

Introduction

We have calculated our 2022 environmental performance in line with the UK Government's guidance: *Environmental Reporting Guidelines (2019)* and *UK Government GHG Conversion Factors for Company Reporting*. We are not obliged to report environmental matters but do so voluntarily.

What are the boundaries of our organisation?

Lithos operates from its purpose-built office in Wetherby, employing approx 19 FTE engineers in 2022. We run a fleet of vans and engage sub-contractors (drillers, surveyors, laboratories, plant hire) to support our site activities.

The CO₂e generated from site activities includes emissions from our fleet of vans and employee-owned cars. It does not include CO₂e from any sub-contractors we use.

CO₂e generated from site consumables does not include plastic/glass tubs, jars and bottles for soil and water samples; these are provided FOC and disposed of by the laboratories we use. However, we ensure all chemical labs we use have ISO 14001 (or equivalent).

2022 - key environmental impacts & performance

Site: 77% of our CO₂e comes from driving our vans and cars to and from sites (2021: 77%). In 2022 each van emitted on average 106 g/km CO₂e (2021: 108 g/km CO₂e). In 2022 we invested heavily in new vans, installed 4 electric charging points, and introduced a Bike to Work Scheme.

Office: CO₂ emissions from supplying gas, electricity and water to our office and tonnes of waste generated per employee reduced by 8% compared to 2021.

Future targets - 2023

- Reduce the amount of CO₂e per employee by 10% (achieved 9% in 2022)
- Continue to reduce CO₂e from vans until electric vans become a viable option in our type of work.
- Investigate options for carbon offsetting schemes.

KPIs

Emissions to air	Assumptions*	2022
Total tonnes CO ₂ e (site and office)	-	29.05
Total tonnes CO ₂ e/employee (FTE)	-	1.53
Tonnes CO ₂ e (cars and vans)/business mile	g/kg CO ₂ e taken from MOTs or DVLA website. Business mileage only.	0.000191
Average g/km CO ₂ e (company vans)		106
Tonnes CO ₂ e (office)/employee (FTE)	-	0.35
Waste		
Tonnes waste/employee (FTE)	.	0.35

*All conversion factors taken from UK Government GHG Conversion Factors for Company Reporting