

Low Carbon Sustainability Checklist for Planning Applications

| Issue Overview and Aim | Validation Requirement | Exemption | Information Submitted with Applications √ |
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| <p><u>Energy and Climate Change</u> Demonstrate that the application meets the CO² emissions reduction targets currently in place and that the required proportion of that reduction is met by low and zero carbon generation technologies.</p> <p>Improve the energy efficiency of both domestic and non-domestic buildings to minimise total whole-life energy consumption.</p> <p>Support the use of renewable energy rather than fossil fuel sources during concept/design as well as in-service phases with the ultimate aim of decarbonising the energy and heat supply. Improve resilience to climate change, including higher temperatures; changing patterns of precipitation; more frequent extreme weather events; rising sea levels. Impacts on flooding and water supply are addressed.</p> | <p>For Local Developments - Provide information of the energy efficiency measures taken and energy generating technologies associated with this application</p> <p>For Major Developments - An energy statement on intention is required. See Low Carbon Fife Supplementary Guidance page 59 for more information</p> | <p>Householder Application Proposals which are not heated or cooled (other than heating or frost protection).</p> <p>Conversion of buildings</p> <p>Small extensions in line with Building standards 6.1 exemptions</p> <p>Temporary buildings with an intended life of less than 2 years</p> | <p style="text-align: center;"><input checked="" type="checkbox"/></p> <p>Details: The application is for front and rear alterations to the site, such as replacing the existing canopy and the associated covered jet wash area, with a new canopy with associated forecourt works to the surface and formation of 3 new islands with 6 pumps and offset fills all to current energy efficiency standards. Likewise, as per Low Carbon guidance, the changes introduced to the front of the building (new glazed door, new windows, DDA compliant threshold) intends to use less energy by increased insulation to meet required U-value, and to reduce heat loss. The new parking area at the rear includes the provision of 2 new EV charger</p> |
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| | | | posts to encourage the adoption of low carbon vehicles. |
| <p><u>Materials</u> Materials sourced from local or sustainable sources</p> | <p>A statement should be included setting out that the development will endeavour to provide the materials from local or sustainable sources. Additional detail should be included if available. See Making Fife's Places Supplementary Guidance page 37 for more information.</p> | <p>Householder Applications</p> | <p style="text-align: center;"><input checked="" type="checkbox"/></p> <p>Details: All materials will be sourced locally as much as possible. New timber fences for screening will be of sustainable resources.</p> |
| <p><u>Sustainable Urban Drainage System (SUDS)</u> As our climate changes and more rainfall is predicted in many parts of the world, it is important that we control the impact of rainwater to prevent flooding or pollution of watercourses. Sustainable Urban Drainage measures need to be put in place to ensure that there will be no increase in the rate of surface water run-off in peak conditions or detrimental impact on the ecological quality of the water environment.</p> | <p>We require Compliance and Independent Check Certificate's to be submitted as per Fife Council's Sustainable Drainage Systems (SUDS) - Design Criteria Guidance Note</p> <p>See Making Fife's Places Supplementary Guidance page 14 for more information.</p> | <p>Householder Applications</p> <p>Applications for erection of only one dwellinghouse</p> | <p style="text-align: center;"><input checked="" type="checkbox"/></p> <p>Details: The proposed works will not increase flooding or flood risk (on the site or elsewhere) from all potential sources. From review of SEPA Flood maps, the proposed development site shows a partial area identified as of 0.1% chance of flooding, this will be improved through the use of porous materials at the new rear parking, to allow surface water to</p> |

