

## Environment Scrutiny Panel

### Energy Reduction Plan

| SCRUTINY RECOMMENDATION  | PROPOSED ACTION  | BY WHOM                              | BUDGET COST | TIMESCALE                        |
|--|--|--------------------------------------|-------------|----------------------------------|
| <p>That the updated position, and the wide range of schemes and initiatives being implemented to both monitor energy usage and to reduce it, is noted.</p> | <p>The Energy Management team will work in conjunction with the One Planet Living (OPL) team to provide schools with advice on environmental sustainability including energy management.</p> <p><b>EXISTING SERVICE PROVIDED</b></p> <p>The Energy Management team provide the following service to schools:</p> <ul style="list-style-type: none"> <li>• Check and payment of energy and water invoices with emailed reports to notify the school of payments made against their budget.</li> <li>• Raise billing queries with utility companies and chase up to ensure that the queries are</li> </ul> | <p>Martin Shepherd<br/>Mike Knox</p> |             | <p>April 2012 - October 2012</p> |

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|  | <p>resolved and any credits are received.</p> <ul style="list-style-type: none"><li>• Compile school meter details to enable utility contracts to be tendered.</li><li>• Provide excess reports, when energy and water consumption increases outside tolerances, with suggestions of possible causes to be investigated.</li><li>• Energy and water consumption and cost reports showing bar charts of monthly consumption with comparison to previous year.</li><li>• Operate the Building Management Systems (BMS) to control the heating, hot water and other central plant in 32% of schools. Set time and temperature settings to minimise energy consumption. Be a first point of contact upon plant failure to help to identify the fault. Arrange annual maintenance of plant controls.</li><li>• General advice and information when requested.</li></ul> |  |  |  |
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|  | <p><b>PROPOSED ADDITIONAL SERVICE</b></p> <p>In partnership with the Environmental Sustainability Team and Middlesbrough Environment City explore options on how the principals of One Planet Living can be introduced to the school environment, with specific reference to energy management and reducing carbon.</p> <p>In addition to the above, provide the schools with the following:</p> <p>Energy and water consumption data</p> <ul style="list-style-type: none"> <li>• with a comparison to other schools and benchmarks</li> <li>• Provide access to Automatic Meter Read (AMR) data showing details of energy and water consumption down to each half hourly period to identify out of hours usage and high peak usage (cost implication for schools to gain access to suppliers data)</li> <li>• Carry out a feasibility study with regard to the installation of Voltage Optimisation units in the largest school sites.</li> <li>• Top tips to reduce energy and water</li> </ul> |  |  |  |
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|   | <p>consumption</p> <ul style="list-style-type: none"> <li>• Funding sources for energy saving schemes</li> <li>• Provide support to link energy management into the EcoSchools Programme and encourage more schools to work towards Green Flag status</li> </ul>   |   |  |                                  |
| <p>That the issue of providing advice to schools on energy reduction is taken forwards and highlighted. For example, by Councillors who are school governors raising the issue with their schools and a joint letter from the Chair of the Scrutiny Panel and the Executive Member for Streetscene Services and Transport being sent to all head teachers</p> | <p>Meeting held with Chair of the Scrutiny Panel and the Executive Member for Streetscene Services and Transport to draft a letter</p> <ul style="list-style-type: none"> <li>• Highlight opportunities for schools to work towards EcoSchools, including Green Flag status, demonstrating links to the National Curriculum.</li> </ul> <p>Evaluate the potential in this letter to give a brief example of a school that has taken energy management on board .</p> | <p>Martin Shepherd<br/>Mark Fishpool</p> <p>Chair of the Scrutiny Panel and the Executive Member for Streetscene Services and Transport</p> |  | <p>April 2012-<br/>July 2012</p> |