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Home Survey





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This survey is designed to help us understand your property, so certified renewable energy installers can support you - without needing to visit your home. It's a simple, no-pressure way to explore your options on the Go Renewable platform.

The information you provide helps installers assess your needs and, if you choose to post a job on the marketplace, offer non-obligatory quotes. All installers are MCS certified, ensuring quality and compliance with industry standards.

Please note: completing this survey does not guarantee any specific outcome or recommendation. The assessors who carry it out are not installers and cannot provide advice on insulation, installation, or system suitability. Their role is simply to gather accurate information to help connect you with the right professionals.

This is your first step toward a greener home, done on your terms, at your pace.





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Angela Lonsdale 123 Witney Close, Oxford, OX1 1JJ



Date: 03/07/2025





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Energy performance report





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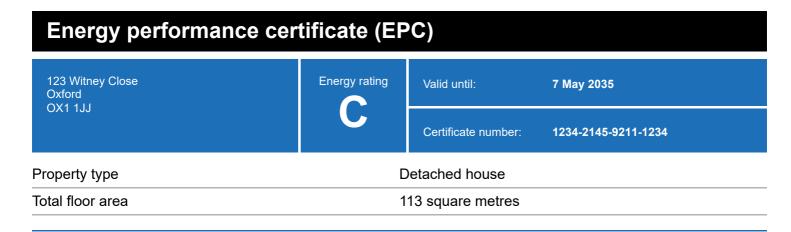
Guidance on the Energy Performance Report (EPR)

Your Energy Performance Report (EPR) includes an Energy Performance Certificate (EPC).

The EPC is an important document that is publicly accessible through the Government's 'Find an Energy Certificate' tool. It is a legal requirement when selling or renting out a property and remains valid for 10 years. If you do not plan to sell or rent your property, there is no obligation to renew it upon expiration. A new EPC will be required if you plan to sell or rent your property without a valid certificate.

The EPC provides an assessment of your property's energy performance, rating it on a scale from A to G, where A represents the most energy-efficient properties and G the least. The certificate details the energy efficiency of key features of your home, including its construction, heating system, hot water supply, and lighting. Additionally, the EPC outlines the impact of your property's energy performance on utility costs and environmental sustainability.

To help improve energy efficiency, the EPC includes recommendations tailored to your property. These recommendations specify estimated installation costs and potential annual savings, enabling you to evaluate the cost-effectiveness of each suggested improvement.



Rules on letting this property

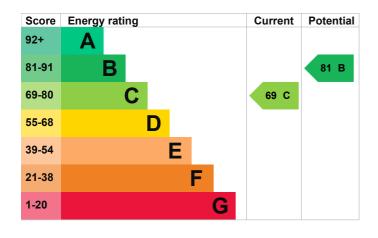
Properties can be let if they have an energy rating from A to E.

You can read guidance for landlords on the regulations and exemptions (https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance).

Energy rating and score

This property's energy rating is C. It has the potential to be B.

See how to improve this property's energy efficiency.



The graph shows this property's current and potential energy rating.

Properties get a rating from A (best) to G (worst) and a score. The better the rating and score, the lower your energy bills are likely to be.

For properties in England and Wales:

the average energy rating is D the average energy score is 60

Breakdown of property's energy performance

Features in this property

Features get a rating from very good to very poor, based on how energy efficient they are. Ratings are not based on how well features work or their condition.

Assumed ratings are based on the property's age and type. They are used for features the assessor could not inspect.

Feature Description		Rating	
Wall	Cavity wall, filled cavity	Good	
Wall	Cavity wall, as built, insulated (assumed)	Good	
Roof	Pitched, insulated (assumed)	Good	
Roof	Pitched, 100 mm loft insulation	Average	
Roof	Pitched, 270 mm loft insulation	Good	
Window	Fully double glazed	Good	
Main heating	Boiler and radiators, mains gas	Good	
Main heating control	Programmer, room thermostat and TRVs	Good	
Hot water	From main system	Good	
Lighting	Low energy lighting in all fixed outlets	Very good	
Floor	Solid, no insulation (assumed)	N/A	
Floor	To unheated space, limited insulation (assumed)	N/A	
Secondary heating	Room heaters, electric	N/A	

Primary energy use

The primary energy use for this property per year is 189 kilowatt hours per square metre (kWh/m2).

How this affects your energy bills

An average household would need to spend £1,277 per year on heating, hot water and lighting in this property. These costs usually make up the majority of your energy bills.

You could save £153 per year if you complete the suggested steps for improving this property's energy rating.

This is **based on average costs in 2025** when this EPC was created. People living at the property may use different amounts of energy for heating, hot water and lighting.

Heating this property

Estimated energy needed in this property is:

- 10,118 kWh per year for heating
- 2,733 kWh per year for hot water

Impact on the environment This property p

This property's environmental impact rating is D. It has the potential to be C.

