**SUSTAINABLE CONSTRUCTION CHECKLIST**

Please complete and submit as part of your planning application to: development\_control@bathnes.gov.uk

The following checklist should be completed using the Council’s Sustainable Construction & Retrofitting Supplementary Planning Document (SPD) to guide the sustainable design of your development right from the start. It will demonstrate to the Council which sustainable construction principles have been considered and implemented in your development proposals for both new build and refurbishment of existing buildings. The SPD includes a glossary of selected terms used in the Checklist.There are also Core Strategy and retained local Plan policies related to sustainable construction you can refer to. Details of these are below and links are included at the end of the checklist.

**The questions in the checklist below will demonstrate compliance with the following Council policies:**

* **Sustainable Construction & Retrofitting SPD**
* **Core Strategy policies CP1 Retrofitting and CP2 Sustainable Construction**
* **Retained Local Plan policies ES2, D2, D4, NE8-12, NE14,NE15 and T3-7**
* **Core Policies CP6 and CP7 and Green Infrastructure (GI) Strategy 2013**

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| Application site address: | Brief details of your development proposal: |

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| Application Number or Reference if known:  |

Please print this document double sided if submitted by post.

*Please indicate* ***‘Yes’*** *or* ***‘No’*** *and* ***add information*** *either* ***in the box*** *provided or* ***on the last page*** *of the checklist in response to the questions below.*

*If you have additional information or details of your sustainable construction proposals, please include them in your application* ***design statement*** *and indicate this in the final box.*

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| **Local Standards**: Core Policy CP2 (Sustainable Construction) |
| 1. | Are homes in your scheme designed to achieve ‘Code for Sustainable Homes’ (CSH) levels 3 to 6? *Please attach your design stage assessment*\* *and indicate numbers below:* | Y | N | \*Design Stage CSH assessment submitted with application?Y N |
| a. | Level 3 (not compliant with Policy CP2 for major applications) | Y | N | No: |
| b. | Level 4  | Y | N | No: |
| c. | Level 5 | Y | N | No: |
| d. | Level 6 | Y | N | No: |
| 2. | Will you be constructing homes according to Passivhaus standards? *Please attach your design stage assessment with your application*\**.* | Y | N | \*Design stage Passivhaus assessment submitted with your application?Y N |
| 3. | Will you be achieving BREEAM standards in non-residential buildings? *Please attach your design stage assessment with your application*\**.* | Y | N | \*Design Stage BREEAM Assessment submitted you’re your application?Y N |
| 4. | Will your proposal achieve any ‘reds’ or ‘ambers’ in the Building for Life 12\* (BfL12) standard for sustainable urban design? *Please submit your BfL12 assessment with your application.* | Y | N | \*BfL12 assessment submitted with your application?Y N |

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| **Land Use and Ecology**: Core policies CP6, CP7, Local Plan Policies NE8-12, NE15 and Green Infrastructure Strategy |
| 5. | Are there plants and animals already on the site that you are protecting e.g. Bath Asparagus? Please name these below: | Y | N | Additional information in design statement?Y N |
| a. Plants |  |
| b. Animals |  |
| 6. | How have you enhanced or created habitats for biodiversity within your scheme e.g. incorporated bird or bat boxes? Please specify below: | Y | N | Additional information in design statement?Y N |
| 7. | Are there any protected species on your site e.g. bats or great crested newts? Please name these here and list any surveys you have carried out: | Y | N | Additional information in design statement?Y N |
| 8. | Will any plant and/or animal habitats be lost in your development proposals? If yes, please detail mitigation measures below and in your design statement\*: | Y | N | \*Additional information in design statement?Y N |
| 9. | Have you connected with or introduced multifunctional green infrastructure? E.g. by adding green roofs or street trees and connecting with the wider networks. Please specify briefly here and add details in your design statement: | Y | N | Additional information in design statement?Y N |
| 10. | Do your proposals protect the green assets within the site such as keeping clear of the roots and canopies of trees? Please provide brief details here and list any surveys: | Y | N | Additional information in design statement?Y N |

