

Energy Statement

Proposed Residential Development – Up to 7 Dwellings

The Hyde, Rusper Road, Crawley

Horsham District Council

1. Introduction

This Energy Statement has been prepared in support of an Outline Planning Application for the proposed development of up to seven residential dwellings at The Hyde, Rusper Road, Crawley, within the administrative boundary of Horsham District Council.

The purpose of this statement is to demonstrate how the proposed development will address national and local planning policies relating to energy efficiency, carbon reduction, and sustainable design, in line with:

- National Planning Policy Framework (NPPF)
- Horsham District Planning Framework (HDPF)
- Relevant Building Regulations (Part L – Conservation of Fuel and Power)

As the application is in outline form, the statement sets out principles and commitments rather than fixed specifications. Detailed energy strategies will be confirmed at Reserved Matters stage.

2. Policy Context

2.1 National Policy

The NPPF encourages developments that:

- Support the transition to a low-carbon future
- Improve energy efficiency
- Reduce greenhouse gas emissions
- Incorporate renewable and low-carbon energy sources where feasible

2.2 Local Policy – Horsham District

Horsham District Council policies seek to:

- Promote sustainable construction
- Encourage energy efficiency and renewable technologies
- Reduce carbon emissions from new development
- Ensure developments are designed to minimise energy demand

Energy Statement

3. Energy Hierarchy Approach

The proposed development will follow the recognised Energy Hierarchy:

- Be Lean – Reduce Energy Demand
- Be Clean – Use Efficient Energy Systems
- Be Green – Use Renewable Energy

4. Be Lean – Energy Efficiency Measures

The design of the dwellings will prioritise reduction of energy demand through:

4.1 Building Fabric

- High levels of thermal insulation to walls, roofs, and floors
- Enhanced air-tightness standards
- High-performance double or triple-glazed windows
- Thermal bridge minimisation through careful detailing

4.2 Orientation and Passive Design

- Optimised building orientation where site layout allows
- Maximising natural daylight to reduce artificial lighting demand
- Solar gain management through glazing ratios and shading

4.3 Lighting and Appliances

- Low-energy LED lighting throughout
- Energy-efficient appliances (A-rated or equivalent) encouraged through design and specification

5. Be Clean – Efficient Energy Systems

The development will incorporate efficient heating and hot water systems such as:

- Air Source Heat Pumps (ASHPs) or equivalent low-carbon systems
- High-efficiency hot water cylinders with insulation jackets
- Zoned heating controls and smart thermostats
- Mechanical Ventilation with Heat Recovery (MVHR) considered where viable

Gas boilers are not proposed as the primary heating solution unless required by future design constraints; preference will be given to electric-based low-carbon systems.

Energy Statement

6. Be Green – Renewable and Low-Carbon Technologies

Subject to detailed design and viability, the following technologies will be considered:

- Roof-mounted Solar Photovoltaic (PV) panels
- Battery storage systems to improve on-site energy use
- Electric Vehicle (EV) charging points for each dwelling
- Potential communal renewable solutions if layout permits
- Solar PV is considered the most practical renewable technology for this scale of development.

7. Carbon Reduction and Compliance

At Reserved Matters stage, SAP calculations will be undertaken for each dwelling to demonstrate compliance with the prevailing Building Regulations Part L requirements at the time of construction.

The intention is that the development will:

- Exceed minimum regulatory standards where feasible
- Deliver measurable reductions in regulated carbon emissions
- Support the district's wider climate and sustainability objectives

8. Sustainable Construction

The development will also consider:

- Responsibly sourced construction materials
- Waste minimisation during construction
- Water efficiency measures such as low-flow fittings
- Sustainable drainage integration alongside energy design

9. Conclusion

Although the application is submitted in outline form, the proposed development at The Hyde, Rusper Road, Crawley demonstrates a clear commitment to sustainable and energy-efficient design principles. Through adherence to the energy hierarchy and incorporation of modern low-carbon technologies, the scheme will contribute positively to local and national sustainability objectives.

Energy Statement

Detailed energy specifications and SAP assessments will be provided at the Reserved Matters stage to ensure full compliance with Horsham District Council policies and Building Regulations in force at the time of development.