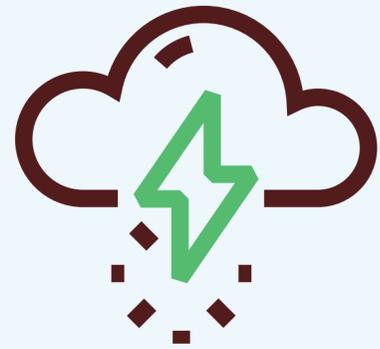


Sunderland The Climate Emergency

Councillor Graeme Miller
Leader of Sunderland City Council
Chair of 2030 Shadow Board

City of **Low Carbon**
Sunderland

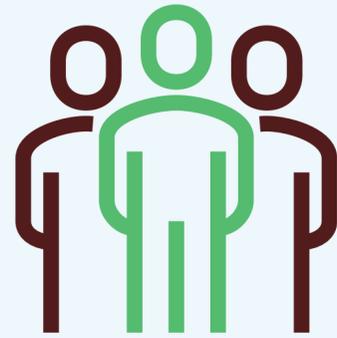
Today's Presentation



The climate emergency



Sunderland city's response



Importance of you



Young People's Advisory Group

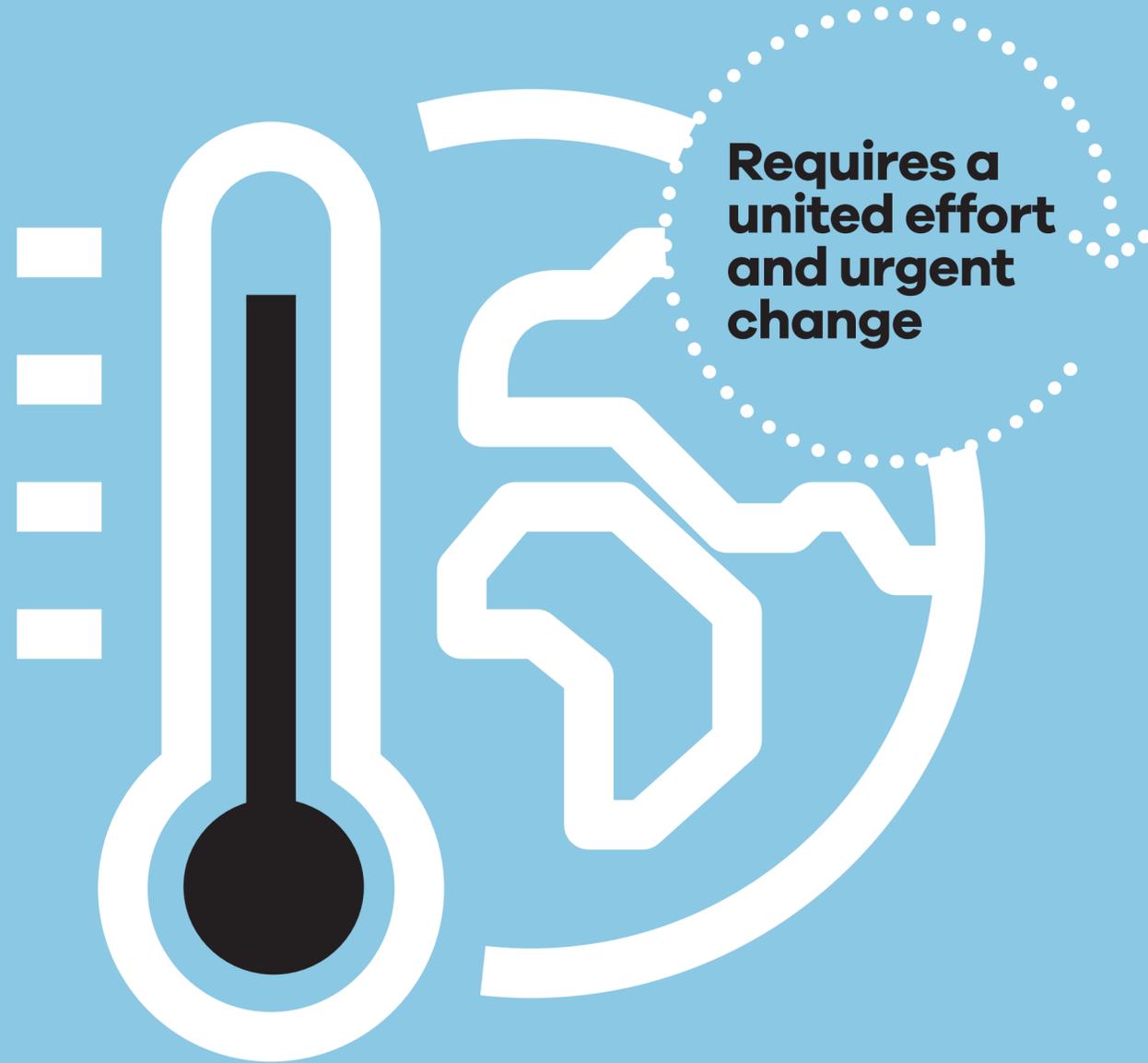


What YOU Can DO TO Help



Questions

The Climate Emergency



**Requires a
united effort
and urgent
change**

World is heating up:
1°C
warmer
than it was
100 years ago.

