

## CASE STUDY

### Taking energy efficiency further - Ecology Building Society's eco-build

**Ecology Building Society** was founded to support ecological building practices and offers mortgages for new eco-builds, renovations and energy efficient refurb. The management team live by their values; their national office based in Silsden, Yorkshire is an eco-build, designed to have an airtight structure, high levels of insulation and low energy requirements. Their energy efficiency measures include solar PV, solar thermal, LED lighting, a heat exchanger and high efficiency boiler.

As a leading member of Investors in the Environment (IIE), Ecology has achieved the highest level "Green" accreditation.

Chris Rickerby (Risks and Ethics Manager) told us

“Accreditation means always pushing ourselves to go further Ecology are committed to finding 2% energy saving year on year. Before we met Greengage IT we were asking ourselves “Where are the next energy savings going to come from?”

## THE CHALLENGE

Chris and the IT team suspected that their internal IT was making a major contribution to their energy bills, but needed clear visibility of this. And creative recommendations on how to reduce it.

That's when Ecology called in Greengage IT, to provide expert knowledge and practical ideas on how to reduce their IT energy use.

Greengage IT worked with Chris and the team to gain an understanding of Ecology's building, IT systems and strategic priorities, and to audit their in-house IT equipment. We plotted monthly and annual trends, for daytime and nightly building energy use, identifying trends and the contribution of IT.

## AUDIT OUTCOME

Greengage IT were able to confirm Ecology's suspicions – *ICT was responsible for a whopping 71% of daytime energy use, and 97% of night time energy use.*



## THE SOLUTION

Greengage IT provided a number of recommendations ranging from building use and engineering to IT initiatives, and covering use of waste heat, UPS upgrade, energy management tools, IT procurement recommendations... The Greengage recommendations complemented Ecology's existing IT strategy, and many of them could be carried out by Ecology themselves.

Major changes are now afoot as Ecology migrate their servers into an energy-efficient data centre.

After this, further recommendations will be followed to reduce the energy consumption of the IT remaining in the building.



EBS HQ including solar panels

“ Greengage IT helped me get a handle on the intractable problem of IT energy use. They opened up a dialogue across Facilities and IT and gave us visibility of what was going on. Then they came up with a wide range of novel, creative and practical recommendations, exactly what we were looking for. IT now offers us new opportunities for meeting our energy reduction targets.”

Chris Rickerby, Ecology Building Society Risks and Ethics Manager

### Greengage IT: practical solutions for reducing IT energy use, outside the data centre

- Audit of building/estate IT energy use
- Discovery service - realtime visibility of IT energy use
- IT energy monitoring, analysis and reduction
- Regulatory compliance - Reporting to support ISO50001, ISO14001 and ESOS
- Green IT Maturity model

For more information, please contact us at [info@greengageit.co.uk](mailto:info@greengageit.co.uk)

