|  |  |
| --- | --- |
| Checklist_memorial_576 | |
| This checklist will help you consider sustainable design issues when planning any development in the National Park.  It aims to reduce the environmental impact of development and to encourage vibrant communities. We encourage everyone involved in development in the National Park to achieve the highest level of sustainable design possible.  All applicants should complete this checklist to demonstrate how their proposal meets Policy SUS DEV1. | How to use this checklist  Explain how you considered each  ✓  issue and the actions you have  taken to address it.  Where relevant, provide evidence  ✓  to support your answers, or  include a reference to the  relevant part of your application  or supporting statement.  If you are submitting a planning  ✓  application online, attach your  answers to the checklist as  supporting information.  Not all questions will be relevant to  all proposals. If you have any questions  ✓  when completing the checklist,  please contact a planning officer  on tel: 01389 722024 or email:  planning@lochlomond-trossachs.org.  If you are planning a development in the National Park, we strongly advise you to discuss your proposal with a planning officer before making your application. This will help you to identify the aspects of the checklist that are most relevant to your proposal.  We will use your completed checklist to assess your planning application.  We will also use it to monitor the contribution that development in the Park makes towards creating a sustainable future for our communities. |
| |  | | --- | | **Policy SUSDEV1 Sustainable Development** | | All new development will be required to demonstrate how sustainable development principles have been taken into account in the following:  *(a) site selection, layout - including sufficient separation from adjacent European Sites (or their tributaries), orientation, building design and lighting;*  *(b) sustainable materials;*  *(c) efficient energy use and opportunities for renewable energy;*  *(d) water conservation and management;*  *(e) conservation of important historic and cultural assets;*  *(f) facilities to manage and minimise waste;*  *(g) safety and security, including community impact;*  *(h) economic vitality;*  *(i) enhancement and creation of biodiversity; and*  *(j) facilitation and encouragement of sustainable transportation.*  All development proposals will be required to demonstrate this by completing a Sustainability Checklist supplied by the Park Authority. Larger-scale developments will be supported by a more detailed sustainable development appraisal. | |
| Loch Lomond & The Trossachs National Park Authority  National Park Headquarters, Carrochan, 20 Carrochan Road, Balloch G83 8EG  Tel: +44 (0)1389 722600 Fax: +44 (0)1389 722633  [**www.lochlomond-trossachs.org**](http://www.lochlomond-trossachs.org) **email: planning@lochlomond-trossachs.org** | |

1. SITE SELECTION AND BUILDING MATERIALS

*Will the development minimise resource use and utilise sustainable materials?*

|  |  |  |  |
| --- | --- | --- | --- |
| Site Selection and Building Materials | Yes | No | Please explain |
| 1. Does the development re-use an existing building or previously developed site? |  |  |  |
| (b) Are any of the building materials proposed to be re-used from this site? What proportion? |  |  |  |
| (c) Are the main building materials sustainable? e.g. produced from a renewable resource, sourced locally, non polluting, non-toxic, biodegradable, low embodied energy. Please outline the main materials (roof, external walls, internal walls, upper and ground floors, and windows). |  |  |  |
| (d) Is timber sourced from sustainably managed forests? e.g. FSC (Forest Stewardship Council), PEFC (Programme for the Endorsement of Forest Certification) or other certificate? |  |  |  |
| (e) Will the building materials be sourced locally? Please explain your strategy for sourcing materials. |  |  |  |

Further Help

Forest Stewardship Council (FSC) certified timber**:** [**www.fsc-uk.org**](http://www.fsc-uk.org)

PEFC (Programme for the Endorsement of Forest Certification): [**www.pefc.co.uk/**](http://www.pefc.co.uk/)

ICE database determines the embodied energy and carbon of a large number of building materials: [**http://www.bath.ac.uk/mech-eng/sert/embodied/**](http://www.bath.ac.uk/mech-eng/sert/embodied/)

