

Recycling savings as well as energy!



The Council is recognised as the most energy efficient local authority in the UK with the highest score ever under the Institute of Energy's Energy Efficiency Accreditation Scheme. The Council has already achieved an average National Home Energy Rating of NHER 8 for its public sector housing stock and is now aiming to increase this still further to NHER 9.

Woking Borough Council's energy efficiency and environmental projects have resulted in savings of nearly **£4.0M** for the Council over the last ten years, as well as savings for householders living in the Borough. The authority has achieved its five year target to reduce energy consumption by 20% in just four years and implemented a new target to reduce energy consumption by a further 20% in 6 years: a total of a 40% target reduction between 1991/92 and 2001/2002.

SUMMARY OF ENERGY, ENVIRONMENTAL AND FINANCIAL SAVINGS (1991/92 TO 1999/2000)

Energy consumption savings	118,864,195 kWh	36.9% saving
Carbon Dioxide CO ₂ emissions savings	64,310 tonnes	56.6% saving
Nitrogen Oxides NO _x emissions savings	233.4 tonnes	60.3% saving
Sulphur Dioxide SO ₂ savings	677.7 tonnes	58.8% saving
Water consumption savings	267,157,000 litres	43.3% saving
Savings in energy and water budgets	£3,956,187	34.0% saving

The above savings are for corporate property and housing stock, where the Council pays the energy and water bills, and exclude Council tenant savings brought about by the Council's Housing energy conservation and CHP programmes.



Recycling Financial Savings

The Council operates an innovative energy efficiency recycling fund, where financial savings achieved by energy and water efficiency projects are ploughed back into the capital fund creating an ongoing recycled capital fund (ESCO finance model). This has led to a total investment of **£2.2M** in over 85 projects in the last nine years from the original capital fund of **£0.25M** established in 1990/91 (the base year). The recycling fund has

enabled savings of nearly **£4.0M** over the same period to be made, resulting in current annual savings of nearly **£700,000 a year**.

Recycled savings and the Thameswey Initiative

The Council is using the balance of its energy efficiency fund to acquire equity in Thameswey Ltd. Thameswey Ltd., will acquire 19% of the equity in Thameswey Energy Ltd. The company will finance each project on the basis of 20% by equity and 80% by loan finance. This means that for each £38,000 investment made by Woking Borough Council (through Thameswey Ltd.), it achieves £1,000,000 in total project investment. The innovative funding mechanism for each project uses the Council's own energy efficiency financial recycling fund as a model. The financial returns achieved by Thameswey Ltd are retained to further its objective of improving the environment in the Borough of Woking.

Thameswey Initiative

Thameswey Ltd., is an Energy and Environmental Services Company or EESCO wholly owned by Woking Borough Council which enters into public/private joint ventures to deliver its energy and environmental strategies and targets (primarily energy, tackling fuel poverty, water, waste and green transport).

Thameswey Energy Ltd., is a public/private joint venture Energy Services Company or ESCO between Thameswey Ltd., and ESCO International A/S which is wholly owned by Hedeselskabet Miljo og Energi A/S, a Danish green energy company.