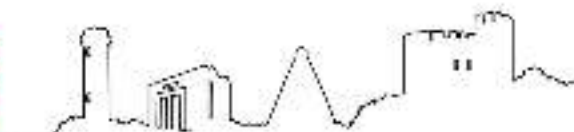


# **Carbon Reduction Plan Climate Change and Environment Scrutiny Committee.**

January 2023



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# Content

- Climate Emergency UK Scorecard
- Progress update
- Carbon Reduction Plan
- Carbon Reduction Plan Teams and Timeline
- Links to Strategy
- Priority Actions



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⋮ No Council  
is Doing  
Enough



83% Councils have declared a Climate Emergency,



Action plans and related documents after 2015 and before 20<sup>th</sup> September 2021 have been used as part of the Climate Action Scorecards.



Progress has been made, but we need to do more.

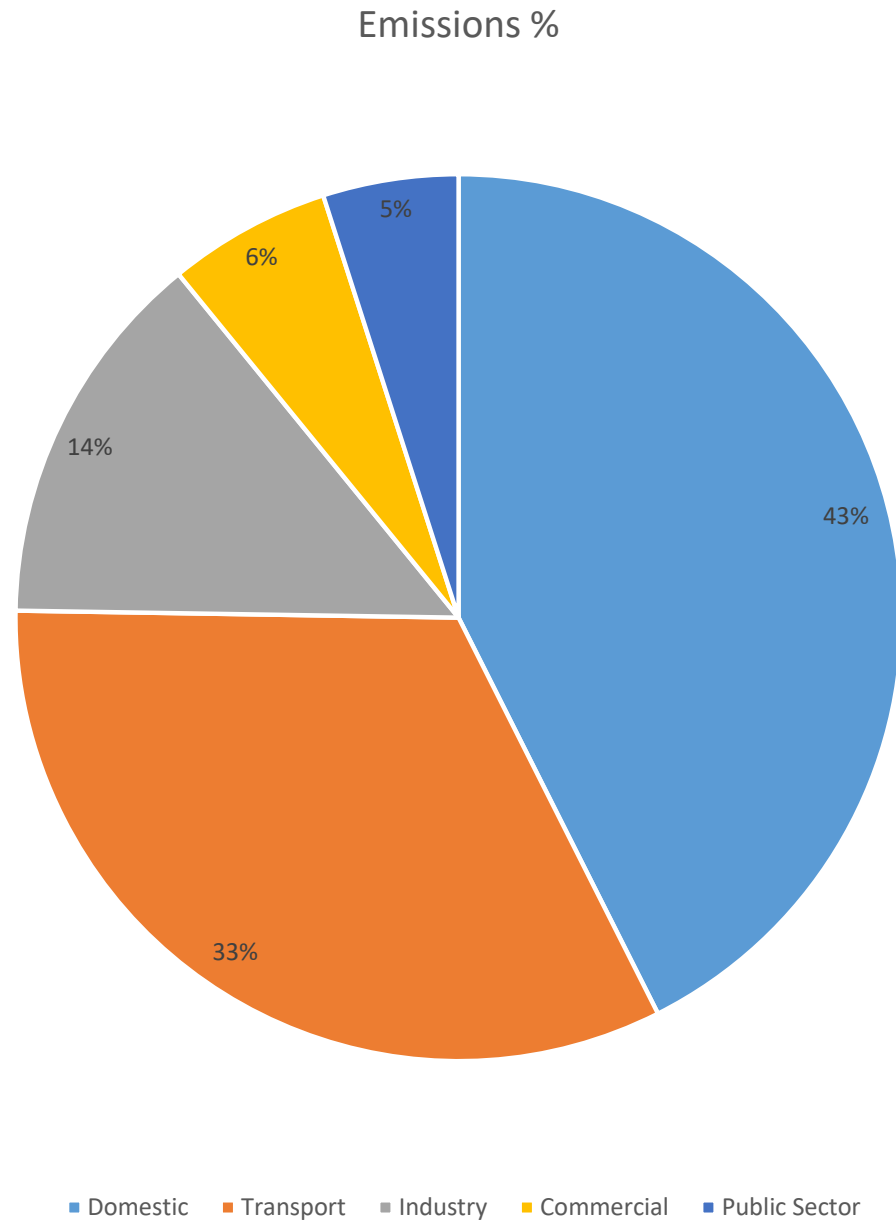


# 2021 Baseline

- CLIMATE PLAN SCORECARD
- This council's climate plans as of 20th September 2021 were assessed and scored by trained Climate Emergency UK volunteers, as part of the Council Climate Plan Scorecards project.
- [Show the full Scorecard Read more about the scoring process](#)
- Dudley Metropolitan Borough Council scored **zero points** in this assessment. This is because the council either didn't have any published plans at the time of the assessment, or [the plans didn't qualify](#).

