

NORTH LANARKSHIRE COUNCIL

REPORT

To: Education (Resources) Committee	Subject: Energy Management and Water Management in Educational Establishments
From Director of Education	
Date: 20 May 1996	

Purpose of Report

The report notes the current action being taken in energy and water management in educational establishments.

Recommendations

The committee is asked to:

- a) note the arrangements which continue to be made for the management of energy consumption in educational establishments,
- b) note the report by the Accounts Commission on the management of water and sewerage in schools and the initiatives by the education department in response to the findings,
- c) ask the director of education to report on the progress of energy management and water management to a future meeting of this committee.

Members wishing further information about this report should contact:

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NORTH LANARKSHIRE COUNCIL : DEPARTMENT OF EDUCATION

Energy Management and Water Management in Educational Establishments

Report by Director

1 ENERGY MANAGEMENT

1.1 Aims

The aims of this initiative are to manage the consumption of energy within its various establishments with a view to ensuring the maximum financial benefit to the council, the husbanding of finite natural resources and the containment of environmental pollution.

1.2 Energy Saving Measures

The department of education is supported in its energy management initiatives by the department of Planning and Development and the department of Construction Services.

The major energy saving initiatives currently in place are as follows:-

- issue of awareness-raising and curricular materials to schools
- installation of energy saving measures, as resources allow
- setting of energy consumption targets for each establishment, and monthly monitoring of actual consumption
- monitoring of revenue energy expenditure including saving targets
- training of head teachers and senior school staff in the operation of the scheme
- training janitors in the use of the plant at their disposal
- liaison between energy managers in the education department and other departments including Planning and Development, Construction Services, Environmental Services and Leisure Services to ensure a corporate approach to energy management.
- maintaining close liaison with the Authorities' Buying Consortium in relation to the purchase of fuel
- instructing heads of establishments on detailed energy management procedures. However an overriding priority is the protection of buildings during cold weather.

2 WATER MANAGEMENT

2.1 Report by the Accounts Commission

The Accounts Commission in a report on the audit for the year ended 31 March 1995, reported that for schools in Strathclyde:- **“water and sewerage management in the authority’s schools has not been given significant management attention and current water consumption performance is very poor.”** The auditor considered that substantial savings, amounting to 50% of consumption, could be achieved.

The report identifies the following broad principles which should be adopted in order to realise achievable savings;

- being aware of what wastage costs
- installing simple conservation technology
- adopting preventative measures
- taking simple steps to identify leaks and wastage and responding accordingly.

2.2 The Present Position

Only those schools which are major water users have water meters installed and therefore monitoring consumption is at present restricted to them. Some work had been done by Strathclyde in the North Lanarkshire area to ‘pilot’ water saving measures in schools and there is no doubt that substantial savings can be made in the amount of water consumed at a significant number of schools in North Lanarkshire.

2.3 Action Initiated

Following discussions with the department of Planning and Development and the department of Construction Services the following action is proposed:

- simple conservation technology to be installed at a number of selected schools subject to the availability of finance
- appropriate awareness raising and curricular materials to be developed for use in schools
- water consumption in education properties to be monitored in line with the detailed arrangements for monitoring energy consumption
- other appropriate savings measures to be identified and initiated subject to the availability of finance.

3 Recommendations

The committee is asked to:

- a) note the arrangements which continue to be made for the management of energy consumption in educational establishments,
- b) note the report by the Accounts Commission on the management of water and sewerage in schools and the initiatives by the education department in response to the findings
- c) ask the director of education to report on the progress of energy management and water management to a future meeting of this committee.

MM/IR
20 May 1996