

Appendix 1

Energy Saving Projects in the Pewsey community area

The following are examples of energy projects in the Pewsey community area. The Carbon Management Plan has enabled investment across the county in a range of projects on the council's own buildings and estate. As part of this large programme the following 'invest to save' projects have been implemented.

Invest to save projects

Pewsey Sports Centre – pool pump

Up to 65 per cent¹ of the energy used in leisure centres is associated with the swimming pools. One important way that swimming pools use energy is in the pumps that operate to filter and clean the water, keeping the pool hygienic. Modern filter pumps can vary their speeds based on the amount that they are needed. A slower moving pump uses much less electricity to move the water, because at lower speeds it is much more electrically efficient. The pool pump at Pewsey Leisure Centre has been modified to work in this way.

Pewsey Library - solar photovoltaic panels

Pewsey Library was newly built and opened in 2010. It was fitted with solar panels in January 2011, allowing it to generate its own electricity using energy from the sun and reducing its requirement to take electricity from the National Grid.

Project	Annual saving (£)	Annual CO ₂ saving	Year completed	*Total savings to date (£)
Pewsey Sports Centre – variable speed drive on pool pump	£720	6 tonnes	2013	£1,440
Burbage School – lighting upgrade	£250	2 tonnes	2011	£1,250
Pewsey Library – solar pv	£200‡	2 tonnes	2011	£800

‡ Excludes Feed-in Tariff payments

*Represent estimated full year savings since completion

Other projects

Collaborative low carbon schools service

The Collaborative Low Carbon Schools Service was a programme developed by the Carbon Trust to support local authorities and schools to work together to achieve effective school carbon management. Wiltshire Council worked in partnership with ten local schools to help reduce their carbon emissions and energy costs.

The following schools in the Pewsey Area Board area were selected to work on a pilot project in 2011/12.

- Burbage Primary School
- Oare Primary School
- Pewsey Primary School

¹ Carbon Trust figure

- Pewsey Vale Secondary
- Woodborough Primary School
- Rushall Primary School

Each school had an energy audit undertaken and a series of behavioural, low cost and invest-to-save opportunities were recommended to save energy. Simple measures such as labelling and switching off lights and equipment were shown to be successful in reducing energy use and got the whole school involved.

Woodborough Primary School has been awarded the Eco Schools Green Flag award in recognition of its work on sustainability projects.

Biomass boiler programme

Between 2013 and 2014 the council invested in an ambitious programme of biomass boiler installations. These have predominantly taken place in schools which were previously heated by oil. In total thirteen buildings have been converted.

Oxenwood Outdoor Education was one of the corporate buildings to benefit. The new boiler runs on wood fuel pellets. This fuel is sustainably sourced in the UK, thereby contributing to local energy resilience and carbon reduction.

The installation is also generating income through the government's 'Renewable Heat Incentive' which pays a tariff back to the council for the next 20 years of operation.

Other local initiatives

Pewsey Environmental Action Team (PEAT)

PEAT consists of a group of like-minded residents in and around the Pewsey Vale who feel passionate about environmental issues and who are actively engaging to mitigate climate change. Their interests and activities encompass a range of issues including; composting and food, energy, transport, waste and water.

In April 2014, PEAT organised the successful Pewsey Vale Green Open Homes weekend, with funding from the Centre for Sustainable Energy. The event aimed to encourage local people to find out more about the renewable energy options available to them, and provide them with the opportunity to chat to home and business owners about the advantages of installing low carbon technologies and discuss any challenges that they might need to consider before proceeding. In total, 11 local home-owners opened their doors to the public to showcase a range of technologies including solar pv, solar thermal, wind, biomass, heat pump and an electric car.

www.peatonline.org.uk/main/index.shtml