**London Borough of Camden**

**Energy Efficiency and Renewable Energy and Sustainability Plan**

**S106 Pro-forma V.3 – Part A Pre-implementation**

(To be submitted for approval : [planningobligations@camden.gov.uk](mailto:planningobligations@camden.gov.uk))

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| **Scheme address:** |  |
| **Planning Reference:** |  |
| **Related Planning References:** |  |
| **Scheme Description:** |  |
| **Person/s undertaking review on behalf of applicant** *(include organisation name and registration number)***:** |  |

This form must be completed by an appropriately qualified independent Energy and Sustainability Consultant, undertaking the review of the Energy Efficiency and Renewable Energy and Sustainability Plans, as required by the S106 Legal Agreement, on behalf of the applicant. Please complete the form in full. If you have any questions please contact [planningobligations@camden.gov.uk](mailto:planningobligations@camden.gov.uk)

**S106 CLAUSE DETAILS**

Please summarise how the applicant is meeting their planning obligations relating to energy / sustainability as outlined within the S106 agreement (add/ remove rows as applicable).

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| **S106 clause no.** | **S106 clause wording** | **Summary of performance** |
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**BUILDING SPECIFICATION TARGETS**

**Energy and Sustainability Statement key targets:**

Please outline in the table below the key targets from the Energy and Sustainability Statements submitted at Full Planning stage, and summarise how the detailed design specification compares. Add or delete rows as necessary.

Please clearly outline any reasons for changes to the approved building specification.

|  |  |  |
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|  | **Approved Planning Documents: energy and sustainability statement targets** | **Pre-Implementation (Detailed Design Stage): performance against targets** |
| **Carbon reduction targets** |  |  |
| **Building fabric u-values and air permeability** |  |  |
| **Low carbon technologies** |  |  |
| **Renewable energy targets** |  |  |
| **Decentralised energy network connection** |  |  |
| **Metering, monitoring and management** |  |  |
| **Code for Sustainable Homes**   * **Overall % + Rating** * **% credits Energy** * **% credits Water**   **% credits Materials** |  |  |
| **BREEAM**   * **Overall % + Rating** * **% credits Energy** * **% credits Water** * **% credits Materials** |  |  |
| **Materials, sourcing and waste** |  |  |
| **Green infrastructure** |  |  |
| **Water efficiency and SuDS** |  |  |
| **Other** |  |  |

**ENERGY HIERARCHY**

Please enter in the tables below carbon reductions for each stage of the energy hierarchy (Baseline, Be Lean, Be Clean, Be Green) and for each development type, following the guidance outlined in the GLA’s *Guidance on Preparing Energy Assessments* and *Camden Planning Guidance* *CPG3*.

Please be aware that where carbon dioxide reduction targets are not met, the applicant will be required to provide details of their remedial proposals, either to:

1. Retrofit on-site carbon reduction measures with a view to meeting targets, or
2. Implement carbon reduction measures elsewhere in the borough (prior agreement with the Council will be sought)
3. Make a carbon offset payment, where appropriate.

**Key targets from approved Energy Statement:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Commercial New-build (includes major refurbishments assessed under Part L2A) | | | Residential New-build (includes major refurbishments assessed under Part L1A) | | | Commercial Refurbishment (assessed under Part L2B) | | | Residential Refurbishment (assessed under Part L1B) | | |
| Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* |
| **Baseline** |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |
| **Be Lean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Clean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Green** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Target** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |
| **Shortfall** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |

*\* reduction calculated against previous stage (except TOTAL, which is calculated against Baseline)*

**Pre-implementation (Detailed Design Stage) proposals:**

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|  | Commercial New-build (includes major refurbishments assessed under Part L2A) | | | Residential New-build (includes major refurbishments assessed under Part L1A) | | | Commercial Refurbishment (assessed under Part L2B) | | | Residential Refurbishment (assessed under Part L1B) | | |
| Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* |
| **Baseline** |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |
| **Be Lean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Clean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Green** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Target** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |
| **Shortfall** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |

*\* reduction calculated against previous stage (except TOTAL, which is calculated against Baseline)*