Business-as-usual
trajectory would
lead to an expected
4-5°C
increase
in global average
temperature by 2100.

**Severe and
widespread
climate
impacts**

Sunderland's Current Position

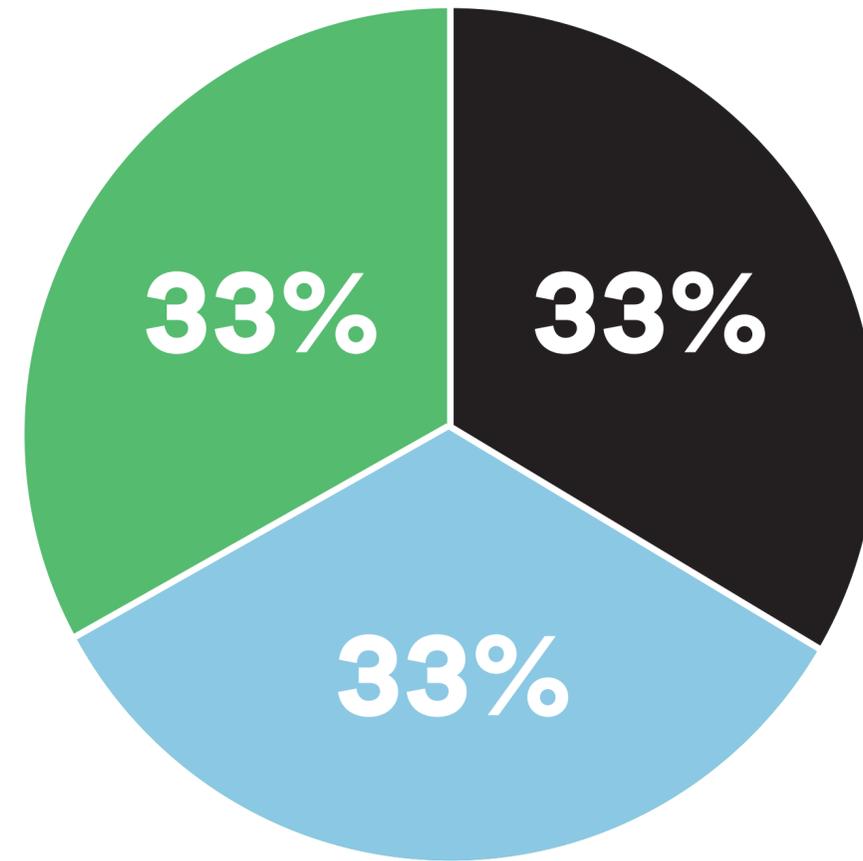
In 2018 we emitted 1.247 million tonnes of CO₂, of which

33% was from industrial and commercial buildings, 33% from domestic buildings and 33% from transport.

On average each person in Sunderland emits 7.1 tonnes of CO₂ annually (2018).

This is equivalent to driving roughly 42,000km in a diesel car, or taking 7 return flights from Paris to New York!

