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One Planet Cardiff

Roisin Willmott

One Planet Programme Manager

Cardiff Council



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Commitment



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- Declared climate emergency in 2018
- Published One Planet Cardiff (OPC) Strategy in 2021
- One Planet Cardiff established two overarching goals:
 - for the Council to be Carbon Neutral in its activities by 2030, and
 - to work in partnership with stakeholders to develop a pathway for a Carbon Neutral City by 2030.



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Vision



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*“By **pro-actively** addressing the factors that contribute to the Climate Emergency we can build a **cleaner, healthier and more equitable** City with a **higher quality of life** and a **thriving more resilient economy.**”*



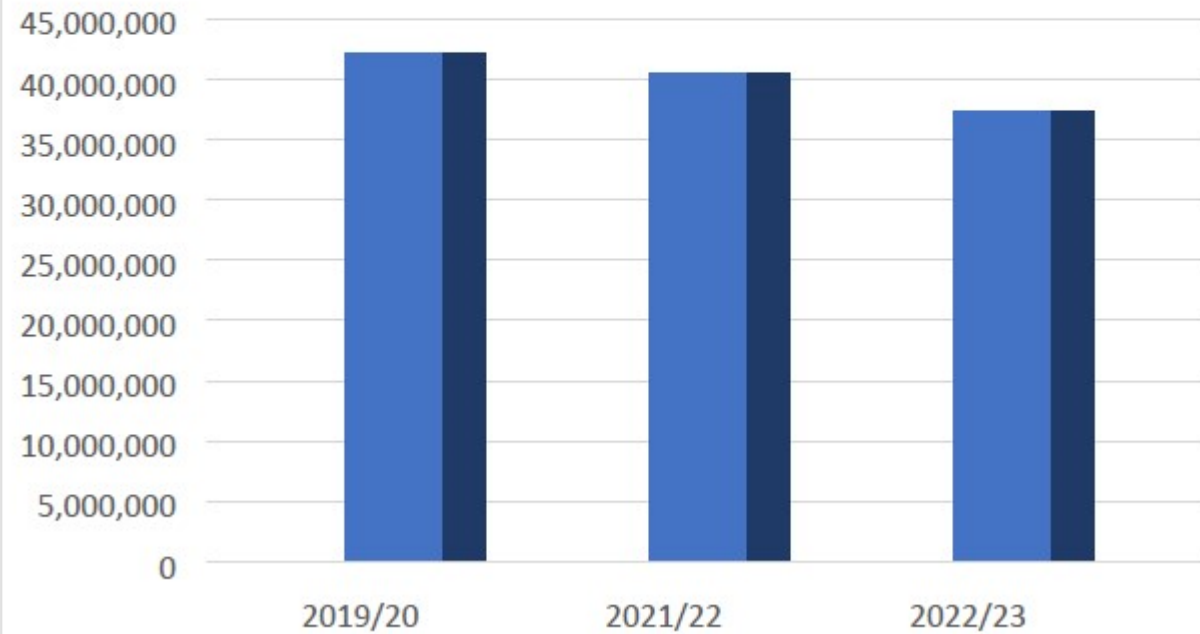
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TOTAL OPERATIONAL EMISIONS (kgCO₂e)

(Excluding procurement)