Properties get a rating from A (best) to G (worst) on how much carbon dioxide (CO2) they produce each year.

This property produces 3.7 tonnes of CO2 This property's potential 2.2 tonnes of CO2 production

You could improve this property's CO2 emissions by making the suggested changes. This will help to protect the environment.

These ratings are based on assumptions about average occupancy and energy use. People living at the property may use different amounts of energy.

Carbon emissions

An average household produces

6 tonnes of CO2

Steps you could take to save energy

Step	Typical installation cost	Typical yearly saving
1. Floor insulation (solid floor)	£4,000 - £6,000	£92
2. Solar water heating	£4,000 - £6,000	£61
3. Solar photovoltaic panels	£3,500 - £5,500	£453

Advice on making energy saving improvements

Get detailed recommendations and cost estimates (www.gov.uk/improve-energy-efficiency)

Help paying for energy saving improvements

You may be eligible for help with the cost of improvements:

Heat pumps and biomass boilers: Boiler Upgrade Scheme (www.gov.uk/apply-boiler-upgrade-scheme)

Who to contact about this certificate

Contacting the assessor

If you're unhappy about your property's energy assessment or certificate, you can complain to the assessor who created it.

Assessor's name	Joe Bloggs
Telephone	01455 883259
Email	Consultancy@elmhurstenergy.co.uk

Contacting the accreditation scheme

If you're still unhappy after contacting the assessor, you should contact the assessor's accreditation scheme.

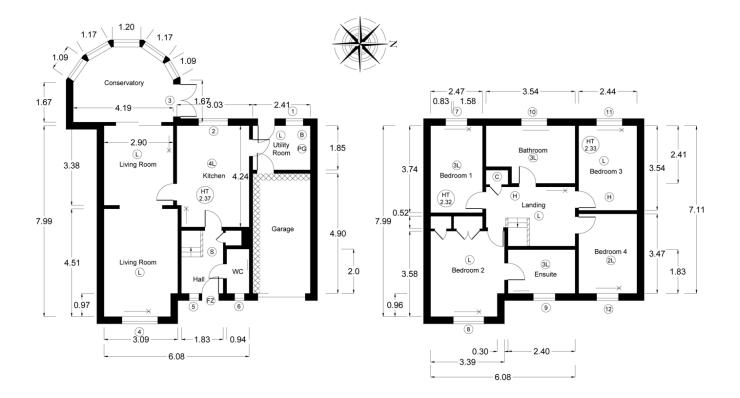
Accreditation scheme	Elmhurst Energy Systems Ltd
Assessor's ID	EES/12345
Telephone	01455 883 250
Email	enquiries@elmhurstenergy.co.uk
About this assessment Assessor's declaration	No related party
Date of assessment	6 May 2025
Date of certificate	8 May 2025
Type of assessment	RdSAP





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Property plans



Ground Floor First Floor

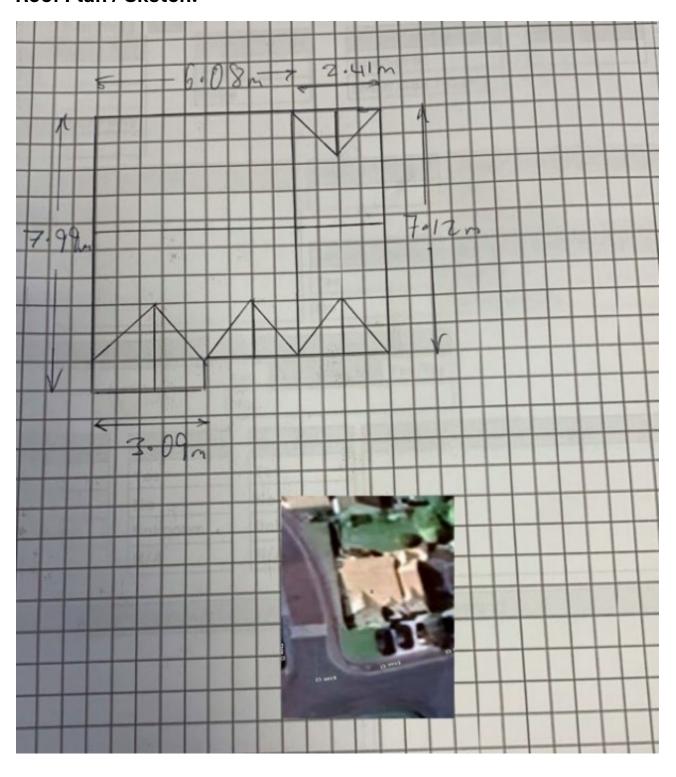
Key for EPC/EPR floor plans

Orientation (HT) Floor To Ceiling Height Party Wall (S) Standard Light Alternative Wall Low Energy Lights (L) Radiator + TRV (C) Hot Water Cylinder Radiator Hot Water Direct Acting (D) Storage Heater ESH Electric Shower Electric Panel Heater (BH) Bath ++++ Towel Rail Mixer Shower 2ndry Heating BMS Bath + Mixer Shower (B) Boiler BES Bath + Electric Shower Air Source Heat Pump

