

Earth Changers Climate/Carbon Report 2023-24

Total Measured Carbon dioxide equivalent: 1863.33kg Co2e = 1.8633t representing -51.16% on last year.

Whilst we target carbon reductions, our big drop this year has largely been by default not design. The website replatform kept us at our desks for 6 months, with less staff travel in 2 short haul flight trips (as a travel company a long haul trip would also be reasonable), resulting in lower carbon than even 2 years ago.

For some months, we hosted live and developing websites. The new one is built to scale, but green hosted. And our travel increased locally via car, public transport tube, train, coach, bus and electric taxi. Our gas consumption reduced, but electricity increased, resulting in much the same carbon impact.

We spent 50% more nights in hotels, correcting an error in last year's accounting, thus a large increase.

Methodology was updated to reflect the UK Government Conversion Factors' updates. As we continue to report, we continue to improve in methodology, available data and accuracy.

Item	Dec '23 - Nov '24	22-'23 annualised av	Difference
	Kg CO2e	Kg CO2e	
Energy - Gas - Smart meter	134.95	152.84	-11.70%
Energy - Electricity - Smart meter	94.23	75.58	24.68%
Water (process energy)	1.15	0.69	67.28%
Water - Waste (treatment energy)	1.39	0.78	78.10%
Staff Travel: Car	112.76	427.26	-73.61%
Staff Travel: Tube	17.79	26.92	-33.91%
Staff Travel: Rail	7.69	2.55	201.36%
Staff Travel: taxi	9.59	7.68	25.00%
Staff Travel: Bus	0.60	3.03	-80.31%
Staff Travel: Bus	9.88	3.03	226.57%
Staff Travel: Ferry	1.78	0.00	n/a
Staff Travel: Cable Car	0.05	0.04	37.50%
Staff Travel: Coach	14.94	0.00	n/a
Staff Travel: Flights	1140.56	3072.78	-62.88%
Staff Travel: Hotels	230.00	0.57	40507%
Website & CMS hosting	70.32	66.92	5.09%
Website & CMS hosting	11.26	0.00	n/a
Cloud email/file storage	4.40	5.88	-25.28%
Total KG	1863.34	3846.53	-51.56%
Total Tonnes	1.86	3.85	-51.56%

Notes:

UK Government conversion factors for reporting of greenhouse gas emissions used unless otherwise stated. Italics denotes estimations: absolute measures or conversion factors are not published (Tube, Hotels, hosting). E.on switched from 100% Renewable energy, but carbon was always reported as drawn from the grid. Added was new allowance for Electricity Transmission and Distribution, as advised by UK Gov for reporting.

Future Considerations: Waste, Recycling, Paper, Plastics; Supplier trip impacts; offset residual emissions.