2. WILDLIFE, HABITATS AND BIODIVERSITY

*Will the development protect and enhance habitats and biodiversity?*

|  |  |  |  |
| --- | --- | --- | --- |
| Habitats and Biodiversity | Yes | No | Please explain |
| **Existing habitats and biodiversity:** |  |  |  |
| 1. Have ecological surveys been carried out to identify any rare or protected habitats and species on, or adjacent to, the site? Please list the surveys carried out. |  |  |  |
| 1. Are there any rare or protected habitats and species on or adjacent to the site? Please list the protected habitats and species found. |  |  |  |
| 1. Have you minimised tree removals and mitigated for any tree loss by proposing compensatory planting? |  |  |  |
| 1. Will retained trees be protected during construction in accordance with British Standard BS 5837(2005) – Trees in Relation to Construction? |  |  |  |
| Creating and enhancing biodiversity: |  |  |  |
| 1. Will new planting be carried out? Please list species. |  |  |  |
| 1. Will development create new habitats or increase habitat connectivity or species population e.g. by linking woodland corridors? |  |  |  |

Further Help

Advice on protected species:

[**http://www.snh.gov.uk/planning-and-development/advice-for-planners-and-developers/protected-animals/**](http://www.snh.gov.uk/planning-and-development/advice-for-planners-and-developers/protected-animals/)

Link to SNH webpage for information on location of protected areas [**http://gateway.snh.gov.uk/sitelink/index.jsp**](http://gateway.snh.gov.uk/sitelink/index.jsp%20)

Biodiversity Planning Toolkit**:** [**www.biodiversityplanningtoolkit.com/default.asp**](http://www.biodiversityplanningtoolkit.com/default.asp)

National Park Planning Advice Leaflets: [**http://www.lochlomond-trossachs.org/planning/planning-advice-leaflets/menu-id-594.html**](http://www.lochlomond-trossachs.org/planning/planning-advice-leaflets/menu-id-594.html)

3. ENERGY

*Will the development minimise energy demand, reduce CO2 emissions and consider renewable energy options?*

|  |  |  |  |
| --- | --- | --- | --- |
| Energy | Yes | No | Please explain |
| a) Has the building been sited and designed to benefit from passive solar gain (sunlight) and wind shelter? |  |  |  |
| 1. What will the main energy source be? |  |  |  |
| 1. Does the development incorporate renewable or low carbon energy technologies e.g. solar panels, photovoltaic cells, biomass, ground source heat pumps, or hydroelectricity? |  |  |  |
| 1. Which Sustainability Label will you opt to achieve when you apply for building warrant? Please state if you intend to achieve the base level (‘Bronze’), or if you will opt to achieve a higher level of ‘Bronze Active’, ‘Silver’ or ‘Gold’. |  |  |  |
| 1. Do you propose to have the development assessed by any other technical and environmental performance standard such as BREEAM, Ecohomes, or the Code for Sustainable Homes? |  |  |  |

Further Help

Sustainability Labels in Scottish Building Regulations (introduced on 1 May 2011): [**http://scotland.gov.uk/Topics/Built-Environment/Building/Building-standards/about/bsdsustain**](http://scotland.gov.uk/Topics/Built-Environment/Building/Building-standards/about/bsdsustain)

BREEAM Ecohomes (environmental standard for new-build residential developments): [**www.breeam.org/page.jsp?id=21**](http://www.breeam.org/page.jsp?id=21)

BREEAM New Construction (environmental standard for non-residential developments): [**www.breeam.org/podpage.jsp?id=369**](http://www.breeam.org/podpage.jsp?id=369)

Passivhaus (international low energy design standard): [**www.passivhaustrust.org.uk/**](http://www.passivhaustrust.org.uk/)

Renewable energy technologies including grant schemes: [www.energysavingtrust.org](http://www.energysavingtrust.org) and [**www.scotland.gov.uk**](http://www.scotland.gov.uk)