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| **Siting and Orientation:** Core PoliciesCP2 and CP3 (Renewable Energy) |
| 11. | Are new buildings orientated to maximise natural daylight and sunlight into the building? Please demonstrate this in application drawings. | Y | N | Additional information in design statement?Y N |
| 12. | Have you designed in a large proportion of south facing roof with adequate pitch to accommodate solar photovoltaic panels (PVs)? | Y | N | Additional information in design statement?Y N |
| 13. | Have you designed in a solar thermal hot water system? Please include this in your application drawings. | Y | N | Additional information in design statement?Y N |
| 14. | Does your proposal provide easy access to bus routes, cycle paths and footpaths? Please include and annotate these on your drawings. | Y | N | Additional information in design statement?Y N |

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| **Passive Design:** Core Policy CP2 |
| 15. | Have you placed windows well for maximum natural day lighting in your building? Please demonstrate and annotate this in drawings. | Y | N | Included on drawings?Y N |
| 16. | Have you designed for natural ventilation in your building e.g. well placed opening windows, stack ventilation chimneys and shallow floor plans? Please demonstrate and annotate these in drawings. | Y | N | Included on drawings?Y N |
| 17. | Have you designed in a naturally ventilated sun lobby to capture heat from the sun? Please detail and annotate this in drawings. | Y | N | Included on drawings?Y N |
| 18. | Are smaller windows and service areas such as car parking orientated to the north? Please detail and annotate on drawings. | Y | N | Included on drawings?Y N |
| 19. | Are larger windows orientated towards the south to maximise solar gain in winter?  | Y | N | Additional information in design statement?Y N |
| 20. | Do you have adequate shading to avoid overheating in high summer for south facing windows, such as shutters or a roof overhang? Please annotate these on drawings. | Y | N | Included on drawings?Y N |

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| **Thermal Mass:** Core policy CP2 |
| 21. | Are walls, floors and ceilings in your building constructed of heavyweight materials (such as brick, block and concrete) and designed to absorb the suns heat as well as keep the building cool? Please annotate these on drawings. | Y | N | Included on drawings?Y N |
| 22. | Is the insulation in your building designed to be continuous to avoid cold bridging, i.e. there are no gaps between where insulation in the walls roof and floors meet?  | Y | N | Additional information in design statement?Y N |

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| **Surface Water Run-off:** Local PlanPolicy NE14, Core Policy CP7, GI Strategy |
| 23. | Do you have a Sustainable Urban Drainage (SUDs) strategy, for example are the surfaces around your buildings all specified to be permeable? Please provide brief details below and add details in your design statement and drawings. | Y | N | Included on drawings?Y N |
| 25. | Does your SUDS strategy include multifunctional benefits such as swales and water permeable ‘green’ or ‘brown’ roofs that can also provide habitats for wildlife? Please annotate these on your drawings and add details below and in your design statement. | Y | N | Additional information in design statement?Y N |

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| **Water:** Core policy CP2 |
| 26. | Are you incorporating fittings that use less water in your scheme e.g. low flush WCs? | Y | N | Additional information in design statement?Y N |
| 27. | Have you incorporated a rainwater or grey water recycling system in your scheme? If so, please indicate this on drawings. | Y | N | Included on drawings?Y N |
| 28. | Have you improved the insulation around any retained hot water storage cylinder and pipes? | Y | N | Additional information in design statement?Y N |

