



ASSET & FACILITIES MANAGEMENT

CORPORATE ENERGY EFFICIENCY POLICY

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THE COUNCIL'S ENERGY POLICY FOR PUBLIC BUILDINGS AND TRANSPORT

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THE COUNCIL'S ENERGY POLICY FOR PUBLIC BUILDINGS AND TRANSPORT

INTRODUCTION

This report introduces you to South Kesteven District Council's new Energy Policy, for its Public and Commercial Buildings and its transport fleet. A separate Energy Policy document has been prepared for Private and Public Homes across the District.

OVERVIEW OF THE CORPORATE ENERGY EFFICIENCY POLICY

Energy efficiency reduces energy consumption for heating, and other activities without compromising effectiveness. It reduces energy expenditure and minimizes environmental damage whilst helping South Kesteven DC to heat their Public properties at a lower cost.

THE KEY ELEMENT OF THIS POLICY IS A COMMITMENT TO ENERGY EFFICIENCY.

South Kesteven District Council recognizes the many benefits of energy conservation and is committed to improving energy efficiency in its Public and Commercial Buildings across the District. The policy consists of the 8 statements outlined below:

- 1 Ensure use of the most **energy efficient technology** for design, installation and retrofit work in the Council's operational buildings.
- 2 Provide **advice and education** on energy efficiency to staff. Actively promote energy efficiency issues and increase awareness of energy use and its effect on the environment.
- 3 Use and promote the most **environmentally friendly** practical energy source.
- 4 Manage energy consumption in Council buildings, periodically checking this consumption against benchmarks. Work towards electronic checking of all invoices.
- 5 Enable energy to be purchased at the **lowest economic environmentally friendly rate** and periodically review purchasing tariffs.
- 6 Ensure a comfortable **working environment** for staff, where temperature and humidity levels do not compromise productivity.
- 7 Use vehicles with low fuel consumption and pollution reducing technology and ensure their regular servicing and energy conscious operation. Promote and facilitate the use of alternative modes of transport.
- 8 Work in **partnership** with other authorities and organisations in implementing this policy.

THE COUNCIL'S CORPORATE ENERGY POLICY

PRESENT POSITION

The Council is committed to contributing towards combating the threat of global warming by introducing Energy Efficiency Measures to reduce CO2 emissions in its Public and Commercial Buildings.

PROPERTY PERFORMANCE INDICATOR BV180

The Council has adopted the Property Performance Indicator BV180 to energy rate all Public Buildings within the district.

NEED FOR A POLICY

To achieve a comprehensive overall Energy Strategy the Authority is looking at all aspect of Energy Consumption. This includes all assets of the Council which Consume Energy.

A Policy to combine all aspects of Energy Management has been approved by Council which supports the Governments commitment signed at the United Nations Framework Convention on Climate Change at the Earth Summit in Brazil, in June 1992, to return carbon dioxide emissions to 1990 levels.

THE POLICY

To achieve the objective, of reducing carbon dioxide emissions to 1990 levels, the Council has a Policy of Commitment towards Energy Conservation.

The Policy to achieve this objective is:

a) Energy Management Responsibility Structure:

A clear responsibility structure with the Asset & Facilities Manager taking on the co-ordination role between departments. The Energy Manager to be responsible for the day to day operation of Energy Management within the Authority.

b) Monitoring and Targeting:

The development of systematic procedures for controlling energy consumption with a planned approach to the improvement of overall energy performance.

c) Control of Plant:

The development of quality control mechanisms, to ensure that the correct operating procedures of all plant and equipment reduce both energy cost and environmental impact.

d) Staff Awareness and Training:

Awareness programmes for all staff, including new employees, emphasising the benefits of energy efficiency. Training will be provided for those who have a significant influence on energy usage.

e) Investment:

Worthwhile and cost effective energy efficiency project will be supported. Where appropriate, energy efficiency measures will be incorporated into new services, buildings and products and when property and processes are being refurbished or renovated. Environmental and non-energy benefits will also be considered.

f) Reports:

Energy Management reports will be produced and will include details of performance changes, improvements and future objectives.

g) Tariffs:

Emphasis will be given to fuel purchasing including tariffs and to the choice of the most appropriate fuels, although not strictly an energy efficiency measure, this is a key element in any energy management plan.

h) Relations with Suppliers and Contractors:

Where practical liaison with suppliers and contractors, to increase the awareness of energy efficiency in their operations. A recent 3-year partnering arrangement for planned preventative maintenance to mechanical and electrical plant within public buildings has just been awarded. Within this contract there is the requirement for an annual energy efficiency survey and regular communication regarding energy saving issues.

i) Staff Conditions

Ensure a comfortable working environment for staff, where temperature and humidity levels do not compromise productivity.

j) Purchase of Vehicles

Use vehicles with low fuel consumption and pollution reducing technology and ensure their regular servicing and energy conscious operation. Promote and facilitate the use of alternative modes of transport.

k) Partnership Working

Work in partnership with other authorities and organisations in implementing this policy.

