

Development Scenario 1: Residential

Single large dwelling in a semi-rural location on a generously sized plot with no immediate neighbours

Connected to gas grid

Building fabric no better than required by building regulations

Soil conditions have good thermal conductivity

Development Scenario 2: Residential

Medium sized single dwelling on a sub-urban plot

Aiming for near PassivHaus fabric standard

Heavily overshadowed by trees

Poor thermal conductivity of soil, shallow depth to bedrock

Development Scenario 3: Residential

Development of 10 closely spaced small-medium sized houses in a sub-urban setting

Aiming for Code for Sustainable Homes level 4

Likely to be attractive / marketed to slightly older people due to local community and amenities

Development Scenario 4: Commercial

Renovation of small urban commercial/retail property
Requires cooling load due to heavy display lighting loads (e.g. jewellers)
No external space
Developer-lead for leasing

Development Scenario 5: Residential

Block of 6 flats on constrained urban site
3 storey
Intended for rental market by developer
On top of a hill in a conservation area