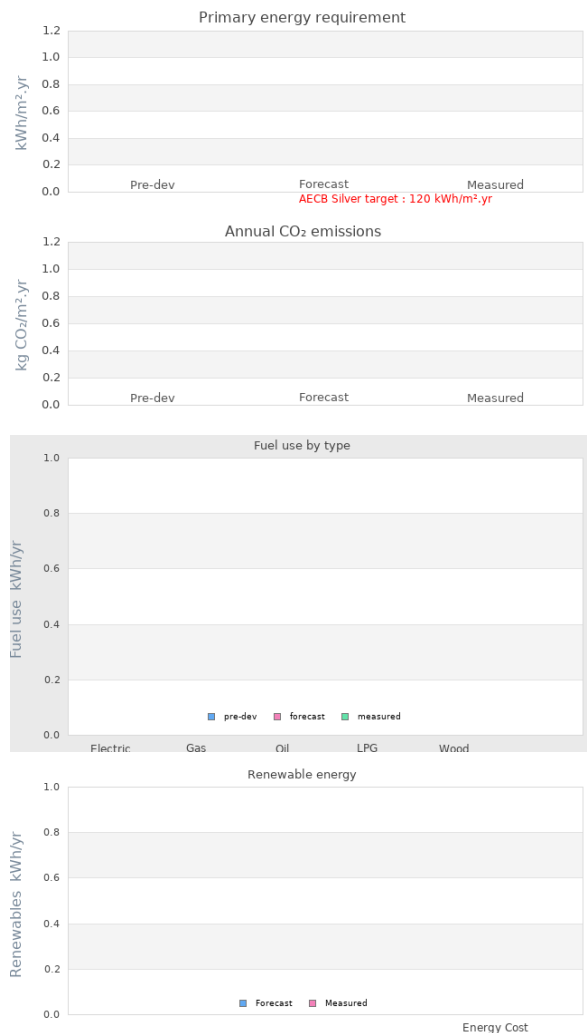


**Project name** 1 to 16 Pond Field Close, Little Hallingbury, Bishops Stortford, CM22 7FF

**Project summary** Affordable housing development of 16 houses



## Project Description

Projected build start date	05 Sep 2016
Projected date of occupation	25 Jan 2018
Project stage	Occupied
Project location	Little Hallingbury, Essex, England
Energy target	AECB Silver
Build type	New build
Building sector	Public Residential
Property type	Semi-Detached
Existing external wall construction	Softwood frame
Existing external wall additional information	Facing Brickwork - Timber Frame with PIR Insulation
Existing party wall construction	
Floor area	174.8 m²

## Project team

Organisation	Parsons + Whittlely
Project lead	
Client	Hastoe Housing Association
Architect	Parsons + Whittlely
Mechanical & electrical consultant(s)	Alan Clarke
Energy consultant(s)	Parsons + Whittlely
Structural engineer	Ken Rush Associates
Quantity surveyor	Ingleton Wood
Other consultant	
Contractor	DCH Construction Ltd

## Design strategies

Planned occupancy	
Space heating strategy	test
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
<b>Electric</b>			
<b>Gas</b>			
<b>Oil</b>			
<b>LPG</b>			
<b>Wood</b>			

### Primary energy requirement & CO2 emissions

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

### Renewable energy (kWh/yr)

Renewables technology	forecast	measured
-		
-		
<b>Energy consumed by generation</b>		

### Airtightness ( m<sup>3</sup>/m<sup>2</sup>.hr @ 50 Pascals )

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

### Annual space heat demand ( kWh/m<sup>2</sup>.yr )

	Pre-development	forecast	measured
<b>Space heat demand</b>	-	-	-

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

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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

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## Project images

