For information about Scotland’s action on climate change, go to: [**www.scotland.gov.uk/Topics/Environment/climatechange**](http://www.scotland.gov.uk/Topics/Environment/climatechange)

Practical household action on climate change: [**www.energysavingtrust.org.uk**](http://www.energysavingtrust.org.uk)

4. WATER

*Will the development incorporate water efficiency and sustainable urban drainage measures?*

|  |  |  |  |
| --- | --- | --- | --- |
| Water | Yes | No | Please explain |
| 1. Does the development incorporate facilities for rainwater, grey water recycling or any other water use minimisation measures? |  |  |  |
| 1. Does the development incorporate SUDS (Sustainable Urban Drainage Systems)? |  |  |  |
| 1. Have impermeable surfaces been minimised? |  |  |  |
| 1. For private wastewater treatment systems, does the development discharge to land rather than to a water course? Refer to Policy ENV11 of the Local Plan. |  |  |  |
| 1. Does the development incorporate measures to adapt to climate change, i.e. hotter, drier summers and warmer, wetter winter and autumn periods? |  |  |  |

Further Help

SUDS (Sustainable Urban Drainage Systems) should be designed to comply with the CIRIA SUDS Manual (C697): [**www.sepa.org.uk/planning/surface\_water\_drainage.aspx**](http://www.sepa.org.uk/planning/surface_water_drainage.aspx)**.** Further guidance on SUDS can be found at: [**www.ciria.org**](http://www.ciria.org)**.** Where SUDS proposals are to be adopted by Scottish Water they should be designed to Sewers for Scotland Second Edition.

Further information on the Controlled Activities Regulations (CAR) can be found on SEPA’s website; [**http://www.sepa.org.uk/water/water\_regulation/car\_application\_forms.aspx**](http://www.sepa.org.uk/water/water_regulation/car_application_forms.aspx)

Advice on designing a SUDS Management Train**:** [**http://www.ciria.org.uk/suds/suds\_management\_train.htm**](http://www.ciria.org.uk/suds/suds_management_train.htm)

Scottish Government guidance on Delivering Sustainable Flood Risk Management: [**http://www.scotland.gov.uk/Publications/2011/06/15150211/0**](http://www.scotland.gov.uk/Publications/2011/06/15150211/0)

5. WASTE AND POLLUTION

*Will the development minimise waste and pollution, and encourage re-use and recycling?*

|  |  |  |  |
| --- | --- | --- | --- |
| Waste and Pollution | Yes | No | Please explain |
| 1. Has the building been designed to minimise waste during construction? |  |  |  |
| 1. Has a Site Waste Management Plan (SWMP) been prepared? |  |  |  |
| 1. Has a suitable space been identified for the storage of waste and recyclables inside and outside each building once operational? |  |  |  |
| 1. Will the development include measures to prevent pollution to surface and ground water (during construction and operation) e.g. drain interceptors and bunded areas? |  |  |  |
| 1. Will the development minimise pollution and disturbance during construction, e.g. from noise, dust, and vehicle movements? |  |  |  |
| 1. Has an indicative CMS (Construction Method Statement) been prepared? |  |  |  |

Further Help

SEPA advice on pollution prevention and the information to be covered in a Construction Method Statement: [**http://www.sepa.org.uk/planning/construction\_and\_pollution.aspx**](http://www.sepa.org.uk/planning/construction_and_pollution.aspx)

For information on Site Waste Management Plans (SWMPs), see:

PAN 63 on Waste Management Planning: [**http://www.scotland.gov.uk/Publications/2002/02/pan63/pan-63**](http://www.scotland.gov.uk/Publications/2002/02/pan63/pan-63), and Appendix B of Scotland’s Zero Waste Plan: [**http://www.scotland.gov.uk/Resource/Doc/314168/0099749.pdf**](http://www.scotland.gov.uk/Resource/Doc/314168/0099749.pdf)

