

# Energy Performance Data Review Report

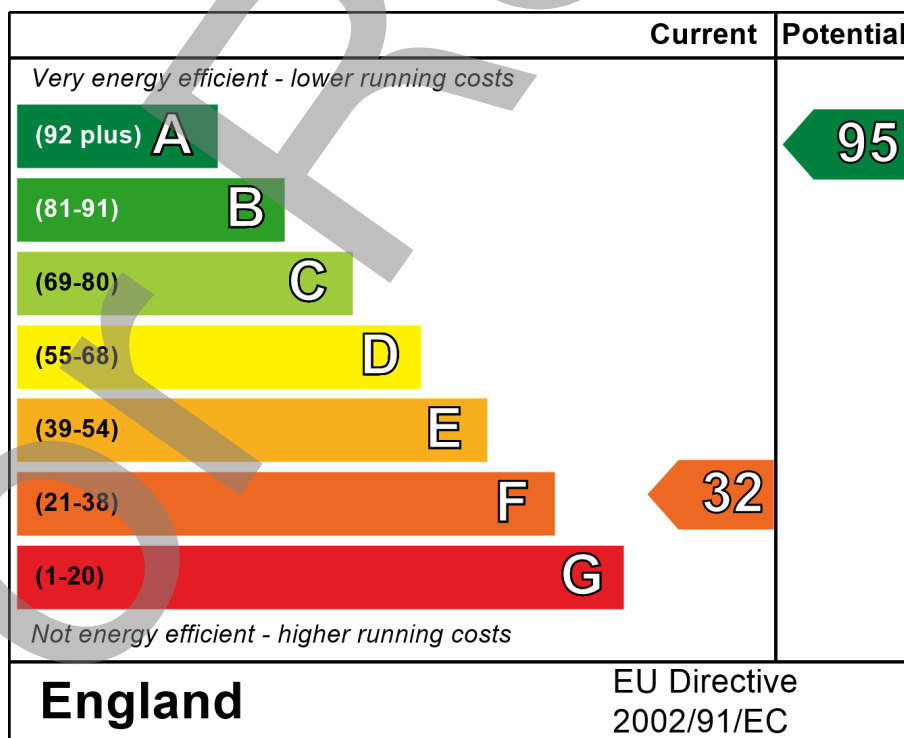


The Beeches, Lower Road, Croydon, ROYSTON, SG8 0HE

<b>Dwelling type:</b>	Detached	<b>Type of assessment:</b>	RDSAP existing dwelling
<b>Date of assessment:</b>	07 June 2023	<b>Total floor area:</b>	102m <sup>2</sup>
<b>Date of certificate:</b>	07 June 2023		

This document is produced by Stroma Certification for the purpose of reviewing and validating input data prior to lodgement of an EPC

## Energy Rating



## Key Performance and potential performance metrics

	Current	Potential	Improvement
Energy Efficiency Rating	F32	A95	63
Environmental Impact	12 tonnes of CO2	3.1 tonnes of CO2	8.9 tonnes of CO2
Annual Energy Costs	£2,842.00	£1,355.00	£1,487.00
Primary Energy Usage	698 kWh per m <sup>2</sup>		

## Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Wall	Cavity wall, as built, no insulation (assumed)	★★☆☆☆
Roof	Pitched, 150 mm loft insulation	★★★★☆
Floor	Solid, no insulation (assumed)	-
Window	Fully double glazed	★★★★☆
Main Heating	Electric storage heaters	★★★★☆
Main Heating Controls	Manual charge control	★★☆☆☆
Hot Water	Electric immersion, off-peak	★★★★☆
Lighting	Low energy lighting in all fixed outlets	★★★★★
Secondary Heating	Portable electric heaters (assumed)	-

## Low and zero carbon energy sources

## Your home's heat demand

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	20,667	-442	-5,913	N/A
Water heating (kWh per year)	2,099			

## Recommendations

Recommended measures	Typical savings per year
Loft insulation	£53.00
Cavity wall insulation	£712.00
Floor insulation (solid ground floor)	£201.00
New or replacement storage heaters	£410.00
Solar water heating	£110.00
Photovoltaics	£394.00

Wind turbine	£778.00
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### Alternative Measures

Recommended measures	Typical savings per year
External insulation with cavity wall insulation	£367.00
Biomass boiler	£898.00
Air source heat pump with radiators	£767.00