

# Clackmannanshire Council Energy Policy

## Statement Of Commitment

Clackmannanshire Council is committed through its corporate objectives to protect and enhance the environment. The Council recognises that its use of energy impacts on local, national and global environments. The Council is committed to reducing those impacts wherever practicably possible.

We shall take local action on climate change by continuing to reduce our own energy use and by increasing our use of renewable energy, to help limit pollution and resource consumption to sustainable levels.

We shall promote the best standards of design and energy efficiency in Council owned and operated buildings.

We shall encourage and support the wider community in improving energy efficiency for the benefit of both the environment and the local economy.

## Our Objectives

1. To manage energy and water use within Clackmannanshire Council buildings to ensure it is used efficiently.
2. To reduce carbon dioxide emissions from our operations.
3. To negotiate the purchase of energy on competitive terms to ensure the Council achieves best value.
4. To actively involve staff, building users and the public in this important move towards sustainable energy use.
5. To encourage the use of renewable energy sources.
6. To continually improve the Council's own energy and water efficiency through investment and training.
7. To ensure all new build and refurbishment projects are designed for best practise energy use.
8. To promote the energy efficiency message and its benefits.

## Implementation Of Objectives

To ensure that our objectives are achieved Clackmannanshire Council will:-

- Create and sustain, through Development and Environmental Services, a high profile and priority for energy management within the Council.
- Establish and continuously adjust realistic annual energy reduction targets for each building.

- Undertake an ongoing programme of energy audits to establish the efficiency of each building and make recommendation as to the management, operation and physical improvements required.
- Ensure adequate investment to improve energy efficiency measures within the public building portfolio.
- Maintain a comprehensive database of energy consumption within buildings, which will enable reporting on building performance, and evaluation of efficiency improvements made.
- Promote energy efficiency within public buildings, and corporate wide to increase energy awareness and ensure the benefits of energy efficiency are available to all users.
- Training and motivation of staff to encourage them to become involved and take ownership of the energy they use.
- Utilise cost effective fuel supply contract procurement, and increase uptake of energy from certified new renewable energy sources.
- Ensure that all new building and refurbishment projects incorporate best practise energy efficiency design, to minimise energy consumption and carbon emissions at the outset.
- Ensure compliance with energy efficiency legislation. e.g. maximum legal heating level in office and classrooms to be 19° Celcius
- Purchase of energy efficient rated equipment for use in public buildings.
- Consider renewable energy technologies where appropriate.

### **Performance and Targets**

Clackmannanshire Council has been active in reducing energy consumption within public buildings since its inception in 1996.

The school sector has been particularly targeted, through a variety of programmes, and this has resulted in significant energy savings.

Initiatives have included:

- Devolved School Management, making head teachers responsible for energy budgets.
- Upgrade of heating controls to ensure only required areas within the building are heated to the appropriate temperature.
- Building fabric upgrades including replacement window programmes.

- Clackmannanshire School Energy Awards, recognising and rewarding the schools where energy performance improves.
- The SchoolEnergy programme, a government initiative, which enabled schools to apply for 50% grant funding towards energy efficiency works in return for developing a “Whole School Approach to Energy Efficiency”. Approved projects ranged from radiator reflector panels to swimming pool covers.
- Change of fuel source from electric to gas heating.

Gas consumption in 2003/04 in Clackmannanshire school buildings has been reduced from 14.7 million kWh in 1996/97 to 10.2 million kWh, **a reduction of 35%**.

Electricity consumption in the same buildings has fallen from 374,000 kWh to 345,000 kWh, **a reduction of 8%**. These savings have been achieved against a background of increasing use of IT equipment, and longer operational hours for the buildings.

**At today’s energy price this equates to an annual saving of £80,000, and 1150 tonnes of carbon dioxide gas not being emitted into the atmosphere each year.**

### Current Energy Consumption

Clackmannanshire Council energy consumption within public buildings for year 2003/04 is detailed below.

#### Electricity

Service	Consumption (kWh)	Cost (£)	Carbon Dioxide (tonnes)
Services To People	5,630,894	339,650	2421
Development and Environmental	915,307	59,677	394
Chief Executive Services	426,670	26,685	115
<b>Total</b>	<b>6,972,871</b>	<b>426,012</b>	<b>2930</b>

## Gas

<b>Service</b>	<b>Consumption (kWH)</b>	<b>Cost (£)</b>	<b>Carbon Dioxide (tonnes)</b>
<b>Services To People</b>	<b>16,784,860</b>	<b>205,057</b>	<b>3189</b>
<b>Development and Environmental</b>	<b>1,484,135</b>	<b>18,131</b>	<b>282</b>
<b>Chief Executive Services</b>	<b>1,266,420</b>	<b>15,496</b>	<b>240</b>
<b>Total</b>	<b>19,535,415</b>	<b>238,684</b>	<b>3711</b>

## Targets

The following targets are achievable by implementation of this policy

- Reduce gas consumption by 10% within three years.
- Reduce electricity consumption by 10% within three years.
- Increase uptake of new renewable electricity generation.
- Install renewable energy technologies within public buildings.