1.247 million tonnes of CO₂ emitted (2018)



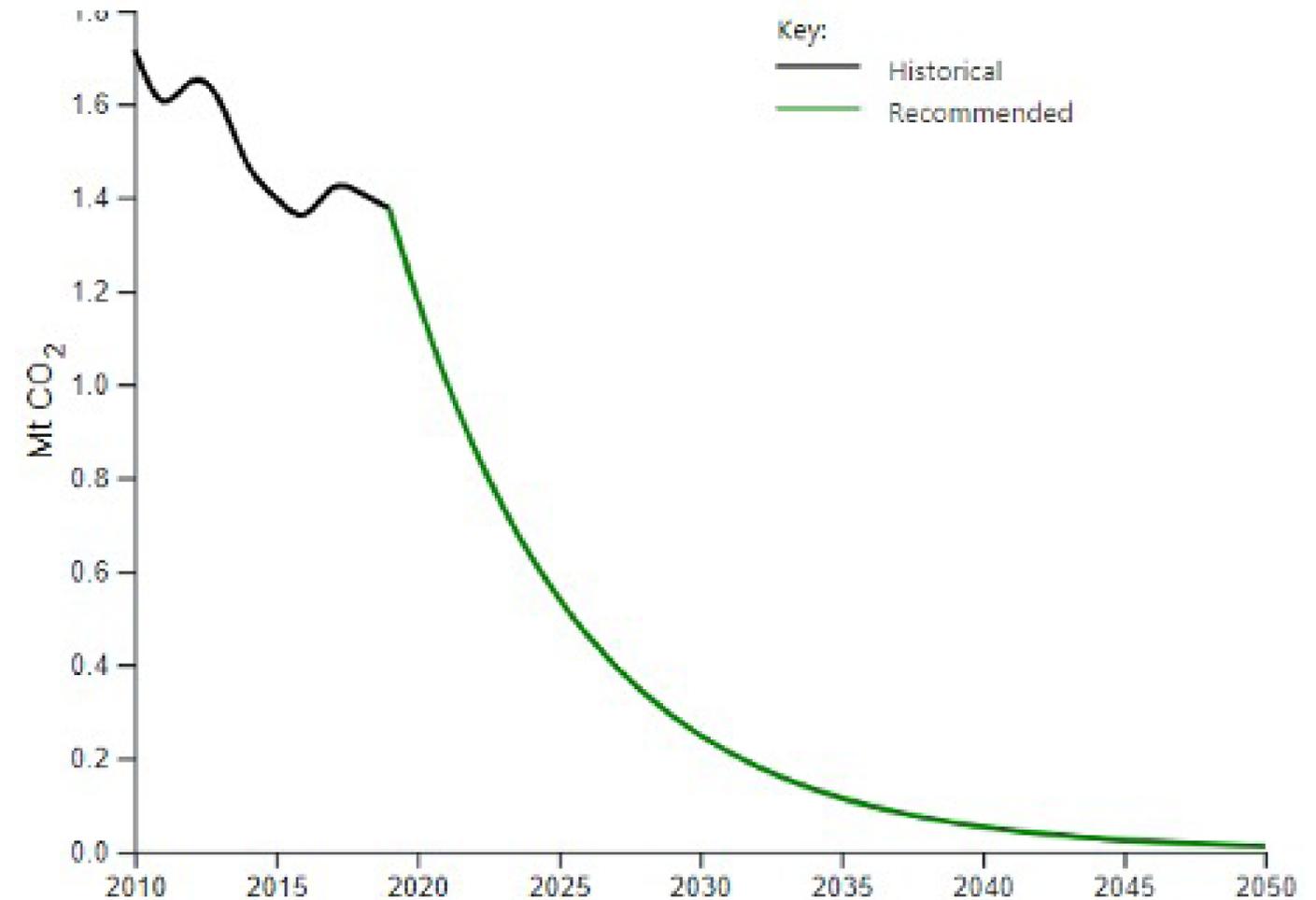
- Transport
- Domestic Buildings
- Industrial and Commercial Buildings

Sunderland's Current Position

We have a carbon budget of **8.2 million tonnes CO2 for the period 2020 to 2100**, to keep global warming below 1.5-2 degrees Celsius.

At 2017 levels, Sunderland would use this entire budget **by 2026**.

Between now and 2040, each individual needs to reduce their carbon footprint **by an average of 200kg CO2 each year**.



Low Carbon Definitions

Carbon Neutral:

Sunderland City Council has a target to become carbon neutral by 2030. Carbon neutral means that while some carbon dioxide emissions are still being generated by a building/process, these emissions are being offset somewhere else making the overall net emissions zero.

