

Carbon Action Plans

Herefordshire Carbon Management Plan 2017-2021

Council wanted the plan made it more readable and accessible

The aim of this document is fourfold:

- ▶ 1. To **showcase progress** made since the start of CMP-11.
- ▶ 2. Establish a **pathway towards achieving a 40% reduction** in CO₂e by 2021 (based on 2008/09).
- ▶ 3. Establish the **financial business case** for managing greenhouse gas emissions.
- ▶ 4. To act as an **information sharing portal** and to engage readers through the use of infographics and summary details.

ACHIEVEMENTS SINCE 2011



COST SAVINGS

Estimated cost savings of
£ 7.5 million



STREET LIGHTING

100% LED street lighting
across the County



CO₂e EMISSIONS

29% reduction in CO₂e
(since baseline 2008/09)
in 2015/16



RENEWABLE ENERGY

Committed to invest
£2.1 million in solar PV
across the estate



SCHOOLS

Schools have saved
over 1000 tonnes
CO₂e since 2008/09



ELECTRIC VEHICLES

Installation of a network
of 11 publically accessible
electric vehicle charge
points across the county

OBJECTIVES

These are the main drivers of our Carbon Management Plan for 2017 -2021



1 COST SAVINGS

Achieve cost savings through asset rationalisation, fleet management and staff travel

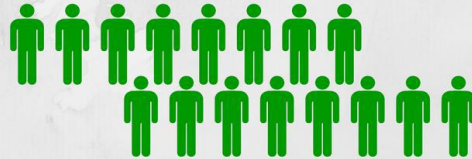


2 ENERGY EFFICIENCY AND RENEWABLE ENERGY

Increase resilience to increasing energy prices and impending energy security through investment in energy efficiency and local renewable energy generation

3 COMMUNITY LEADERSHIP

Show community leadership by actively reducing our carbon footprint and encouraging our partners to embed the “Low Carbon” ideology



4 OPPORTUNITIES

Optimise the benefits from funding sources, such as the Feed in Tariffs (FiTs) for renewable electricity generation and the Renewable Heating Incentive (RHI)



