

WEST DUNBARTONSHIRE COUNCIL

Report by Director of Housing, Regeneration and Environmental Services

Community Safety and Environmental Services Committee: 3 May 2006

Subject: Energy Efficiency Review Update

1. Purpose

- 1.1** To advise the Committee on progress with general energy efficiency issues relating to Council buildings and on the projects and initiatives under development by the Corporate Energy Team (CET) and Home Energy Conservation Act (HECA) Officer.

2. Background

- 2.1** Energy Efficiency Review is one of several projects included on the Council's Efficient Government Strategy. The Council is committed to tackling fuel poverty, reduce energy demands and carbon emissions, and using renewable energy sources.

3. Main Issues

- 3.1** A water conservation project funded by Education and Cultural Services for the installation of water saving devices in thirty schools is now complete. The sites will be monitored over the coming months to confirm the levels of savings achieved.
- 3.2** The water conservation project at Rosebery Place is now complete and the projected savings are £13,300 per year for an investment of £2,700. A forty seven percent reduction in water usage has been achieved.
- 3.3** Eight projects financed by the Council Energy Efficiency Fund (CEEF) are now complete apart from minor snagging at two locations. As these projects have only recently been installed, it is not yet possible to confirm the levels of savings which will be achieved however the largest project at the Meadow Centre seems to be on course to save in excess of £18,000 per year.
- 3.4** Projects that are being considered for next year include pipe and loft insulation for seventeen schools, lighting controls for primary schools and heating controls for electrically heated buildings. The CET are also looking at those properties that do not have water meters so that they can be benchmarked to find out if there are potential savings to be made. The project for draught proofing the windows at Council Offices Garshake is carried on to 2006/2007 due to health and safety reasons.

3.5 By spending at least half of the 2005/2006 CEEF allocation of £195,000 by 31 March 2006, the Council has met the Scottish Executive's terms and conditions for the release of a further tranche of CEEF finance amounting to £105,000.

3.6 Initial discussions have been held with the Science Resources section of Education and Cultural Services regarding the possible construction of a wind turbine within the grounds of a school. It is hoped to arrange a visit to a school in another authority where a wind turbine is already in place along with various other renewable energy projects.

4. Financial Implications

4.1 The total cost of CEEF projects completed to date is £113,499. This expenditure was met in full from the Council's CEEF allocation.

4.2 As projects are completed and become operational, it is possible more accurately to estimate the total annual energy efficiency saving which is likely to be achieved by the CEEF projects listed in the appendix. For completed projects and based on current energy prices, the figure is now estimated to be approximately £32,000 per year which, in environmental terms, represents an annual emissions reduction of around 295 tonnes of CO₂.

5. Personnel Issues

5.1 There are no personnel issues.

6. Conclusion

6.1 On receipt of the 2006/2007 allocation, the balance available to progress CEEF projects will be approximately £190,000.

7. Recommendation

7.1 **The Committee is invited to note the content of this report.**

David McMillan
Director of Housing and Technical Services
Date: 24 April 2006

Wards Affected: All

Appendix:

CEEF Projects Update

Background Papers:

Report to CS & ES Committee on 1 March 2006 entitled "Energy Efficiency Review Update"

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