Additional Key for Retrofit plans

- (H) Loft Hatch
- (MV) Mechanical Vent
- NV Natural Vent
- (FZ) Consumer Unit
- (E) Electric Meter
- G Gas Meter
- ST) Stop Tap
- (HB) Hob

Roof Plan / Sketch:







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Renewable assessment







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Renewable Assessment Form

Property Details



Property Address	_		Surveyor Name	Joe Bloggs
	123 Witney (Close, Oxford	Surveyor ID	JB01-0001
Postcode	OX1 1JJ		Inspection Date	06/05/25

Property Type	Attachment	Age Band		Construction
House	Detached	A) Before 1900	G) 1983-1990	Solid Brick
Bungalow	Semi-Detached	B) 1900-1929	H) 1991-1995	Cavity
Flat	Mid-Terrace	C) 1930-1949	I) 1996-2002	Stone
Maisonette	End-Terrace	D) 1950-1966	J) 2003-2006	Cob
Park Home	Enc Mid-Terrace	E) 1967-1975	K) 2007-2012	System Build
	Enc End-Terrace	F) 1976-1982	L) 2012 on	Timber Frame

Regulatory Restrictions	Electric Phases
Listed Grade *	Single
Conservation Area	Three
AONB	
Other – Specify Below	Cut Out Rating
None	100A

Electric Meter Type
Traditional
Smart Gen 1 Gen 2

Water Pressure
Low
Acceptable
Good

MPAN Number
20 00009021732

Occupancy Assessment



Permanent Occupants	,
2	

Living Room Temp	
21°C	

Heating Pattern		
Winter		
AS REQUIRED		
PM		

Hot Water Pattern		
Summer	Winter	
AS REQUIRED	AS REQUIRED	
PM	PM	

Number of Baths	
1	

Number of Showers	
2	

Shower Types Number
Mixer
Electric

Ave Showers per week
7 per person

Electrical Appliances		
Oven	Double Oven	
Fridge	Fridge/Freezer	
Freezer	Dryer	
Washing Mac	Washer/Dryer	
Dishwasher	Other—Specify	
Cooker Hood	Microwave	

General Attire Description	
Typical	









Renewable Assessment Form

Radiator Schedule

Room Name/ Reference	Length	Height	Depth	Rad Type	Pipe Diameter
Kitchen	0.41	1.00	0.05	Pl	15mm
Dining Room	0.64	0.88	N	Pl	n
Living Room	1.6	0.4	0.1	P+	n
Hall	0.47	0.48	0.1	P+	n
w/c	0.6	0.6	0.05	Pl	n
Bed 1	0.65	0.6	0.05	Pl	n
Bed 2	0.96	0.5	0.1	K1	n
Ensuite	0.6	1.2	0.05	Pl	n
Bathroom	1.2	0.6	0.05	P+	n
Bed 3	0.7	0.6	0.1	P+	n
Bed 4	0.7	0.6	0.1	P+	n
Landing	0.8	0.9	0.05	P1	n

include lower kalls

29	D1
SINGLE PANEL RADIATOR	I I
SINGLE PANEL CONVECTOR RADIATOR	K 1
SINGLE PANEL CONVECTOR RADIATOR	
SARAAAAAAAAAAAAA	P+
DOUBLE PANEL CONVECTOR RADIATOR	-
\$KXXXXXXXXXXXXXXXXXXXX	K2
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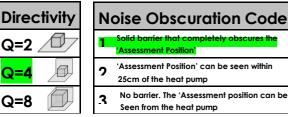
Renewable Assessment Form

Air Source Heat Pump

Assessment Position

- 1- Back Garden
- 2- Side Garden

Ground Type
Solid
Gravel
Earth
Other—Specify
Paving



Barrier Type Tvne 1 Solid brick or solid fence min 18mm thick extending 1m from heat pump

Type 2 Solid fence less than 18mm thick extending 1m from heat pump

Fences with cracks, gaps No Barrier and open spaces

Outdoor Unit Restrictions

None

Drain Point

To garden (both positions)