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| | | | naturally infiltrate to ground. Grass and soft landscaping will be retained to the North boundary. Refer to Scottish Water PDE submission. |
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| <p><u>Waste</u></p> <p>Support applications that reduce the creation of waste. Facilities are provided for the separate collection of dry and recyclable waste and food waste. Drive the development of a plastic recycling facility</p> | <p>Planning Permission in Principle (PPP) Applications – A statement setting out that measures for the storage of dry recyclable waste and food waste will be provided as part of the development.</p> <p>Full Planning Permission Applications – Full details on how dry and recyclable waste and food waste will be stored.</p> | <p>Householder Applications</p> | <p align="center"><input checked="" type="checkbox"/></p> <p>Details: During construction phase all waste will be responsibly dealt with, as per current legislation. Large storage bins will be stored away in a new yard area located next to the existing shop, for easy access, collection and out of sight from the public realm.</p> |
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| <p><u>Travel and Transport</u></p> <p>Developments make a positive contribution towards the improvement of sustainable transport network.</p> <p>Promoting sustainable transport modes in the following order of priority: walking, cycling, public transport, cars.</p> <p>Reducing car dependency.</p> <p>Minimising the amount of travelling required, thus reducing greenhouse gas emissions, especially for air and road travel</p> | <p>PPP Applications – A statement should be included setting out the intended measures to encourage and facilitate the use of sustainable transport focusing on the order of priority.</p> <p>Full Planning Permission Applications – Full details on how the development encourages and facilitates the use of sustainable transport focusing on the order of priority. (Demonstrated through a Transport Assessment or Green Travel Plan).</p> | <p>Householder Applications</p> | <p style="text-align: right;"><input type="checkbox"/></p> <p>Details:</p> |
| <p><u>Air Quality</u></p> <p>Address impacts on air quality by reducing congestion and address the poor air quality that already exists.</p> | <p>An Air Quality Impact Assessment is required where any of the following apply:</p> <ul style="list-style-type: none"> • For all applications subject to an Environmental Impact Assessment (listed in Environmental Impact Assessment (Scotland) Regulations 2017) or • 10 or more residential units or a site area of more than 0.5ha • More than 1,000m² of floor space for all other uses or a site area greater than 1ha <p>Coupled with any of the following:</p> <ul style="list-style-type: none"> • The development has more than 10 parking spaces • The development will have a centralised energy facility or other centralised combustion process <p>See Low Carbon Fife Supplementary Guidance Appendix D for more information</p> | <p>Householder Applications</p> <p>Less than 10 residential units or a site area of less than 0.5ha</p> <p>Less than 1,000m² of floor space for all other uses or a site area smaller than 1ha</p> | <p style="text-align: right;"><input type="checkbox"/></p> <p>Details:</p> |

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| <p><u>District Heating</u></p> <p>All applications which create a heat demand or waste heat will be assessed to establish if district heating is likely to be a viable option. All applications for proposals which fit this description need to be tested against the district heating process map set out in section 3.2.2 of the Low Carbon Fife Supplementary Guidance (see page 64) - to establish if a further investigation into heat networks is required. To reduce the cost of heat supply and the carbon intensity of heat generation.</p> | <p>Depending on answers to the questions below will determine whether a further investigation is required</p> <p><i>Is the proposal within 1km of an existing or proposed heat network? (See Low Carbon Fife SG Appendix E for more information) If yes – has an indicative heat demand been provided for the development?</i></p> <p><i>Is further investigation into heat networks required? If yes - has a further investigation into heat networks been provided?</i></p> <p><i>Is the proposal for one of the following types of development?</i></p> <ul style="list-style-type: none"> • A public sector development; • A further education campus; • A proposal for over 10,000m2 non-domestic development with an anchor customer (anchor customers include swimming pools, hospitals, aqua-culture and industrial units or building with a significant and heat demand) • A mixed use development – with at least 50 residential units and at least 10,000m2 of buildings with the following uses, education, community and leisure, retail, healthcare, manufacturing/industrial <p><i>If yes – has information on the linear heat density of the development been provided? (see Low Carbon Fife SG section 3.2.2 for more information) Is the linear heat density 4 or over? (see Low Carbon Fife SG section 3.2.3 for more information) If yes – has further investigation into heat networks been provided?</i></p> | <p>Householder Applications</p> <p>Applications out-with 1km of existing or proposed heat network and is not one of the following developments:</p> <ul style="list-style-type: none"> • A public sector development; • A further education campus; • A proposal for over 10,000m2 non-domestic development with an anchor customer (anchor customers include swimming pools, hospitals, aqua-culture and industrial units or indeed any other building with a significant and stable heat demand) • A mixed use development – with at least 50 residential units and at least 10,000m2 of buildings with the following uses, education, community and leisure, retail, healthcare, manufacturing/industrial <p>And does not have a total aggregate thermal input exceeding 20Megawatts</p> | <div style="text-align: right; margin-bottom: 5px;"><input type="checkbox"/></div> <p>Details:</p> |
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