

## Annex B – Salix/CYC funded CMP Projects

Proposed projects for Salix/CYC financing:

Description of project	Cost	CO <sub>2</sub> savings per annum
1. Installation of 21 <b>Power Perfector</b> units. A Power Perfector is a Voltage Power Optimiser, giving energy, cost and carbon savings by efficiently optimising a site's supply voltage. By optimising the voltage, electrical equipment runs more efficiently and consumes less energy.	£260,000	Approximately 440 tonnes CO <sub>2</sub>
2. Installation of <b>Thermostatic Radiator Valves (TRV)</b> to a selection of schools. TRVs can be used to control low temperature hot water heating systems using conventional radiators. They control the flow of hot water to a radiator, depending on the temperature of the surroundings. The appropriate use of TRVs prevents over-heating of a room, hence saving energy and reducing carbon dioxide emissions.	£5100	Approximately 24 tonnes CO <sub>2</sub>
3. Installation of <b>Automatic lighting controls</b> to a selection of schools. Automated lighting controls minimise energy waste by turning off artificial lighting when it is not required.	£5000	Approximately 14 tonnes CO <sub>2</sub>
4. <b>Insulation upgrade</b> in a major secondary school. Insulation refers to the ceiling, walls, windows, floors and doors of a building and will play a major role in the energy efficiency of the building structure.	£10,000	Approximately 18 tonnes CO <sub>2</sub>
5. Installation of Inverter <b>variable Speed Drives (VSDs)</b> in a selection of schools. VSDs are used to provide speed control for electric motors. In many applications, energy use and motor speeds are related so that even a relatively small reduction in speed can result in significant CO <sub>2</sub> and revenue savings.	£8000	Approximately 25 tonnes CO <sub>2</sub>

6. Adoption of <b>Good control of building services</b> (heating, ventilation, cooling, lighting, recommissioning boiler controls ) at various sites across CYC.	£30,000	Approximately 100 tonnes CO <sub>2</sub>
7. Retrofitting of efficient lighting in selected CYC sites.	£107,750	Approximately 120 tonnes CO <sub>2</sub>
8. Recruitment and employment of a Data Analysis	£40,000 * This is an estimated cost only.	TBC
<b>TOTAL</b>	£465,850	741 tonnes CO <sub>2</sub>

\* The full £500,000 will be applied for through Salix. Please note that until the Data Analysis post has been graded, all costs are provisional and will be amended to reflect the outcomes of the grading.