Planning Restrictions

Boundary Distance

1- 6m

2- 1.5m

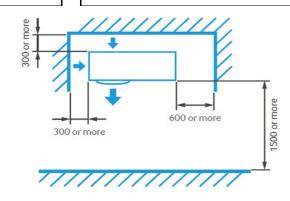
Airflow Clearance

Left

Right

Rear

Front



HWC Location

- 1) Airing Cupboard
- 2) Main House Loft
- 3) Extension Loft

Cylinder Restrictions

Access Restrictions

To all locations

Cold Feed Size

15mm

Nearest Electric Supply

Ground Floor

Ring main

Hot Water Connection

Existing HW pipe run

2+3 – to airing cupboard

PRV Discharge Route

- 1) To outside (via bathroom)
- 2) To outside via loft









Renewable Assessment Form

Ground Source Heat Pump



Accessible	Collector Type	Ground Type	Access Route & Restrictions
Yes	Horizontal	Solid	
No	Vertical	Gravel	None
If no specify why	Borehole	Earth	
		Other—Specify	

Area of installation	Collector Route	Collector distance from boundary
		4m
Pack garden	Below unit	
Back garden	Detow unit	Collector distance from buildings
		1m

Indoor Unit Position	Planning Restrictions	Drain Point
1) Airing cupboard	None	To drain
		Cold Feed Size

		Cold Feed Size
		15mm
HWC Location	Cylinder Restrictions	Nearest Electric Supply
1- Airing Cupboard 2- Main house loft 3- Extension loft	Access restrictions to all locations.	Ground floor ring main.

2- Main house loft 3- Extension loft	locations.	
Hot Water Connection	PRV Discharge Route	Other Considerations
Existing HW pipe run. 2+3 – to airing cupboard.	To outside (via bathroom), 2+3 to outside via loft.	None







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Roof Orientation

Renewable Assessment Form

PV/Solar 🔯

Suitable Roof
Yes
No
If no specify why

Roof Pitch(es)		
20° 25° <mark>30°</mark>		
35° 40° <mark>45°</mark>		
Other—		

Roof Condition
Good
Average
Poor
Notes-

Shading
Very Little <20%
Average 20% - 50%
More Than Ave 60% to 80%
Heavy >80%

Roof Obstacles	
Chimney(s)	
Roof Windows/Sky	/lights
Boiler Flues	
Dormer Windows	
Antennas & Satell	ite Dishes
Ventilation Pipes	
Other— None	

East - West		
External Access Considerations		
None		

			<i>,</i> 1
R	after Ro	of	
Р	urlin Ro	of	
С	ollar Be	eam	Roof
Tr	uss Roc	of	
U	nknow	n	

Pitched Roof Type

Loft Hatch Size
Main – 0.66 x 0.56
Extension – 0.57 x 0.57

Inver	ter Location
1)	Garage
2)	Main Loft
3)	Extension Loft

Roof Timber Dimensions
Rafter – 75 x 35mm
Rafter Gap – 0.57m
Joists - NO ACCESS
Joist Gap - NO ACCESS
Truss - NO ACCESS
Other -

Roof Structural Integrity
Evidence of Dry Rot
Evidence of Wet Rot
Evidence of Woodworm
Evidence of Water Ingress
Sagging of Timbers
Other— Roof is in good
condition.

HWC Location

- 4) Airing Cupboard
- 5) Main Loft
- 6) Extension Loft

Cylinder Restrictions

Access restriction to all locations.

Nearest Electrical Supply

First floor ring main.

Hot Water Connection

Existing Pipe Run, 2+3 Airing Cupboard.

PRV Discharge Route

Outside (via bathroom), 2 +3 via to outside.

Planning Restrictions

None.

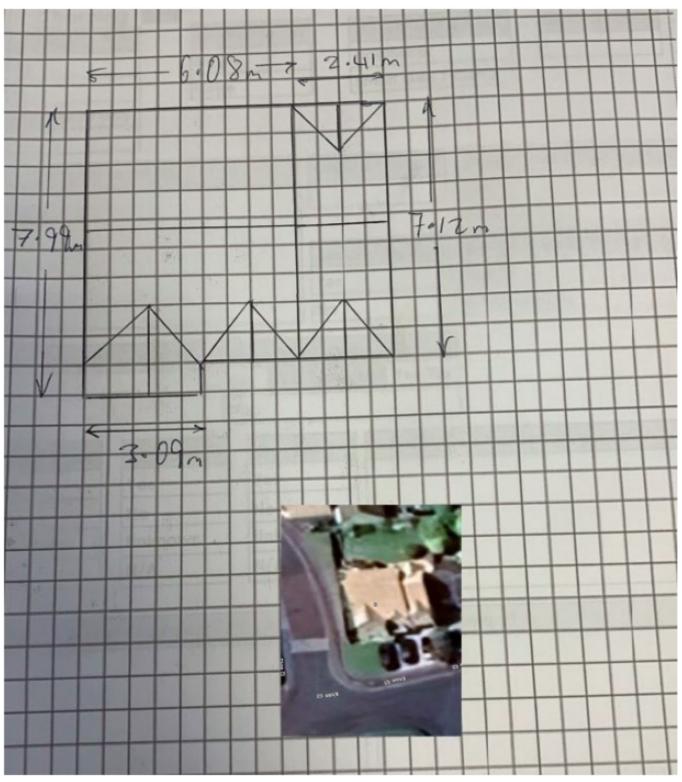




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Renewable Assessment Form

Roof Sketch









Renewable Assessment Form

EV Charging	©
Suitability	Ī

Yes No

If no specify why

Electric Phases Single **Three**

Electric Meter Type **Traditional**

Smart Gen 1 Gen 2

MPAN Number 20 00009021732

Power Supply Location

Electricity cabinet to left of front door (beside drive)

