

**Carbon Energy Statement for Eagles Coffee Bar 65 Windsor Road,
Prestwich, M25 0DB**

1. Introduction

This Carbon Energy Statement outlines the energy consumption and carbon emissions associated with the property located at 65 Windsor Road, Prestwich, M25 0DB. The objective is to assess the current energy performance and identify potential measures to enhance energy efficiency and reduce carbon emissions.

2. Property Overview

- **Address:** 65 Windsor Road, Prestwich, Manchester, M25 0DB
- **Current Use:** The property is registered under Eagles Coffee Bar Ltd, indicating its use as a hospitality establishment.

3. Energy Consumption and Carbon Emissions

Note: Specific energy consumption data for 65 Windsor Road is not publicly available. The following assessment is based on typical energy usage patterns for similar properties in the hospitality sector.

- **Electricity Consumption:** Hospitality establishments typically consume significant electricity for lighting, kitchen equipment, heating, ventilation, and air conditioning (HVAC) systems. An average small restaurant may consume approximately 50,000 kWh of electricity annually.
- **Gas Consumption:** Gas is commonly used for cooking and space heating. Average annual gas consumption for similar establishments is around 30,000 kWh.
- **Carbon Emissions:** Based on the UK Government's conversion factors, the carbon emissions can be estimated as follows:
 - Electricity: $50,000 \text{ kWh} \times 0.233 \text{ kg CO}_2\text{e/kWh} = 11,650 \text{ kg CO}_2\text{e}$
 - Gas: $30,000 \text{ kWh} \times 0.184 \text{ kg CO}_2\text{e/kWh} = 5,520 \text{ kg CO}_2\text{e}$
 - **Total Annual Emissions:** Approximately 17,170 kg CO₂e (17.17 tonnes CO₂e)

4. Energy Efficiency Measures

To reduce energy consumption and associated carbon emissions, the following measures are recommended:

- **Lighting:** Replace existing lighting with energy-efficient LED fixtures. LEDs consume up to 80% less energy than traditional incandescent bulbs.
- **Kitchen Equipment:** Invest in energy-efficient kitchen appliances. Regular maintenance ensures optimal performance and energy efficiency.
- **HVAC Systems:** Upgrade to high-efficiency HVAC systems with programmable thermostats. Regular servicing can improve efficiency and extend equipment lifespan.

- **Insulation:** Enhance insulation in walls, roofs, and floors to reduce heating and cooling demands.
- **Renewable Energy:** Consider installing solar panels to generate on-site renewable electricity, reducing reliance on grid electricity and lowering carbon emissions.

5. Monitoring and Management

Implement an energy monitoring system to track consumption patterns. Regular analysis can identify anomalies and areas for improvement. Staff training on energy conservation practices can also contribute to reducing overall consumption.

6. Conclusion

By adopting the recommended energy efficiency measures, Eagles Coffee Bar at 65 Windsor Road can significantly reduce its energy consumption and carbon footprint. These actions not only contribute to environmental sustainability but can also result in cost savings and enhanced corporate social responsibility.

Fibre connections,

The premises has been connected with technical infeasible fibre connection namely Virgin Media at the premises.