

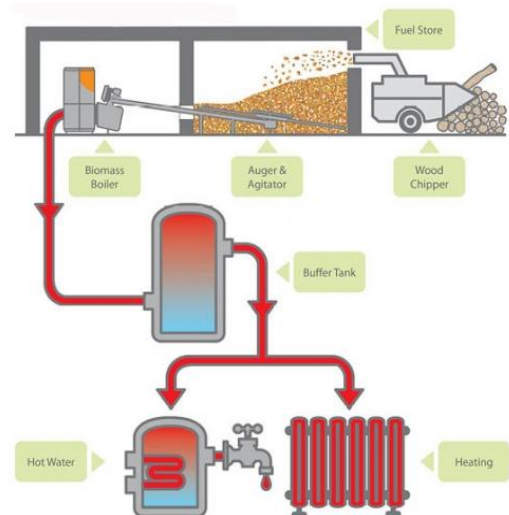
RENEWABLE ENERGY

Aims:

- Reduce carbon emissions
- Demonstrate sustainable alternatives to fossil fuels
- Provide clean energy from a variety of sources to build resilience
- Enable residents to reduce energy costs
- Reduce energy consumption

Transition Homes Community Land Trust received a grant from the Rural Community Energy Fund to assess the options for renewable energy generation on the Clay Park site. The report, produced by Argand Energy Solutions, recommends:

- 1) Over 100 kW of solar PV on the south facing roofs of 25 homes
- 2) A 'private wire' electrical network linking homes for efficient sharing of electricity generated on site
- 3) A district heating system fuelled by two wood-chip boilers to provide hot water and space heating
- 4) Solar thermal for additional hot water



The exact mix of energy systems will only be determined after further research and detailed costings.

An energy supply company (ESCO) may be established to supply low cost electricity, space heating and hot water to residents.