

Energy performance certificate (EPC) recommendation report

Green Dragon Inn
High Street
Kimberworth
ROTHERHAM
S61 2BH

Report number
0010-3203-0450-5950-5044

Valid until
1 September 2030

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 |
| Consider replacing T8 lamps with retrofit T5 conversion kit. | Low |
| Add time control to heating system. | Low |
| Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required. | Low |
| Add optimum start/stop to the heating system. | Low |
| 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 |
| Some walls have uninsulated cavities - introduce cavity wall insulation. | Medium |

Changes that may pay for themselves within 3 to 7 years

| Recommendation | Potential impact on carbon emissions |
|--|--------------------------------------|
| Add local temperature control to the heating system. | Medium |
| Add weather compensation controls to heating system. | Medium |
| Add local time control to heating system. | Low |
| 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 |

Changes that may pay for themselves in over 7 years

| Recommendation | Potential impact on carbon emissions |
|--|--------------------------------------|
| Consider installing an air source heat pump. | Medium |
| Consider installing a ground source heat pump. | Medium |
| Consider installing building mounted wind turbine(s). | Low |
| Roof is poorly insulated. Install or improve insulation of roof. | Medium |

Recommendation**Potential impact on carbon emissions**

Consider installing solar water heating.

Low

Property and report details

| | |
|------------------|------------------|
| Report issued on | 2 September 2020 |
|------------------|------------------|

| | |
|-------------------------|-------------------|
| Total useful floor area | 660 square metres |
|-------------------------|-------------------|

| | |
|----------------------|---------------------------------|
| Building environment | Heating and Natural Ventilation |
|----------------------|---------------------------------|

| | |
|------------------|--|
| Calculation tool | DesignBuilder Software Ltd, DesignBuilder SBEM, v6.1.0, SBEM, v5.6.a.1 |
|------------------|--|

Assessor's details

| | |
|-----------------|--------------|
| Assessor's name | Alex Purslow |
|-----------------|--------------|

| | |
|-----------|-------------|
| Telephone | 01924669940 |
|-----------|-------------|

| | |
|-------|--|
| Email | apurslow@compliance365.co.uk |
|-------|--|

| | |
|-----------------|-----------|
| Employer's name | ecoCarbon |
|-----------------|-----------|

| | |
|--------------------|---|
| Employer's address | 1200 Century Way Thorpe Park Business Park Leeds LS15 8ZA |
|--------------------|---|

| | |
|-------------|------------|
| Assessor ID | QUID206961 |
|-------------|------------|

| | |
|------------------------|---|
| Assessor's declaration | The assessor is not related to the owner of the property. |
|------------------------|---|

| | |
|----------------------|----------------|
| Accreditation scheme | Quidos Limited |
|----------------------|----------------|