6. TRANSPORT

*Will the development encourage the use of sustainable modes of transport in accordance with Policy TRAN2 of the Local Plan?*

|  |  |  |  |
| --- | --- | --- | --- |
| Transport | Yes | No | Please explain |
| 1. Will the development encourage sustainable travel e.g. walking, cycling, and use of public transport? Explain what has been done to minimise car use. |  |  |  |
| 1. Will the development provide safe links to the Core Paths Network (paths identified in the Core Paths Plan, June 2010) and other routes or provide new access opportunities? |  |  |  |
| 1. Have innovative transport approaches been considered? For example, employee travel plans (actions designed by a workplace to encourage sustainable travel), car clubs (that give access to cars on a per mile basis and reduce car ownership), provision of electric vehicle charging points, bespoke transport links, collaborative transport services. |  |  |  |
| 1. Will the development support working from home e.g. does it provide a space for a home office? |  |  |  |
| 1. Has a transport statement or Transport Assessment (larger-scale developments) been completed in accordance with Local Plan Policy TRAN3? |  |  |  |

Further Help

Guidance on Transport Assessments for Development Proposals in Scotland: [**www.scotland.gov.uk/Publications/2002/04/14551/3214**](http://www.scotland.gov.uk/Publications/2002/04/14551/3214)

Employee Travel Plans**:** [**www.scotland.gov.uk/Publications/2002/10/15454/11007**](http://www.scotland.gov.uk/Publications/2002/10/15454/11007)

Public transport services within the National Park: [**www.lochlomond-trossachs.org**](http://www.lochlomond-trossachs.org) or **www.travelinescotland.com**

Core Paths Plan: [**www.lochlomond-trossachs.org/looking-after/core-paths-plan/menu-id-394.html**](http://www.lochlomond-trossachs.org/looking-after/core-paths-plan/menu-id-394.html)

Guidance for organisations developing and implementing travel plans [**www.travelknowhow.org.uk/tactran**](http://www.travelknowhow.org.uk/tactran)

Information on all modes of transport (cycling, walking etc) within the National Park [**www.tactranconnect.com**](http://www.tactranconnect.com)

7. SOCIAL AND COMMUNITY WELLBEING:

*Does the development enhance social and community wellbeing and have buildings been designed to be accessible and flexible?*

|  |  |  |  |
| --- | --- | --- | --- |
| Social | Yes | No | Please explain |
| 1. Does the development promote outdoor recreation, health and community interaction, e.g. by providing green spaces, community facilities and access to core paths? |  |  |  |
| 1. Does the development provide a private outdoor amenity space? |  |  |  |
| 1. Have buildings been designed to be accessible and flexible? State if designed to achieve Lifetime Homes Standard ([www.lifetimehomes.org.uk](http://www.lifetimehomes.org.uk)) |  |  |  |
| 1. Does the development ensure public safety, provide security and prevent crime? Note if you intend to obtain a Secured by Design certificate. |  |  |  |
| 1. Have you consulted the community (stakeholders, users, village or Community Council) about your proposal? If so, please explain how. Indicate whether you have provided a summary of the feedback you received. |  |  |  |
| 1. Is your development close to community facilities? For example, how far to the nearest shop or school? |  |  |  |

Further Help

For a map of the Community Council boundaries within the National Park, go to:

[**www.lochlomond-trossachs.org/living/our-communities/menu-id-202.html**](http://www.lochlomond-trossachs.org/living/our-communities/menu-id-202.html)

Secured by Design:

[**www.securedbydesign.com**](http://www.securedbydesign.com)

8. ECONOMIC:

*Does the development contribute to the sustainable economic vitality of the National Park?*

|  |  |  |  |
| --- | --- | --- | --- |
| Economic | Yes | No | Please explain |
| (a) Does the development increase employment opportunities for local people either during construction or after? Please explain how. |  |  |  |
| (b) Does the development provide training opportunities for local people? |  |  |  |

|  |  |
| --- | --- |
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