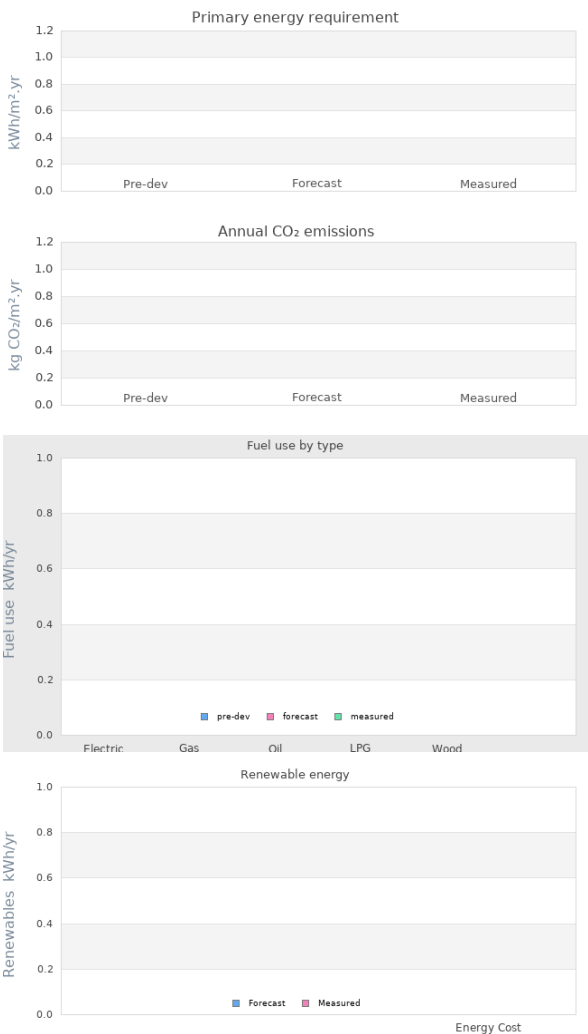


Project name Passmore Street

Project summary FINALIST of the UK Passivhaus Awards 2015 - 11/19 Passmore St are two-bed small historic terraced houses in the heart of Belgravia that are the first privately rented EnerPHit buildings in London. The houses were pilot projects completed by Grosvenor Britain & Ireland.



Project Description

Projected build start date	
Projected date of occupation	
Project stage	Occupied
Project location	London, London, England
Energy target	EnerPHit
Build type	Refurbishment
Building sector	Private Residential
Property type	Mid Terrace
Existing external wall construction	
Existing external wall additional information	
Existing party wall construction	

Floor area	67.1 m ²
Floor area calculation method	PHPP
Building certification	Passivhaus certified

Project team

Organisation	Sturgis Carbon Profiling
Project lead	Sturgis Carbon Profiling
Client	Grosvenor Britain & Ireland
Architect	Sturgis Carbon Profiling
Mechanical & electrical consultant(s)	
Energy consultant(s)	Sturgis Carbon Profiling
Structural engineer	
Quantity surveyor	
Other consultant	Certifier - Co-Create
Contractor	Grangewood

Design strategies

Planned occupancy
Space heating strategy
Water heating strategy
Fuel strategy
Renewable energy generation strategy
Passive solar strategy
Space cooling strategy
Daylighting strategy
Ventilation strategy
Airtightness strategy
Strategy for minimising thermal bridges
Modelling strategy
Insulation strategy
Other relevant retrofit strategies
Other information (constraints or opportunities influencing project design or outcomes)

Energy use

Fuel use by type (kWh/yr)

Fuel	previous	forecast	measured
Electric			
Gas			
Oil			
LPG			

Fuel	previous	forecast	measured
Wood			

Primary energy requirement & CO2 emissions

	previous	forecast	measured
Annual CO2 emissions (kg CO2/m ² .yr)	-	-	-
Primary energy requirement (kWh/m ² .yr)	-	-	-

Renewable energy (kWh/yr)

Renewables technology	forecast	measured
-		
-		
Energy consumed by generation		

Airtightness (m³/m².hr @ 50 Pascals)

	Date of test	Test result
Pre-development airtightness	-	-
Final airtightness	-	-

Annual space heat demand (kWh/m².yr)

	Pre-development	forecast	measured
Space heat demand	-	-	-

Whole house energy calculation method

Other energy calculation method

Predicted annual heating load

-

Other energy target(s)

Building services

Occupancy

Space heating

Hot water

Ventilation

Controls

Cooking

Lighting

Appliances

Renewables

Strategy for minimising thermal bridges

Building construction

Storeys

Volume

Thermal fabric area

Roof description

Roof U-value

Walls description

Walls U-value

Party walls description

Party walls U-value

Floor description

Floor U-value

Glazed doors description

Glazed doors U-value

Opaque doors description

Opaque doors U-value

Windows description

Windows U-value

Windows energy transmittance
(G-value)

Windows light transmittance

Rooflights description

Rooflights light transmittance

Rooflights U-value

Project images