**EVIDENCE:**

**Pre-implementation (Detailed Design Stage)**

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|  | **Enclosed?** | | | **Notes:** | |
|  | **Yes** | **N/A** | |  | |
| Copies of SAP/ SBEM worksheets |  |  | | Please submit SAP/SBEM calculations evidencing the CO2 savings for each stage of the energy hierarchy, including baseline (TER), alongside this report. State which apartments have been sampled (if applicable). Results need to reflect the detailed design of the development. | |
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| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| Code for Sustainable Homes Design Stage Assessment |  |  | | This will need to be a Design Stage Assessment. Although the Council is no longer able to condition new housing developments to achieve CfSH certification, applications already committed through S106 to achieving certification will be required to fulfil this obligation. | |
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| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| BREEAM Design Stage Assessment and Certificate |  |  | | Please note: this will need to be the Design Stage Assessment review and not a copy of the “Pre-Assessment” review. Applicants should also submit Design Stage certificates, or evidence from BRE of submission of this review for certification. | |
| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| Technical details/ plans/ drawings of installed CHP and other low/ zero carbon technologies (where relevant) |  |  | | Please submit details where relevant, as outlined in the S106. | |
| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| CHP Air Quality Assessment |  |  | | Please follow the Council’s guidance on completing air quality assessments outlined in *CPG6*. | |
| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| Decentralised Energy Network connection details. |  |  | | Details should include: plans/drawings demonstrating: adequate plant room space provision; space for future heat exchanger; details of provisions made for connections (capped pipework, pipe routes, and provision of domestic hot water isolation valves); and any further details demonstrating that the connection has been designed in accordance with the CIBSE Heat Networks Code of Practice for the UK . | |
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| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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| Remedial CO2 and renewables proposals |  |  | | Document containing full details of proposals to fulfil approved carbon reduction targets &/or renewable energy targets by: retrofitting on site, measures elsewhere in Borough, or additional offset contribution. | |
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| Title of Submission | | | Date produced | | Author’s Name, Organisation & Client |
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Please provide any further information relevant to this development – prior to implementation:

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I confirm that the information supplied in this Proforma (and supporting evidence) is accurate. I will notify the Council should any of the information contained change. The agreed contents of the Energy Efficiency and Renewable Energy and Sustainability Plan, the information contained in this Proforma and the terms of Section 106 agreement pursuant to the planning permission must be complied with, unless otherwise agreed in writing by the Council.

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| --- | --- |
| **Signed:** |  |
| **Print full name:** |  |
| **Position:** |  |
| **Date:** |  |

Please submit to: [planningobligations@camden.gov.uk](mailto:planningobligations@camden.gov.uk)

**End of form A (Pre-Implementation)**

**London Borough of Camden**

**Energy Efficiency and Renewable Energy and Sustainability Plan**

**S106 Pro-forma – Part B Post Completion**

(To be completed and submitted for approval prior to occupation)

**S106 CLAUSE DETAILS**

Please summarise how the applicant is meeting their planning obligations relating to energy / sustainability as outlined within the relevant S106 agreement (please add/remove rows as applicable).

|  |  |  |
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| **S106 clause no.** | **S106 clause wording** | **Summary of performance** |
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**BUILDING SPECIFICATION TARGETS**

**Key targets from approved Energy and Sustainability Statements:**

Please outline in the table below the key targets from the Energy and Sustainability Statements submitted at Full Planning stage, and summarise how the as-built building compares. Add or delete rows as necessary.

Please clearly outline any reasons for changes to the approved building specification.

|  |  |  |
| --- | --- | --- |
|  | **Approved Planning Documents: energy and sustainability statement targets** | **Post completion (Post Construction Stage): performance against targets** |
| **Carbon reduction targets** |  |  |
| **Building fabric u-values and air permeability** |  |  |
| **Low carbon technologies** |  |  |
| **Renewable energy targets** |  |  |
| **Decentralised energy network connection** |  |  |
| **Metering, monitoring and management** |  |  |
| **Code for Sustainable Homes**   * **Overall % + Rating** * **% credits Energy** * **% credits Water**   **% credits Materials** |  |  |
| **BREEAM rating**   * **Overall % + Rating** * **% credits Energy** * **% credits Water**   **% credits Materials** |  |  |
| **Materials, sourcing and waste** |  |  |
| **Green infrastructure** |  |  |
| **Water efficiency and SuDS** |  |  |
| **Other** |  |  |

**Post-Completion (Post Construction Stage) results:**

Please enter in the tables below the carbon reductions for each stage of the energy hierarchy (Baseline, Be Lean, Be Clean, Be Green) and for each development type, following the guidance outlined in the GLAs *Guidance on Preparing Energy Assessments* and *Camden Planning Guidance* *CPG3*.