Net Zero:

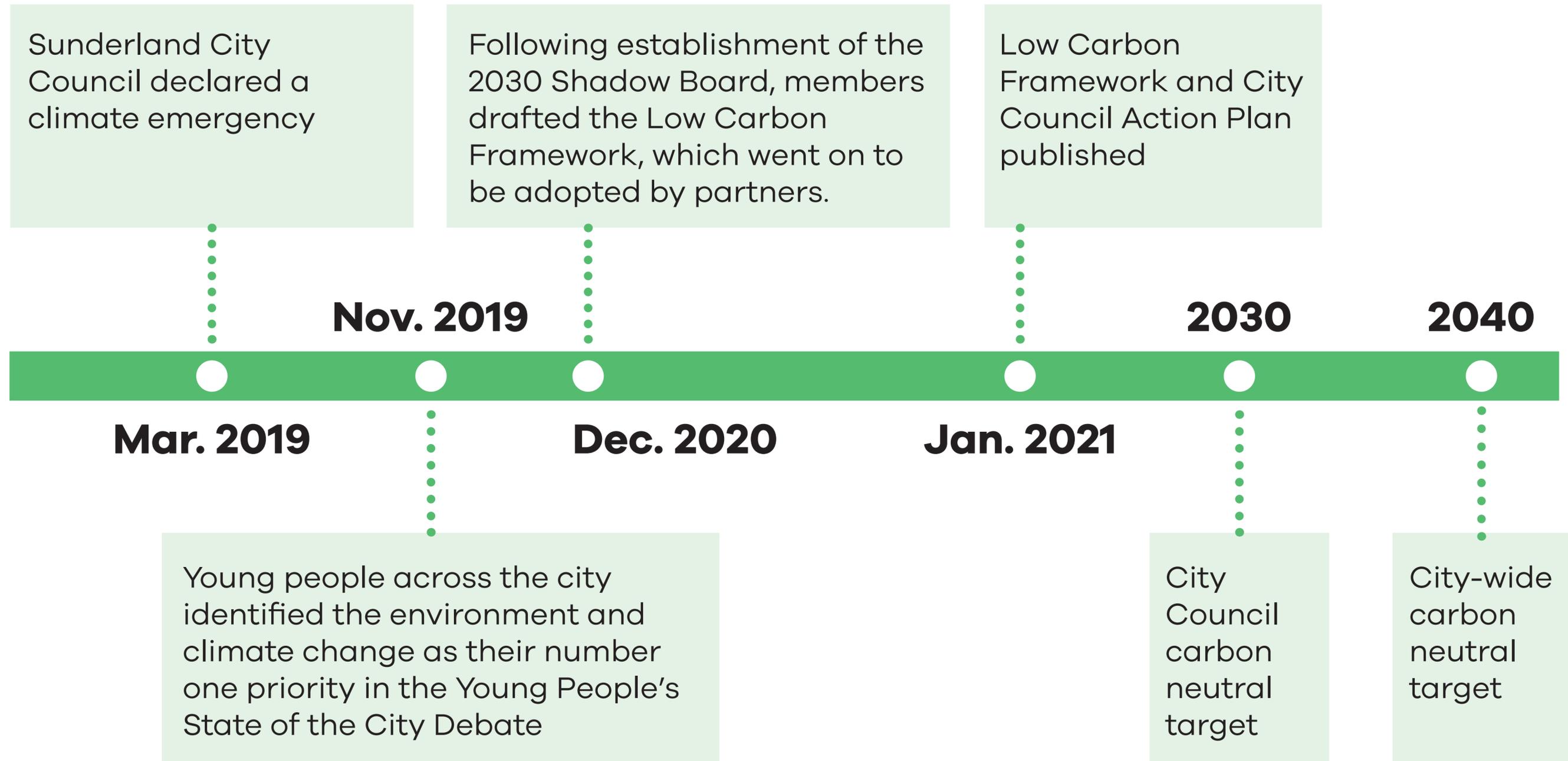
The UK Government has a target to become net zero by 2050. Net zero means that the UK's total greenhouse gas (GHG) emissions would be equal to or less than the emissions the UK removed from the environment. This can be achieved by a combination of emission reduction and emission removal.

Zero Carbon:

Zero carbon means that no carbon emissions are being produced from a product/service e.g. zero-carbon electricity could be provided by a 100% renewable energy supplier.



