The four themes of the London Energy Transformation Standard (LETI) APPENDIX B

- Fabric
- Heat and Power
- Embodied Carbon
- Data Disclosure









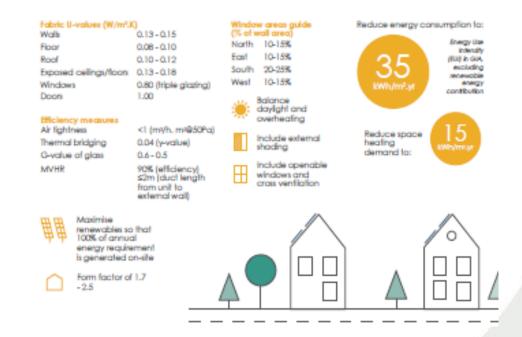


Fabric – Benchmark

APPENDIX B cont.

- Fabric U values Windows, Walls, roof, etc.
- Efficiency Measures Air tightness, thermal bridging, G values glass, MVHR
- Maximise renewables
- Window area guidance
- Shading
- Reduced energy consumption to 35kwh/m² per year
- Reduce space heating demand to 15 kwh/m² per year







Heating, Hot water, Demand Response

- Benchmark

APPENDIX B cont.

- Fuel (no Fossil fuel/No Gas)
- Heating max 10 w/m2 peak heat loss
- Hot water max dead lag hot water of 1m, green euro water outlets
- Peak time reduction of energy use
- Electricity generation and storage
- Electric vehicle charging
- Behavioural change



Heating and hot water implement the following measures:



Ensure heating and hot water generation is fossil fuel free



Maximum 10W/m² peak heat lass (including



Maximum dead leg of 1 litre for hot water

'Green' Euro Water Label should be used for hot water outlets (e.g.: certified 6 L/min shower head - not using flow restrictors).

Demand response

implement the following measures to smooth energy demand and consumption:



Peak reduction

Reduce healing and hot water peak energy demand



Active demand response measures

Install heating set point control and thermal storage



Electricity generation and storage

Consider ballery storage

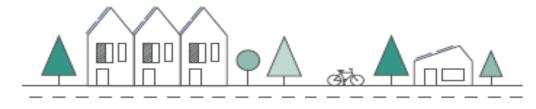


Electric vehicle (EV) charging Electric vehicle turn down



Behaviour change

Incentives to reduce power consumption and peak grid constraints.



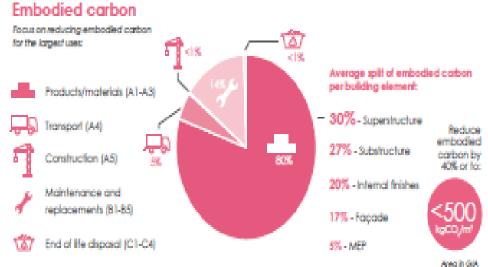


Embodied Carbon – Benchmark

APPENDIX B cont.

- Production materials
- Transport
- Construction
- Maintenance and replacement
- End of life disposal
- Reduce embodies carbon by 40%
- Less than 500 kgCO/M2







Data Disclosure - Ambition

APPENDIX B cont.

- Metering
 - renewables
 - vehicle charging (where applicable)
 - heating
 - internal temperatures
 - smart metres
- Annual Building Energy consumption
- Annual reporting by scheme
- Date sharing opportunities



Data disclosure

Meter and disclose energy consumption as follows:



Melerine

- 1. Submeler renewables for energy generation
- Submeler electric vehicle charging.
- Submeler healing fuel (e.g. heal pump consumption)
- 4. Continuously manifer with a smart meter
- Consider monitoring internal temperatures
- For multiple properties include a data logger alongside the smart meter to make data sharing possible.

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Disclosure

- Collect annual building energy consumption and generation
- Aggregate average operational reporting e.g. by post code for anonymity or upstream meters
- Collect water consumption meter readings.
- Upload five years of data to GLA and/or CarbonBuzz online platform
- Consider uploading to Low Energy Building Database.

