

Current EPC Rating: D 65

Potential EPC Rating: B 83

Dear Homeowner,

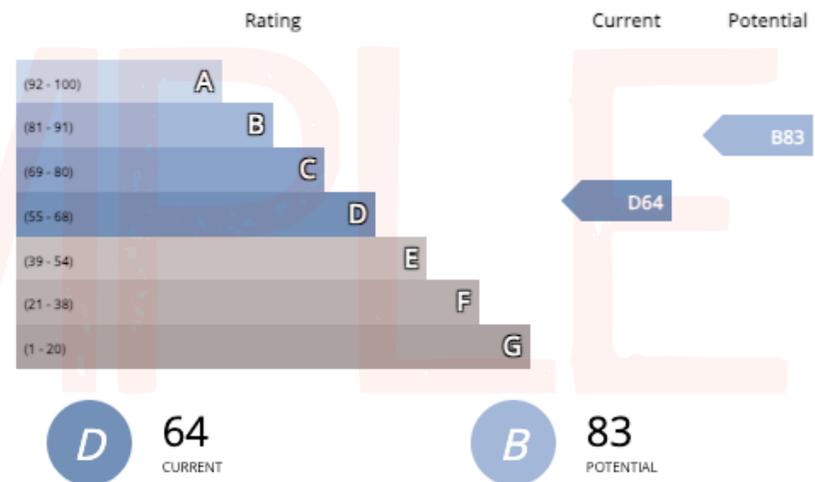
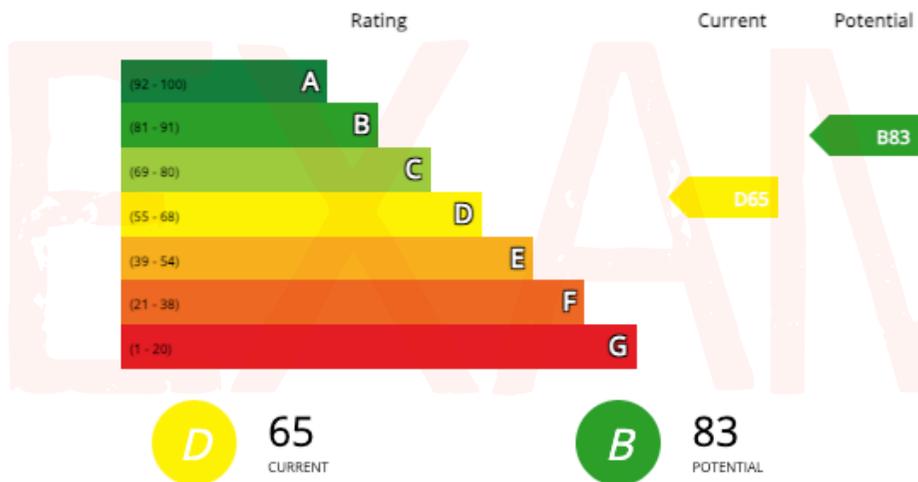
Reed Environment thanks you for choosing to take part in a Retrofit Assessment via the Suffolk Council Voucher Scheme.

Retrofit Coordination performs Retrofit Assessments for Reed Environment, collaborating to assist homeowners in enhancing their home efficiency and reducing utility expenses.

This report includes data from the detailed assessment of your home. It summarises key findings and offers clear, straightforward advice on next steps.

Energy Efficiency Rating

Environmental (CO²) Impact Rating



Please feel free to call us at **0330 1344 544**.

Primary Recommendations:

Your survey identified the following recommendations that will have the highest impact for the least financial outlay:

- Loft Insulation (Joists)
- Solar Photovoltaics
- Time and Temperature Zone controls with Smart Thermostat
- Thermostatic Radiator Valves (TRV)

Improvement Package Evaluation

This is the Improvement Package that has been confirmed by PR Consultation Ltd and agreed with PR Consultation Ltd T/A UBS Solar following discussion with the customer. These figures have been calculated based on the assumption that all improvement measures within the package have been installed.

