



Sustainable
Energy
Communities



Tool No: 6.2.4.3 Energy Management at county level

SEC-TOOLBOX

Tool Category no. 6.2.4 Existing Energy Management Tools

Overview	
ID-number	6.2.4.3
Name	The energy efficiency programme as an energy management system
Date	1992
Type	Energy Management at county level
Language	English
Developer	Storstroem County, Denmark
Contact Data	SURBAN, the database on Sustainable urban development in Europe: www.eaue.de/winuwd/71.HTM European Academy of the Urban Environment: www.eaue.de/

Description

The Energy Efficiency Programme for public buildings and facilities in the Danish county of Storstroem consists of an **energy management system**, which is designed to continually optimise heating and ventilation system operations. Through large-scale investment in automatic control systems and co-ordinated planning and targeting, the annual CO2 emissions for Storstroem were reduced by 30% and the consumption of heat by 24% between 1985-1994.

In 1984, the Storstroem County Council decided to work out an energy efficiency programme, which comprises all the properties of the county, totalling some 450,000 m2 and a workforce of some 9,000 employees. The energy efficiency programme can be characterised as individual energy management for the participating institutions. The energy efficiency programme aims to provide the following data for further energy planning:

- Systematic surveillance and registration of the use of energy;
- Analysis of the consumption and comparison with the energy budget for each unit;
- Indications on possible changes in the technical system;
- Indications on possible changes in the operation management.

Outstanding features of the programme are:

- Model of a systematic planning and implementation approach in the field of energy saving;
- Model of institutionalised feedback mechanism between the single facility and the district authority.
- Model of individual consultancy and training;
- Model of profit sharing, as 25% of saved energy costs are allocated to the budgets of the facilities involved as an incentive for co-operation.

The County of Storstroem, Denmark consists of 14 municipalities with a total population of 257,000.

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