Section	<a href="#">Dudley Metropolitan Borough Council</a>	Average single tier council
Total score	<b>0%</b>	<b>50%</b>
Section 1 Governance, development and funding	0/21	10.3/21

# Dudley Emissions Breakdown per Sector.



# Average Mitigation Rates 13.1%

- The results in this report show that for Dudley to make its fair contribution to delivering the Paris Agreement's commitment to staying “well below 2°C and pursuing 1.5°C” global temperature rise, then an immediate and rapid programme of decarbonisation is needed. At 2017 CO<sub>2</sub> emission levels, Dudley will exceed the recommended budget available within 7 years from 2020. **To stay within the recommended carbon budget Dudley will, from 2020 onwards, need to achieve average mitigation rates of CO<sub>2</sub> from energy of around -13.1% per year.** This will require that Dudley rapidly transitions away from unabated fossil fuel use. For context the relative change in CO<sub>2</sub> emissions from energy compared to a 2015 Paris Agreement reference year are shown in Table 3.

- Table 3: Percentage reduction of annual emissions for the recommended CO<sub>2</sub>-only pathway out to 2050 in relation to 2015**

- 

Year	Reduction in Annual Emissions (based on recommended pathway)
2020	23.0%
2025	61.9%
2030	81.2%
2035	90.7%
2040	95.4%
2045	97.7%
2050	98.9%

••• Draft  
••• Methodology  
••• – 7 Sections  
•••

Buildings and Heating

Transport

Governance and Finance

Planning

Biodiversity

Collaboration and Engagement.



# Climate Emergency UK - Scorecard

Sections	Dudley Metropolitan Borough Council	Average single tier council score
<a href="#">Governance, development and funding</a>	0/21	10.3/21
<a href="#">Mitigation and adaptation</a>	0/18	9.0/18
<a href="#">Commitment and integration</a>	0/7	4.1/7
<a href="#">Community, engagement and communications</a>	0/9	5.1/9
<a href="#">Measuring and setting emissions targets</a>	0/5	2.9/5
<a href="#">Co-benefits</a>	0/4	2.2/4
<a href="#">Diversity and inclusion</a>	0/5	0.9/5
<a href="#">Education, skills and training</a>	0/5	2.3/5
<a href="#">Ecological emergency</a>	0/4	2.1/4



<b>Council name</b>	<b>Similarity</b>	<b>Has plan</b>	<b>Carbon Neutral by</b>	<b>Declared emergency</b>
<a href="#"><u>Redditch Borough Council</u></a>	87%	No	2050	Sept. 23, 2019
<a href="#"><u>Bury Metropolitan Borough Council</u></a>	86%	Yes	2038	July 10, 2019
<a href="#"><u>Nuneaton and Bedworth Borough Council</u></a>	86%	No	2030	Dec. 4, 2019
<a href="#"><u>Greater Manchester Combined Authority</u></a>	86%	No	2038	July 26, 2019
<a href="#"><u>Tamworth Borough Council</u></a>	86%	No	2050	Oct. 19, 2019
<a href="#"><u>Stockport Metropolitan Borough Council</u></a>	85%	No	2038	March 28, 2019
<a href="#"><u>Sheffield City Council</u></a>	84%	Yes	2050	Feb. 6, 2019
<a href="#"><u>Gloucester City Council</u></a>	84%	Yes	2030	July 11, 2019
<a href="#"><u>Worcester City Council</u></a>	83%	No	2030	July 16, 2019
<a href="#"><u>Tameside Metropolitan Borough Council</u></a>	83%	No	2038	Feb. 24, 2020



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# Low Carbon Electricity

- CO<sub>2</sub> emissions in the carbon budget related to electricity use from the National Grid in Dudley are largely dependent upon national government policy and changes to power generation across the country. **It is recommended however that Dudley promote the deployment of low carbon electricity generation within the region and where possible influence national policy on this issue.**



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# Council Progress Update

- Focus on the corporate estate, CLS Consultancy on behalf of DMBC have carried out a baseline assessment of the corporate estate, including grey fleet for scope 1&2 emissions.
- This will provide us with a baseline 2019, aspirations for the next 5 years and ideas for decarbonising the corporate buildings.
- This work was completed in September and will feed into the wider Carbon Reduction Plan.
- An internal working group on behavioural change delivered the first meeting in August, it's important that this work feeds into the wider plan on Carbon Reduction.
- Review on commercial benefit of Solar PV, will start October 2022.
- Trajectory's to demonstrate reaching Net Zero by 2041 are currently being reviewed.



