

Climate Change and Resilience Policy

- Preliminary Draft -

Objective

To reduce the consequences of adverse weather events including 40% increase in the severity and frequency of those weather events.

NPPF and WBC LPR Policies

The following West Berkshire LPR Policies form the underlying policy framework.

- SP5 Responding to Climate Change – para 5.4
- SP6 Flood Risk
- DM6 Water Quality
- DM7 Water Resources and Waste Water
- DM 3 and 4

Policies

Flood Risk

- developments to alter or enlarge a single house shall not increase the green field surface water run off including a 40% climate change allowance
- small non-residential extensions (a footprint of less than 250m²) or changes of use shall not increase the green field surface water run off including a 40% climate change allowance
- all other developments including new builds shall reduce surface water run off by 15% below green field rates including a 40% climate change allowance
- developments greater than 9 properties or 0.5 hectares will include a site-specific flood risk assessment and necessary management taking into account the following:
 - i. Where anti-flooding and/or biodiversity systems are required, agreements for the adoption of the anti-

flooding and biodiversity systems - establishing the permanent owner, and practical management and maintenance regimes (and including the names of the responsible owner and manager and making provision for any necessary funding) – shall be required as part of any planning permission granted.

ii. the 1:100 year rainfall event shall be:

To be added covering inter alia

- rain falling on saturated ground or dry compacted ground (100% runoff)
- a peak intensity rainfall over
- 15 minute period of
- 1 hour period and
- a 3 hour period of 63 mm within the critical event duration
- a 24 hour rainfall 150mm
- with an allowance of 40% for climate change.

Need to check latest update of relevant data, post 2021

Need to obtain expert advice on absolute numbers relevant to SMPC area

- Runoff shall be managed within the site at designated temporary storage locations, unless there is no material impact on sites, stream or itches downstream of the development site. **Need to check if this is practical, cost effective and/or enforceable.**

Water Quality

- Development proposals within the hydrological catchment area of Foudry Brook (a designated Chalk Stream) will be required to demonstrate nutrient neutrality.

Water usage

- A requirement for the recycling of grey water in new developments. **Possible inclusion in the design codes? Need to check if costs might be prohibitive.**

Policy on Overheating **to be included in the design codes. To include use of trees to provide shade and to manage flow of cooling air.**

Policy on Biodiversity land set aside to align with latest regulations and to be referenced in the biodiversity policy statement text.

Supporting Text

Community Focus

The community survey results on the theme of climate change related only to renewable energy and energy efficiency.

Considerations

- a. 'Neighbourhood planning in a climate emergency' Flooding, Extreme Weather and Water Conservation pp 59 - 63
- b. 'How green is my plan?' Flooding and Extreme Weather p8, Climate Change and Sustainability p9

Check List – will our NP policies cover the following?

- Requires developments to incorporate sustainable drainage design features to manage the risk of flooding. **YES**
- Has examined the potential for flood risk within our neighbourhood now and in the future, both from surface water flooding, and flooding from rivers and the sea, and the potential for sea level rise. **YES**
- Has examined the potential for urban heat island effects within our neighbourhood now and in the future. **NOT CONSIDERED AN ISSUE IN SMPC**
- Includes a policy encouraging the incorporation of green roofs and walls and street trees, which can help mitigate both flooding and heat waves and can also offer wildlife habitat. **TO FORM PART OF DESIGN CODES**