Measure	Installation cost ¹	Annual fuel saving ⁴	Repayment period ²	Carbon cost effectiveness ³	Potential energy rating	Lifetime	Space heating demand	Space heating demand saving	CO2	CO2 saving
Loft Insulation (Joists), Time and Temperature Zone Control (TTZC), Thermostatic Radiator Valve (TRV), Smart Thermostat, Solar Photovoltaics	£8750.00	£331.59	26.39 years	£55.79 / tCO ₂	86	20.60	95.27	20.30	1.67	664.42

During the assessment, we may have discussed potential funding opportunities. We will contact you shortly to discuss qualifying criteria and, if you are eligible for financial assistance, guide you through the next steps.

Detailed full energy impact data can be found in the improvement option evaluation document.

Please feel free to call us at **0330 1344 544**.

Funding & Additional Costs Information

Because every home and family environment are unique, Reed Environment with Retrofit Coordination feel that pre answering any questions that commonly arise is critical, especially in the early stages of the retrofit process. For example.

Am I eligible for funding/grant support and what would that entail?

We have access to a multitude of government and local authority grants which include, ECO4, GBIS and ECO Flex. Dependent upon household income, benefit support and council tax bracket, financial support can partly or entirely cover the cost of all the project. In the event of a financial short fall, easy payment plans are also available starting with interest free offerings supported by Suffolk council.

Is a grant application complicated?

No. If you qualify for support, we do it all for you and take care of all the paperwork.

Is having retrofit carbon saving measures installed invasive and disruptive to my home life and how long does it take?

This depends on what is being installed. Here is a selection of measures, and average installation time but please remember all homes are different and times may vary due to size, complexity and external influences like the weather.

- Loft insulation - Half a day
- Solar Panels - 1 day with scaffolding up for usually 5 days
- Heating Controls - Half a day
- Flat roof insulation - 2 Days with potentially scaffolding.
- Room in the Roof insulation – 2 Days and materials and work men in the home
- Internal Wall Insulation – 3 Days and materials and work men in the home
- External Wall Insulation – up to 2 Weeks with scaffolding for 2-3 weeks.
- Cavity Wall Insulation – 1 Day
- Under Floor insulation – 2-3 Days
- Storage Heaters – 1 Day
- Air Source Heat Pump – 3 Days
- Ventilation – Half a day.

Please feel free to call us at **0330 1344 544**.

Your Next Steps:

You should have already discussed any recommended improvement actions and potential available funding that may be available to you with your assessor. However, please review your report carefully as it includes additional detail.

Reed Environment will contact you in the next few days to discuss your report and answer any immediate questions. You will be given the opportunity to submit feedback on the service provided by both Reed Environment and Retrofit Coordination so far.

If not already in progress and you wish to start improving your homes energy efficiency, Retrofit Coordination trained advisors can help with the booking of improvement measures and can start the process to accessing funding, if applicable. They also offer advice, guidance and further information regarding next steps. They will contact you shortly. Alternatively, you can contact them directly:

Retrofit Coordination

Tel: 0330 1344 544.

Email: info@retrofit-coordination.co.uk

Monday to Friday 08.30 – 17.30Hrs

Please feel free to call us at **0330 1344 544**.

Additional Recommendations:

- Air Source Heat Pump (Upgrade)
- New or replacement windows
- Suspended Floor insulation

Additional recommendations are supplementary measures aimed at enhancing energy efficiency and achieving energy savings, which will complement and support the primary actions outlined at the beginning of this report. These secondary actions are a crucial component in the long-term reduction of emissions and utility expenses.

Medium Term Improvement Plan Stages

This is the recommended sequence of installation for a series of stages, each containing one or more Measures, that are being installed as part of this project to improve the energy efficiency of the property or to assist in achieving carbon reduction targets. This has been modelled by PR Consultation Ltd to produce an appropriate order of installation based on the interaction between the various Measures that are due to be installed.

Measure(s)	Installation Order ¹	Annual Fuel Saving ²	Potential energy rating
Loft Insulation (Joists), Solar Photovoltaics	1	£278.45	84
New or Replacement Windows, Time and Temperature Zone Control (TTZC), Thermostatic Radiator Valve (TRV), Smart Thermostat, Floor Insulation (Suspended), Air Source Heat Pump (Upgrade)	2	£525.11	98

The table below demonstrates the overall effect of implementing both the primary and additional improvements.