Sunderland's Commitment



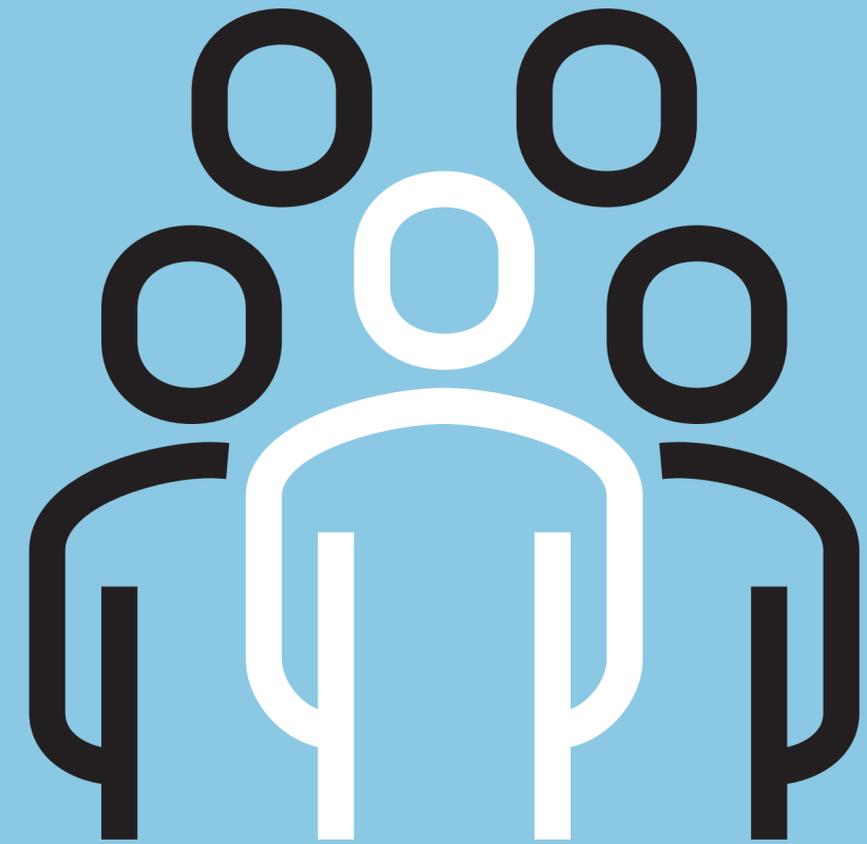
2030 Shadow Board

The partnership, which has developed the Low Carbon Framework through its 2030 Shadow Board, brings together organisations including

Sunderland City Council, Sunderland Youth Council Together for Children, the University of Sunderland, Sunderland College,

South Tyneside and Sunderland's NHS Foundation Trust, NHS Sunderland Clinical Commissioning Group, Gentoo,

as well as the Police, Fire Service, Transport for the North, and business partners through the North East England Chamber of Commerce, together with councillors representing each of the political groups on the Council.

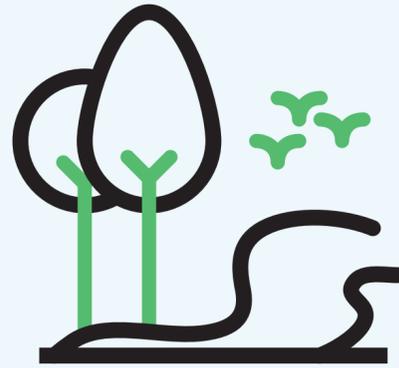


City-wide Low Carbon Framework

Strategic Priorities:

1. **Our Behaviour**
2. **Policies and Operational Practices**
3. **An Energy Efficient Built Environment**
4. **Renewable Energy Generation and Storage**
5. **Low Carbon and Active Transport**
6. **Green Economy**
7. **Consumption and Waste**

Some Changes That Are Already Happening In Sunderland...



Last year through the Urban Tree Challenge Fund, the Council planted

424 large trees

and 2,000 small trees on Council land.

As part of the Eco-flex project, there have already been

28 residential upgrades

delivered, set to save **29 tonnes** of carbon each year.



The Council, like other partners, is delivering energy efficiency measures to its buildings as well as purchasing electric vehicles and installing EV charging points. With a carbon footprint reduction of **46% from 2016-17 to 2018-19.**

Businesses and local homes are receiving energy grants to deliver energy efficiency measures and to save carbon emissions, through the award of

£1.7m funding.



Full rollout of LED street lights across the city were completed by March 2020 - saving approximately

£2.5 million

and 7,500 tonnes of CO2 annually.

