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Climate Mitigation Statement

Demolition of existing garage and erection of a proposed New

Dwelling on Land Adjacent to 3 Brickfield Cottage,

Harville Road, Wye, Kent, TN25 4ER



Introduction

In line with national and local planning policy objectives, this proposal incorporates several climate mitigation measures to ensure that the development supports environmental sustainability and contributes positively to the reduction of carbon emissions. This statement outlines the specific measures integrated into the design, including the installation of a water butt, provision for an electric vehicle (EV) charging point, and the potential use of renewable energy technologies.

Water Management and Conservation

To promote sustainable water management and reduce the consumption of potable water, a **water butt** will be installed to collect and store rainwater from the roof of the proposed dwelling. This rainwater can then be used for activities such as garden irrigation and other non-potable uses, reducing reliance on mains water supply. This aligns with the local authority's commitment to sustainable water usage, particularly within the **Stour Catchment area**, where water conservation is a key consideration. The installation of a water butt will contribute to managing surface water run-off while also improving resilience to future drought conditions.

Electric Vehicle Charging Point

In recognition of the shift towards low-emission transport options and to support the growing use of electric vehicles (EVs), the proposal will include provisions for the installation of an **EV charging point**. This charging point will be located near the existing driveway area, easily accessible for residents. The provision of EV charging infrastructure encourages the use of electric vehicles, reducing carbon emissions associated with traditional fuel-powered cars. This is in line with **Policy TRA3a** of the Ashford Local Plan, which promotes sustainable transport solutions as part of new development projects.

Renewable Energy

To further enhance the environmental sustainability of the development, consideration is being given to the incorporation of various types of **renewable energy technologies**. Options under review include the installation of **solar photovoltaic (PV) panels** on the roof of the new dwelling to generate clean, renewable electricity for use within the home. This would reduce the overall energy demand from non-renewable sources, contributing to a reduction in carbon emissions and lowering the property's overall carbon footprint. The use of energy-efficient building materials and techniques will also be employed to ensure the property meets modern standards for energy efficiency.

In addition, consideration is being given to the use of a **ground-source heat pump** or **air-source heat pump** as part of the dwelling's heating solution. These systems would allow for the efficient use of renewable energy for space heating and hot water, further reducing reliance on fossil fuels and aligning with the government's target to phase out gas boilers by 2035.

The most suitable source of renewable energy will be assessed and determined at building control stage via a SAP calculation and will be compliant with Part L of the building regulations.

Conclusion

The proposed development incorporates a range of climate mitigation measures to ensure it contributes positively to environmental sustainability. Through the installation of a water butt, an EV charging point, and the consideration of renewable energy technologies, this proposal aligns with both national and local planning policies aimed at mitigating the effects of climate change. These measures will not only reduce the carbon footprint of the property but also improve the resilience of the development to future environmental challenges, ensuring it remains sustainable for years to come.