



Leeds
CITY COUNCIL

Clean Air
Leeds

Leeds Climate
Emergency

Climate Emergency

Polly Cook
Chief Officer,
Sustainable Energy and Air Quality



The Leeds climate emergency declaration



**Big Leeds
Climate
Conversation**



www.leeds.gov.uk/climateconversation
[#LeedsClimate](https://twitter.com/LeedsClimate)

1.5°C Target

2019 UN report called for urgent action to restrict global temperature rise to 1.5°C above pre-industrial levels.

World Carbon Budget



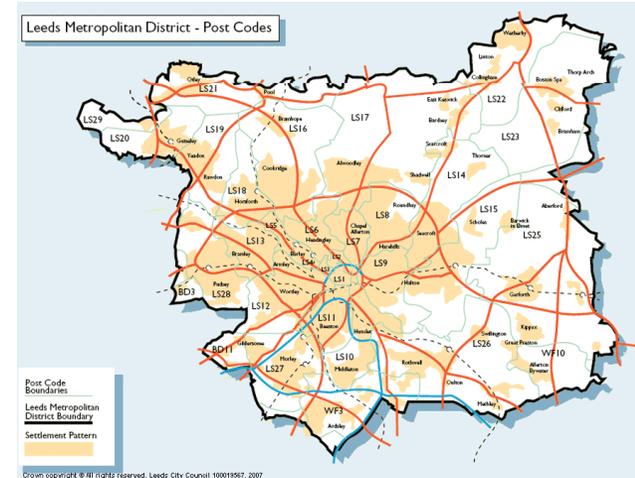
The Intergovernmental Panel on Climate Change
(IPCC) 2018 report:

World carbon budget of 420 giga (billion) tonnes of
CO₂e between 2018 and 2050 in order to keep
global temperature rise within 1.5°C

Carbon Budget for Leeds



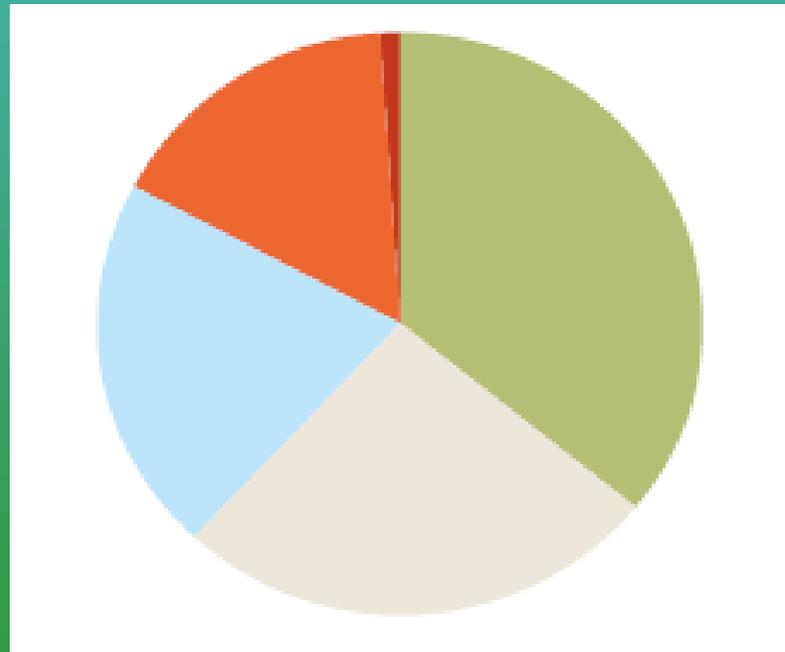
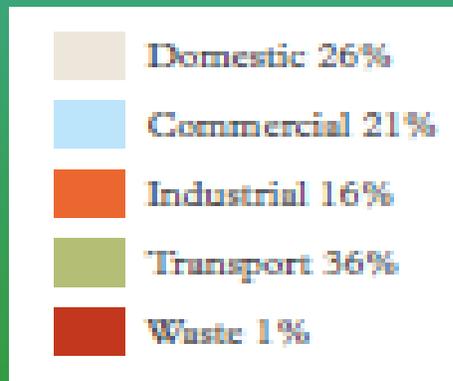
1,752 mega tonnes CO₂_e



42 mega tonnes CO₂_e

This is Leeds' per capita share of the global budget

City's Carbon Emissions



National CCC

The Committee on Climate Change is an independent, statutory body established under the Climate Change Act 2008.



