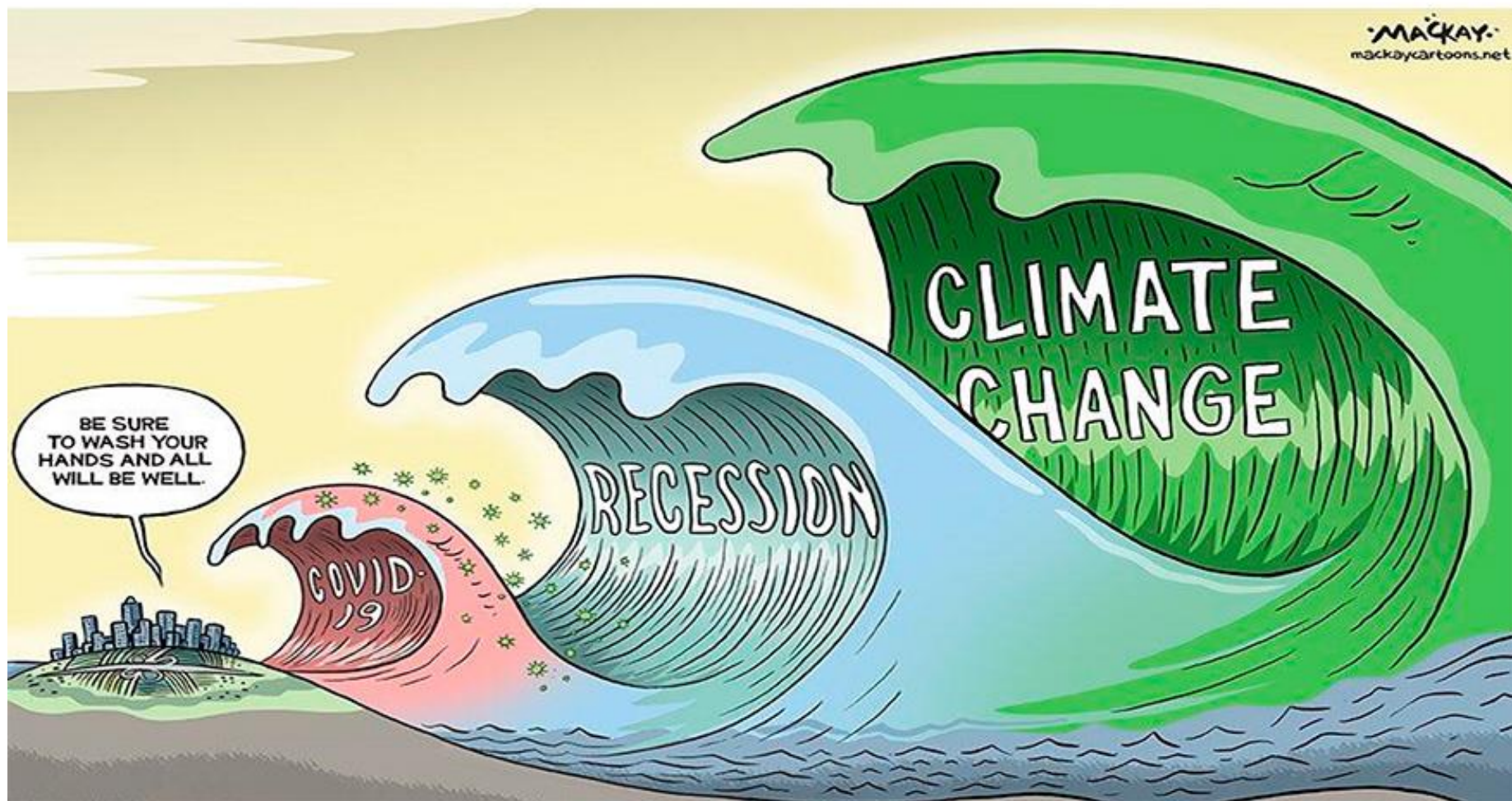
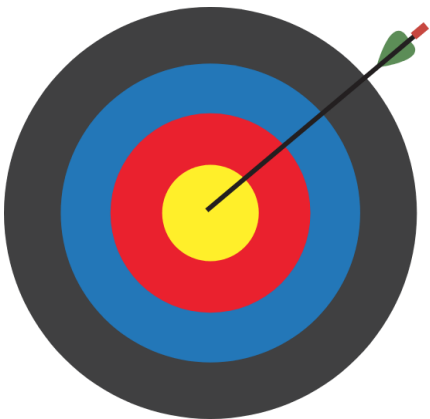