The table below has been modelled by Retrofit Coordination on behalf of Reed Environment and Suffolk County Council based on the assessment and interaction with the homeowner at the property.

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Improvement Option Evaluation

The Improvement Option Evaluation indicates each improvement that could be installed based on the review of the property conducted by PR Consultation Ltd. These figures have been calculated based on the assumption that the improvement measure has been installed on its own.

Measure	Installation cost ¹	Annual fuel saving ⁴	Repayment period ²	Carbon cost effectiveness ³	Potential energy rating	Lifetime	Potential energy rating improvement	Space heating demand	Space heating demand saving	CO2	CO2 saving
Loft Insulation (Joists)	£1000.00	£23.99	41.68 years	£-0.08 / tCO ₂	66	42.00	1	109.32	6.25	2.24	95.92
New or Replacement Windows	£8890.00	£29.14	305.08 years	£186.26 / tCO ₂	66	20.00	1	108.70	6.87	2.23	107.74
Time and Temperature Zone Control (TTZC)	£500.00	£58.27	8.58 years	£-7.87 / tCO ₂	68	12.00	3	100.39	15.18	2.11	232.96
Thermostatic Radiator Valve (TRV)	£150.00	£58.27	2.57 years	£-21.69 / tCO ₂	68	12.00	3	100.39	15.18	2.11	232.96
Smart Thermostat	£100.00	£58.27	1.72 years	£-23.67 / tCO ₂	68	12.00	3	100.39	15.18	2.11	232.96
Floor Insulation (Suspended)	£4453.00	£57.34	77.66 years	£113.52 / tCO ₂	68	15.00	3	100.63	14.94	2.11	229.23
Decentralized Mechanical Extract Ventilation	£368.00	£0.00	25.00 years	£10.48 / tCO ₂	65	15.00	0	115.57	0.00	2.34	0.00
New or Replacement External Doors	£1749.00	£15.81	110.63 years	£44.21 / tCO ₂	66	15.00	1	111.45	4.12	2.28	63.23
Solar Photovoltaics	£7000.00	£254.81	27.47 years	£12.66 / tCO ₂	83	25.00	18	115.57	0.00	1.99	352.92
Air Source Heat Pump (Upgrade)	£8000.00	£195.54	40.91 years	£785.57 / tCO ₂	78	15.00	13	104.35	11.21	0.43	1911.65

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Reed Company Confidential

Ventilation Upgrades:

Many properties in the UK suffer from damp, mould, and condensation issues. When new fabric measures, such as loft or cavity wall insulation, or air-tightness measures, such as draught proofing or new glazing, are installed, a building becomes more airtight which can increase the likelihood of condensation and mould, particularly if there isn't a working ventilation system. Extract fans in bathrooms and the kitchen plus trickle vents at the top of windows ensures excess steam or moisture has a safe passage to the outside. Undercuts beneath internal doors enable air to move around the home, minimizing poor internal air quality in rooms and reducing any risk of condensation and mould. An excess of moisture, condensation, and mould in the home can have a negative effect on human health, as well as cause damage to the fabric of the property. To learn more about how homeowners can avoid moisture problems in their home we recommend watching this YouTube video:

<https://www.youtube.com/watch?v=aBWIXLMnqBk>.

Further to your detailed home survey, the recommended upgrades for your home are as follows:

- Mechanical extraction ventilation in wet rooms – Upgrade Required
- Trickle ventilation in windows – Upgrade Required
- Undercuts beneath
- doorways – Upgrade Required

General Advice

Other simple steps you can take as illustrated on the Energy Saving Trust website - <http://www.energysavingtrust.org.uk/> - that may also reduce emissions and energy costs include:

- Switching off appliances from standby (potential £35 saving p.a.).
- Turning down thermostats by 1 degree (potentially £60 saving p.a.).
- Fitting a water efficient shower head (potentially £38 saving p.a.).
- Replacing all light bulbs with LEDs (potentially £40 p.a.).
- Reduce the washing machine temperature to 30 degrees (potential £34 savings p.a.).

Smart Meters:

To help you understand your energy usage and spend you may wish to consider installing a smart meter. Your electric supplier can provide a smart meter for you free of charge. More information can be found at www.smartenergygb.org along with links to most energy suppliers.

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