ENVIRONMENT · A4 CARBON & POLLUTION · ATTRIBUTE ENV-16

GHG footprint

The hotel's carbon footprint: the amount of climate-warming gas released because of the energy it uses. Canoprise works this out for you from your energy figures.

HOW OFTEN	EVIDENCE	ENTERED BY	TYPE
Monthly	Calculation (method documented)	The property	Measured (kgCO2e)

Why it matters

Carbon dioxide and similar gases trap heat and are the cause of climate change. A footprint turns your energy use into one number that can be compared between years and between hotels. It is the figure that travel buyers, booking platforms and lenders increasingly ask for.

How to do better

- Use less energy; it is the surest way to bring the figure down.
- Move away from burning fuel on site, for example towards heat pumps or solar hot water, when equipment is replaced.
- Switch to renewable electricity.
- Fix refrigerant leaks; they add to the footprint too.

How to record it in Canoprise

1. Check each energy line has the correct fuel type; there is nothing else to enter.
2. Confirm the emission-factor set shown for your country and year.
3. Where your supplier publishes its own electricity factor, record it with its source.

What you enter

Ref	What to enter	How it is entered
ENV-16.1	**Carbon per occupied room-night (Scope 1+2, HCMI)**	Calculated for you
ENV-16.2	Scope 1	Calculated for you
ENV-16.3	Scope 2	Calculated for you
ENV-16.4	Emission-factor set & vintage	Choice
ENV-16.5	Supplier-specific electricity factor	Short text

Items marked “calculated for you” need no entry.

How it is scored

Measured per occupied room-night. With the default settings, 8 kg CO2e or less scores 100 and 35 or more scores 0, on a straight line between. Your group can set its own target and floor.

COMMON MISTAKE

Entering a carbon figure by hand from another calculator, so it no longer matches the energy data.

WHAT GOOD LOOKS LIKE

Scope 1 and 2 calculated monthly from energy data, with the factor set and method stated.

IF YOU ARE WORKING TOWARDS A CERTIFICATE

Most certification schemes require the footprint from fuel and electricity to be calculated every year. Requirements differ between schemes and change over time, so check the one you are applying to.

Where it counts

Certification

- WTTC Basics 4: Measure and reduce carbon emissions
- GSTC Hotel v4 D3: Greenhouse gas emissions
- Green Key 4.27: Scope 1 and 2 emissions calculated
- Green Key 4.28: Significant Scope 3 calculated
- EarthCheck 2.1: Core benchmarking data collected yearly (in part)
- EarthCheck 2.3.1: Greenhouse gases: inventory, reduction, refrigerants

Reporting frameworks (referenced, not scored)

- GRI 305-1: Direct (Scope 1) GHG emissions
- GRI 305-2: Energy indirect (Scope 2) GHG emissions
- GRI 305-4: GHG emissions intensity
- GRI 305-3: Other indirect (Scope 3) GHG emissions (in part)
- CSRD E1: Climate change

Part of topic guide A4 Carbon & pollution, which covers the whole topic and lists the certification criteria it supports.