11.7% reduction



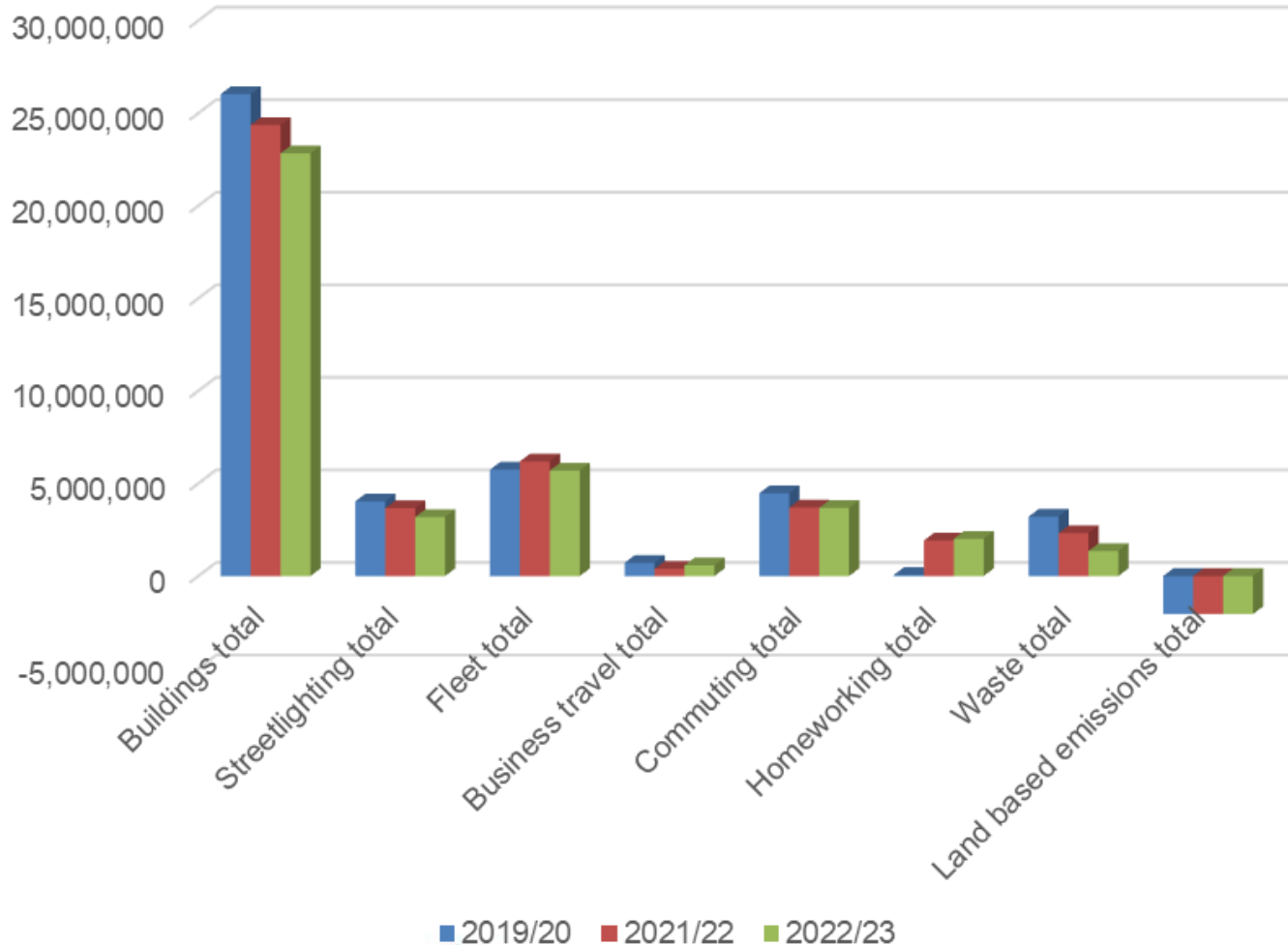
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Council Operational Emissions



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	Total emissions (kgCO ₂ e)	Total emissions (kgCO ₂ e)	Total emissions (kgCO ₂ e)	% change	% change
	2019/20	2021/22	2022/23	19/20 to 22/23	21/22 to 22/23
Procurement	125,262,100	175,546,938	130,704,847	4.3	-25.5
TOTAL	167,472,634	216,028,592	167,987,129	0.3	-22.2
TOTAL (minus procurement)	42,210,534	40,481,654	37,282,282	-11.7	-7.9

