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

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| **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
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| **Space heating demand, e.g.*** Passivhaus - 15 kWh/m2/yr
* Fabric Energy Efficiency (FEES) -39 and 46 kWh/m2/yr
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| **SAP/EPC rating*** EPC rating
* SAP inputs
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| **Elemental targets, e.g.*** Passivhaus Classic - (average U value 0.14 W/m²K; triple glazing; air-tightness 0.6 ACH)
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| **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
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| **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]
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| **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
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| **Water efficiency; Flood resilience; Electric vehicle charging** | * Dwelling water use
* Flood resilience target or mitigation survey/mapping
* Provision for electric vehicle charging
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| **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)
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| **Digital infrastructure for home-working and care needs** | * Home control, user interface; Monitoring permissions, systems
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| **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
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| **Biodiversity Net Gain and microclimate for adaptation** | * % Net Gain; reduced hard surface/albedo for cooling
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| **Healthy/non-toxic materials** | * Building standards, e.g. WELL, Building Biology
* Product standards, e.g. natureplus
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| **Safety and security** | * Secured by Design
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| **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
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| **Deployment of modern methods; quality control strategy** | * Design for Manufacture and Disassembly
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| **Buildability; replicable assembly; space standards; adaptability** |  |  |  |
| **Economic investment: upfront cost Vs construction costs** |  |  |  |

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| **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
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| **Community and social support: connectivity, amenity** | * HAPPI principles
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Please complete and return to Larry Tate - larry@goodhomes.org.uk.

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