


London Energy Efficiency Ltd.

London Energy Efficiency Ltd., based at the University of East London, is an independent energy consultancy with over 17 years' experience in providing advice on energy and sustainable technologies to enterprises, both public and private, within a wide area of London. Originally one of the network of UK government funded Energy Saving Trust Advice Centres set up in 1993, we have substantial experience in all aspects of energy efficiency and environmental issues and over these years have helped more than 200 enterprises of all types save money on their fuel bills. We have also assisted over 200,000 residents in improving energy efficiency in their homes.



Greenwich Energy Advice Centre launch. John Austin Walker, MP.

Our expertise:

-  *Working with Local Authorities, Housing Associations, the NHS Trust including funding assistance, home visits and domestic sector advice*

- ✚ Recycling, waste minimization, water savings
- ✚ Surveys and installation supervision of premises for renewables (photovoltaic/solar hot water systems, wind power)
- ✚ Inefficient lighting replacement with modern energy efficient systems
- ✚ Computer network efficiency
- ✚ Bid writing and in-house company energy efficiency/environmental training
- ✚ ISO 14001 accreditation and Environmental Management Systems
- ✚ Setting up and manning exhibitions
- ✚ Carbon footprinting
- ✚ Loft/cavity wall insulation
- ✚ Damp and mould treatment



Loft Insulation, tank lagging, damp treatment, cavity wall insulation

Whiston & Goldsmith "Green Estate" Pilot Project



LEEL has worked with Hackney Homes and other partners on the Whiston and Goldsmith Estate in a "Green Estate" project with the aim to tackle the ongoing "fuel poverty" problem in many London Boroughs. Residents were involved in an initiative to reduce their energy consumption and save money on their fuel bills. As a typical estate, the experience gained in this project can be extended to other estates throughout London.

Energy efficiency measures:

- ✚ Gas and electricity bills were collected before the project began and after for comparison purposes
- ✚ Energy monitors were distributed to residents to check energy use
- ✚ Power Down devices were given to residents to reduce computer energy use – the computer also switches off peripherals when not in use
- ✚ Low energy light bulbs were supplied to residents who chose to benefit from the above two energy saving devices
- ✚ Water savings – Hippo water saving bags for cisterns given to residents
- ✚ Energy efficiency advice and completion of Home Energy Check forms
- ✚ Boilers more than 20 years old were replaced
- ✚ Loft insulation was provided where necessary
- ✚ Draught-proofing of windows and doors
- ✚ Solid wall insulation

The estate was also assessed as to the viability of renewable technology - solar PV systems, wind turbines and heat pumps.

Working with Local Authorities

- ✚ Greenwich, Hammersmith & Fulham, Bexley, Hackney. Tower Hamlets, City of London, Kensington and Chelsea, Westminster

We have been working for many years with the London Boroughs of Greenwich, Hammersmith & Fulham, Bexley and Hackney and other Boroughs.

Within Greenwich we have been providing energy efficiency advice and installing evacuated tubes and solar hot water systems for elderly residents. Also thermography studies were carried and HECA duties (Home Energy Conservation Act) over the period 1995 - 2007.



Pari Barbour receiving the 1996 HECA Award from the Energy Minister

Hammersmith and Fulham

Within H & F our aim has been to target residents in need of refurbishing their heating to energy efficient systems and install loft insulation. An Officer would identify homes with high fuel bills, a survey would be carried out and cavity wall insulation, loft insulation, draught proofing and boiler changes made. Both the private sector and Council properties were considered in this Borough.



City of London

Within the City of London LEEL has been carrying out exhibitions to in various locations to publicise energy efficiency.



Home visits to Hackney residents



Exhibition work



Exhibition work and training carried out by LEEL

Similar work has been ongoing over the years with other Local Authorities.

Working with contractors

LEEL has assisted Local Authorities in selecting accredited contractors in specialized areas such as supply/installation for:

- ✓ PV, Solar Hot water, Wind turbines
- ✓ Geothermal, Lighting, Heating
- ✓ Insulation, Cavity wall insulation, Glazing, Green roofs

Training

LEEL has also provided training in energy efficiency to Local Authorities, for instance on how to reduce energy consumption and carbon footprinting and has also worked with Housing Associations and Colleges.

EU grants to LEEL and Government funding

LEEL has been very successful in securing funding from the European Union to assist Local Authorities and businesses and we aim to expand operations in this area so that more Authorities and schools can benefit from our services.

Businesses

In particular we have secured ERDF finance (European Regional Development Fund) to assist SMEs. This work involves:

- ✓ Energy auditing of businesses who qualify as SMEs - a free 2 day or 5 day package is offered
- ✓ Survey of heating, lighting, insulation, ventilation, air conditioning, networked computers and water systems
- ✓ Recommendations being issued on the basis of a detailed report

Experience shows that energy costs in the average business can often be reduced by about 10 to 20%, by simple measures.



With Councillor Rajwant Sidhu at printers

Local Authorities

LEEL has specifically secured approx. £3 million for Local Authority funding for cavity wall insulation, draught proofing, loft insulation, energy efficient boilers, energy advice to residents and fuel poverty.



Sustainable Energy 2009 Green Housing Estates Program - SEU 2010

School lighting case study

LEEL continuously works with specialist contractors, including lighting, to achieve energy efficiency savings. Savings of £12,900 and 51 tonnes of CO₂ were achieved by one of our specialist contractors in St. Peter's Catholic School of Guildford, Surrey.

A LEEL Officer will be able to visit any premises and carry out a comprehensive lighting survey. It may also be possible to access the Carbon Trust 0% Loan Scheme and LEEL will be able to advise on this.



St Peter's School

LEEL services:

- ✚ Comprehensive lighting survey and funding applications
- ✚ Low interest loans available and installation supervision
- ✚ Comprehensive report detailing electricity/carbon savings



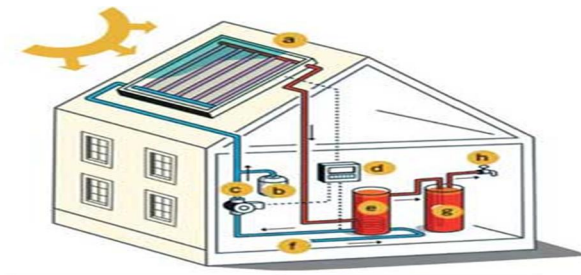
Hybrid cars-possible future for transport



Advertising by LEEL



Solar PV systems



Solar Hot water systems

Contact: London Energy Efficiency Ltd.

The Knowledge Dock

University of East London

4-6 University Way

London E16 2RD

+44 (0) 208 223 7255

+44 (0) 207 538 8401

+44 (0) 788 534 5476

Cypress DLR for the UEL Campus

e: pari@leeff.co.uk, enquiries@leeff.co.uk

w: www.leeff.co.uk

