

Energy performance certificate (EPC) recommendation report

St. Julianas Servite Convent
Marian Way
BOGNOR REGIS
PO21 1PA

Report number
0661-5623-3328-6979-7842

Valid until
8 April 2034

Energy rating and EPC

This property's energy rating is B.

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
Improve insulation on HWS storage.	Low
Add time control to heating system.	Low
Add optimum start/stop to the heating system.	Medium
In some spaces, the solar gain limit defined in the NCM is exceeded, which might cause overheating. Consider solar control measures such as the application of reflective coating or shading devices to windows.	Medium
Some windows have high U-values - consider installing secondary glazing.	Medium
Add local temperature control to the heating system.	Low

Changes that may pay for themselves within 3 to 7 years

Recommendation	Potential impact on carbon emissions
Add weather compensation controls to heating system.	Medium
Add local time control to heating system.	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.	Medium

Changes that may pay for themselves in over 7 years

Recommendation	Potential impact on carbon emissions
Consider installing a ground source heat pump.	Medium
Consider installing building mounted wind turbine(s).	Low
Consider installing solar water heating.	Low
Consider installing PV.	Low

Additional recommendations

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
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	Low
Consider installing a designed system of LED lighting	Medium

Property and report details

Report issued on	9 April 2024
Total useful floor area	1,123 square metres
Building environment	Heating and Natural Ventilation
Calculation tool	G-ISBEM Ltd, G-ISBEM, v25.3, SBEM, v6.1.e.0

Assessor's details

Assessor's name	Simon Beeching
Telephone	07740 405 603
Email	simon.beeching2@btinternet.com
Employer's name	<insert Employer/Trading Name>
Employer's address	<insert Employer/Trading Address>
Assessor ID	EES/015321
Assessor's declaration	The assessor is not related to the owner of the property.
Accreditation scheme	Elmhurst Energy Systems Ltd