

Case study: Cool Earth

Cool Earth is a UK-based international NGO that protects endangered rainforest in order to combat global warming, protect ecosystems and to provide employment for local people.

This is Cool Earth's seventh year of business carbon footprint reporting. It first calculated the carbon footprint of its Cornwall head office operations for the year ending January 2013 and set a target to reduce emissions by 5% annually. This year's footprint includes emissions from energy use in the building (natural gas and purchased electricity), from business travel (air and rail), from waste disposal and from the production of paper used in the office.

The relative carbon footprint in year ending January 2018 was 3.3 tCO₂e per employee, a decrease of 54.2% compared to YE2017. Cool Earth's total carbon footprint was 46.9 tCO₂e, a decrease of 46.6% from YE2017. The decrease in total carbon is mostly attributed to a 51% decrease in air travel (responsible for 82% of the total footprint) due to less travel required to overseas projects.

The decrease is partially offset by an increase in emissions from electricity (despite the updated 2017 Defra emission conversion factors that reflect the greening of the UK National grid for electricity).

What Cool Earth did in 2017-18

Cool Earth has achieved certification to The Planet Mark™ by showing good practice in sustainability including:

Investment to the **Eden Project** to support education on climate change

46.9 tCO₂e
measured carbon included electricity, natural gas, waste, travel and paper

46.6%
total carbon footprint reduction

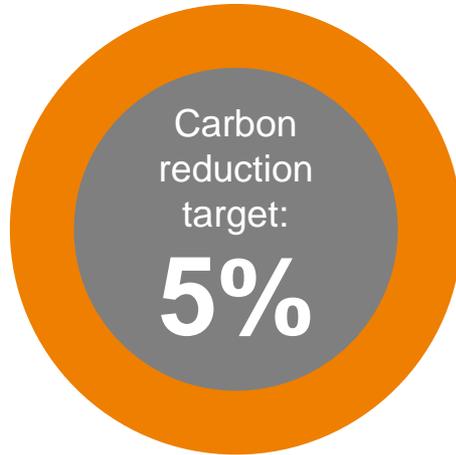
260 tCO₂
stored in one acre of protected rainforest

Commitment to engage employees and suppliers to drive improvement

51%
reduction in travel emissions

What Cool Earth plans to do in 2018-19

TARGETS



Recommendations

- Data collection: Start collecting actual monthly meter readings. Investigate the installation of smart meters. Provide evidence for paper and waste.
- Energy efficiency: An 'energy audit' will help identify where most energy is being used and potential wastage from equipment, lights and heat loss. Investigate the installation of LED, T5 and sensor lighting and the upgrade of heating controls.
- Travel: Combine many activities into one trip, choose green travel suppliers when possible, set strict criteria for long haul travel
- Staff engagement: Organise annual sustainability workshops. Carry out a energy awareness 'switch off' campaign. Provide easily accessible recycling bins.



Total carbon footprint overview

Cool Earth

Reporting year ending 2018 / Highlights

Carbon footprint (tCO ₂ e)	46.9
Per employee (tCO ₂ e)	3.3
Carbon footprint comparison	-46.6%
Comparison per employee	-54.2%
Next reduction target	5%
Data quality score	15 out of 20

Used	12,783	kWh of electricity
Used	10,565	kWh of natural gas
Produced	2	tonnes of waste
Travelled	380,018	km for business

Boundary: Cornwall office operations

Emissions measured:

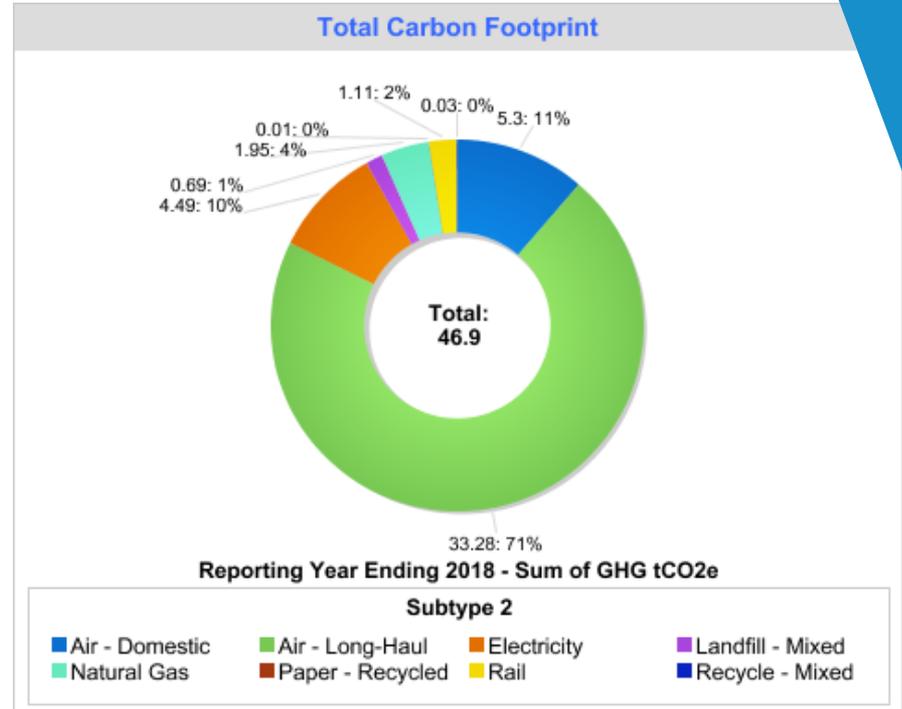


FIG 1- Total carbon footprint by emission source for reporting year ending 2018

The Planet Mark™

in partnership with
The Eden Project

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