**Good Homes Alliance - 2021 Case Study Template  
Section B - Detailed case study information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Net Zero Operational Performance and Low Carbon Technologies** | | | |
| ***Category*** | ***Metrics*** | ***Targets*** | ***Monitoring result*** |
| **Energy efficiency** | **Energy Use Intensity (EUI), e.g.**   * LETI Net Zero - 35kWh/m2 * RIBA 2025 - 70kWh/m2 |  |  |
| **Space heating demand, e.g.**   * Passivhaus - 15 kWh/m2/yr * Fabric Energy Efficiency (FEES) - 39 and 46 kWh/m2/yr |  |  |
| **SAP/EPC rating**   * EPC rating * SAP inputs |  |  |
| **Elemental targets, e.g.**   * Passivhaus Classic - (average U value 0.14 W/m²K; triple glazing; air-tightness 0.6 ACH) |  |  |
| **Low carbon technologies and systems efficiency** | **Performance of low carbon tech, e.g.**   * Heat Pump CoP (ASHP, GSHP) ref CCC >3CoP * PV/solar thermal installed capacity * Battery or other storage or peak demand abatement |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Whole Life Carbon and Resource Efficiency** | | | |
| ***Category*** | ***Metrics*** | ***Targets*** | ***Monitoring result*** |
| **Embodied carbon** | **Embodied carbon target, e.g.**   * 450kgCO2e/m2 (RIBA 2025 target) * Disclosure as per GLA’s WLC assessments guidance [link] * Transparent reporting and use of EPDs * C.f. GLA Circular Economy guidance [link] |  |  |
| **Material efficiency; Responsible sourcing; End of life (e.g. ease of disassembly; potential for re-use)** | * BS EN 1578 Assessment of Environmental Performance * Circular product standards, e.g. Cradle-to-Cradle |  |  |
| **Water efficiency; Flood resilience; Electric vehicle charging** | * Dwelling water use * Flood resilience target or mitigation survey/mapping * Provision for electric vehicle charging |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Healthy Living: Place and Building** | | | |
| ***Category*** | ***Metrics*** | ***Targets*** | ***Monitoring result*** |
| **Thermal comfort and overheating resilience** | * GHA Overheating guidance; CIBSE TM59 calculation * 2050 Weather files (Prometheus data; GLA) |  |  |
| **Digital infrastructure for home-working and care needs** | * Home control, user interface; Monitoring permissions, systems |  |  |
| **Private, semi-private and public access to green/amenity space and nature** | * Balcony and terrace minimum standards (e.g. 5m2, London Housing Design Guide * Local shared space * PTAL limits for local healthcare, schools, shops |  |  |
| **Biodiversity Net Gain and microclimate for adaptation** | * % Net Gain; reduced hard surface/albedo for cooling |  |  |
| **Healthy/non-toxic materials** | * Building standards, e.g. WELL, Building Biology * Product standards, e.g. natureplus |  |  |
| **Safety and security** | * Secured by Design |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Quality and Economy** | | | |
| ***Category*** | ***Metrics*** | ***Targets*** | ***Monitoring result*** |
| **Scalability and economy at scale** | * Quality assurance scheme: audit, site checks, testing, e.g. BEPIT, Assured Performance Process |  |  |
| **Deployment of modern methods; quality control strategy** | * Design for Manufacture and Disassembly |  |  |
| **Buildability; replicable assembly; space standards; adaptability** |  |  |  |
| **Economic investment: upfront cost Vs construction costs** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Inclusive Living** | | | |
| ***Category*** | ***Metrics*** | ***Targets*** | ***Monitoring result*** |
| **Flexibility of design; accessibility standards; space standards** | **E.g.**   * Building Regs Part M; Lifetime Homes * National Space Standards |  |  |
| **Community and social support: connectivity, amenity** | * HAPPI principles |  |  |

Please complete and return to Larry Tate - [larry@goodhomes.org.uk](mailto:larry@goodhomes.org.uk).

For more information, visit - <https://goodhomes.org.uk/news/call-for-net-zero-case-studies>.