Please be aware that where carbon dioxide reduction targets are not met, the applicant will be required to provide details of their remedial proposals either:

1. Retrofit on-site carbon reduction measures with a view to meeting targets
2. Implement carbon reduction measures elsewhere in the borough (prior agreement with the Council will be sought)
3. Make a carbon offset payment, where appropriate.

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|  | Commercial New-build (includes major refurbishments assessed under Part L2A) | | | Residential New-build (includes major refurbishments assessed under Part L1A) | | | Commercial Refurbishment (assessed under Part L2B) | | | Residential Refurbishment (assessed under Part L1B) | | |
| Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* | Total tCO2 | tCO2 reduction\* | % reduction\* |
| **Baseline** |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |  | N/A | N/A |
| **Be Lean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Clean** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Be Green** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Target** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |
| **Shortfall** |  |  |  |  |  |  | N/A | N/A | N/A | N/A | N/A | N/A |
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*\* reduction calculated against previous stage (except TOTAL, which is calculated against Baseline)*

**Post Completion (Post Construction Stage) Review**

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|  | | | | | **Enclosed?** | | | **Notes:** | | | |
| Copies of SAP/ SBEM worksheets | | | | | **Yes** | | **No** | Please submit SAP/SBEM calculations evidencing the CO2 savings for each stage of the energy hierarchy, including baseline (TER), alongside this report. Please provide details of which apartments have been sampled (if applicable). Results will need to reflect the actual constructed building. | | | |
| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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| Code for Sustainable Homes Post Construction Assessment and Certificate | |  | | |  | | | | This will need to be the final Post Construction Stage Assessment review and certificate. Although the Council is no longer able to condition new housing developments to achieve CfSH certification, any application which has already committed to achieving certification through S106 will be required to fulfil this obligation. | | |
| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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| BREEAM Post Construction Assessment and Certificate | |  | | |  | | | | This will need to be the Post Construction Assessment review and not a copy of the “Pre-Assessment” or “Design Stage” review. Applicants should also submit Post Construction Stage certificates, or evidence from BRE of submission of this review for certification | | |
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| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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|  | | | | | | | |  | |  | |
| Technical details/ plans/ drawing of installed CHP and other low/ zero carbon technologies (where relevant) | | | | |  | |  | Please provide confirmation/ evidence that approved measures have been implemented. | | | |
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| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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| Decentralised Energy Network connection details. | | | | |  | |  | Please provide confirmation/ evidence that approved measures have been implemented. | | | |
| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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| Remedial CO2 and renewables proposals | | | | |  | |  | Document containing full details of proposals to fulfil approved carbon reduction targets &/or renewable energy targets by: retrofitting on site, measures elsewhere in Borough, or additional offset contribution. | | | |
| Title of Submission | | | | | | | | Date produced | | Author’s Name, Organisation & Client | |
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| I confirm that the information supplied in this Proforma (and supporting evidence) is accurate. I will notify the Council should any of the information contained change. The agreed contents of the Energy Efficiency and Renewable Energy and Sustainability Plan, the information contained in this Proforma and the terms of Section 106 agreement pursuant to the planning permission must be complied with, unless otherwise agreed in writing by the Council. | | | | | | | | | |
|  | | | | | | | | | |
| **Signed:** | |  | | | | | | | |
| **Print full name:** | |  | | | | | | | |
| **Position:** | |  | | | | | | | |
| **Date:** | |  | | | | | | | |

Please submit to: [planningobligations@camden.gov.uk](mailto:planningobligations@camden.gov.uk)

**End of form – B (Post Completion)**