ENVIRONMENT · TOPIC GUIDE A4

Carbon & pollution

Scope 1 and 2 footprint per room-night, your reduction target and any offsets.

WHAT THIS COVERS

Greenhouse-gas emissions from fuels burned on site and purchased electricity (ENV-16), calculated with the HCMI method from your energy data, plus your reduction target and any certified offsets, kept separate (ENV-17).

WHY IT MATTERS

This is the number buyers, lenders and most certifications want. Because it is calculated from energy data, the way to improve it is to improve your energy data and your energy use.

How to track it well

1. Keep energy readings complete and on time; the footprint is derived from them.
2. Check the property's region and carbon method in its settings so the right emission factors apply.
3. Record your target (net-zero year or science-based target) and any offsets you buy, with certificates.
4. Never compare carbon across properties on different methods; Canoprise shows a notice when that happens.

Your first month

1. Check every energy line has the right fuel type, because carbon is calculated from them.
2. Ask your refrigeration contractor for last year's top-up quantities by gas.
3. Write down your smoking policy and where outdoor lights are on timers or sensors.

WORKED EXAMPLE (ILLUSTRATIVE FIGURES)

From March's energy lines: 62,000 kWh of grid electricity at 0.207 kg CO_2e per kWh is about 12.8 tonnes (Scope 2); 41,000 kWh of gas at 0.183 is about 7.5 tonnes (Scope 1). Total 20.3 tonnes, or about 9.5 kg per occupied room-night. The factors depend on your country and year and are shown with the result.

Where the data comes from

- Your energy readings
- Regional emission factors (maintained centrally)
- Target statement
- Offset certificates and renewable contracts

EVIDENCE TO ATTACH

No extra evidence beyond energy bills; target document; offset or renewable certificates.

HOW OFTEN, AND WHO

Footprint automatic, monthly; target and offsets annually.

Common pitfalls

- Claiming 'carbon neutral' on the basis of offsets (restricted under EU and UK rules)
- Mixing location-based and market-based figures in one statement
- Switching methods mid-year without recalculating the baseline

What you record

3 attributes make up this topic. Each lists the data points to enter; anything marked “calculated for you” needs no entry.

GHG footprint ENV-16

Monthly

Scope 1 and 2 (and material scope 3) emissions via the HCMI method, derived from energy data

Evidence: Calculation (method documented) · Scoring: target 8 · floor 35 kgCO2e per occupied room-night

No.	Data point	How it is entered	Asked for by
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	GK 4.27 · GSTC D3
ENV-16.5	Supplier-specific electricity factor	Short text	–

Reduction target & offsets ENV-17

Annually

Carbon target (net-zero year or science-based) and certified offsets as % of emissions, kept separate from the footprint

Evidence: Target statement / offset certificates · Scoring: target 100 · floor 0 %

No.	Data point	How it is entered	Asked for by
ENV-17.1	**Offsets as share of footprint (reported separately)**	Percentage	GSTC D3
ENV-17.2	Public carbon-reduction commitment	Yes / no	GSTC D3
ENV-17.3	Target type & value	Short text	GK 4.29 (G)
ENV-17.4	Offsets purchased (tCO_2e)	Count	–
ENV-17.5	Offset certificates	Document	–

Pollution & nuisance controls ENV-26

Annually

Smoking policy and areas; outdoor lighting minimised; noise, light, runoff and erosion controls; refrigerant leak log

Evidence: SOPs / photos / service records · Scoring: in place = 100, not in place = 0

No.	Data point	How it is entered	Asked for by
ENV-26.1	**Pollution & nuisance controls**	Yes / no	GSTC D8 · GK 4.15
ENV-26.2	SOPs / photos / service records	Document	–

Ready-for-audit checklist

- Every attribute above has a value for the current period, submitted (not left as a draft).
- Each measured value has its bill, invoice, log or photo attached.
- Any estimated figure is marked as estimated, with the real figure entered when it arrives.
- Flagged readings have been confirmed or corrected.
- The method is written down: which meters, sources or records feed each number.
- Two full years of history are in place before you apply for certification.

What a certifier will ask

The certification criteria this topic supports, in plain words, and the Canoprise attribute that holds the evidence.

Scheme	Criterion	What it asks for	Supported by
WTTC Basics	4	Measure and reduce carbon emissions	ENV-16
GSTC Hotel v4	D3	Greenhouse gas emissions	ENV-16, ENV-17
GSTC Hotel v4	D8	Minimise pollution	ENV-26
Green Key	4.15	Outdoor lighting minimised	ENV-26
Green Key	4.27	Scope 1 and 2 emissions calculated	ENV-16
Green Key	4.28	Significant Scope 3 calculated (guideline)	ENV-16
Green Key	4.29	Annual carbon target and actions (guideline)	ENV-17
Green Key	7.1	Non-smoking restaurants and public areas	ENV-26
Green Key	7.2	Non-smoking rooms	ENV-26
Green Key	7.3	Staff smoking policy	ENV-26
Green Key	7.4	Indoor air quality monitored (guideline)	ENV-26
EarthCheck	2.1	Core benchmarking data collected yearly	ENV-16
EarthCheck	2.3.1	Greenhouse gases: inventory, reduction, refrigerants	ENV-16, ENV-17
EarthCheck	2.3.6	Air quality, noise and light	ENV-26

Criterion titles are Canoprise's short paraphrases of WTTC Hotel Sustainability Basics, the GSTC Hotel Standard v4 and the Green Key 2026–2031 hotel criteria; read the scheme's own text before applying. This mapping is our reading; your certification partner decides what is met.

EarthCheck clause titles paraphrase the EarthCheck Company Standard v4.2.

Where it is reported

The same data answers the reporting frameworks: GRI disclosures, SASB Hotels & Lodging metrics and CSRD (ESRS) topics. These are referenced, not scored.

Framework	Reference	What it asks for	Supported by
GRI	305-1	Direct (Scope 1) GHG emissions	ENV-16
GRI	305-2	Energy indirect (Scope 2) GHG emissions	ENV-16
GRI	305-3	Other indirect (Scope 3) GHG emissions	ENV-16*
GRI	305-4	GHG emissions intensity	ENV-16
GRI	305-5	Reduction of GHG emissions	ENV-17
CSRD	E1	Climate change	ENV-16, ENV-17
CSRD	E2	Pollution	ENV-26

* gives part of what the reference asks for. Titles are Canoprise’s paraphrases; check the official standard before you publish. GRI 102 and GRI 103 replace GRI 305 and 302 from 1 January 2027.