

Climate Change Scrutiny Committee

7 July 2021

Report of the Head of Carbon Reduction
Portfolio of the Executive Member for Environment and Climate Change

Net Zero Carbon: Key Performance Indicators

Summary

1. The Council has set an ambition for York to achieve net zero carbon by 2030. A set of performance indicators are required to monitor progress against this ambition.
2. The Council Plan made a commitment to providing this data:
 - i. Carbon emissions across the city
 - ii. Level of CO₂ emissions from council buildings and operations (Net emissions)
3. KPI data will be reported on an annual basis

Background

4. City of York Council (CYC) announced a climate emergency in March 2019; subsequently setting an ambition for York to be carbon neutral by 2030
5. To monitor progress against this ambition, a standardised set of key performance indicators is required, covering both corporate emissions from CYC activity and city-wide emissions.
6. The key performance indicators would cover two of the three data commitments to monitor progress of a Greener and Cleaner City in the Council Plan.¹
7. CYC last reported corporate emissions in 2011/12, with Scope 1 & Scope 2 CO₂e emissions totalling 25,000 tonnes in that year.

¹ The third being a Citywide KPI on air quality

8. In previous years, the ‘Emissions of carbon dioxide for Local Authority areas’² published by the Department for Business, Energy and Industrial Strategy has been used to estimate emissions for the whole of York. This methodology tends to underestimate emissions compared to the SCATTER tool, which includes a greater number of data inputs.
9. In 2020, CYC completed a detailed emissions inventory of the city for the first time, using the SCATTER Tool. Total emissions were 910,000 (Scope 1 and 2) or 1,121,660 (Scope 1, 2 and 3) for that year.

Corporate Emissions

10. The proposed list of KPIs for corporate emissions is presented below:

Source	Unit	Total	CO2	Comments
CYC buildings - Electricity	kWh			Since 2019 all electricity consumed by CYC buildings is from 100% renewable sources
CYC buildings - Gas	kWh			Include summary of top emitting sites
CYC buildings - Water	ltrs			Not currently recorded
Corporate Waste	tonnes			Include split of recycling rates
CYC Fleet	ltrs/fuel type			Include number of electric vehicles and % of total CYC fleet
Business travel	miles/vehicle type			Separate journeys by vehicle type
Land use	Trees planted			Trees planted by CYC on our own land and used to offset corporate emissions

11. Government published annual greenhouse gas conversion factors will be used to calculate the carbon emissions from each source³ and the Woodland Carbon Code Calculator will be used to calculate emission savings from tree planting⁴

² <https://data.gov.uk/dataset/723c243d-2f1a-4d27-8b61-cdb93e5b10ff/emissions-of-carbon-dioxide-for-local-authority-areas>

³ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁴ <https://woodlandcarboncode.org.uk/standard-and-guidance/3-carbon-sequestration/3-3-project-carbon-sequestration>

12. A dashboard summarising the data will be provided, along with a report providing a more detailed breakdown.
13. The KPIs will be recorded annually, allowing for close monitoring of progress against our net zero ambition. Data will be made available through the York Open Data Platform and KPI machine.
14. We are in the process of updating procurement policies to include information of supplier's carbon emissions. At present, there is no reliable way of calculating our Scope 3 emissions; however, this will be included in the future following a review of procurement policy.

City Wide Emissions

15. A city-wide emissions inventory will be compiled using the SCATTER Tool. SCATTER is a local authority focussed emissions tool developed using funding from The Department for Business, Energy and Industrial Strategy (BEIS)
16. SCATTER standardises greenhouse gas reporting and aligns to international frameworks, including the setting of targets in line with the Paris Climate Agreement. It is also compliant with the reporting standards of The Global Covenant of Mayors' Common Reporting Framework (CRF) and Carbon Disclosure Project (CDP).
17. The tool is free to use for all local authorities in the UK.
18. The Performance Indicators generated from the SCATTER Tool are presented below:

Sector	Sub-sector	Scope 1	Scope 2	Scope 3	Total tCO2e
		Total tCO2e	Total tCO2e	Total tCO2e	
		DIRECT	INDIRECT	OTHER	
Stationary energy	Residential buildings				
	Commercial buildings & facilities				
	Institutional buildings & facilities				
	Industrial buildings & facilities				

	Agriculture				
	Fugitive emissions				
Transportation	On-road				
	Rail				
	Waterborne navigation				
	Aviation				
	Off-road				
Waste	Solid waste disposal				
	Biological treatment				
	Incineration and open burning				
	Wastewater				
Industrial Process & Product use	Industrial process				
	Industrial product use				
Land Use	Livestock				
	Land use				
	Other AFOLU				
Generation of grid-supplied energy	Electricity-only generation				
	CHP generation				
	Heat/cold generation				
	Local renewable generation				

19. The approach is based on the Accounting and Reporting Standard developed by the Greenhouse Gas Protocol, the Global Protocol for Community-Scale Greenhouse Gas Emission Inventories.
20. The datasets are drawn from publicly available information. Further information on the data and methodology is available at: <https://scatter-staging.anthesis.systems/pages/methodology/>
21. Latest data currently available is 2 years in arrears and reported annually.

22. A Report Summary will be produced alongside the complete inventory and available data will be reported through the quarterly Financial & Performance monitors, which will include narrative on city actions when appropriate.
23. To improve transparency and allow city partners and service providers to benefit from access, data will be made publicly available through the York Open Data Platform.

Council Plan

24. The net zero carbon key performance indicators relates to the ambitions for York to achieve net carbon zero and the Greener and Cleaner outcome.

Implications

- **Financial** – there are no financial implications
- **Human Resources (HR)** – there are no HR implications
- **One Planet Council / Equalities** – the activities described in this report support the ambitions to be a sustainable city.
- **Legal** – there are no legal implications in relation to this report.
- **Crime and Disorder** – there are no crime and disorder implications in relation to this report.
- **Information Technology (IT)** – the majority of information being recorded is already captured in some format. Some of this information is reported through the York Open Data Platform. Consolidating this data into one place will make it easier for the public to access
- **Property** – there are no property implications in relation to this report.
- **Other**

Risk Management

23. There are no known risks in relation to the recommendation of this report.

Contact Details

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Approved

Wards Affected:

All

For further information please contact the author of the report

Annexes

York SCATTER Summary Report 2020