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| **Energy:** Core PoliciesCP2 , CP3 and CP4 (District Heating) and Local Plan Policy ES2 |
| 29. | Have you incorporated energy efficient high performance windows in your scheme such as double or triple glazing? | Y | N | Additional information in design statement?Y N |
| 30. | Have you incorporated energy efficient fittings such as LED lights? | Y | N | Additional information in design statement?Y N |
| 31. | Have you incorporated thermostatic heating controls for each source of heat? | Y | N | Additional information in design statement?Y N |
| 32. | Do you propose any renewable energy technologies? Please provide details. | Y | N | Additional information in design statement?Y N |
| 33. | Will you be connecting to a local district heating system? This is a requirement if your development is in a district heating priority area as identified in the Core Strategy. Please provide details in your design statement. | Y | N | Additional information in design statement?Y N |
| 34. | Are you re-using existing buildings as part of your development proposals?  | Y | N | Additional information in design statement?Y N |
| 35. | If you are re-using existing buildings, please detail the energy efficiency measures you will be incorporating into their refurbishment. The Sustainable Construction & Retrofitting SPD contains a guide to each of the measures. Put additional information in the spaces on the right. |  |  | Additional information in design statement?Y N |
| a. | Draftproofing. Please state where: | Y | N |  |
| b. | Secondary Glazing | Y | N |  |
| c. | Double or Triple Glazing | Y | N |  |
| d. | Wall Insulation. Please state whether cavity or solid wall: | Y | N |  |
| e. | Roof Insulation | Y | N |  |
| f. | Floor Insulation | Y | N |  |
| g. | Solar panels. Please state if solar thermal or PV: | Y | N |  |
| h. | Boiler & Heating Controls | Y | N |  |
| i. | Ground Source Heat Pump | Y | N |  |
| j. | Mechanical Ventilation & Heat Recovery | Y | N |  |
| k. | Green Walls and/or Roofs. Please specify which: | Y | N |  |
| l. | Rainwater Harvesting | Y | N |  |
| m. | Grey Water Harvesting | Y | N |  |

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| **Materials:** Core PolicyCP2 |
| 36. | Have you proposed responsibly sourced building materials such as reclaimed roof tiles or stone? Please detail these below: | Y | N | Additional information in design statement?Y N |
| 37. | Have you incorporated recycled materials? Please specify below: | Y | N | Additional information in design statement?Y N |
| 38. | Are all materials used in your construction able to be recycled? | Y | N | Additional information in design statement?Y N |
| 39. | Have you specified renewable building materials? Please detail below: | Y | N | Additional information in design statement?Y N |

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| **Waste:** Core PolicyCP2, West of England Joint Waste Core Strategy |
| 40. | Have you designed your building avoid waste (e.g. through choice of building materials or use of standard material sizes)? Please provide brief details here: | Y | N | Additional information in design statement?Y N |
| 41. | Is your scheme designed to use the least possible amount of material? | Y | N | Additional information in design statement?Y N |
| 42. | Will you segregate waste on site for recycling? | Y | N | Additional information in design statement?Y N |
| 43. | Do you have a site waste management plan? | Y | N | Additional information in design statement?Y N |

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| **Add more information for the questions above here if required.** |

***Useful Links:***

*Bath & NE Somerset:*

* *Sustainable Construction & Retrofitting SPD*

[*http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy/supplementary-planning-documents-spds/sustain*](http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy/supplementary-planning-documents-spds/sustain)

* *Core Strategy*

[*http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy*](http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy)

* *Local Plan*

[*http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy/local-plan#Savedpolicies*](http://www.bathnes.gov.uk/services/planning-and-building-control/planning-policy/local-plan#Savedpolicies)

* *Green Infrastructure Strategy*

[*http://www.bathnes.gov.uk/services/environment/green-infrastructure/green-infrastructure-strategy*](http://www.bathnes.gov.uk/services/environment/green-infrastructure/green-infrastructure-strategy)

* *West of England Joint Waste Core Strategy*

<http://www.westofengland.org/waste-planning/adopted-joint-waste-core-strategy>

*Design Council: Building for Life 12*

[*http://www.designcouncil.org.uk/our-work/CABE/Our-big-projects/Building-for-Life/*](http://www.designcouncil.org.uk/our-work/CABE/Our-big-projects/Building-for-Life/)

**Send comments or suggestions about this Checklist and the Council’s Sustainable Construction & Retrofitting Supplementary Planning Document by e-mail to:**

**greenbuilding@bathnes.gov.uk** **or call 01225 477427, thank you.**