- Provide independent advice on setting and meeting carbon budgets and preparing for climate change
- Monitor progress in reducing emissions and achieving carbon budgets and targets
- Conduct independent analysis into climate change science, economics and policy

Leeds Carbon Roadmap

- The report demonstrates that it is economically possible for Leeds to become a carbon neutral city and to meet ambitious carbon reduction targets in line with the global targets set out by the United Nations.

Leeds
Climate
Commission

Biodiversity

theguardian

UK urged to take lead on biodiversity as UN issues urgent warning

Ministers announce report on economic case for biodiversity, but activists insist actions, not studies, are needed

T

The New York Times

Biodiversity Loss Is Urgent. Spreading the Message Is Hard.

theguardian

Loss of biodiversity is just as catastrophic as climate change

BBC NEWS

Nature crisis: Humans 'threaten 1m species with extinction'



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#LeedsClimate

The Big Leeds Climate Conversation



The Big Leeds Climate Conversation

- Public consultation promoted at over 80 events across the city
- 7,835 individuals participated
- Almost all residents (97.1%) agreed with the scientific consensus that the climate is changing
- More than nine out of ten residents agreed they are worried about wildlife loss (97.3%), biodiversity loss (96.3%), and the frequency of extreme weather events in the future (93.3%)
- Four out of five respondents strongly agree that they are worried about the effects of climate change on future generations (82.7%).

Opinions on proposed 'big ideas'

Every proposal was supported by at least 84% of respondents

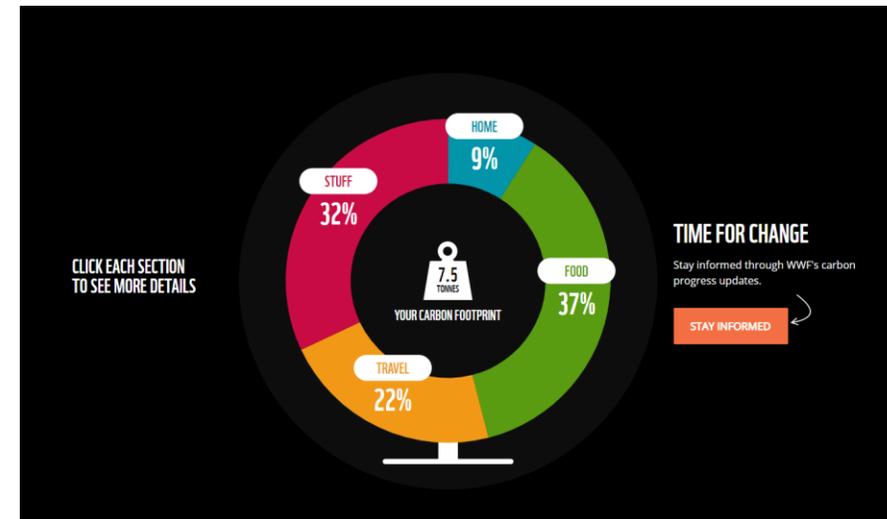
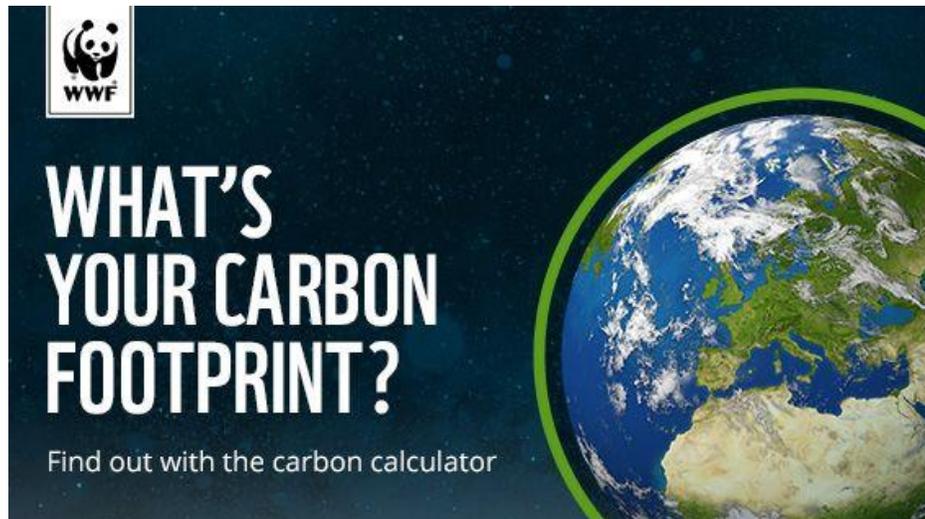
- TOOL: tool libraries
- HYHO: hydrogen gas (heating)
- HYVE: hydrogen gas (vehicles)
- INCE: incentivising homeowners
- MEALS: school meals
- CAZD: clean air charging zone
- TREE: tree planting
- WILD: biodiversity
- OFFS: offsetting scheme
- TRAV: sustainable travel
- TOWN: town centre planning

