

## Energy performance certificate (EPC) recommendation report

Sir William Hotel  
Sir William Hill Road  
GRINDLEFORD  
S32 2HS

Report number  
**0182-3097-3432-6903-8482**

Valid until  
**19 July 2033**

---

### Energy rating and EPC

This property's energy rating is C.

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 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.	Low
Some walls have uninsulated cavities - introduce cavity wall insulation.	Medium
Some windows have high U-values - consider installing secondary glazing.	Medium
Add weather compensation controls to heating system.	Medium

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

Recommendation	Potential impact on carbon emissions
Some loft spaces are poorly insulated - install/improve insulation.	Medium
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	Low
Some solid walls are poorly insulated - introduce or improve internal wall insulation.	Medium
Consider switching from gas to biomass.	High
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
Consider installing a ground 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
Consider installing PV.	Low

---

## Property and report details

Report issued on	20 July 2023
Total useful floor area	712 square metres
Building environment	Heating and Natural Ventilation
Calculation tool	DesignBuilder Software Ltd, DesignBuilder SBEM, v7.1.4, SBEM, v6.1.e.0

---

## Assessor's details

Assessor's name	Keifer Ballard
Telephone	01924 669941
Email	<a href="mailto:epc@compliance365.co.uk">epc@compliance365.co.uk</a>
Employer's name	Compliance 365
Employer's address	6 Mariner Court
Assessor ID	EES/023049
Assessor's declaration	The assessor is not related to the owner of the property.
Accreditation scheme	Elmhurst Energy Systems Ltd

---