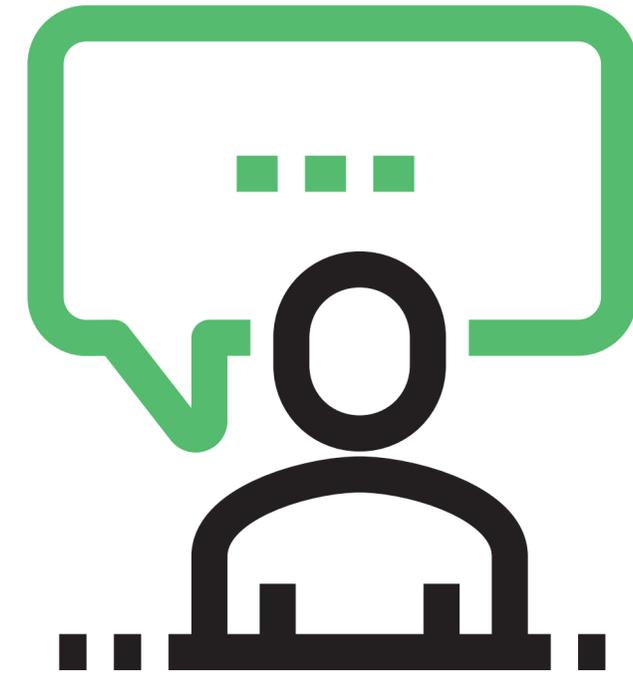


You- Sunderland's Young People



City of Low Carbon
Sunderland

You are the next generation
You are driving change
Use **Your** strong voice
You can be the leading force



The Partnership want to support and empower **You** - the young people of Sunderland in making carbon conscious choices. Let us know **Your** thoughts and ideas and have a say in **Your** future.

The Young People's Advisory Group (YPAG)

The Young People's Advisory Group will be established from September 2021.

The group will be led by Sunderland's young people, with the name and terms of reference to be chosen by them.

The group will be made up of young people of all ages across Sunderland City, including representatives from the College.

This is a great opportunity to influence change within your city as well as a great item to include on your CV!

YPAG will meet regularly to exchange ideas on low carbon and climate topics and will link into the 2030 Shadow Board, influencing local change right at the top!

Do **You** Want To Make A Positive Impact?

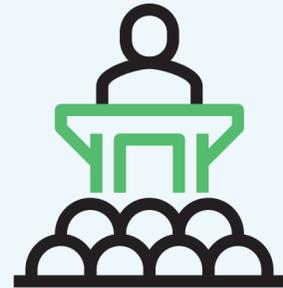
Here are some small, easy and effective, everyday changes that you can make



Talk to and **encourage family and friends** to make simple changes



Speak up
and talk to your Politicians



Reduce
your plastic consumption



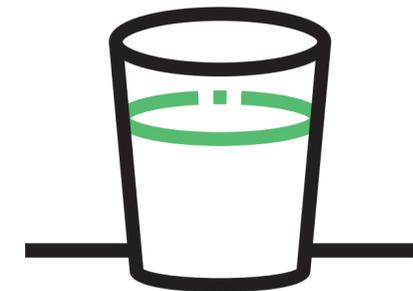
Reuse and repair

Use public transport, cycle or walk



Eat seasonal and **consume more plants** (this doesn't always mean giving up meat completely!)

Refill
where possible and cut down on waste



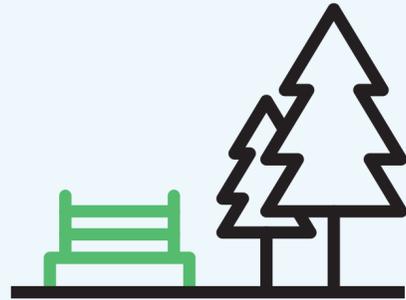
Why not try out these activities?



**Plant flowers
that encourage
and help
pollinator
species**



**Get involved
in local litter
picking**



**Try growing your
own food**



**Learn to
compost**



**Join Sunderland
City Council's
Young People's
Advisory Group**



**Get involved
in College Low
Carbon and
local projects**

Any Questions ?