Peterborough City Council

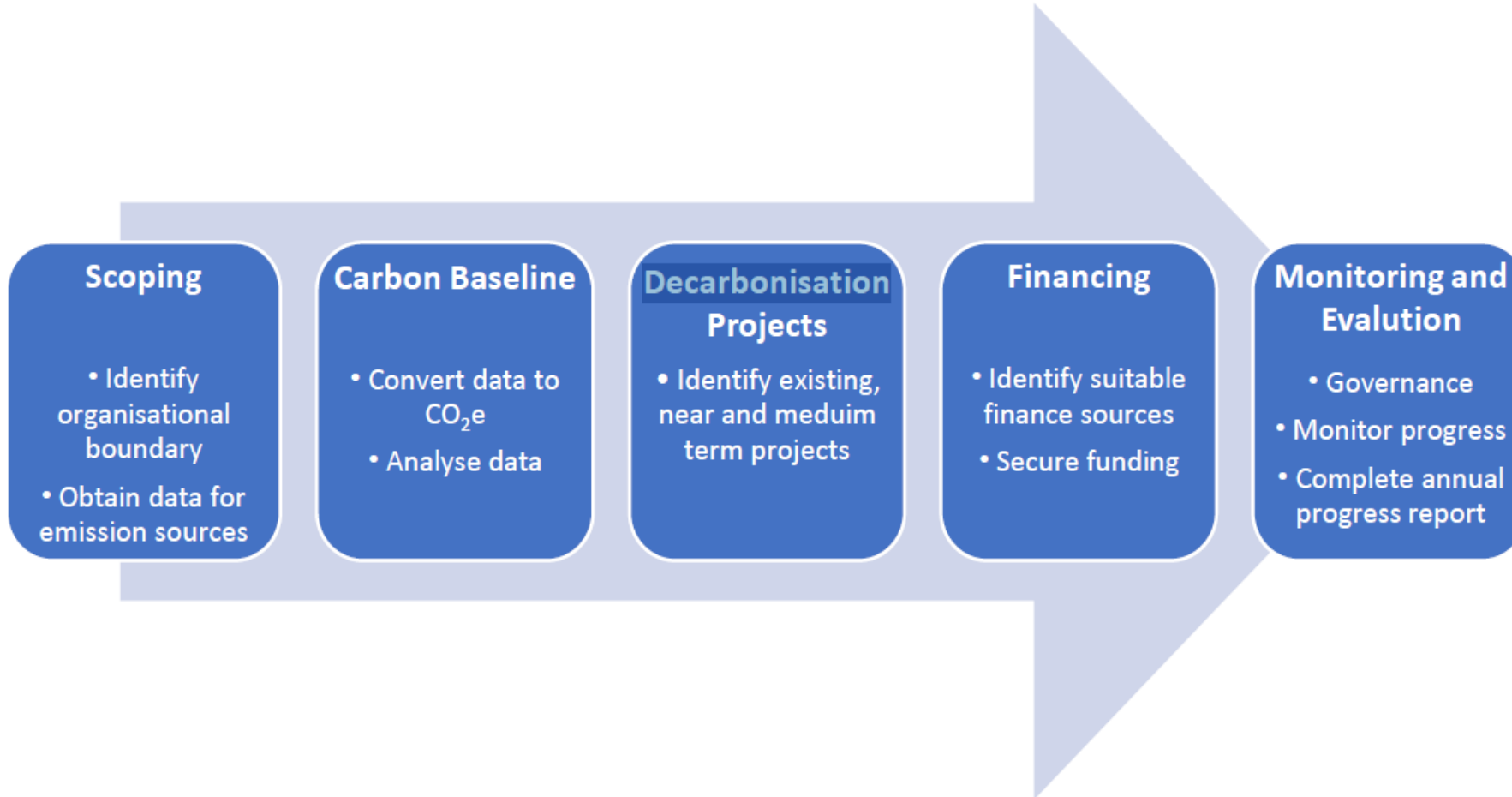
Carbon Management Action Plan March 2020

