

IT disruption

Supply chain

Thank you

