

## Appendix 1: Energy Saving Projects in Trowbridge

The following are examples of energy projects in the Trowbridge 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**

#### Castle Place Car Park, Trowbridge – lighting upgrade

In 2010, the fluorescent lighting in the car park was replaced using adaptors to permit energy-efficient lamps to be fitted. The thinner fluorescent tubes improve the overall light quality in the car park while reducing energy consumption.

A pilot project is now underway to test the use of LED lighting. This has shown that higher light levels can be achieved, whilst reducing energy consumption. There is also expected to be a maintenance cost saving over the life of the new lights.

#### County Hall, Trowbridge – low emission pool cars

Wiltshire Council has replaced 10 pool cars within its fleet by investing £110,000 in seven ultra-low emission and three electric vehicles. In addition, further investment of £180,000 has been identified to replace another 10 diesel pool cars with a combination of electric, hybrid, plug-in hybrid and ultra-low emission vehicles. These cars will bring significant savings for the council in terms of fleet and fuel use.

The new green cars, together with a drive to reduce overall journeys to cut costs and environmental impact have already seen results. Between 2012/13 and 2013/14 Wiltshire Council reduced its CO<sub>2</sub> emissions for pool car and business use by 120 tonnes.

#### County Hall, Trowbridge - solar PV installation

The solar panels at County Hall were completed in December 2014. This installation is expected to save the council £1,733 a year on electricity bills, with an income of £2,500 a year (from the feed-in tariff and selling energy back to the grid) for the next 20 years of operation.

<b>Project</b>	<b>Annual saving (£)</b>	<b>Annual CO<sub>2</sub> saving</b>	<b>Year completed</b>	<b>*Total savings to date (£)</b>
Trowbridge Children's Resource Centre – plant room insulation	£29,180	68 tonnes	2014	£29,180
Trowbridge Castle Place multi-storey car park – lighting upgrade	£6,372	46 tonnes	2010	£31,859
County Hall – three Nissan leaf electric pool cars	£17,100	8 tonnes	2012	£51,300
County Hall – ICT virtual server	£2,000	10 tonnes	2014	£2,000
County Hall – solar PV installation	£1,733	8 tonnes	2014	£1,500

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Larkrise School – lighting, controls and boiler upgrades	£1,011	5 tonnes	2012	£3,033
Trowbridge Castle Place Leisure Centre – lighting upgrade	£909	5 tonnes	2014	£909
Trowbridge Longmeadow Primary School – lighting upgrade	£600	4 tonnes	2011	£2,400
Trowbridge Sports Centre - lighting upgrade	£416	2 tonnes	2011	£1,665

\*Represent estimated full year savings since completion

### **Other projects**

#### Cut Carbon, Cut Costs

In 2012, Wiltshire Council launched a programme to help schools make energy savings. The 11 participating schools from Trowbridge and the surrounding area were provided with training and support to implement simple yet effective behaviour changes, to reduce their energy use and also save them money. This included helping with the school's routine of switching off electrical equipment, raising awareness through lessons and providing a technical surveyor to help schools identify areas of improvement.

#### Electric vehicle charging points

Last year Wiltshire Council successfully bid for a £225,000 grant from the Office of Low Emission Vehicles (OLEV) to install rapid charging units at key sites around the county. Trowbridge was one of the strategic sites selected. The charge point is located in Duke Street and can provide a 20-30 minute recharge for an electric vehicle. Charging point locations throughout the county can be found at [www.openchargemap.org](http://www.openchargemap.org).