Swindon Borough Council Net Zero update

15th September 2021





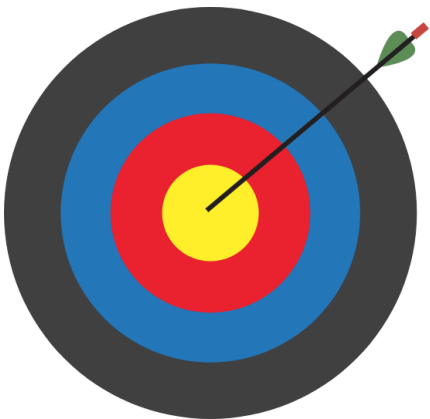


International

- The Paris Agreement sets out a global framework to avoid dangerous climate change by limiting global warming to **well below 2°C and pursuing efforts to limit it to 1.5°C**.

United Kingdom

- In June 2019, the UK Parliament passed legislation (Climate Change Act) requiring the government to **reduce the UK's net emissions of GHGs by 100% relative to 1990 levels by 2050**. Doing so would make the UK a 'net zero' emitter. Prior to this, the UK was committed to reducing net GHG emissions by at least 80% of their 1990 levels, also by 2050.
- In June 2021, the UK Government will enshrine in law a new climate change target to **reduce GHG emissions by 78% by 2035 compared to 1990 levels**. This takes the UK more than three-quarters of the way to reaching net zero by 2050.



Swindon

- In January 2020, the Council passed a motion that: “Commits the Council to an 80 per cent reduction in the council`s corporate carbon emissions no later than 2030, striving towards 100 per cent with carbon offsetting by the same date, with the **aim of making the council’s estate and activities net-zero carbon by 2030.**”
- Swindon Borough Council has also taken the additional commitment to support the wider borough become **net zero GHG emissions by 2050.**

Before COP26

- **Legislate the Sixth Carbon Budget** (2033-37) at 965 MtCO₂e*

- **Updated Nationally Determined Contribution (NDC)** for at least a 68% reduction on 1990 levels

- **Comprehensive Net Zero strategy** setting out the Government's vision for how to achieve Net Zero

- **Finalisation of multiple strategies and decisions, including:**

- Energy White Paper

- Heat and buildings Strategy

- New carbon pricing regime following EU ETS

- Transport decarbonisation plan

- Final HMT Net Zero review

- Tree and peat strategies

- Industrial decarbonisation strategy

- Rail decarbonisation strategy

- Next Contract-for-Difference allocation round

- National food strategy and white paper

- Hydrogen strategy

2030

Roll out

By 2030: Recycling rate of 70% achieved

By 2032: 100% of sales of cars and vans are fully electric

By 2033: Sales of gas boilers to all homes and business phased out

By 2035: Phase out of unabated gas for electricity generation

By 2035: Annual tree-planting rates of 50,000 ha/year

By 2035: All ore based steel making near zero emissions

By 2040: Phase out sales of new diesel HGVs

Scale up of low-carbon electricity and hydrogen, GHG removals and CCS Infrastructure