Cut Out Rating

100A

Homeowner Meter Tail Size

25mm

Other Specify

Looped Service

Yes – NOT KNOWN

No – NOT KNOWN

Supplier Meter Tail Size

25mm

Other Specify

Consumer Unit Capacity

Consumer Unit Spare Ways RCD Protected Yes/No Yes

No

Water Bond

Yes

No

Unknown

N/A

Oil Bond

Yes

No

Unknown

N/A

Gas Bond

Yes

No

Unknown

N/A

Potential Location of Charger

Front drive

Distance & Route To Power Supply

2-3m across drive

Parking Demand

1-2 cars

WI-FI Strength at Charger Location

Good

Weak

None

Access Considerations

None







Renewable Assessment Form

Battery Storage

PV Suitability
Yes
No

Battery Location	
External Location	
Alley to right of house	

Internal Location Non Habitable Room

Garage & Lofts

Lofts - Joists not accessible,

to measure may need strengthening.

Electrical Appliances		Distance To Consumer Unit	Distance to WiFi Router	
Oven	Double Oven	1) Alley 3-4m	Unknown	
Fridge	Fridge/Freezer	2) Garage 2-3m 3) Main loft 4m		
Freezer	Dryer	4) Extension loft 4m		
Washing Mac	Washer/Dryer			
Dishwasher	Other—Specify			
Cooker Hood	Microwave			

Bi

3ioma	IS	S	(<u></u>	
	_		_		

Biomass Suitability

No

Yes

If no specify why-

Suitable Building/Plant Room Location

- 1. Garage
- 2. Alley Beside House (right)

Existing System Integration

Minimal distance to existing

Fuel Delivery Access

No restrictions

Fuel Storage Area

Back garden/garden

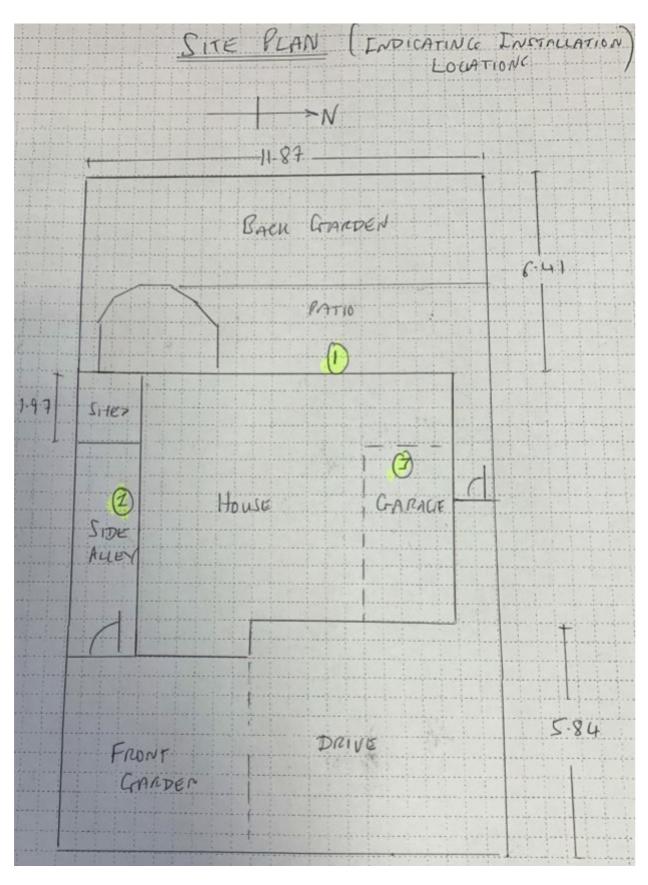
Other Considerations

None





Renewable Assessment Form







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Heat loss calculations





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Guidance on the Heat Loss Calculation (HLC)

The Heat Loss Calculator is a system for calculating the design heat load of buildings in accordance with BS EN 12831-1:2017.

It gives an indicative heat loss value for the entire house as well as individual rooms. These can be used to calculate the peak heat demand for sizing the heating system and determining emitter sizing within each room.

