

## Energy Efficiency Projects, 2010/11

Project	Description	Investment (£)	Annual Saving (£)	Reduction (tCO <sub>2</sub> )	Payback (Years)	Implementation
Salisbury Five Rivers Leisure Centre Combined Heat & Power Unit	To install a unit to provide baseload heat and electric power at a high level of efficiency. This flagship project will generate substantial cost and carbon savings throughout the year.	£176,000	£29,596	216.5	5.9	Installed
Wiltshire Street Bollards Relamp	To replace existing bollard lamps with high-efficiency luminaires, reducing electricity consumption all year round.	£166,770	£36,800	250.2	4.5	Installed
Trowbridge Castle Place MSCP Relamp	To replace existing ceiling lights with high-efficiency luminaires, reducing electricity consumption all year round.	£16,278	£7,253	49.3	2.2	Installed
Salisbury City Hall Auditorium Lighting Upgrade	To upgrade the auditorium lighting to high-efficiency lighting with digital controls. The project will significantly reduce energy bills all year round, providing improved light quality and aesthetics and allow for the latest stage lighting control requirements.	£27,936	£4,695	31.9	6.0	Installed
Shurnhold Office Air Source Heat Pumps	To install devices that use a small amount of electricity to extract heat from the air around the facility. This represents a cost effective alternative to oil-fired and conventional electric heating and will reduce carbon emissions at the site all year round.	£49,041	£3,556	12.1	13.8	Installed
Springfields Leisure Centre Insulation	To install insulation in the walls and roof spaces of the facility to reduce heat loss all year round.	£4,751	£2,778	26.9	1.7	Installed
Devizes Leisure Centre Variable Speed Drive (BA148JN-06)	To install invertors on various water pumps and air handling fan drives to allow the speed to be varied with demand. This will greatly increase the efficiency of the equipment all year round.	£13,190	£2,748	18.7	4.8	Installed
Marlborough Leisure Centre Variable Speed Drive (BA148JN-08)	To install invertors on various water pumps and air handling fan drives to allow the speed to be varied with demand. This will greatly increase the efficiency of the equipment all year round.	£10,175	£2,120	14.4	4.8	Installed
Durrington Leisure Centre Water Softener	To install a water softener that will reduce the build-up of scale in the pipework and reduce heating and pumping costs all year round.	£4,500	£941	3.4	4.8	Installed
Devizes Leisure Centre Lighting Upgrade	To fit light and motion sensors to control the lighting and switch off when areas of the building are not in use. This will save energy all year round.	£5,290	£1,785	12.1	3.0	Installed
Wilton Depot Boiler Replacement	To replace the existing boiler with a modern, energy efficient type saving energy during the heating season.	£4,000	£838	8.1	4.8	Installed
Urchfont Manor Relamp	To replace inefficient lamps with energy efficient ones, saving energy all year round.	£1,226	£380	2.6	3.2	Installed
<b>Subtotal</b>		<b>£479,157</b>	<b>£93,490</b>	<b>646.2</b>		<b>Already installed</b>

Salisbury Five Rivers Variable Speed Drive	To install invertors on various water pumps and air handling fan drives to allow the speed to be varied with demand. This will greatly increase the efficiency of the equipment all year round.	£35,000	£7,582	51.6	4.6	2010-11
Salisbury Central MSCP Relamp	To replace existing ceiling lights with high-efficiency luminaires, reducing electricity consumption all year round.	£14,054	£4,594	31.2	3.1	2010-11
Salisbury Five Rivers Liquid Pool Cover	To install dosing equipment to allow a chemical to be introduced to the pool water that forms a very thin layer on the pool surface when the water is still. This significantly reduces heat loss and the cost of heating the pool water all year round.	£5,000	£800	7.7	6.3	2010-11
BoA Library Light Fitting Replacement	To replace existing ceiling lights with high-efficiency luminaires, reducing electricity consumption all year round.	£2,990	£666	4.5	4.5	2010-11
Salisbury Five Rivers Hand Dryer Replacement	To replace the existing conventional hand-dryers with the most energy efficient devices, providing reduced energy costs and a better aesthetic.	£2,500	£333	1.1	7.5	2010-11
<b>Subtotal</b>		<b>£59,544</b>	<b>£13,975</b>	<b>96.1</b>		<b>To be installed by end March 2011</b>
Identified Projects Total		£538,701	£107,465	742.3		
2010-11 Rollover Total (est.)		£469,299				
2010-11 Unspent Salix Funds		£192,000				
2010-11 Budget Grand Total (est.)		£1,200,000	£107,465	742.3		

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