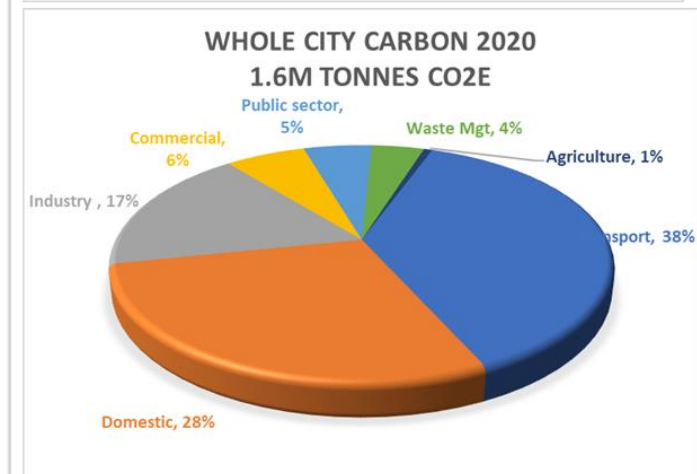
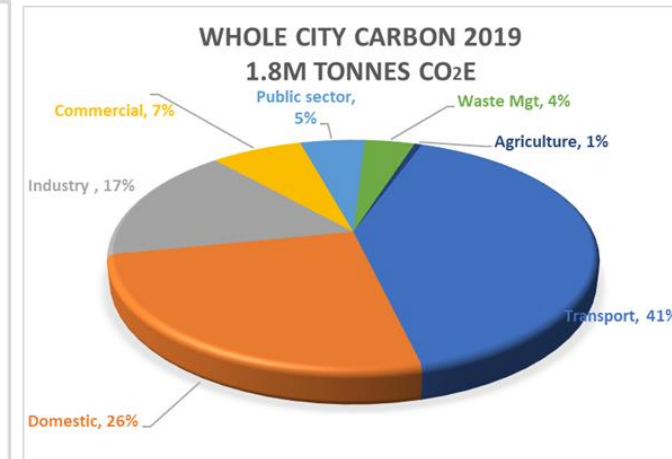
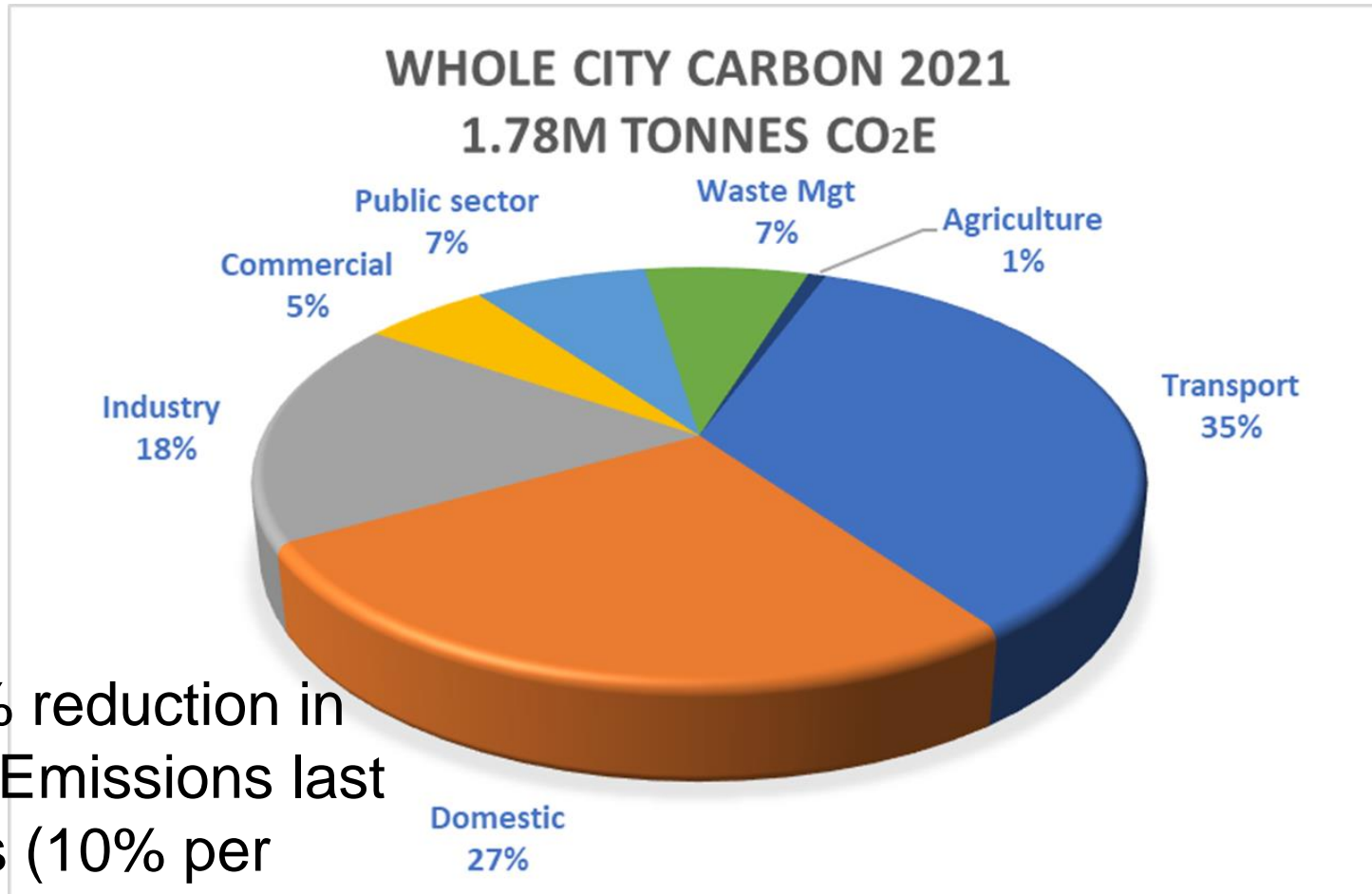
Procurement by far the largest cause of emissions