IMPLEMENTATION OF POLICY

To achieve as Policy a statement of aims, objectives and targets have been set.

AIMS

- 1) To improve the energy efficiency of South Kesteven DC's Public and Commercial Buildings over the next 5 to 10 years.
- 2) Use vehicles with low fuel consumption and pollution reducing technology and ensure their regular servicing and energy conscious operation. Promote and facilitate the use of alternative modes of transport
- 3) Ensure a comfortable working environment for staff, where temperature and humidity levels do not compromise productivity

OBJECTIVES

- 1) To reduce CO2 emissions
- 2) To obtain fuel at its most cost effective level.
- 3) To work with the Energy Supply Industry on various schemes to benefit the district.
- 4) To promote energy efficiency and advice through our Intranet Site.
- 5) To operate all plant and equipment at it most cost effective level.
- 6) To manage all plant and equipment cost effectively.
- 7) To power where appropriate all Council fleet vehicles by a combination of fuels. (i.e. Liquid Petroleum Gas and petrol or Petrol and electricity from a battery source.) For large vehicles the use of Bio-Diesel should be investigated.
- 8) To work in partnership with other organisations to make South Kesteven DC operate cost effectively.
- 9) To ensure a comfortable working environment for staff.

TARGETS

1) ENERGY EFFICIENCY RATING

i) To improve the energy efficiency of the Council's Public and Commercial Buildings within the district over the next 5 to 10 years.

2) WEB SITE

i) To encourage staff to consult the energy pages of our web site.

3) ADVICE AND EDUCATION

i) to provide energy advice to a minimum of 10 members of staff per annum.

ii) to undertake a minimum of 10 presentations on energy efficiency per annum to staff members.

4) ENERGY EFFICIENT TECHNOLOGY

i) to purchase where applicable A or B rated appliances for use in Public and Commercial Buildings.

ii) to purchase where applicable low energy fluorescent light bulbs for use in Public and Commercial Buildings.

5) ENVIRONMENTALLY FRIENDLY PRACTICAL ENERGY SOURCE.

i) to use gas, if cost effective, as the main heating source in 100% of new heating installations and replacements.

i) to ensure that all new build and retrofit works meets or exceeds the latest Building Regulations

6) MONITORING ENERGY CONSUMPTION

i) to provide all budget holders with a system for recording meter readings by January 2006.

ii) to monitor all large energy consumption sites through Electronic Data Interchange by April 2006.

iii) to set up monitoring and targeting of all plant and equipment and reduce energy consumption of gas, electricity and water by 5% per annum over the next 4 years.

iv) to review all targets four years hence and set new cost effective attainable target for the subsequent four years and so on.

7) ENERGY PURCHASING

- i) all Council energy contracts to be tendered at least once every three years.
- ii) all Council energy contracts to be reviewed annually.

8) COMFORTABLE WORKING ENVIRONMENT

- i) to ensure that environmental controls (boiler, air-conditioning, etc) are checked and re-set at least once per annum in all operational buildings.
- ii) to ensure that all corporate buildings have an energy survey at least once every 7 years.

9) VEHICLES

- i) to power all Council fleet vehicles were practicable with a combination of Liquid Petroleum Gas and petrol or electricity generated from batteries and petrol. For large vehicles the use of Diesel at present is the only practical fuel, however the progress of Bio-Diesel should be monitored as an alternative fuel for the future.
- ii) to encourage staff and residents to walk, cycle and use public transport in preference to travelling by car.

10) PARTNERSHIPS

- i) to work with other interested organisations such as energy suppliers, energy agencies, other local authorities, etc,
- ii) to maximise the benefits of partnership working, such as increased innovation, improved funding and economies of scale.
- iii) to disseminate this policy as an example of good practice to other interested organisations.

The above targets have been set in 2005 for the Council to work towards against the above policy statements, as funding permits.