

Why Renewable Energy?



Tackling climate change

■ Decarbonising our electricity supply is central to tackling climate change. Scotland has a set target to reach net zero emissions of greenhouse gases by 2045. To make this possible, the country aims to generate 50% of Scotland's overall energy consumption from renewable sources by 2030 and to decarbonise our energy system almost completely by 2050¹. Renewable energy projects like Woodheads Energy Park are crucial in making this ambition a reality.

■ The Scottish Borders declared a climate emergency in September 2020. The Council Plan 2024 underlines the Council's commitment to reaching net zero by 2045².

¹ Scottish Government (2017)
² Scottish Borders Council (2024)



Meeting demand for power

■ The Woodheads project, as currently proposed, will provide a generating capacity of 100MW of clean power from solar energy at a time when our national demand for electricity is projected to rise by 50% by 2036, and double by 2050³.

■ This proposal will supply green power to an estimated 35,000 homes⁴, the equivalent to 48,000 tonnes of CO2 saved per annum⁵.

³ National Grid (2022)
⁴ Based on 113.3GWh of energy generated per year, and DESNZ statistics on the average house consumption in Scotland (2024)
⁵ Based on an annual 113.3GWh export capacity, and the Greenhouse Gas Conversion Factor (2024) from Digest of UK Energy Statistics (DUKES)



Build national power security

■ In recent years, we have seen the consequence of our national over-dependence on international oil and gas prices, with electricity prices spiralling. Through Woodheads Energy Park, ABO Energy reaffirms its dedication to advancing the development of a native clean energy supply in the UK, enabling less reliance on volatile international markets and impacts on consumer prices. This proposal will add much needed generating capacity to meet fast-rising demand for power.