



Geo Green Power

Surgery powers a healthier future with solar energy

Midlands based surgery saves over £200,000 with solar.

Solar for NHS surgery

As one of two surgeries in Coventry serving over 13,000 patients, Broad Street Surgery plays a vital role in its local community. With patient numbers continuing to rise and healthcare demands increasing, the practice faces the same growing challenge as many others across the NHS – how to manage rising energy costs while maintaining quality care.

Across the NHS, this challenge is significant. The latest NHS Estates Returns Information Collection (ERIC) reports that in 2023-24, the NHS in England consumed 11.1 billion kWh of energy, including 2.7 billion kWh of electricity. Despite electricity usage rising by just 1%, costs surged 20% to £769 million in a single year – with total energy spending more than doubling since 2019.

For Broad Street Surgery, these rising costs underscored the importance of investing in a sustainable, long-term solution that would reduce dependence on the grid, stabilise operating costs, and help meet national net zero goals – all without disrupting patient services.



Solar System Size: 25kWp



Annual output: 21,000kWh



Annual CO2 Saving: 5 Tonnes



Cost Saving Over 30 Years: £200k

“Working with the Geo Green Power team was an excellent experience from start to finish. Communication was clear throughout, the installation process was smooth, and every stage was handled efficiently and professionally.”

Broad Street Surgery

Dr Nabeel Malik, GP Partner

**View the
drone footage**



A carefully planned solar installation for a live healthcare site

Geo Green Power designed and installed a 25kWp solar PV system on the surgery's roof, optimised to make the most of available space and maximise on-site generation. The new system will produce around 21,000kWh of clean electricity every year, helping to power lighting, medical equipment, and IT systems with renewable energy.

Because the surgery needed to remain open throughout, the project required meticulous planning and coordination. Geo Green Power's engineers worked respectfully and sensitively within the live healthcare environment, maintaining safe access for staff and patients, minimising noise and disruption. Every stage of the installation was delivered with professionalism, care, and a focus on patient wellbeing.

Sustainable power with long-term benefits

The 25kWp system is expected to generate 21,000kWh of electricity annually, cutting the surgery's carbon emissions by around five tonnes per year – equivalent to powering more than 120 desktop computers for 12 months.

Over its 30-year lifespan, the system is estimated to deliver over £200,000 in total savings and income, protecting the practice from future energy price volatility while contributing to the NHS's broader sustainability objectives.

Empowering the healthcare sector to go green

Broad Street Surgery's solar investment demonstrates how healthcare providers can take meaningful steps toward sustainability while continuing to deliver outstanding care. As more surgeries look to follow their example, the benefits are clear: lower energy bills, reduced environmental impact, and greater resilience to future cost increases.

To support this growing interest, Geo Green Power is developing a dedicated Solar Guide for Healthcare, offering practical insights, funding information, and case studies to help medical practices, clinics, and hospitals make informed decisions about transitioning to renewable energy.



Take control of your energy



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