



## Energy and Water Management Policy for

### School

#### 1. Statement of Commitment

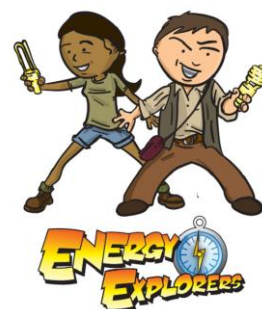
This school is committed to the responsible management of energy and water and will promote the conservation of these resources in all its operations.

#### 2. Objectives

The overall aim of this policy is to save money, reduce energy wastage, improve working conditions, minimise environmental damage, reduce our dependence on fossil fuels and help raise awareness of sustainable energy issues.

##### We will:

- 2.1 Review our energy and water policy for the school on an annual basis.
- 2.2 Establish a structure for energy and water management with clear delegation of responsibility and lines of communication.
- 2.3 Elect a staff member to be an Energy and Water Advisor.
- 2.4 Purchase energy through ESPO for long term price benefit, effective price risk management and for access to web based performance monitoring, target and budget setting – through the energy pages of **Atlasweb**.
- 2.5 Involve pupils and staff as Energy Explorer's in the management of energy and water use in the school through a co-ordinated approach of awareness raising, information provision and opportunities within the curriculum.
- 2.6 Raise awareness of energy and water conservation amongst all building users through a combination of training, publicity and information exchange.
- 2.7 Establish need for improvement from the results of an **Energy Survey** using the '**Schools Energy and Water Checklist**' and from the '**Energy Management Matrix**'.
- 2.8 Invest in energy and water saving schemes, using a loan from **Salix Finance** or from school resources, when cost effective opportunities arise.  
<http://salixfinance.co.uk/loans/schools-loans>



#### 3. Action Plan (see Appendix)

- 3.1 The school will produce an energy and water Action Plan in conjunction with the governing body.
- 3.2 The Action Plan will be reviewed on an annual basis.

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#### 4. Targets

4.1 Targets will be established for energy and water use and reviewed annually.

	<b>Current Performance (last school year)</b>	<b>Target Performance (current school year)</b>	<b>Target % Reduction</b>
<b>Electricity</b> kWh/m <sup>2</sup> /annum			
<b>Gas/Oil</b> kWh/m <sup>2</sup> /annum			
<b>Water</b> litres/pupil/day			

#### Targets / Benchmarks for Energy and Water\*

School Type	Electricity kWh/m <sup>2</sup> /yr		Gas/Oil kWh/m <sup>2</sup> /yr		Water lit/pupil/day*	
	Good Practice	Typical	Good Practice	Typical	Good Practice	Typical
Primary	30	40	110	150	14	20
Primary with pool	35	45	140	190	16	23
Secondary	30	40	110	150	15	20
Secondary with pool	35	45	140	190	19	27

\*Based on an average occupancy of 189 days per annum

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## Notes

### 1. Energy and water Advisor

The Energy and Water advisor will be the point of contact for the school for all issues relating to the use of energy and water.

The Energy Team at WCC hope that a network of Energy and Water Advisors will be established across the County and that resources, training and support will be provided in the future.

### 2. Web Based Information Systems

Web based energy monitoring and targeting systems have been established through the energy module on Atlasweb. Where electricity and fuel is purchased through ESPO the WCC Energy Team have regular access to consumption data.

You can view this data in a number of ways - graphical views, just the raw consumption or cost figures. More advanced reports can be set up to aid schools in effective energy management.

### 3. School Energy Survey

A School Energy Survey should help to identify no cost and low cost opportunities for energy and water saving. Regular walk-rounds will help reduce utility costs and help develop action plans.

A 'School Energy and Water Survey Checklist' is available, which gives details of the things to look out for during a walk-round of the school buildings. This could be used by the children.

### 4. Energy Management Matrix

An Energy management Matrix is available. This is a tool to help establish the current state of energy management in your school and to guide the formulation of an Action Plan.

### 5. Salix Finance Loan Fund

Funded by the Department for Education, Salix launched a Schools programme in 2012 providing 100% interest-free loans specifically for schools in England. The Schools programme has extended compliance criteria of an 8 year payback and £200/tCO<sub>2</sub> lifetime for energy efficiency projects. This will enable many eligible schools to use Salix funding to install the best possible energy efficiency technologies in their estates. <http://salixfinance.co.uk/loans/schools-loans>

### 6. Action Plan (See Appendix)

A suggested format for a School Energy and Water Action Plan is attached in Appendix.

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## Appendix:

### Energy and Water Action Plan Year 1

School

#### 1. Energy and Water Management Team

- Set up a school Energy and Water Management Team involving senior management, teaching staff, governors, site manager and pupils.

#### 2. Energy and Water Advisor

- Elect an Energy and Water Advisor/Champion, with defined responsibilities and reporting structure.

#### 3. School Energy Survey

- Conduct an energy and water survey to identify problems and opportunities for saving.

#### 4. Energy Management Matrix

- All members of the Energy and Water Management Team will fill in the 'Energy Management Matrix' to gain an understanding of the current level of energy and water management. The team will then agree two columns where improvement can be made.

#### 5. Establish Needs for Improvement

- Combine the results of the Matrix exercise and the Energy Survey to produce a list of potential projects.

#### 6. Projects Year 1

- Select an achievable number of projects to be carried forward in the first year and seek funding to deliver.

#### 7. Review Progress

- Review progress on a termly basis.



### Useful Contacts

If you subscribe to the WES Energy and Water Efficiency Service and need any assistance with any energy issue, please contact the Energy Team, Shire Hall, WCC, Warwick, CV34 4RL on Tel: 01926 41 4114 or 01926 01926 47 6623 or by email to: [theenergyteam@warwickshire.gov.uk](mailto:theenergyteam@warwickshire.gov.uk).

<http://www.warwickshire.gov.uk/energyandwater>

<http://www.warwickshire.gov.uk/schoolenergy>