To achieve this, heat loss calculations must be applied on a room by room basis, taking into account a number of factors in order to get a more accurate picture, including:

- · Building fabric
- · Room dimensions
- · Air change rates
- · Desired internal temperatures
- · Lowest external temperature during winter

Systems specified in this way will be more energy efficient, cost less to run and ensure end-users are comfortable in every room.

Your HLC is presented as an output document containing key data required by renewable energy installers to provide accurate quotes for systems such as heat pumps.

Space Heating Load

This section provides your peak space heating load (kWp). This is essential for determining the appropriate heat pump size for your home. Your heat pump designer will use this in conjunction with your hot water requirement to size a heat pump to meet heating and hot water demand.

Space Heating Load by Room

This section breaks down the heating requirements for each room. It helps identify which rooms need the most heating to maintain comfortable temperature and used in conjunction with your radiator schedule will determine if radiator upgrades are required.

Heat Loss Calculation

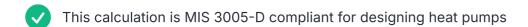
Dwelling Information

Reference: 123 Witney Close

Location: Oxford, OX1 1JJ

Total Floor Area: 101.1

Dimension Specification: Net Internal



The Heat Loss Calculator is designed as a helpful tool for estimating the heat load of domestic properties. However, no warranty or guarantee can be given as to the accuracy of any figures provided. We strongly recommend a property survey before finalising system design, suitability or any contractual relationships with a consumer.

Space Heating Load (Whole-House)

Peak Heat Load

5.8 kWp

The heating system size required to meet the space heating load based on the design conditions below.

Heat Load By Floor Area

54.5 W/m²

The space heating load normalised by floor area which can be used to compare different dwellings.

Annual Heating Energy Estimate

13,994 kWh/yr

The actual energy usage will depend on the efficiency of the heating system, i.e. heat pump SCoP or boiler efficiency.

Design Conditions

Average Internal Room Temperature

19.1 ∘c

The average room internal design temperature within the dwelling.

Mean Annual External Air Temperature

9.8 °c

The mean external air temperature over the entire year.

Design External Air Temperature

-4.6 ℃

The design external air temperature based on CIBSE Column B (99.6% of hours).

Heating Degree Days

2,425

The annual degree days for the postcode based on a 15.5°C base temperature.

Calculation Details

Fabric Heat Loss

3,925 w

Ventilation Heat Loss

+ 1,860 w

Heating Up Power

+ 0 w

Heat Gains

- 0 w

Space Heating Load

= 5,785 w

Space Heating Load By Room

Radiators (or other heat emitters) need to be appropriately sized to handle the peak heat load in each room. For wet systems, the heat output should correspond to the given figures at the intended flow temperature for optimum efficiency.

Room Name	Floor Area (m²)	Design Temp (°C)	Peak Heat Load (W)	By Floor Area (W/m²)	Annual Energy (kWh/yr)	
Kitchen	12.5	18.0	601	48.0	1,308	8%
Dining room	9.8	21.0	956	97.6	1,627	12%
Living room	15.0	21.0	1,039	69.2	1,696	14%
Utility room	4.5	18.0	624	139.9	1,315	8%
Hall	5.9	18.0	360	61.0	852	5%
Cloakroom/WC	1.9	18.0	202	107.4	441	3%
Bedroom 1	9.2	18.0	367	39.7	1,008	5%
Bedroom with en-suite 1	17.6	21.0	1,399	79.4	2,060	18%
Bedroom 2	8.6	18.0	513	59.4	1,102	7%
Bedroom 3	8.5	18.0	601	71.0	1,245	8%
Bathroom	8.5	22.0	954	111.8	1,071	12%
Landing	4.0	18.0	43	10.6	271	1%

Fabric Heat Loss By Adjacent Space

Adjacent Space	Adjacent Temp	Fabric Heat Loss	
	(°C)	(W)	
Exterior Air Heat transfer through walls, roofs and suspended floors.	-4.6	2,979	76%
Ground Heat transfer through solid floors in direct contact with the ground.	9.8	421	11%
Heated Space The imbalance in internal heat transfer between rooms or other heated spaces.	-	13	0%
Neighbouring Building Heat transfer through party walls, floors and ceilings.	10.0	0	0%
Unheated Space / Loft Heat transfer to lofts or other unheated spaces (e.g. garages).	-4.6 †	526	13%

[†] The effective temperature difference varies based on the external surfaces within the unheated space.

Ventilation Heat Loss By Zone

Zone Name	Air Permeability @ 50Pa ++ (m³/m².h)	Ventilation Heat Loss	
Zone 1	8.57	1,860	100%

⁺⁺ The air permeability may differ to the measured air permeability that was entered due to different dimension specifications.





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Next steps





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Next steps

- Your Go Renewable survey is ready and is yours to keep. You can download your survey results in your Go Renewable hub.
- Select the technologies you're interested in installing and post your job requirements to the marketplace.
- This will match you with MCS certified installers who will quote for the work.
- You can speak with installers using the messaging feature once they've submitted a quote.
- After you've reviewed all your quotes and are ready to install, you can accept your preferred quote. The installer will then be in touch to discuss a date for installation.