Reviewed and endorsed by the Carbon Trust

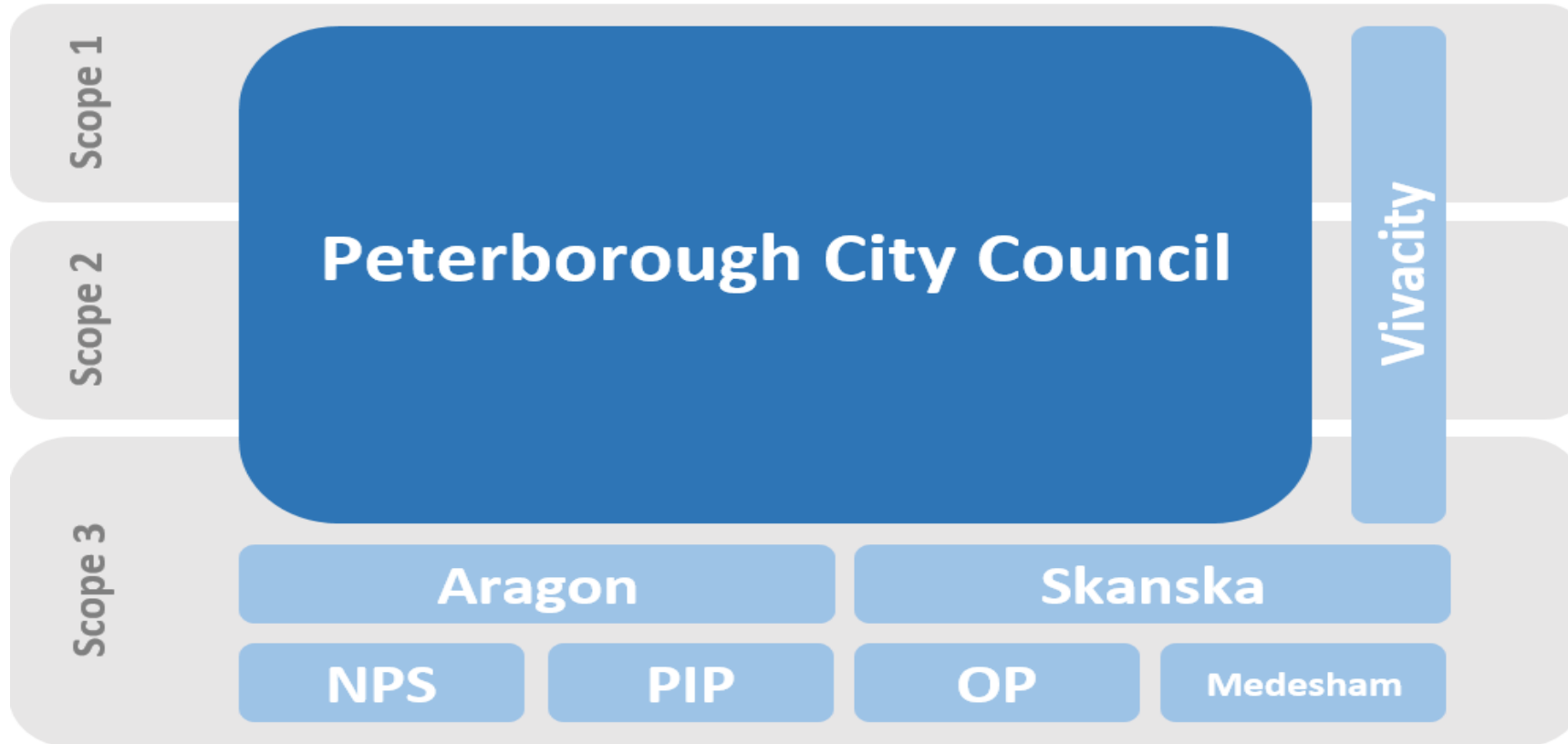
Starts off with Council commitments to 20 measures.

- ▶ 1. Continuing to **rationalise office floorspace**, thereby reducing energy demands. For example, excess floorspace at the Town Hall will be leased.
- ▶ 2. Continuing to **plant new trees** on its own land (and encourage others to do likewise), thus capturing (or 'sequestering') carbon from the atmosphere. The Council will also work with Peterborough Environment City Trust (PECT) to determine whether a local carbon off-setting programme can be put in place, to fully take account of the carbon savings from tree planting.
- ▶ 3. Reviewing its entire **electricity and gas contracts**, and, where practical to do so, will seek to amend to 100% renewable electricity tariffs and 100% carbon off-set gas tariffs as soon as possible.

Carbon Management Process



Peterborough City Council organisational boundary (grey areas currently excluded)



Chichester District's Climate Emergency Initial Action Plan 2020 - 2025

| | | | |
|---|--|--|--|
| 2 | Develop the Climate Emergency Full Action Plan, containing detailed targets and project milestones, from this Initial action plan. The full plan is to be reported to the Environment Panel and approved by Cabinet | Plan adopted by Cabinet and Council | September 2020 |
| 3 | Set a Local Authority Area-wide target for District CO2 reductions of 10% year on year until 2025. Work with partner organisations across the District to co-ordinate actions towards meeting this target (see also action 22) | 10% year on year reduction in emissions | Target in place by 2020, target to run to 2025 |
| 4 | Quantify current carbon emissions from CDC operations. Set a CO2 reduction target for CDC operations (development of existing target) | Target to be set based on the outcome of further assessment work | Target in place by 2020, target to run to 2025 |
| 5 | Put in place a system for identifying those CDC decisions with impacts on carbon emissions, air quality and biodiversity and ensure that negative impacts are avoided or mitigated. | That key decisions are identified in good time, impacts are assessed and any negative impacts are avoided. | Systems in place by June 2020 |

