



Overheating risk assessment for social housing

As well as a net zero housing stock, SHIFT Environment's vision is for all homes to be climate resilient, including resilient to overheating. We have been helping social landlords on environmental reporting and strategy building since 2008 using our SHIFT scheme. During this time, we have found that there are no adequate tools to help landlords identify which homes are at risk. So, we ended up developing one ourselves.

We identify the number of overheating risk factors in each home. To do this, we start off with simple data from the landlord and use other national databases to complete the full picture. The risk factors are:

- Build age
- Build form
- Type of heating system
- Met Office summer temperature projections
- Degree of Urban Heat Island effect
- Location

Our "Overheating report" tool processes the data to give, for each home, the number and type of risk factors. This allows clients to focus climate resilience efforts on the subset of homes most at risk. We also advise on how to reduce that risk cost effectively.



SHIFT - Overheating report

Average risk factors per property = 1.1
% at high risk (5-6 risk factors) = 0
% at medium risk (3-4 risk factors) = 4.9
% at low risk (0-2 risk factors) = 95.1

Number of properties assessed = 5180
Number of properties not assessed due to incomplete data = 69

[Export data](#)





Don't worry about lack of input data. We have developed ways to obtain this and it may even help with your net zero planning.

If you get overheating complaints or are planning for a climate resilient stock, please get in touch.

richard@SHIFTenvironment.co.uk 07718 647117

www.SHIFTenvironment.co.uk

More about SHIFT Environment

 <p>Committee on Climate Change</p>	<p>"The Committee on Climate Change supports the SHIFT environmental accreditation scheme for social housing. It's work on environmental reporting really highlights crucial environmental issues, such as adaptation to climate change. And importantly SHIFT drives change for a better housing stock." Kathryn Brown, Head of Adaptation, Committee on Climate Change</p>
 <p>IEMA</p>	<p>The Institute of Environmental Management and Assessment have included SHIFT in their most recent guidance: "Climate change and energy – useful resources", February 2020. IEMA is the professional body for everyone working in environment and sustainability.</p>
 <p>National Housing Federation Sector Supplier Connecting with housing associations</p>	<p>National Housing Federation Sector Supplier – "reputable commercial partners who have expertise within the social housing space"</p>
 <p>WELL AP</p>	<p>Demonstrating the knowledge and understanding of the interaction between health and wellness within the built environment and the implementation process for the WELL Building Standard™ - includes thermal comfort.</p>

Selected testimonials

- "Selwood Housing have worked with SHIFT across numerous environmental projects and have been impressed with their attention to detail, technical knowledge and commitment to improving environmental performance in the social housing sector." – Liz Daniels, Asset Manager
- "At St Leger, we have expanded on our knowledge of our environmental performance through our most recent SHIFT assessment. The SHIFT assessment helped to highlight areas for improvement and challenges ahead for the whole business, with clear and understandable recommendations for the future. SHIFT has been invaluable in developing and delivering our Environmental Strategy" – Christopher Litherland, Asset Management Service Manager

SHIFT Environment services

- SHIFT standard for social landlords
- SECR / ESG reporting
- EPC analysis
- Net zero roadmaps
- Post-occupancy evaluation