

## Energy performance certificate (EPC) recommendation report

31 Lichfield Street  
BURTON UPON TRENT  
DE14 3RH

Report number  
**2666-5947-1361-2044-9276**

Valid until  
**29 September 2032**

### Energy rating and EPC

This property's energy rating is D.

For more information on the property's energy performance, see the EPC for this property.

## Recommendations

### Changes that may pay for themselves within 3 years

Recommendation	Potential impact on carbon emissions
Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.	Low
Add time control to heating system.	Medium
Add optimum start/stop to the heating system.	Medium
The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.	Low
Consider replacing T8 lamps with retrofit T5 conversion kit.	Medium
Some walls have uninsulated cavities - introduce cavity wall insulation.	Medium
Some windows have high U-values - consider installing secondary glazing.	Medium
Add local temperature control to the heating system.	Medium
Add weather compensation controls to heating system.	Medium
Add local time control to heating system.	Medium
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	Low

### Changes that may pay for themselves within 3 to 7 years

Recommendation	Potential impact on carbon emissions
Some solid walls are poorly insulated - introduce or improve internal wall insulation.	Medium
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	Medium
Some glazing is poorly insulated. Replace/improve glazing and/or frames.	Medium
Consider installing an air source heat pump.	High

### Changes that may pay for themselves in over 7 years

Recommendation	Potential impact on carbon emissions
Some floors are poorly insulated - introduce and/or improve insulation. Add insulation to the exposed surfaces of floors adjacent to underground, unheated spaces or exterior.	Medium
Roof is poorly insulated. Install or improve insulation of roof.	Medium

Recommendation	Potential impact on carbon emissions
Consider installing building mounted wind turbine(s).	Low
Consider installing solar water heating.	Low
Install more efficient water heater.	Low

## Property and report details

Report issued on	30 September 2022
Total useful floor area	40 square metres
Building environment	Heating and Natural Ventilation
Calculation tool	Elmhurst Energy Systems Ltd, SBEM Online, v6.01, SBEM, v6.1.b.0

## Assessor's details

Assessor's name	Robert Danny Lockhart
Telephone	01332 805 410
Email	<a href="mailto:danny@resolve-epc.co.uk">danny@resolve-epc.co.uk</a>
Employer's name	Resolve Solutions (Midlands) Limited
Employer's address	Woodings, 12 Willow Close, Aston on Trent, Derbyshire, DE72 2BX
Assessor ID	EES/020504
Assessor's declaration	The assessor is not related to the owner of the property.
Accreditation scheme	Elmhurst Energy Systems Ltd