



REPORT FROM: DIRECTOR OF PLACE

TO: CLIMATE EMERGENCY WORKING GROUP

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ANNUAL CARBON EMISSIONS REPORT 2022/23

PURPOSE OF REPORT

To submit the 2022/23 Annual Emissions Report and outline changes to reporting.

RECOMMENDATION

That the Working Group considers the 2022/23 Annual Emissions report (Appendix 1).

REASON FOR RECOMMENDATION

To better understand direction of travel and progress towards 2030 carbon neutral status.

ISSUE

1. Each year, PBC calculates its carbon emissions generated from our building stock, fleet and staff travel to produce the Annual Emissions report. For the Emissions Report, the data is captured as either Scope 1, 2 or 3 and the methodology applied has remained unchanged since 2009. This year, 2022/23, the data for Pendle Leisure Trust (PLT) has been incorporated in Scopes 1 and 2 as PBC generated emissions, rather than being reported in Scope 3. To ensure consistency of reporting methodologies, the data for the last five years has been recalculated and is provided in Table 1 below.
2. Scope 1 refers to gas consumption in council owned and managed buildings and emissions from our fleet. Scope 2 is electricity consumed within Council owned and managed buildings. Scope 3 captures the indirect emissions of an organisation and for PBC currently includes business-related staff travel. Additional outsourced services provided by Liberata and other external providers are not currently included in Scope 3, however this may change in future as the provision of services changes or if reporting requirements become stricter in relation to suppliers. It should be noted that carbon offsetting is not considered in PBC's Annual Emissions report.

- Additional data for indirect Scope 3 emissions, such as employee commuting and council waste, are not currently measured or reported. The future collection of this data will be necessary for a more accurate picture of the council's emissions and to achieve net zero by 2050.

Change in reporting for the Annual Emissions Report

- Given the significance of emissions generated by PLT, the energy consumption of the leisure centres is a key priority for reduction. Thus, rather than exclude PLT emissions from PBC reporting, this will now be included and reported as direct PBC emissions in Scope 1 and 2 of the Annual Emissions report.
- As PLT used a different methodology for reporting emissions, the past five years of emissions data have been recalculated for PLT and incorporated into PBC data for Scope 1 and 2 to provide an accurate picture of our progress to date, and likely trajectory as we approach 2030.

Updated carbon emissions data for period 1st April 2018 to 31st March 2023 (Tonnes)					
	18/19	19/20	20/21	21/22	22/23
Scope 1					
Gas consumption	1354	1337	941	1233	1,079
Owned transport	614	605	612	594	561
Total scope 1	1968	1942	1553	1827	1640
Scope 2					
Purchased electricity	602	537	354	381	350
Total scope 2	602	537	354	381	350
Scope 3 (indirect emissions from PBC operations)					
Business travel	26	25	12	13	28
Total significant scope 3	26	25	12	13	28
Gross emissions - tonnes of CO2e	2,596	2,504	1,919	2,221	2,018

- Disregarding results for 2020/21 due to Covid, some significant decreases have been achieved during the past five years – largely due to energy infrastructure changes and the decarbonisation of UK electricity generation. Most reductions to date have not been as a result of actions implemented by PBC, but PBC has benefitted from national infrastructural changes which will soon reach saturation and no longer continue to support a reduction in our emissions.

IMPLICATIONS

Policy: PBC declared a Climate Emergency in 2019. The Annual Emissions Report enables PBC to monitor progress.

Financial: None arising directly from this report

Legal: None arising directly from this report.

Risk Management: None arising directly from this report.

Health and Safety: None arising directly from this report.

Sustainability: Addressing climate change and reducing the council's carbon footprint is fundamental for delivering on the council's carbon neutral commitment.

Community Safety: None arising directly from this report.

Equality and Diversity: None arising directly from this report.

APPENDICES:

Appendix 1 - Annual Emissions Report 2022/23

Appendix 1

Annual Emissions Report 2022/23

GHG Emissions Data

Our Annual Emissions Report details carbon emissions from the Council's operations in accordance with the DEFRA "Environmental Reporting Guidelines", using the latest published emission conversion factors.

This year's scope 1 data includes Pendle Leisure Trust in addition to Pendle Borough Council data for the first time, as previously PLT was included in Scope 3 as outsourced services.

