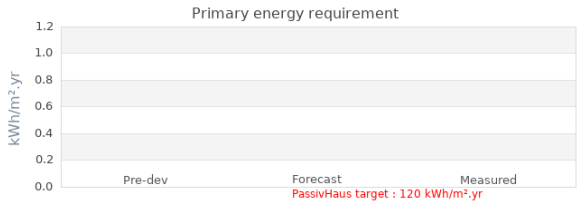
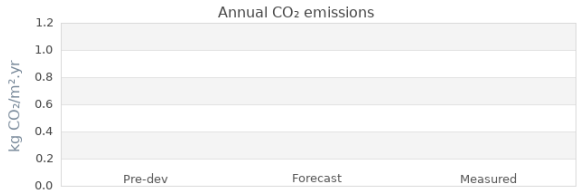
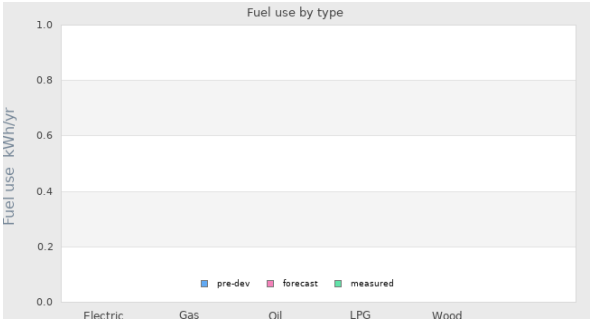
https://www.lowenergybuildings.org.uk/

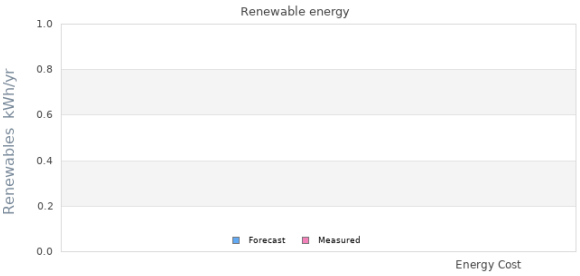
Project name Agar Grove (Block A)

Project summary Shortlisted for the 2018 Sunday Times Award: Development of the year, less than 100 homes. The redevelopment of Agar Grove in Camden is set to become the UKs largest residential Passivhaus development when complete, and in May 2018 it took a major step towards that end as the first block of 38 homes achieved Passivhaus certification.









Project Description

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

Floor area	1 m²
Floor area calculation method	PHPP
Building certification	Passivhaus certified

Project team

Organisation	
Project lead	
Client	Camden Council
Architect	HawkinsBrown
Mechanical & electrical consultant(s)	
Energy consultant(s)	
Structural engineer	
Quantity surveyor	
Other consultant	
Contractor	

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/m².yr)	-	-	-
Primary energy requirement (kWh/m².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)

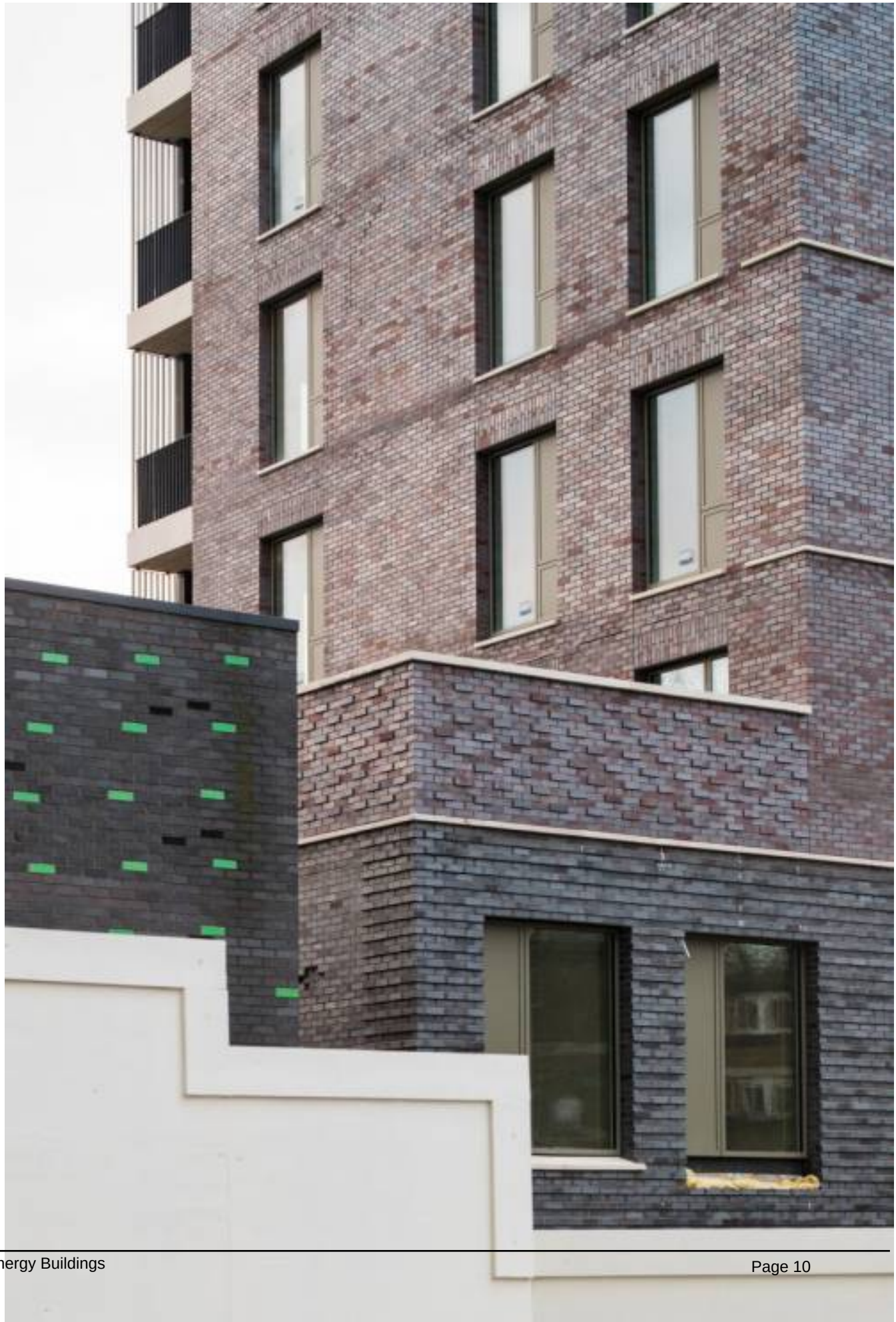
	Pre-development	forecast	measured
Space heat demand	-	-	-

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