
Climate Mitigation Statement

Proposed New Dwelling at Griffin House, School Lane, Appledore, Kent, TN26 2BA

1. Introduction

This Climate Mitigation Statement supports the proposal for a new three-bedroom dwelling located within the grounds of **Griffin House, School Lane, Appledore, Kent, TN26 2BA**. The development incorporates measures to reduce carbon emissions, improve energy efficiency, and promote sustainable water and transport solutions.

2. Solar Technology and Energy Efficiency

The dwelling will be newly constructed to meet or exceed current Building Regulations, including requirements for thermal efficiency and insulation. Compliance with the latest version of the **Standard Assessment Procedure (SAP)** will be ensured.

Key features include:

- High-performance insulation to reduce heat loss.
 - **Energy-efficient LED lighting** throughout.
 - Space and water heating provided by an **Air Source Heat Pump (ASHP)**.
 - **3 photovoltaic (PV) solar panels** installed to provide renewable electricity.
 - Design prepared for future integration of additional low-carbon technologies if required.
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3. Electric Vehicle Charging

A dedicated **Electric Vehicle (EV) charging point** will be installed **adjacent to the front door**, providing convenient access for residents and future-proofing the home in line with sustainability targets.

4. Rainwater Harvesting and Sustainable Drainage

Sustainable surface water management has been incorporated into the scheme:

- Rainwater from roofs will be collected via standard downpipes and discharged to **new ground soakaways**.
 - Hard landscaped areas will allow for **natural run-off into surrounding garden spaces**.
 - A **600-litre water butt** will collect rainwater for garden use and non-potable applications, as shown on the proposed plans.
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5. Conclusion

This proposal for a new dwelling at Griffin House demonstrates a commitment to environmental sustainability through the use of renewable energy, low-carbon heating, EV infrastructure, and sustainable drainage. These measures help align the development with national and local climate change mitigation objectives.