City of Sunderland **Low Carbon**

Helpful Resources

Easy ways you can reduce your carbon footprint:

<https://www.count-us-in.org/16-steps/>

Explore Cop26 and how you can get involved:

<https://ukcop26.org/>

Local Authority carbon emissions:

<https://data.gov.uk/dataset/723c243d-2f1a-4d27-8b61-cdb93e5b10ff/emissions-of-carbon-dioxide-for-local-authority-areas>

The idea of the Carbon calculator:

<https://www.gov.uk/guidance/carbon-calculator>

Explore CDP and look at other Global examples:

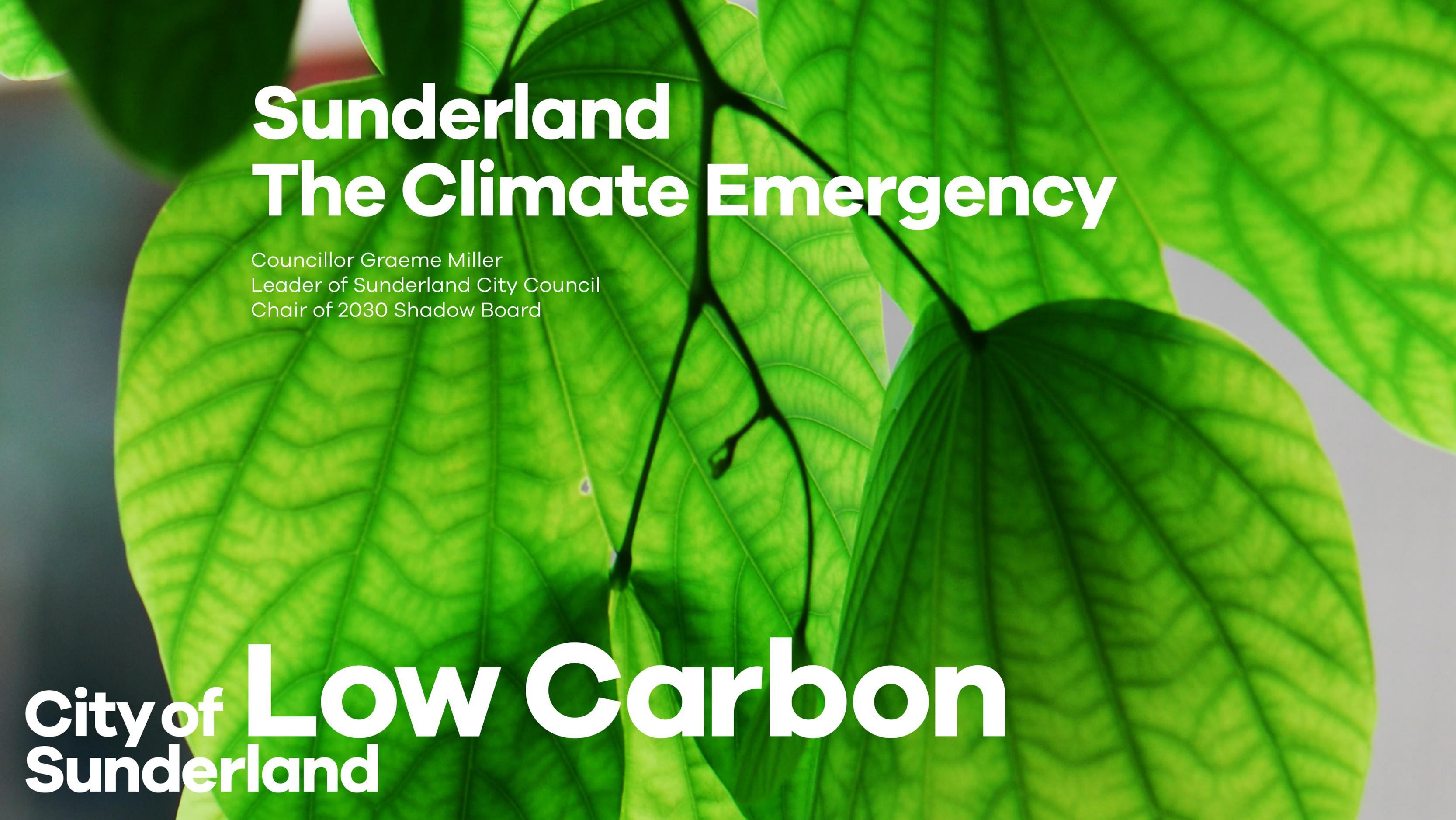
<https://data.cdp.net/>

More about Sunderland's carbon budget:

<https://carbonbudget.manchester.ac.uk/reports/E08000024/print/>

Sustainable Development Goals:

<https://sdgs.un.org/goals>



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