High Level Action Plan

| Ref | Action | Target | Timescale | Services involved in Delivery |
|-------------------------------|---|--|-------------------------------|---|
| Low Carbon Chichester Funding | | | | |
| 8 | <p>Secure Low Carbon Chichester Funding from Homes England:</p> <ul style="list-style-type: none"> Decide on areas of focus – energy efficiency/renewables within public sector / community buildings; Establish joint agreement with HE and Linden on criteria for funding applications; Carbon savings in Kg/year, Locations anywhere District-wide, Public ownership and/or public access, value for money £/kg CO2, Deliverability, Publicity; Establish match funding requirements from applicants. | <p>Legal agreement signed and funds transferred. Funding criteria agreed</p> | <p>May 2020 July 2020</p> | <p>ESU -project officer to lead. Legal and PR to support the project`</p> |
| 9 | <p>Report on the feasibility of establishing an ongoing District-wide fund for delivery of carbon reduction projects and biodiversity restoration projects. This will include: (1) a review of the opportunity to raise money from the UK Municipal Bonds Agency for low carbon infrastructure, and (2) the potential to use legal and planning mechanisms for offsetting residual carbon from new developments.</p> | <p>Report finished Implementation of funding (continuation of LCC)</p> | <p>Sept 2020 End 2020</p> | <p>ESU – project officer to lead. Planning Policy Team</p> |

Devon County Council

To coordinate a collaborative Devon-wide response to the climate emergency and ecological crisis to:

- ▶ Facilitate the reduction of carbon emissions to net-zero by 2050 at the latest, to include substantial nature improvement to absorb carbon
- ▶ Improve the resilience of Devon's environment against the effects of climate change
- ▶ Prepare Devon's communities for the necessary adaptations to infrastructure and services to respond to a warmer world.

Two strands to work

Devon Carbon Plan

The [Net-Zero Task Force](#) is using its specialist knowledge to produce an evidence-led [Devon Carbon Plan](#). This will consider the earliest, credible, date that should be set for net-zero emissions.

Devon Adaptation Plan

The [Climate Impacts Group](#) is using its collective knowledge to create a Devon Adaptation Plan. This will consider how Devon and its citizens can adapt to living in a warmer world.