We have lots of <u>resources to help with your installation</u>. This includes information on <u>grants and incentives</u> for renewable technologies that may be available to you.

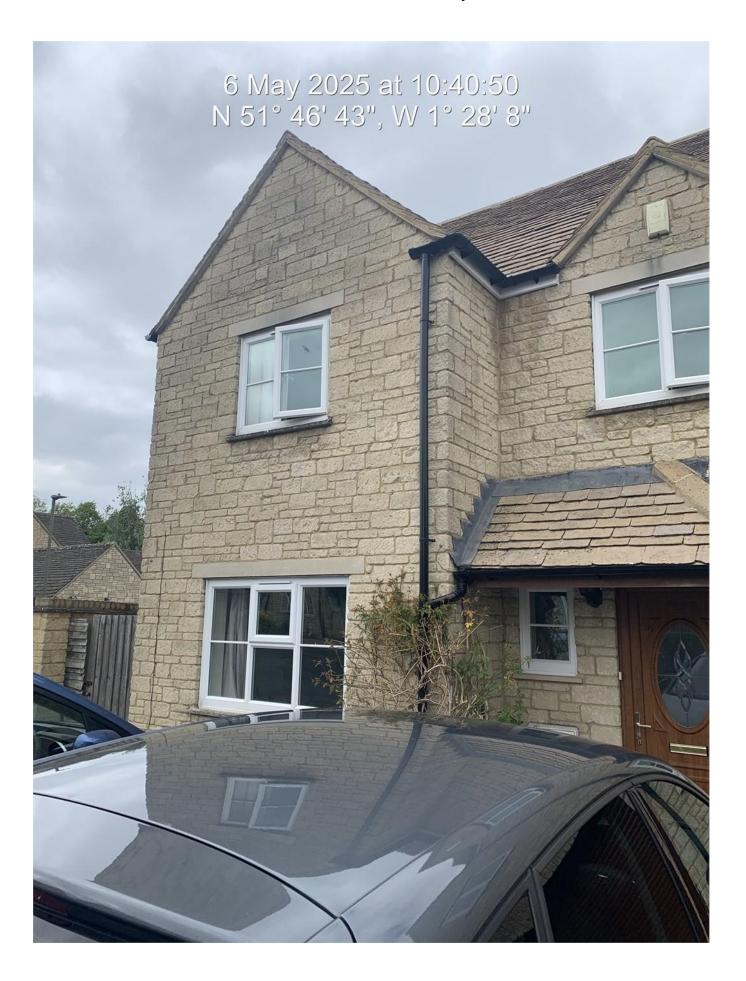
If you need any more information or support, get in touch with us at gorenewable@mcscertified.com.





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Supporting documents







Last Update Date: 06/05/2025

Report Type:

Elevation









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Report Type:

Elevation



















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Report Type:

Elevation









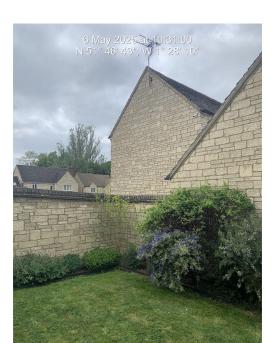












Elevation



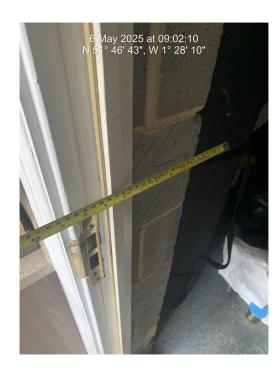




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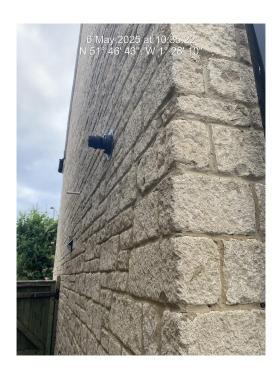




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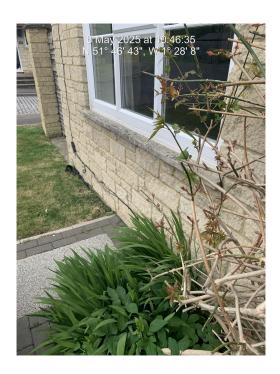




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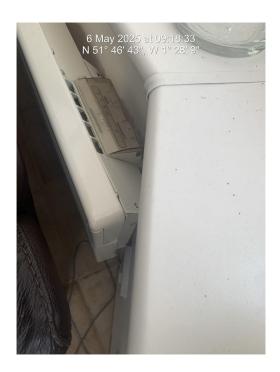




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Report Type:

