



One
Planet
Cardiff

Action Plan Review 2022



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Mae'r ddogfen hon ar gael yn Gymraeg





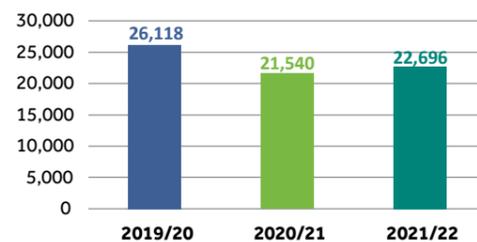
Introduction

One Planet Cardiff – a strategic response to the climate Emergency.

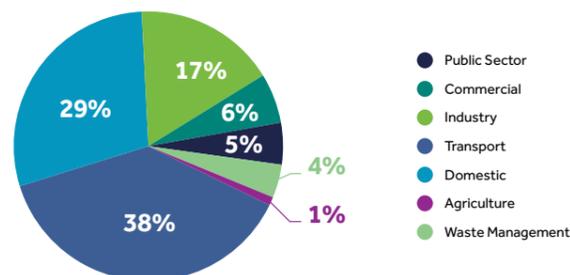
Climate Change is already shaping our lives. We are living in a climate emergency with stark warnings and evidence globally that urgent action is needed if we are to avert the dangers ahead. Our One Planet Cardiff Strategy was approved in December 2021 and sets in place a wide range of ambitious actions that will begin to form the basis of a delivery plan to achieve Carbon Neutrality. It aims to do this in a way that supports new green economies and greater social wellbeing in the city.

An annual review of the Plan in December 2022 showed that good progress is already being made with a 13% reduction in the Council's direct emissions having been observed since 2019/20, and a 12% reduction in the whole city of Cardiff's emissions reported between 2019 and 2020. However the carbon reduction challenges for the remainder of the decade are significant.

Cardiff Council Total Operational Emissions tCO₂e
(Scope 1 and 2) - 13% reduction



City of Cardiff GHG Emissions Baseline (2020 BEIS Data)



This report updates the One Planet Cardiff Action plan, giving details of achievements and areas of continued and renewed focus. It should be read in conjunction with the December Cabinet Report on the review of the One Planet Cardiff Strategy [[link to OPC Cabinet report here](#)]

Buildings

COUNCIL IMPACT

Estates Energy Efficiency:

18% reduction since 2019/20

55% reduction since 2014

Net-Zero New build and Retrofit pilots in progress

Performance sensors/baselining measures in place

Detailed and costed Council Buildings programme and action plan being prepared for Cabinet Consideration

CITY IMPACT

Housing – 28% of City footprint

Major Council flats retrofit programme progressing.

Grant schemes in development with WG and Region

Increased Fuel Poverty and cost of living crisis challenges.

Outreach beyond those in fuel poverty needed for major city impact – discussing possibilities with Cardiff Capital Region and others and Govt role acknowledged

Commercial Development:

Strong Planning Policy Position Statement in Place

Climate Change and Carbon at the heart of the new LDP





Mobility

COUNCIL IMPACT	CITY IMPACT
<p>Collective emissions = 30% Council Operational total</p> <p>Fleet: Significant EV's now operational including 10 Waste Vehicles Charging infrastructure also in place at key sites Revised Fleet Strategy in preparation aiming for full transition to low emission vehicles</p> <p>Grey Fleet: Cross Authority review underway – requires operational needs audit and HR policy examination</p> <p>Commute: Staff Incentives scheme developed Links with Hybrid working plans and on-line meetings Large numbers of staff still location based (especially schools)</p>	<p>Almost 40% of City Wide Emissions</p> <p>Transport White Paper: Electric Bus Fleet Operational Almost 70 public EV chargers in place by Spring 2023 Cycle priority and traffic calming strategy well advanced but with more to do over the next decade Rail electrification advancing Requires significant behaviour change from all alongside hard measures Schools Active Travel plans Active Travel Charter</p> <p>Major Challenges: Funding for Metro and significant public transport interventions</p>



