The community wanted to explore whether a wind turbine, ground-mounted solar and a low-carbon community-scale heat project could provide affordable energy to an area that has high fuel poverty rates within the context of this current energy crisis. The Local Council still own council houses, so are interested in understanding affordable energy options, and reducing carbon emissions. A holistic approach to long-term, affordable low carbon energy looking at community ownership and local supply will be key to an equitable, just net zero transition. Suitable sites have been found for both wind and solar on Local Authority land. Further work and funding are needed to progress the project which could have significant long-term benefits for the community.

**Challenges & Risks**

Wind is controversial but a community owned/for-benefit scheme has a better chance of consensus and planning (Lawrence Weston 4.2MW turbine). The LA gave a letter of support and is keen to look at Nez solutions that will also help to reduce fuel poverty. Creating local demand (heat) next to renewable electricity generation is a good solution to circumvent grid capacity issues. Looking at local supply models such as Energy local will be key to these local generation models.