Whole City Emissions 2021



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0.4% reduction in City Emissions last 3 yrs (10% per year needed) (DESNZ Data)



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2023/24 Headlines



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- Climate Summit Event
- One Planet Schools Pledge Launch event
- Carbon Literacy Training commenced
- Innovate UK funding - embedding carbon
- Local Area Energy Plan progress
- Estates – study of potential costs to reach Net Zero
- Energy sensors & data collectors installed across estate
- Cardiff Heat Network – major progress on site
- Lamby Way Solar Farm
- Re:Fit procurement
- Low Carbon 21st Century School design
- Heat pump pilots
- New-build Housing Partnership progress
- Council House retrofit – lowrise flats & steel framed housing
- LA Flex Domestic Retrofit scheme – Launched early 2024
- EV rollout – 70 public charge points and growing EV fleet
- Coed Caerdydd
- £2m CCR Challenge fund grant - Sustainable, low carbon, healthy food
- Transport Strategy – cycle priority works etc
- Flood defence works and SuDS



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Behaviour Change



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Introduction to Climate Change and One Planet Cardiff Online Module



Carbon Literacy training - 2024/25

Training is 1 full day (9am to 5pm). If you can't do this please select 'other' and state it in their.

Start now

Full Day Carbon Literacy Training



**One Planet Champions
- Expression of Interest**

Start now

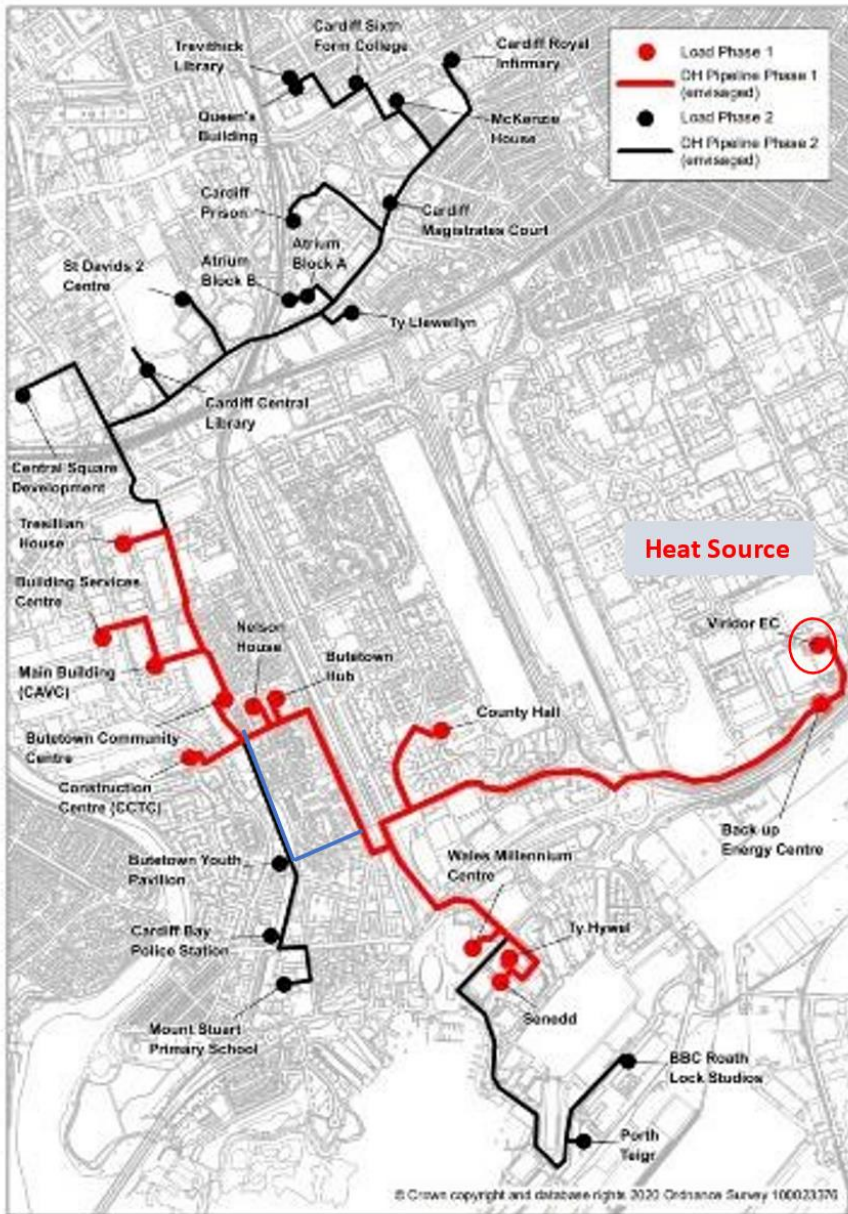
Directorate Champions

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Cardiff Heat Network: Phase 1



- Positively received Nationally and Locally – major win for the City
- Heat Source – existing ERF (Viridor)
- 15 MW peak heat available
- Phase 1 (Red) fully funded – Welsh Govt Loan (£8.6m) and HNIP Grant
- DBOM Contractor procured – HEMIKO (Pinnacle Power)
- On site - Successful rollout
 - Energy centre complete
 - Substantial pipe infrastructure installed
- Network completion Summer 2024
- First Heat on Autumn/Winter 2024



Electric Vehicles

- Fleet Transition
 - approx. 78 EVs in fleet
 - new strategy expected
- EV Charging Infrastructure
 - 70 public charge points installed
 - CCR leading current expansion
 - Management and expansion



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Land Based Emissions



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Coed Caerdydd –

- 80,000 trees across 3 seasons
- 280 sites
- 24ha land
- Tree Guardians



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Flood Risk Management



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- Cardiff Local Flood Risk Management Strategy
- Cardiff Coastal Protection Project
- Greener Whitchurch
