



Carbon Footprint Measuring - Pousada Serra Verde

What are greenhouse gas emissions?

- The key greenhouse gas emissions are carbon dioxide, methane and nitrous oxide hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride. Each gas has a different capacity to cause global warming.
- Carbon dioxide is expected to be responsible for about two thirds of the anticipated future warming.

What causes greenhouse gas emissions?

- Human activities release greenhouse gas emissions into the atmosphere – using electricity generated from fossil fuel power stations, burning gas for heating or driving a car.
- The main activities from business which release greenhouse gases include
 - Electricity/gas use
 - Waste disposal/recycling
 - Business travel

How do we measure our carbon footprint?

- We measure over a 12 month period.
- We use an online calculator from the Carbon Trust
<https://www.carbontrust.com/resources/sme-carbon-footprint-calculator>
- We then use the Carbon Trust's benchmarking tool to see whether we meet European Standards.

Ongoing targets

- To reduce carbon footprint by 10% year on year.
- To move to renewable energy by 2025.

2019 Carbon Footprint

The result for Pousada Serra Verde in year 2019 is:

1,658 kgCO₂e

If you'd like to report your emissions, you can do so by breaking this down into:

431
kgCO₂e

Scope 1 emissions
(direct energy and processes)

1,227
kgCO₂e

Scope 2 emissions
(indirect impact from electricity)

Pousada Serra Verde is performing within the industry standard