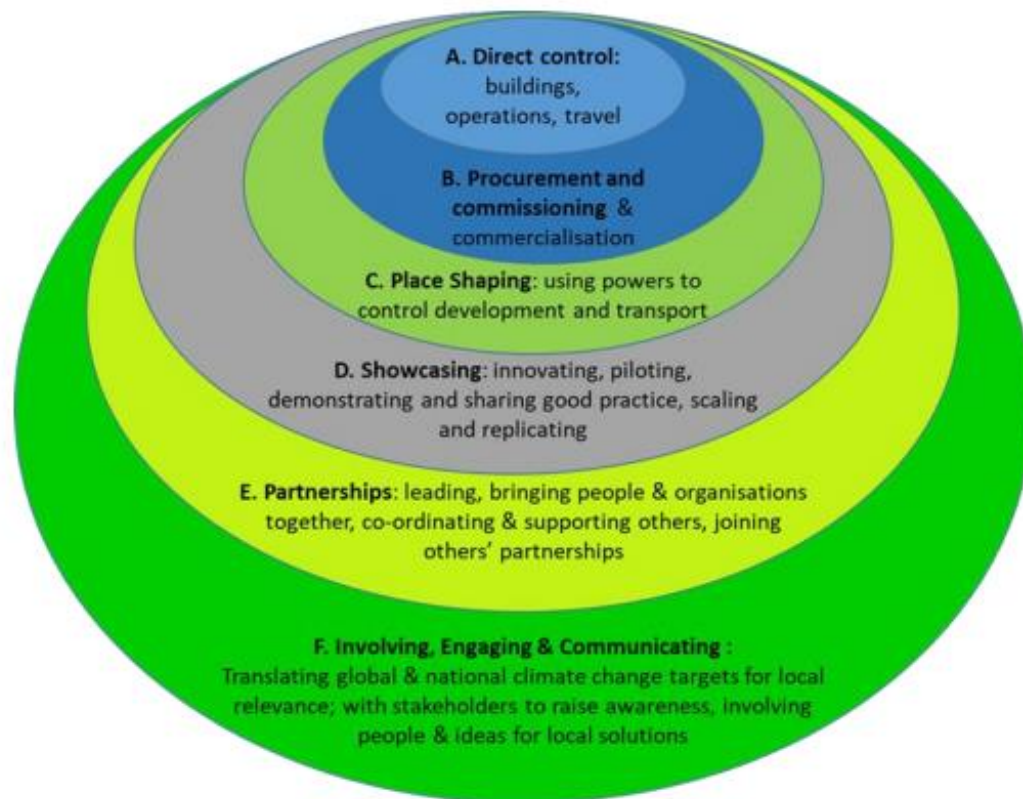
2050

Net Zero

**Including emissions from international aviation and shipping (IAS)*

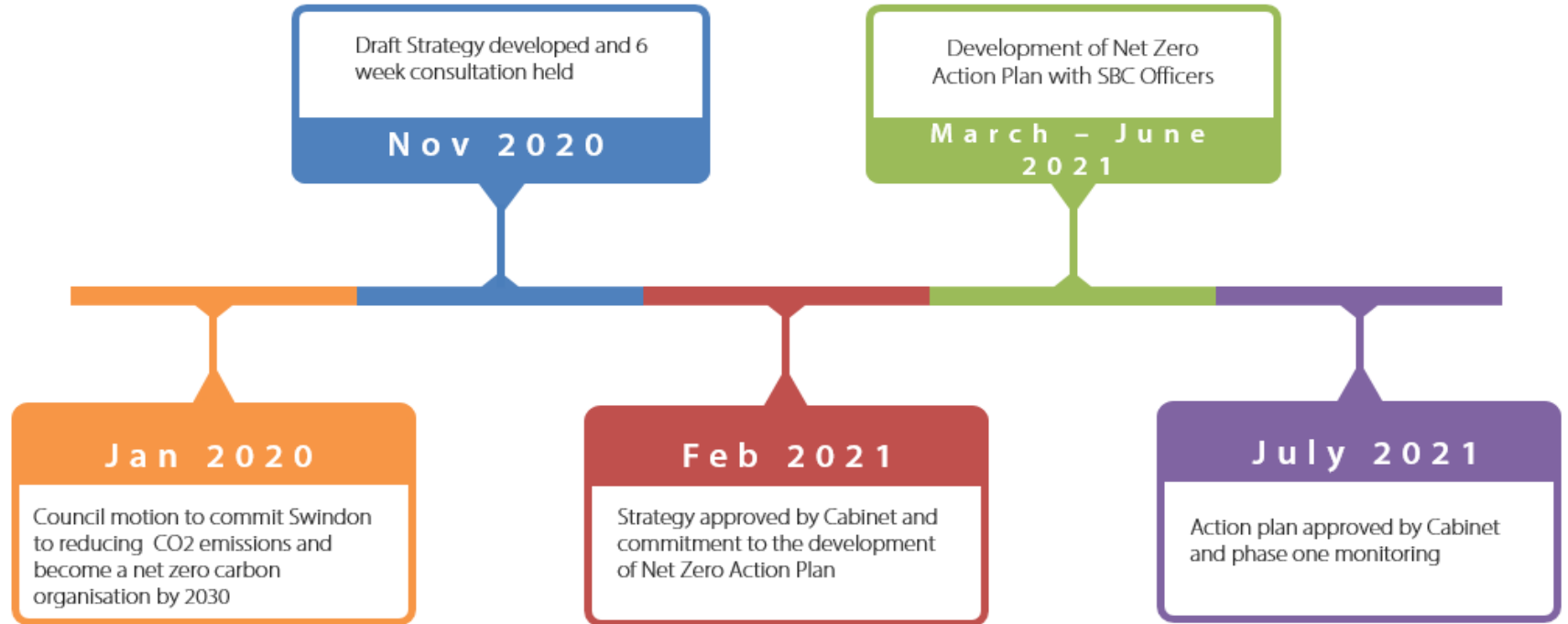
“Central government has not yet set out to local authorities how it will work with them to clarify net zero responsibilities. It has committed to outline responsibilities at national, regional and local level in its overall net zero strategy – publishing before the UN climate conference in November 2021.” – **National Audit Office, July 2021**

Figure 1.2 How local authorities control and influence emissions



Source: 'Onion diagram' based on internal Centre for Sustainability model and amended for this report.

Timeline to action



Net Zero Emissions Action Plan

- Sets out the initial set of existing and planned actions to:
 - ❑ Achieve net zero in SBC's organisational greenhouse gas (GHG) emissions **by 2030**
 - ❑ Support and residents and organisations across the Borough on the journey to achieve net zero GHG emissions **by 2050**, which links to the UK-wide same date target set by the UK Government

2030 organisational targets

- Examples of actions underway:
 - Over 17,000 of Swindon Borough's 28,000 streetlights replaced by LEDs making major contribution to electricity consumption
 - Installation of a 1.2MW battery at our operations depot (Waterside Park) will store c.402,000 kWh of the excess generation each year from Barnfield Solar Farm that is currently sold to the grid
 - Taking delivery of 15 ultra-low emissions vehicles as part of the wider Council fleet replacement strategy

2050 borough-wide target

Examples of actions underway:

- 350 hectares of woodland being planted across the Great Western Community Forest over the five-year period of the programme – approx. 500,000 trees in total
- Progressing 'Be the change' climate change communications campaign in Swindon to raise the profile of the net zero agenda, engaging residents and organisations
- Currently consulting on:
 - Draft Local Plan Review 2036 public
 - Draft Local Transport Plan refresh
 - Draft electric vehicle charge point strategy
 - Local cycling and walking infrastructure plan

'Be the change' climate change campaign



Campaign objectives

1. Raise the profile of climate change in Swindon
2. Showcase the contribution that Swindon residents and organisations are already making by taking action to reduce their emissions
3. Make it easy for residents and organisations to act - signposting information and resources

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Be the Change

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Councillor Keith Williams
Cabinet Member for Climate Change, Swindon Borough Council
BBC POINTS WEST

Points West

Points West

Points West

Zero Carbon Tour event at STEAM – 9 Sept



Thank you

www.swindon.gov.uk

