Our Vision

Our village is fuelled and powered entirely by sustainable, secure, zero-carbon energy, ensuring affordability and fairness for all.

Our Objectives

= Key Objective

Environmental

- Reduce CO_2 emissions from our village
- Enable the cost-effective replacement of fossil fuel heating
- Support the transition to electric vehicles
- Contribute to regional and national sustainability goals

Economic

- Reduce our energy costs
- Reduce energy poverty in our community
- Increase our energy security and resilience

Community

- Provide a blueprint that inspires other communities to act
- Elevate community cohesion

Our Principles

Community

- **Engagement:** Fully involve the community in the planning, implementation, and operation stages of the project
- **Transparency:** Maintain clear communication about goals, progress, and decisions
- **Equity and inclusiveness:** Provide fair access to benefits, focusing on vulnerable groups
- **Partnership:** Foster strong partnerships with local councils, authorities and businesses
- **Constrain disruption:** minimise community disruption during all project phases

Environmental

- **Air quality:** Minimise emissions to improve air quality, even if the emissions result from renewable fuels
- **Biodiversity:** Ensure there is no reduction in biodiversity from the systems implemented

Economic

- **Financial sustainability:** Ensure cost-effective solutions for the community and any operating entities
- **Value for money:** Ensure ongoing costs are lower than current systems

Technical solutions

- **Effectiveness:** Ensure systems provide heat as effectively as current methods
- **Reliability and resilience:** The systems must be able to withstand disruptions, ensuring continuous supply
- **Efficiency:** Improve the energy efficiency of our properties alongside energy cost reductions
- **Scalability and flexibility:** The solutions must be scalable and adaptable to future expansions and technology advancements
- **Compliance:** Adhere to all relevant regulations, standards, and best practices

We will baseline and track Key Performance Indicators (KPIs) to ensure that we are on-track to achieve our objectives

Key Objective	Primary KPI	Secondary KPIs
Reduce CO_2 emissions from our village	• % reduction in total CO2 emissions	• Total CO_2 emissions ($KtCO_2$) • Number of households with solar PV installations (and %) • Number of households with a heat pump (and %) • Number of EVs (and %) • Electricity generated locally per annum (MWh)
Enable the cost-effective replacement of fossil fuel heating	• Average installation cost (minus grants) for replacement heating systems (£)	• The average payback period for new heating systems (years) • Total grants received for replacing heating systems (£) (and avg. per installation)
Reduce our energy costs	• % reduction in average household energy costs per annum	• Average household energy cost per annum (£) • Average cost of electricity per kWh (£/kWh) • Number of households that have implemented energy efficiency improvements (and %) • % of households with an EPC rating of C or above • Average EPC rating of households (A=7, G=1)
Reduce energy poverty in our community	• % of households experiencing energy poverty	• Number of households experiencing energy poverty • Number of households receiving energy assistance or subsidies (and %)
Increase our energy security and resilience	• Availability of electricity supply (%) (as a % of total electricity supply hours: number of households x hours in a year)	• Cost of community-generated electricity per kWh (£) • Cost vs. Ofgem/Government price cap per KWh (%)