Supply Chain & Procurement

COUNCIL IMPACT	CITY IMPACT
<p>Dwarfs other emissions >80% of total</p> <p>New Procurement Strategy in place: Carbon and circular economy as central themes Signals to supply chains that Carbon will soon be a competitive factor in tender</p> <p>Pilot Projects – designing out high carbon elements:</p> <ul style="list-style-type: none"> • Low/zero carbon road resurfacing • Net zero new build school pilot project • LED replacement – buildings and street lighting <p>Next Steps: Issue Directorate spend/carbon profiles and develop deeper understanding of high carbon impact spend areas. Commence carbon literacy and training support for Specifiers. Work with WG to improve impact assessment methodology</p>	<p>Socially Sustainable Procurement Strategy Supports and stimulates wider change amongst suppliers</p> <p>PSB partnership approach Co-ordinated ambitions and messaging to the market being considered with our public sector partners in the city</p> <p>Circular Economy Innovation Network Supporting work with schools, universities and businesses</p>



Recycling and Waste

COUNCIL IMPACT	CITY IMPACT
<p>Minimal inclusion in WG carbon framework Disguises impressive track record</p> <p>Action Plan for Further Improvements:</p> <ul style="list-style-type: none"> • Increase Recycling Participation and Capture • Increase opportunities to recycle • Improve the material quality of recycling sent for re-processing an • Encourage and support the reuse and repair of materials. 	<p>Wales amongst the leaders in the world Awareness raising and behaviour change support is a constant need</p> <p>Schools and wider behaviour change campaign Trade Waste</p> <p>Work with WG to pilot ideas such as bottle return scheme and extended producer responsibility</p>

Renewable Energy

COUNCIL IMPACT	CITY IMPACT
<p>Significant rooftop solar in place Another tranche in development</p> <p>Plans for 2 new major renewables schemes being developed. One could supply direct energy to operations and vehicles at Lamby Way (potentially significant impact)</p>	<p>Lamby Way Solar Farm complete Decarb benefits to Grid and Waste Water Treatment Works</p> <p>Cardiff Heat Network Under construction – reducing the need for gas/electricity for heating in the Bay</p> <p>Tidal Power Western gateway and CCR re-examining the case</p>





Green Infrastructure & Adaptation

Food



COUNCIL IMPACT

Coed Caerdydd

Increasing the City's tree canopy by 25%

Direct impact where planting is on Council land

Challenges in finding space, long term management resource and recording impacts appropriately (after planting matures)

CITY IMPACT

Coed Caerdydd

Increasing the City's tree canopy by 25%

Positive partnership working and outreach with planting on non-council land in progress – more opportunities needed and being explored

Flood Defence Schemes

Sustainable Urban Drainage Schemes (SUDS) now starting to emerge as standard

Bespoke schemes delivered (Greener Grangetown, Central Square, Cathays Terrace, etc)

Updated Flood Defence Strategy in development



COUNCIL IMPACT

Food Strategy:

Focus on Schools Food

Edible Playgrounds

Study to optimise health and carbon benefits in menu planning

40 School kitchen improvements by Christmas 22

CITY IMPACT

City Growing Plans

Pilot community growing opportunities on Council land

£2.5m CCR funded innovation project for "local healthy food"

Local Development Plan Policy review to identify "food deserts" and relevant policy response





Behaviour Change & Engagement

COUNCIL IMPACT	CITY IMPACT
<p>Embedding Carbon in Council Decision Making CEx level meetings to address cross cutting, complex issues</p> <p>Staff engagement Carbon Literacy Training Travel incentives Specifier Training</p> <p>Schools and Youth Engagement One Planet Schools Pledge Strengthening of network of advisors and support Cardiff Youth Council as Champions Curriculum integration of Climate Change Agenda</p>	<p>PSB Climate Emergency Board Alignment of public, academic and utility partner strategies</p> <p>Focus on collaboration around:</p> <ul style="list-style-type: none"> • Fleet and Mobility • Procurement • Estates and Green Infrastructure • Behaviour Change • Climate Change Convention • Plans developing for major stakeholder event • Behaviour Change Campaign <p>Focus areas:</p> <ol style="list-style-type: none"> 1. Transport 2. Energy and heating 3. Waste & Recycling 4. Food