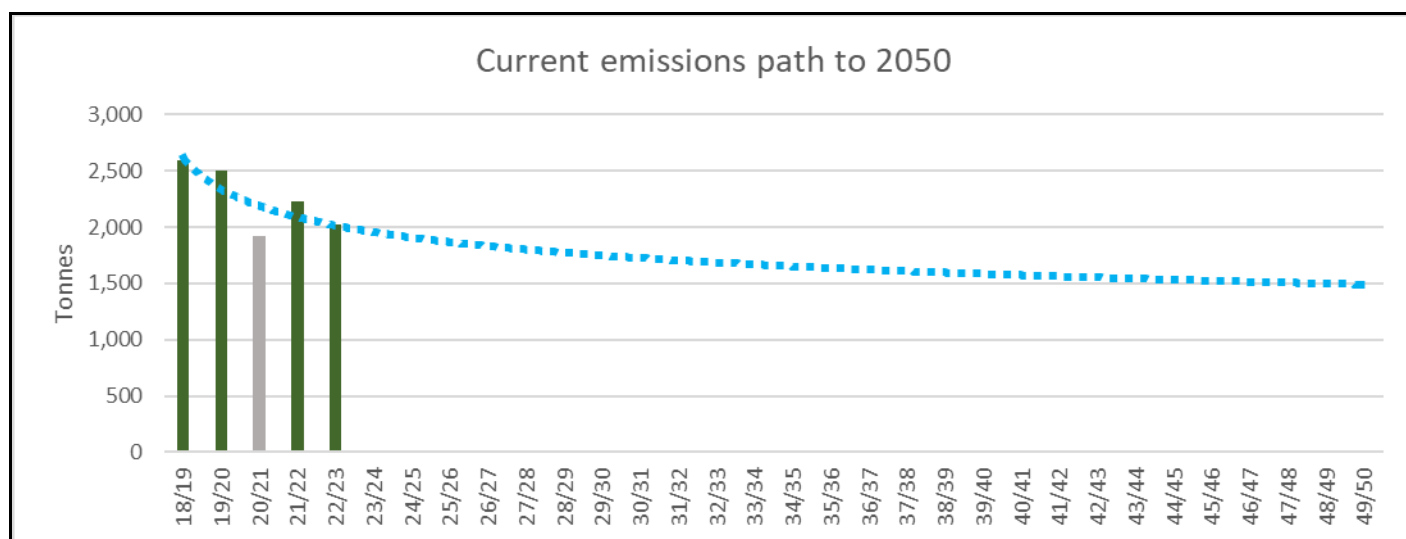
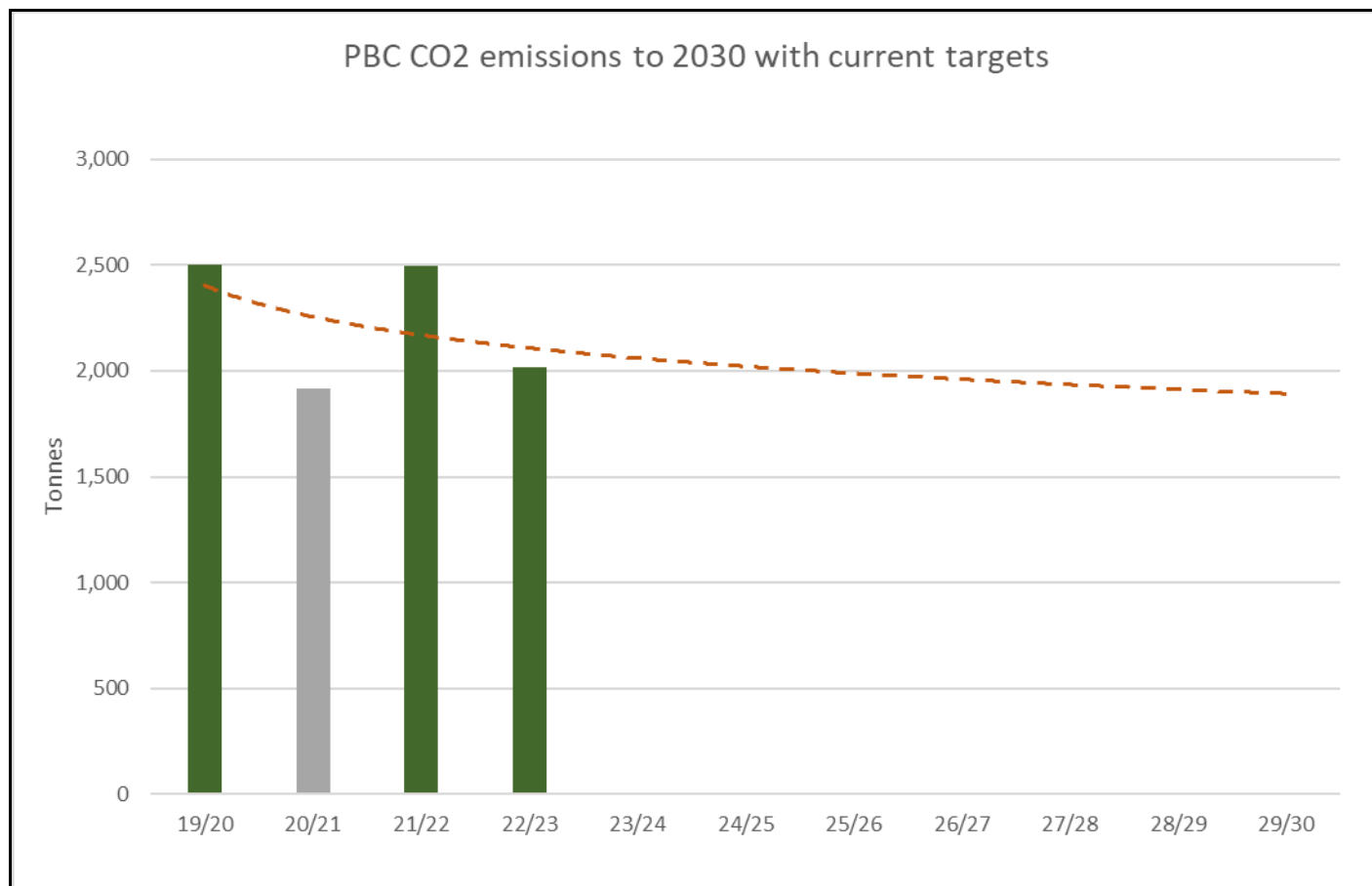
	kg CO2e of CO2	Emissions in tonnes
Scope 1		
Gas consumption	1,078,736	1,079
Owned transport	561,341	561
Sub total	1,640,077	1,640
Scope 2		
Electricity consumption	349,977	350
Sub total	349,977	350
Scope 3		
Business travel	28,040	28
Staff commuting	Not included	-
Waste disposal	Not included	-
Product in use	Not calculated	-
Outsourced services		
Sub total	28,040	28
TOTAL	2,018,095	2,018

