

Our Proposal

The Proposed Energy Recovery Facility (ERF) would:

- Use thermal treatment technology
- Generate around 9MWe of renewable and low carbon electricity - enough power to meet the equivalent demand of approximately 8,000 homes
- Produce heat to supply to local businesses or new developments (including homes)
- Process c. 100,000 tonnes per year of residual (non-recyclable) waste sourced from Powys and the surrounding areas after recyclables have been removed
- Help to reduce the amount of waste sent to landfill reducing carbon emissions
- Make an important contribution to waste management in mid Wales and the surrounds
- Fulfil the aspirations of the Welsh Government and Powys County Council for effective future waste management
- Include an education/visitor centre for community groups and students to learn about energy and waste management and their contribution to communities and the environment
- Provide a biodiversity area to enhance the geological site of special scientific interest (SSSI) within the quarry

Ein Cynnig

Byddai'r Cyfleuster Adfer Ynni (ERF) a gynigir yn:

- Defnyddio technoleg triniaeth thermol
- Cynhyrchu tua 9MWe o drydan adnewyddadwy carbon isel - digon i roi pŵer i gyfwerth galw tua 8,000 o gartrefi
- Cynhyrchu gwres i gyflenwi i fusnesau lleol neu ddatblygiadau newydd (yn cynnwys cartrefi)
- Prosesu tua 100,000 tonnell y flwyddyn o wastraff gweddilliol (na fedrir ei ailgylchu) yn deillio o Bowys a'r ardaloedd cyfagos ar ôl tynnu deunydd y gellir ei ailgylchu
- Helpu i ostwng faint o wastraff a anfonir i safle tirlenwi gan ostwng allyriadau carbon
- Gwneud cyfraniad pwysig i reoli gwastraff yng nghanolbarth Cymru a'r cyffiniau
- Cyflawni uchelgais Llywodraeth Cymru a Chyngor Sir Powys ar gyfer rheoli gwastraff yn effeithlon yn y dyfodol
- Cynnwys canolfan addysg/ymwelwyr i grwpiau cymunedol a myfyrwyr i ddysgu am reoli ynni a gwastraff a'u cyfraniad at gymunedau a'r amgylchedd
- Darparu ardal bioamrywiaeth i gynyddu'r safle daearegol o ddiddordeb gwyddonol arbennig (SSSI) o fewn y chwarel



Typical layout of an Energy Recovery Facility
Cynllun nodweddiadol Cyfleuster Adfer Ynni