

Earth Changers Climate/Carbon Report 2020-21

Total Measured Carbon dioxide equivalent: 722.90 Kg CO₂e = 0.722 tonnes.

This occurred in a year where the Covid pandemic completely shut down tourism operations; and Earth Changers is still a new start-up finding its feet. This emissions level is rock-bottom: as we develop as a business, we will only grow – but measuring as we go will enable us to keep in check. So we have started simply:

Measure:

Our measurement includes energy, water, transport, website and cloud data storage.

Measures align with our corporate financial accounting, and its period.

We use UK Government emission conversion factors for company reporting unless stated.

Cloud data storage emissions were not available from Google, thus based on an average estimate of cloud website size factors and server energy use file size storage.

Transport represented our biggest source of emissions. However, with lockdowns, this was still minimal compared to what a non-pandemic 'normal' year's business operations will be, which we don't yet know.

Our second biggest source of emissions is energy: We buy "100 percent renewable" for the grid, though what is drawn locally is not "100% carbon-free"; variations would require hourly recording. Explicit reporting on renewable energy and associated emissions is not a mandatory requirement, but in using standard emissions conversion factors, reflect average location-based consumption.

Our third largest source of emissions is our website: this is within our management control.

Plan & Targets:

We need to grow the business post-Covid to get any sense of what "business as usual" will mean for emissions.

- 1) Finance:** As a still-new startup, Covid has prevented business development. Our priority is to secure finance to resource scaling, impact monitoring and reduction activities.
- 2) Decarbonise:** With finance, we aim to rebuild our website, more carbon-effectively. For energy, the war in Ukraine brings spiralling costs, focusing efforts on reduction of use.
- 3) Measure:** Further Scope 3 Emissions - waste, recycling and supplier impacts of trips.