Figure 22: Public support of proposed big ideas



WWF Carbon Footprint Calculator

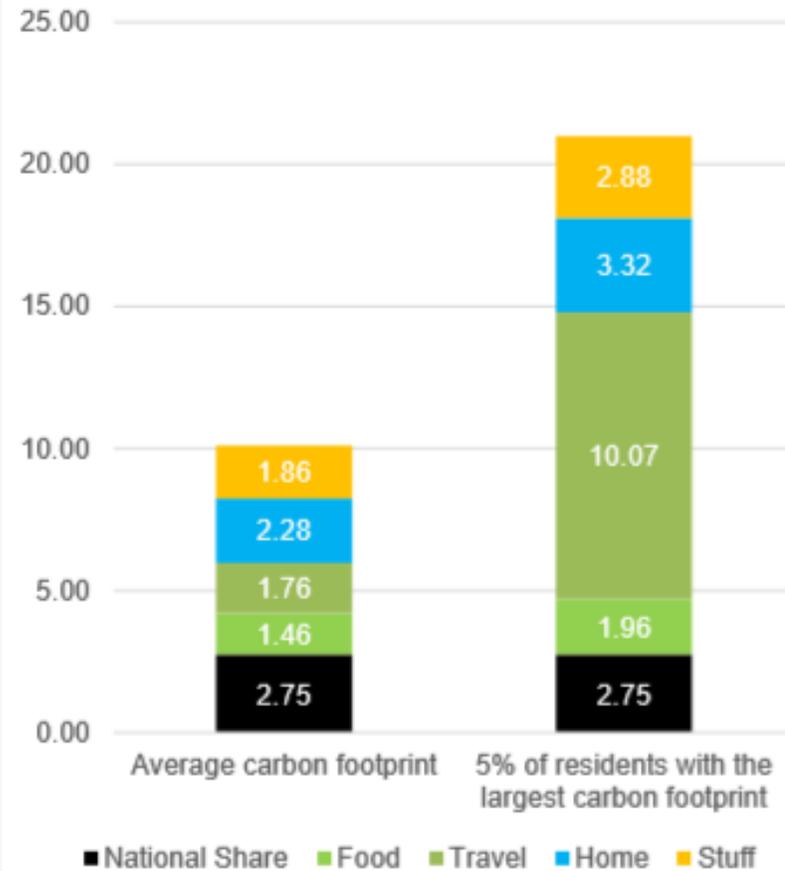
<https://footprint.wwf.org.uk/#/>



Based on data from 2100+ residents, it is estimated that the median carbon footprint of Leeds residents is approximately 10.1 tonnes of carbon dioxide equivalent (CO₂e) every year whilst the mean is 11.38 tonnes.

Both figures are significantly lower than the WWF's estimated 13.56 tonnes CO₂e average

Figure 1 (Appendix 1): Chart to show median carbon footprint breakdown of residents with an LS postcode, according to WWF data (CO₂e)





Over 600,000 tonnes of stuff
is thrown away from Leeds'
homes and businesses every
year



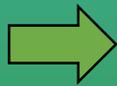


Council's Carbon Emissions

	Tonnes CO ₂ e 2018	Tonnes CO ₂ e 2025
Streetlighting	13,821	0
Buildings (gas)	28,618	20,600
Buildings (electricity)	18,107	1,405
Fleet	10,274	9,000
Total	70,820	31,005

Leeds City Council: Buildings and Staff

Since 2013, the council's estate has been reduced by over a million ft² of office space



Vision for the next five years:

- Rationalisation and energy efficiency programme reducing emissions from council buildings by a further 40% by 2025
- Including a further 20% reduction (approx. 200,000 ft²) in office space
- Investment in energy efficiency of remaining estate



Detailed Energy Audit: energy reduction of 20% achievable with investment of circa £800k (phase 1) (est. payback 8yrs)



District Heating Phase 2: Town Hall, Civic Hall, Museum, Central Library and Art Gallery, and St George's House connecting to network in late 2020, saving over 550 tonnes of CO₂ per year.



