

Appendix 1: Overview of council carbon reduction projects and community activity in the Bradford on Avon community area

1. Invest to save energy efficiency projects

The following are examples of council led energy projects in Bradford on Avon. 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 in Bradford on Avon.

Library lighting upgrade

An upgrade to lighting in the library has meant the replacement of old fluorescent lighting with new energy-efficient fittings. The thinner fluorescent tubes that are now in use have improved the overall light quality while reducing energy consumption. Upgrades such as these can save a large proportion of lighting electricity costs and therefore represent a good investment. Since its installation in 2011 the new lighting has saved approximately £5,800 on electricity bills.

Swimming pool combined heat and power

In November 2014 a combined heat and power (CHP) unit was installed at the swimming pool building. The unit generates electricity to be used on site, instead of drawing it from the National Grid. Heat is a side product of this process and is used to heat the pool water. It is anticipated that savings in the first year could reach £6,200, compared to an approximate annual energy spend of £67,000 for the facility. This technology is in use in other leisure centres across the county.

Project	Annual saving (£)	Annual CO ₂ saving	Year completed	*Total savings to date (£)
Library - lighting upgrade	£1,442	7.3 tonnes	2011	£5,769
Swimming pool – CHP	£6,181	35 tonnes	Nov 2014	

* Represent estimated full year savings since completion

2. 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.

Holt Primary School was among those selected onto the programme in 2011/12. The school's energy team, which was comprised of both pupils and staff members, was supported to raise awareness and implement actions to save energy. Simple measures such as labelling and switching off lights were shown to be successful in reducing energy use and got the whole school involved.

Electric vehicle charging points

The council received £60,000 from the Local Sustainable Transport Fund in June 2012 to enable the installation of four electric vehicle charging points in station car parks. Bradford on Avon station car park was the first to benefit from a fast charger, which is capable of charging two cars simultaneously. These charge points are available for public use and typically take up to 4 hours to completely recharge the car. Charging point locations throughout the county can be found at www.openchargemap.org.

3. Local community activity

Bradford on Avon benefits from extremely active and engaged community support. In terms of tackling climate change and exploring opportunities for local low carbon solutions, [Climate Friendly Bradford on Avon](#) is the most active. The group was established in 2006 with the aims to carry out the following activities which benefit the community:

- Promote, support and develop low carbon, sustainable lifestyles in the BoA Community Area;
- Share experience of low carbon living more widely;
- Raise awareness of climate change issues;
- Campaign at a local and national level for actions supporting low carbon living

The group's [business plan](#) summarises their progress so far – some key achievements from the report are:

- **South West Regional Finalists of the British Gas Green Streets Award** (December 2009) resulting in £150,000 worth of energy efficiency and renewable energy installations. This project led to 100 insulation measures in homes, two schools and three community buildings and installation of solar panels at one school and two households.
- A solar panel "bulk buy" scheme was set up to encourage and make it easier and cheaper for householders to install solar panels. To date there have been 40 installations under this scheme
- The Government-funded LEAF project ran during the first 3 months of 2012 in the community area. The £60,000 funding was used to carry out comprehensive energy assessments in 20 households and two community buildings, thermal imaging of 1,000 homes, internal wall insulation at the Quaker Meeting House and an upgrading of Climate Friendly Bradford's communication tools. Through this funding a thermal imaging camera was purchased and training provided for around 20 people.

More recently an 11kWp solar photovoltaic panel array was installed on Fitzmaurice School, through a local fundraising initiative. The Beeches B&B is the first accommodation provider in the area to install an electric car charging point on the Holt Road.