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# Carbon Reduction Plan

- A wider Borough plan now needs to be commissioned, this plan will support the aspirations of the West Midlands and tie into future innovation and funding opportunities.
- We will start with our own operations, using the data collected during the past 3 months, this will inform the baseline and also commercial business cases.
- Each directorate will take ownership for delivery of carbon targets.
- Workstreams will define priority actions, policy, funding, capital expenditure, resource and delivery of targets and KPI's.
- A Energy/decarbonisation, Waste and Climate Emergency strategy will be commissioned, this will set out the vision, sense of direction and provide a 5 year action plan for the council, all supported by marketing and communications.
- Set up governance arrangements to monitor progress



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# Teams and Timeline

## Buildings

- Housing Directorate
  - Property and capital projects
  - Regeneration and new builds
  - Sustainability
  - Planning Policy
  - Trading Standards
- 
- **Cross cutting: Communications**
  - **Cross cutting: Finance and Procurement**

## Transport

Transportation  
Fleet Services

## Waste & Offsetting

Waste and Fleet  
Air Quality



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# Cabinet Report: Timeline

- | <b>Expected Date</b> | <b>Proposed activity</b>   |
|----------------------|--|
| • October – December | Scoping policies, programmes and projects to develop the scope for the Carbon Reduction Plan.                                    |
| • February 2023      | Tender for consultants to start the Dudley Carbon Reduction Plan   |
| • February – March   | Engagement programme with key stakeholders   |
| • April              | Cabinet Report   |
|                      | Request to consult with residents on the final carbon reduction plan   |
| • September          | Final draft of Carbon Reduction Plan incorporating engagement and consultation outcomes CRP to Cabinet and Council for approval. |



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# Links to Strategy

- Circular Economy, links to West Midlands Industrial Symbiosis programme WMISP.
- Waste Strategy,
- Heat Decarbonisation/Energy Strategy, links to smarter cities.
- Climate Emergency Strategy, building a resilient Dudley.



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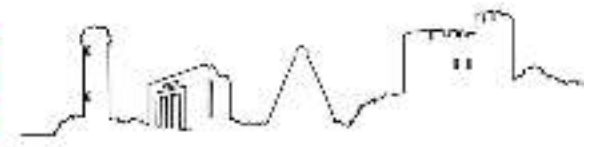


# Priority Actions

Priority Action	Cost over 10 years (£) and staff requirements
<p>Buildings</p> <ol style="list-style-type: none"><li>1. Use baseline data from CLS study to inform decisions on installed measures. Set up a £1M invest to save scheme.</li><li>2. Consider opportunities for heat networks, starting with EFW, use of generated electricity and EV Fleet.</li><li>3. Local generation, using public sector to create energy hubs</li><li>4. Consider opportunities for demand side response, energy storage and smart/flexible technologies</li><li>5. Heat pump installer training, links to skills gaps and green jobs.</li><li>6. Initiate exemplar new build projects of LA owned or partially owned housing at a very high standard of energy efficiency.</li></ol>	



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# Priority Actions

Priority Actions	Costs over 10 years (£) and staff requirement
<p><b>Publicity campaign</b></p> <ol style="list-style-type: none"><li>1. Run a major publicity campaign covering all aspects of the Net Zero Plan.</li><li>2. Set up Council staff champions, to be advocates on Climate Change.</li></ol>	<p>Up to 2 FTE £100K until 2026</p>
<p><b>Planning Policy</b></p> <ol style="list-style-type: none"><li>1. Explore opportunities to raise new build non-domestic carbon emissions standards above the National Planning Policy Framework.</li><li>2. Initiate low carbon heat networks schemes in cost effective and heat density locations, acting alone or in a public – private partnership</li><li>3. Introduce carbon offsetting, offset payment from developers who can't meet Net Zero targets, £300 per tonne.</li></ol>	