Other photos



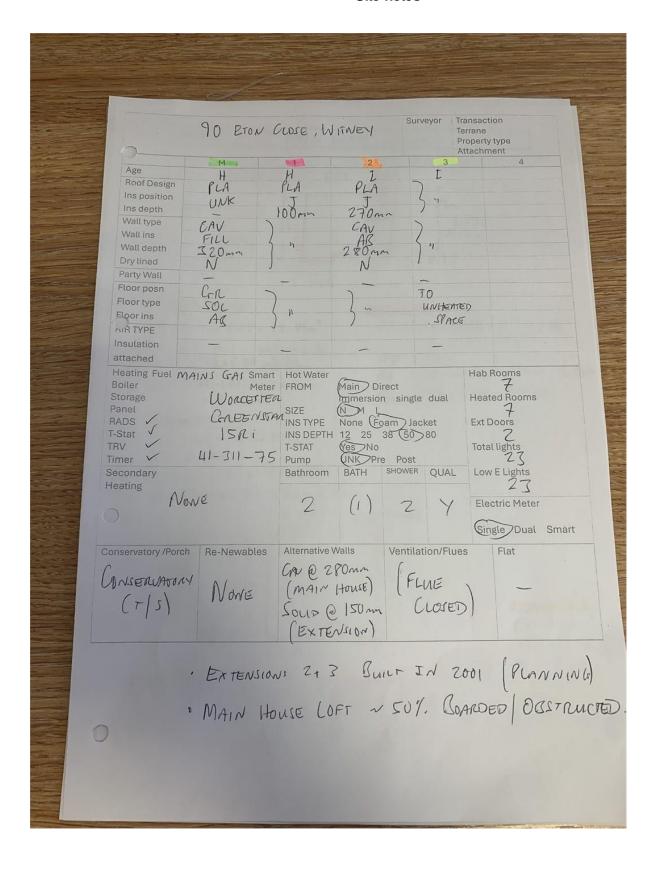




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Report Type:

Site notes



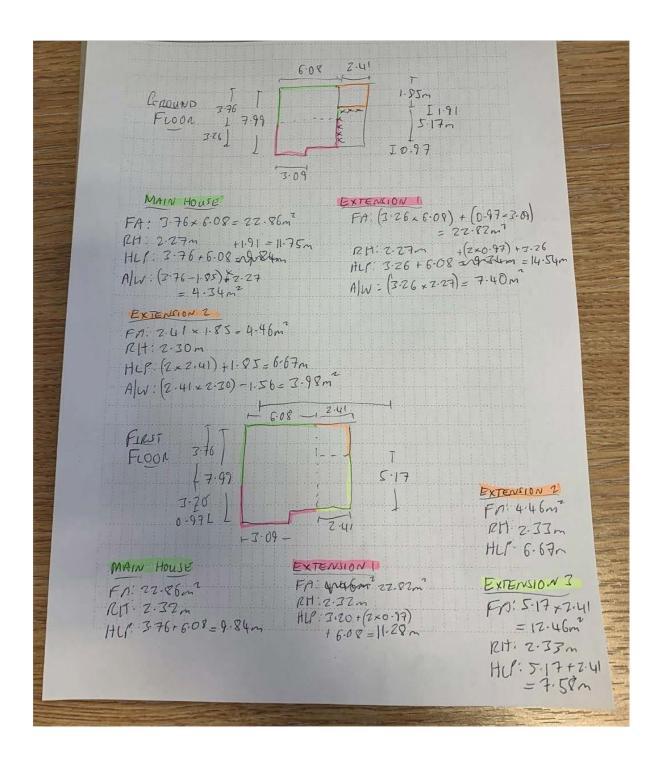




Last Update Date: 06/05/2025

Report Type:

Floor plan



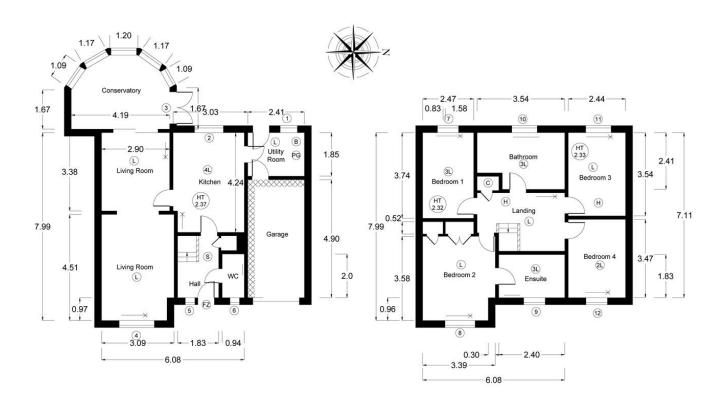




Last Update Date: 06/05/2025

Report Type:

Floor plan



Ground Floor First Floor