Reduction in estate size and retrofitting of Council estate: forecast to reduce our emissions by circa 40%. Key decision needs to be made at national level about how heat will be decarbonised.

Council and Grey Fleet

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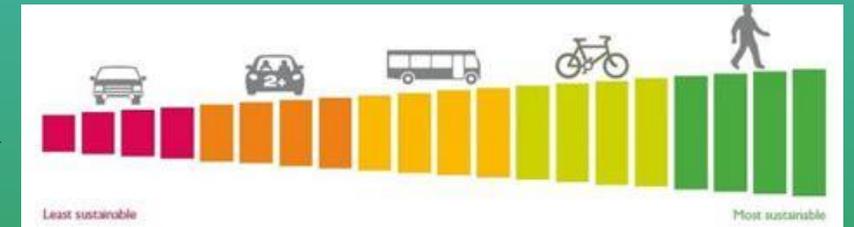
The council has by far the largest local government electric fleet in the UK. By 31st March 2020 the council's fleet will be comprised of 232 electric vehicles

Vision for the next five years:

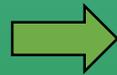
- Undertake no grey fleet mileage in pure petrol or diesel cars by 2025 (no mileage in private cars unless zero emission vehicles by 2030)
- Purchase only low emission vehicles by 2025
- Remove payment for the use of staff petrol and diesel cars by 2025.



Increasing the availability, profile and promotion of sustainable travel options, and using technology and changing processes in support of this



Web-based 'travel hierarchy' tool bringing together into one place all of the available resources in order of sustainability.

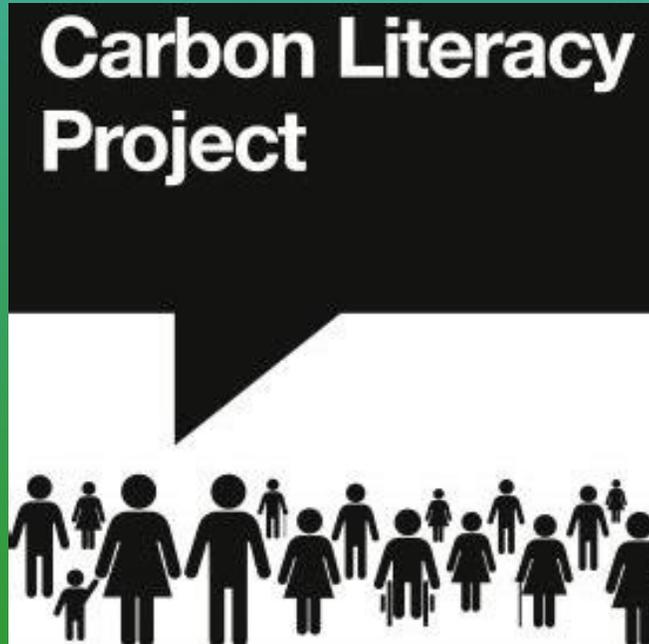


Developing a business case for the introduction of a pool of electric vehicles

Carbon literacy training

- Leeds is working with the Carbon Literacy Trust to develop ‘carbon literacy’ training aimed at heads of council services as part of the Trust’s ‘Carbon Literacy Project’.

Ambition: lead by example and to have more accredited ‘carbon literate’ staff than any other local authority.



- Recognised by the United Nations as one of 100 worldwide Transformative Action Programs and recently awarded funding by the Department for Business, Energy and Industrial Strategy to develop materials for the public sector
- 11,000+ citizens across 800+ organisations already certified as carbon literate by the Trust
- Participants attend a ‘day’s-worth of learning’ which includes filling out a short assessment form and committing to two pledges (something they can change immediately and something they can work on)
- Participants must relay the information or part of what they’ve learned to at least one other person

Procurement

- In 2017 to 2018 – Council spent in excess of £800 million on the procurement of goods, services and works
- Guidance being developed to ensure that the climate emergency is embedded in every stage of the process
- Initial focus on high priority procurements – high expenditure, large environmental impacts and/or due for renewal shortly



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Questions?