

Whole life carbon in buildings

Guide for WBCSD case study collection

The recently published WBCSD [report “Net-zero buildings – where do we stand?”](#) concluded that we need more whole life carbon (WLC) emission data from building projects to drive the emission reductions needed in the next decade. The data is key to identifying where building emissions currently occur, i.e., the business as usual (BAU) emissions, and understanding what targets can be set on our way to decarbonization by 2050. To support these efforts, WBCSD is collecting case studies highlighting WLC emissions of buildings based on the [Building System Carbon Framework](#). The primary focus is the transparent disclosure of data rather than the harmonization of different reporting and LCA methodologies. The case studies will be published on the WBCSD website.

Please return the excel template and authorization to publish to: contucci@wbcsd.org

Overview of required information	
Project information	Building type, location, GIA [m ²], short description
General Assumptions	General, transportation scenarios, element lifespan, building life
Results	<ul style="list-style-type: none"> Building System Carbon Framework, filled table. Embodied carbon emissions of six most contributing materials/elements, Operational carbon emissions. Share of energy consumption by activity [%]
Data and sources	<ul style="list-style-type: none"> Carbon intensity and source of the six most emitting materials and systems Construction site impact
Graphs and sketches	Sketch of the building or, in alternative, pictures

Layout example from report “Net-zero buildings: Where do we stand?”

