

# Hotel Carbon Measurement Initiative (HCMI)

## Why use HCMI?



### Comparable metrics and benchmarking

Enables hotels to calculate:

- carbon footprint per occupied room per day
- carbon footprint per area of meeting space per hour

Figures can be compared against the hotel industry's largest annual benchmarking of energy, carbon and water, the Cornell Hotel Sustainability Benchmark Index (CHSB).



### Used by over 25,000 hotels globally

- For over 10 years, HCMI has been the recognised way to calculate the carbon footprint of hotels.
- Incorporated into the corporate sustainability management platforms of major hotel companies and various business travel platforms.
- Requirement of GSTC-recognised Green Key eco-label.
- Used in the UK government's greenhouse gas reporting calculator.



### Based on expert carbon reporting guidance

- Uses core aspects of the GHG Protocol Standards – the framework for businesses, governments and others to measure and report greenhouse gas emissions.
- Regularly updated using user feedback and research by Cornell University's Center for Hospitality Research.



### Free and accessible to all hotels

- Can be used by all types of hotels around the world – no previous experience in carbon reporting required.
- Applies to individual hotels, large and small, regardless of amenities offered.



### Created by the industry, for the industry

- Developed by the Sustainable Hospitality Alliance and the World Travel & Tourism Council (WTTC), in collaboration with 23 leading global hospitality companies.
- Tested in hotels of different styles, sizes and geographical locations.
- Reviewed by hotel associations and the World Resources Institute (WRI) – a GHG Protocol development partner.



**Sustainable  
Hospitality  
Alliance**

Sustainable Hospitality Alliance is a registered charity in England and Wales (1188731). Company limited by guarantee (12373950).

Free tool and methodology to:

- calculate the carbon footprint of hotel stays, meetings and events
- report comparable carbon metrics

### Hotel Carbon Measurement Initiative (HCMI)



Results	
Total CO2e for reporting period	1,816.64 tCO2e
Total guestrooms carbon footprint	1,212 tCO2e
Total meetings carbon footprint	404 tCO2e
Carbon footprint per occupied room on a daily basis	24.2 kgCO2e
Carbon footprint per area of meeting space (1 sqm/sqft) on an hourly basis	0.1 kgCO2e
CO2 emissions for a specific client:	
Number of room nights for client	75
Amount of meeting space occupied by client	100
Duration of client's meetings	10 Hours
Client's rooms carbon footprint	1,819 kgCO2e
Client's conference carbon footprint	81 kgCO2e
Total client's carbon footprint	1,900 kgCO2e

Energy consumption

Outsourced areas

Outsourced laundry

Refrigerants

Mobile fuels

## Find out more

Find out more about HCMI and calculating carbon footprints at: [sustainablehospitalityalliance.org/hcmi](https://sustainablehospitalityalliance.org/hcmi)

## Interested in measuring other hotel impacts?

Please see our:

- [Hotel Water Measurement Initiative](#) tool and methodology
- [Hotel Waste Measurement Methodology](#)
- [guidance](#) on determining sustainability of hotels in supply chains

*Responsible hospitality for a better world*