



Passivhaus Costs and Benefits Guide Project Scope

October 2018

Contents

Introduction	1
Proposed Guidance.....	1
Passivhaus Trusts Guides 2013-2018.....	1
The 2019 publication.....	1
Contents and Structure	2
Target Audience	3
Project Timeline	3
Data Sources	3

Introduction

The total number of Passivhaus buildings in the UK has now passed 1000, with more than 500 having been completed in the last year alone, and another 1000 already planned or under construction. However, the capital costs associated with Passivhaus buildings are still a barrier to even greater uptake, particularly the extra costs compared to standard building practices

Following on from the Passivhaus Trust's *What?*, *Why?* and *How to?* Passivhaus guides, the next instalment in the series will address the costs and benefits of Passivhaus buildings, with the aim of providing evidence/ information to support those considering investing in a Passivhaus. The guide will focus on residential developments, from one-off dwellings to mid-large developments, referencing actual cost data published by Housing Associations, Local Authorities and Contractors.

Proposed Guidance

The guide is a critical area for the continued success of Passivhaus as it highlights the capital costs and performance benefits of certified Passivhaus dwellings, referencing the work of independent experts. The data will highlight the benefits to both the end user and Local Authority.

The guidance will form two main sections. The first section will demonstrate the value to health, the local economy and wider zero carbon policies for one-off and mid-large developments, with the second section focusing on the benefits to operational and ongoing maintenance costs, whole life costing and procurement approaches and associated risks.

Passivhaus Trusts Guides 2013-2018

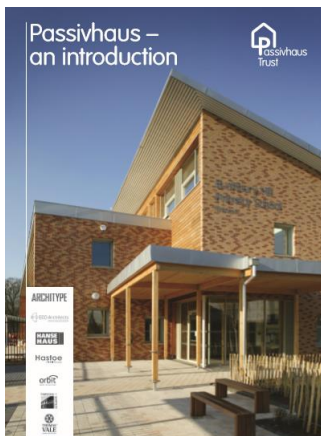


Figure 1 What is?

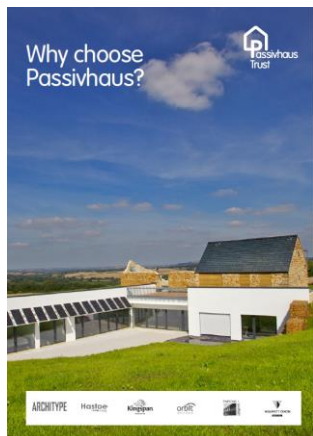


Figure 2 Why Choose?

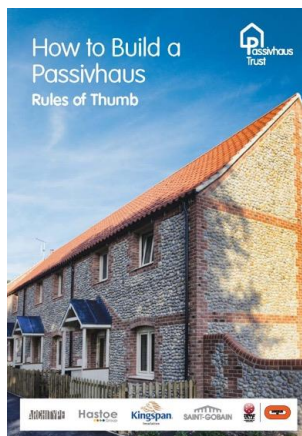


Figure 3 How To?



Figure 4 Costs and Benefits?

The 2019 publication

This publication will be professionally produced as a 20 or so page A4 booklet (inc. cover), full colour, recycled 135gsm paper. The guidance will be richly illustrated on every page, communicating as much information as possible through visual means. Diagrams will be used to illustrate graphs and diagrams, with drawings and photos to illustrate project examples.



© Passivhaus Trust

Contents and Structure

The proposed structure for the 'Costs and Benefits' Passivhaus Guide is as follows, but this is subject to change at the discretion of the Steering Group as research progresses.

1. Executive Summary
2. Introduction
3. Costs and Benefits
 - a. Health benefits
 - b. Benefits to local economy
 - c. Capital Costs
 - d. Operational Costs
 - e. Through Life Costs (*include impact of lower interest rates for low energy buildings*)
 - f. Meeting climate change targets
4. Interpretation of Analysis
 - a. Capital Costs (*explain relationship between quality/cost/design*)
 - b. Whole Life Costs
 - c. Non-financial benefits
5. How to succeed
 - a. Design priorities
 - b. Procurement & Risk Management
 - c. The long game (*explain long-term financial and non-financial focus*)



Target Audience

The target audience will be all those that are making decisions about whether to be invest in Passivhaus buildings in the UK.

Project Timeline

The timeline for this project is as follows:

No.	Activity	Deadline
1	Agree Steering Group, timeline and workplan	Nov 2018
2	Information gathering	Dec 2018 - Jan 2019
3	Prepare draft material for peer review	Jan - Feb 2019
4	Updating text and design layout, gather photos & quotes	Mar - Apr 2019
5	Final review of material – comments from sponsors Liaison with peer review and sponsors	May 2019
6	Final amends of text and information	May 2019
7	Press & PR, website and newsletter management	Jun 2019

Data Sources

The Passivhaus Trust has obtained commitment from a number of sources to provide cost data for Passivhaus projects. These will be discussed and agreed with the selected author.