- Roath Dam
- Rumney
- Nant Y Wedal Brook (Heath)



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Innovate UK Project

Future Ready Programme

2023-2025



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Fast Followers Programme



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Fast Followers funding to help to further develop Local Authority net zero delivery plans, improve delivery pathways and enable adoption at scale of innovative products and services.



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Innovate UK project



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Challenge:

How do we build carbon reduction into decision making and build net zero thinking into the Council's DNA?



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Approach



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- Working cross-Council – officers and politicians
- Considering approaches to cover projects, strategies / policies and services
- Researching externally for good case studies
- Engaging with Innovate UK (funders) and cohort of ‘Future Ready’ participants for ideas and support
- Drafting proposals collaboratively and testing them



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Lessons from elsewhere



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- Requirements not to be too time-consuming (additional burden)
- Co-development process has helped officers see the value of tools and communicate this to their teams
- Ensure that everyone within the organisation feels responsible
- Devolving responsibility to meeting carbon reduction targets to services, departments or buildings encourages better environmental behaviour (akin to balancing budgets)
- Need excellent data and buy-in from managers
- Needs to be built in at design stage, as well as decision-making process



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Core Organising Principles



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Embedding early
on (start) of project
/ service / strategy
design

Building in
conscientious
consideration of
net zero (move
beyond the tick
box approach)

Informed decision-
making as a check

Building in
behaviour change
& knowledge
building



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Reliant on:



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Data (carbon information) at Directorate / service level to give ownership / illustrate where action is needed and track progress.

Continuous learning from good practice from elsewhere and monitoring changes in technology / practices.

Access to advice with knowledge and capacity to be able to critique and support proposals and activities.



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Thank you for listening



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