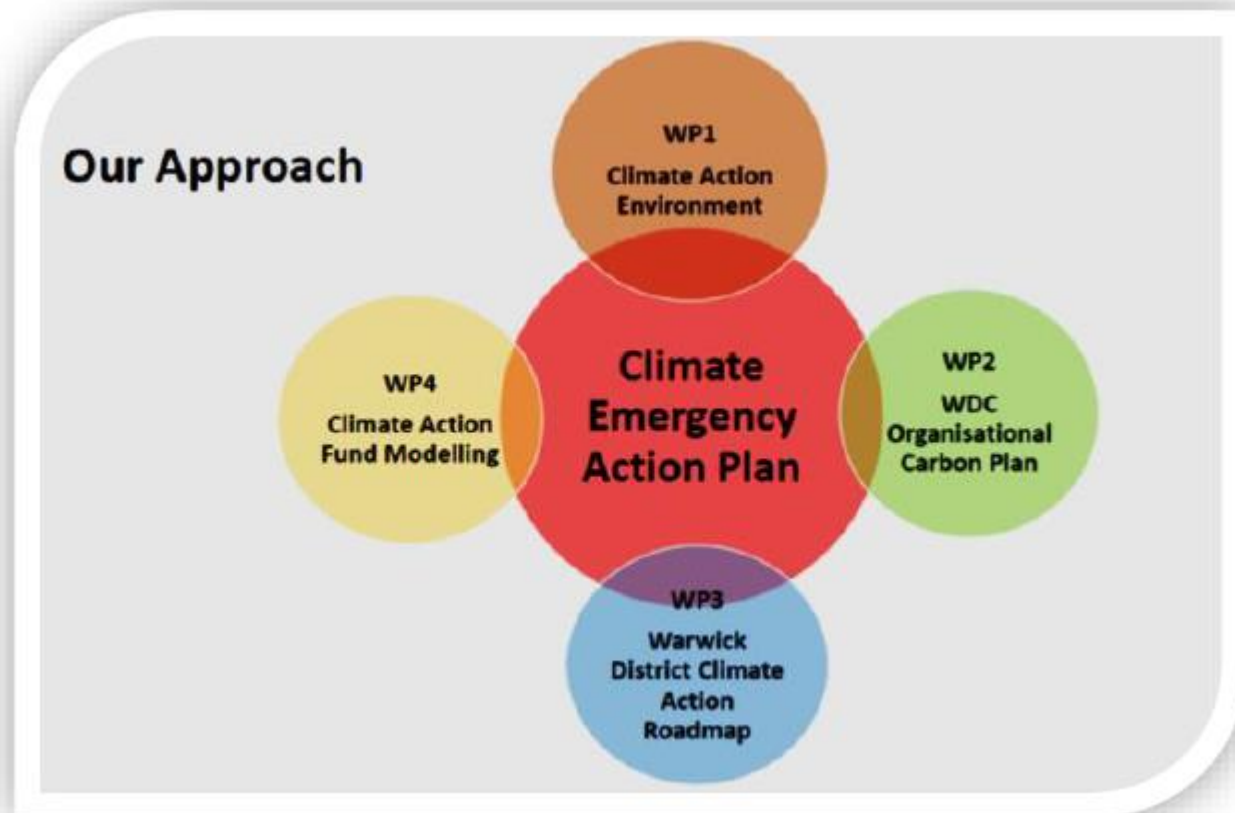
Three Stages

- ▶ evidence gathering
- ▶ citizens' assembly
- ▶ development and publication of a draft Devon Carbon Plan

Warwick

Climate Emergency Action Programme

Report is in the form of a Climate Emergency Action Programme that contains a Carbon Management Plan for the Council's own estate and a Climate Emergency Action Roadmap for Warwick District.



Carbon Management Plan

Stage 1 – Immediate
Actions/ Measures
(Year 1)

Key Measures include: Data Management System, Building Energy Audits, Identified No Cost/ Low Cost Measures, Sub-Metering, Green Energy tariffs, LED
Total Investment= £848,563
Carbon Reduction= 2,637.4 TCO₂e

Stage 2 – Technology
Actions / Measures
(Year 2 & Year 3)

Key Measures include: Low Carbon Technology measures and building thermal improvement i.e. heat pumps, thermal insulation; water technology; EV fleet
Total Investment= £390,000
Carbon Reduction=124.6 TCO₂e

Stage 3 – Renewable
Energy Generation
(Year 4 & Year 5)

Key Measures include: Solar PV, Air Source Heat Pumps; water management
Total Investment= £1,730,000
Carbon Reduction= 83.2 TCO₂e

Stage 4 - Carbon
Offsetting
(Year 5 – If Required)

Key Measures include: Offsetting Remaining Carbon Emissions
Total Investment= £1,035
Carbon Reduction= 69 TCO₂e

| Total Cost of Investment | Energy Saving (kWh) | Energy Cost Saving (£) | Carbon Emission Saving (TCO ₂ e) | Payback (Years) |
|--------------------------|---------------------|------------------------|---|-----------------|
| £2,969,598 | 4,150,574 kWh | £420,556 | 2914.2 | 7.1 |

Questions for us

- ▶ How to present it
- ▶ How accessible by public
- ▶ Should there be a public consultation
- ▶ Given lock down how could this happen
- ▶ Should the action plan only look at the Council or wider district?
- ▶ If not should there be another document to deal with wider climate change mitigation?