


Climate emergency action plan: update for OSC


11 March 2024



1

Proposed Agenda


- Introduction
- Action plan performance
- Impact of action plan – emissions reduction
- Proposed changes to the current plan



2


Introduction

- Climate Emergency Declaration
 - Approved by Cabinet: Jul 2019
 - Carbon emissions reduction commitments (direct and supply chain emissions)
 - at least 50% reduction by 2030
 - net zero by 2040 at the latest
- Climate Emergency Board and Action Plan
 - Approved by Cabinet: Nov 2021



3

Action plan performance




4

Overarching actions

- 14 cross-cutting actions relating to the overall delivery of climate commitments (5 complete)

5	<ul style="list-style-type: none"> - Design and adopt action plan - Establish Board
3	<ul style="list-style-type: none"> - Establish monitoring and decision-making tools and embed them in council practice - Climate awareness training
6	<ul style="list-style-type: none"> - Identify sources of funding




5

Use of Energy

- 29 actions relating to energy efficiency and reduction in gas consumption (7 complete)

15	<ul style="list-style-type: none"> - Phase 1 of District Heat Network completed, decision on Phase 2 imminent. - Energy audits of building stock completed, carbon reduction plan in progress. - Roll-out of cloud-based computing and efficient devices completed. - Sustainable development criteria in local plan
14	<ul style="list-style-type: none"> - Phase out of gas boilers. - Linking retrofit to planned maintenance. - Investing in Solar PV and battery storage




6

Transport and Procurement

- 19 actions relating to measuring and reducing in travel and supply chain emissions (2 complete)

1	<ul style="list-style-type: none"> - Hybrid working has reduced staff travel.
17	<ul style="list-style-type: none"> - County-wide EV charging strategy is underway but roll-out is slower than anticipated. - Update to staff travel plan and travel policies needed.
1	<ul style="list-style-type: none"> - Supply chain emissions are hard to measure. Procurement charter is being updated to embed decarbonisation in decision making.




7

Waste and Green infrastructure

- 18 actions relating to waste reduction and enhancing Crawley's natural spaces (4 complete)

14	<ul style="list-style-type: none"> - New conservation strategies being developed to reduce environmental impact of parks management. Tree strategy adopted, Climate mitigation and adaptation strategies being developed.
4	<ul style="list-style-type: none"> - Government waste strategy due for implementation in 2025 will increase recycling rates and reduce waste. - New diesel refuse collection fleet procured (grid capacity and funding prevented alternatives). HVO (Biofuel) being investigated. - Communication and engagement strategy needed to help public understand approaches to conservation.



8

Impact of action plan – emissions reduction

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9

Categorising Emissions

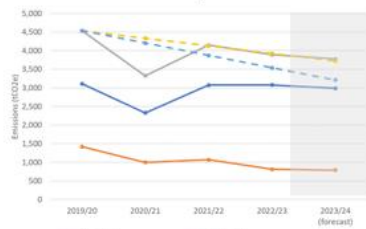
- **Scope 1**
 - Direct emissions from use of gas, diesel and petrol (7%, approx. 3,000 tonnes CO₂e)
- **Scope 2**
 - Emissions from electricity (5%, approx. 1,000 tonnes CO₂e)
- **Scope 3**
 - Purchased goods and services (mainly construction, but also contractor transport and staff commute; 88%, approx. 31,000 tonnes CO₂e)
 - Most UK local authorities have not made commitment for reducing scope 3.

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10

Emissions reduction (direct emissions)



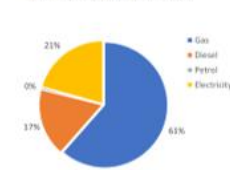
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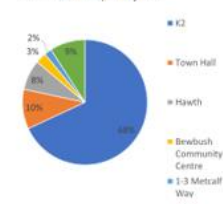
11

Direct emissions: analysis

CBC scope 1 and 2 emissions 2022



CBC Gas consumption by site



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12

Direct emissions: action

- Urgent need for quality data and heat decarbonisation plans to unlock grant funding.
- Grant funding could provide 70% of capital expenditure
 - Public Sector Decarbonisation Scheme announced for 2024
 - Suggested targets for grant application to be delivered in 2025/26

Site	Capital cost	Grant funding (to be bid for)	CBC Contribution (to be proposed)
K2	£5,000,000	£3,500,000	£1,500,000
Retrofit for other priority sites (Depots and community centres)	£2,000,000	£1,400,000	£600,000
Total	£7,000,000	£4,900,000	£2,100,000

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13

Proposed changes to the current plan

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14

Action plan refresh proposal

- Focus on delivery
 - Clear, targeted objectives,
 - Direct link to service action plans
 - Identifying Assumptions and dependencies
 - Owned by Climate Emergency Board
- Target for presentation to OSC and Cabinet: October 2024

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15

Proposed action plan: Scope 1

Proposed Target	- 90% reduction by 2030 (net zero)		
Priorities	Improve data quality	Buildings: Eliminate gas consumption	Transport
Delivery	- Automatic Meter Reading roll-out and bureau service	- Heat decarbonization through Energy Action Plan	- Electric vehicle programme - Bio fuel / HVO (short term)
Assumptions / dependencies outside our control	- Grant funding (Public sector decarbonisation scheme or similar) - Grid capacity (strategic engagement needed with UKPN)		

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16

Proposed action plan: Scope 2

Proposed Target	- 50% reduction in emissions by 2030			
Priorities	Energy efficiency	Electrification of heat	Strategic engagement with UKPN	Local generation and storage
Delivery	LED lighting, insulation, IT strategy	- Heat decarbonisation and electrification of heat through Energy Action Plan - 50% increase in electricity consumption by 2030	- Completion of Local Area Energy Plan or similar - Early submission of connection applications	Target 1,000 kW rooftop solar and battery storage
Assumptions / dependencies	- Grid decarbonisation - Grid capacity			

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17

Proposed action plan: Scope 3

Current Commitment	- 50% reduction by 2030, net zero by 2040		
Priorities	Supply chain emissions	Staff behaviour	Consumption and waste
Delivery	- Procurement charter to include consider emissions - Tools to identify impact of decision making on emissions	- Training and awareness - Staff travel plan (update to current plan)	- Training and awareness - Circular economy approaches
Assumptions / dependencies outside our control	- Grid decarbonisation - Contractors reducing their emissions		

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18

Supporting strategies needed

- Communications and engagement
 - New strategy planned for June 2024.
 - Carbon literacy training.
- Sequestration and offsetting
 - Needed to drive invest in green spaces, offset residual emissions and reduce risk of 'carbon tax' liability.
- Borough wide emissions
 - District heat network is most significant opportunity.
 - Transport remains key challenge.

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19

Conclusions

1. Significant progress made, but urgent need for delivery task prioritisation to stay on track.
2. Pathways to net-zero are clear for CBC's direct emissions, but many external dependencies.
3. Scope 3 emissions are greatest risk for current climate commitments.

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20