Data for the previous 5 years has been recalculated using the same methodology to provide a clear picture of progress to date.

Updated carbon emissions data for period 1st April 2018 to 31st March 2023					
	18/19	19/20	20/21	21/22	22/23
Scope 1					
Gas consumption	1354	1337	941	1233	1,079
Owned transport	614	605	612	594	561
Total scope 1	1968	1942	1553	1827	1640
Scope 2					
Purchased electricity	602	537	354	381	350
Total scope 2	602	537	354	381	350
Significant Scope 3					
Business travel	26	25	12	13	28
Outsourced services	-	-	-	-	0
Total significant scope 3	26	25	12	13	28
Gross emissions - tonnes of CO2e	2,596	2,504	1,919	2,221	2,018

Disregarding results for 20/21 due to Covid, some significant decreases have been achieved during the past five years – largely to energy infrastructure changes and the decarbonisation of UK electricity generation.

This downward trend will not continue without active intervention. As can be seen from the figure below, the reduction in GHG emissions is likely to plateau if current trends continue to rely on passive, external factors. For PBC to meet its carbon neutral commitment by 2030, and to achieve net zero by 2050 in line with UK commitments, further action must be taken and appropriate targets put in place.



Supporting Explanations

1. Company Information

The information contained in this report relates to Pendle Borough Council based at: Town Hall, Market Square, Nelson, Lancashire, BB9 7LG.

2. Latest Reporting periods

1st April 2022 – 31st March 2023

3. Approach

We have followed the Government's Guidance on how to measure and report greenhouse gas emissions, using their annual CO2 conversion factors.

4. Organisational Boundary

We have used the financial control approach.

5. Operational Scopes

We have used the scopes set out in the guidance as follows:-

Scope 1 – Fuels used in boilers, furnaces or turbines.

In the Council's case, this is natural gas used in Council owned properties (where the Council is responsible for the boiler) and controlled transport (mainly waste and cleansing services, ground maintenance vehicles and light commercial vans). We have updated our reporting methodology and included for the first year of reporting council owned Pendle Leisure Trust sites, and some Liberata controlled buildings.

Scope 2 - Consumption of purchased electricity.

For the Council this is electricity consumed within Council owned buildings. This includes for the first year council owned Pendle Leisure Trust sites.

Scope 3 – This includes business travel for staff where they are using their own vehicles and outsourced activities. It includes Pendle Leisure Trust and some Pendle-based Liberata staff travel.

6. Reporting period

This Annual Report captures year on year progress since 2018/19.

7. Targets

We have set modest annual CO2 reduction targets of 2% for our building stock and 5% for our transport fleet. We have improved our internal systems and procedures to enable us to monitor our energy consumption quarterly and identify seasonal trends.

8. Carbon offsets

None

9. Green Tariffs

None

10. Assumptions and Exclusions

We have not included greenhouse gas emissions from the following:

- suppliers, contractors or consultants
- the use of water
- waste disposal

- air conditioning and refrigeration systems
- staff commuting
- business travel using the bus, train, taxi or plane
- CCTV

11. Contact for further information
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