

# energise

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Tackling the threat of climate change and ending the misery of cold homes

## A solid wall insulation scheme that tests the thinking behind the Green Deal and Energy Company Obligation (ECO)

The success of the Government's Green Deal (launching any day now) depends, among other things, on the viability of the finance mechanism on which it is based. This allows householders to avoid the upfront costs of expensive energy efficiency improvements to their homes by paying for them through the savings that they make on their energy bills.

But will this be enough to 'revolutionise' the energy performance of the UK's housing, as the Government intends?

CSE is currently running two projects in Somerset that will test the popularity and workability of the Green Deal theory.

Both projects offer people the chance to access funding to install solid wall insulation in their property. This combines an innovative 'pay-as-you-save' scheme with grant funding which means that residents won't have to pay anything upfront.

CSE's Head of Household Energy Services, Phillip Morris, explains why the project could be very revealing:

"These projects will offer valuable insights into how the finance mechanism works in practice. In addition, they'll also tell us a lot about managing a local Green Deal scheme – from building relationships with local installers and marketing the scheme, through to managing the customer journey. For us, guiding more vulnerable households through the process will be a particularly important focus."

**These projects are run in partnership with Scottish & Southern Energy and the district councils of Sedgemoor, South Somerset, Taunton Deane and West Somerset. The pay-as-you-save finance is provided by Wessex Home Improvement Loans ([www.wessexhil.co.uk](http://www.wessexhil.co.uk)). For more information, see [www.cse.org.uk/swhe](http://www.cse.org.uk/swhe).**



A solid-walled house in Somerset receives external insulation. The disruption is relatively minimal and the finished surface is attractive and ready for painting

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PHOTO: AETIC/NEIL TINGLE

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Energise is produced a couple of times a year and distributed free. To request a copy email us at [newsletter@cse.org.uk](mailto:newsletter@cse.org.uk)

## CSE keeps energy advice line open (and free) in Bristol and Somerset

From April 2012, CSE has been operating a new local freephone service offering free energy advice to residents across Bristol and Somerset. This service replaces the one previously managed by CSE on behalf of the Energy Saving Trust (EST).

CSE's Chief Executive, Simon Roberts, explained the reasons for this move.

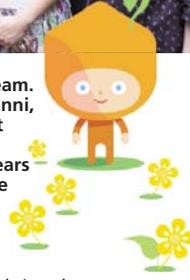
"We've been providing free, local and impartial energy advice for more than 25 years. We believe an energy advice line steeped in local knowledge and expertise is essential to help local people keep their homes warm and their energy bills down. It's the lynchpin of local efforts to cut carbon emissions."

Previously CSE was one of many local organisations participating in the EST's national energy advice helpline. But when, in March 2012, government funding was withdrawn, the helpline was closed.

"We are pleased we will be able to continue to provide expert, local knowledge about all sorts of home energy



Above: CSE's energy advice team. From L to R: Paul, Heather, Danni, Jess, Jamie, Natalie. And meet 'Househead' (right), a kind of mascot to the team who appears on the domestic energy advice section of our website and other materials



requirements," Simon explained.

Along with free advice on energy efficiency, callers from Bristol and Somerset can also get information about grants for heating improvements and insulation – from basic loft insulation to more complex solid wall retrofitting – plus advice on receiving the right benefits.

### New freephone 0800 082 2234

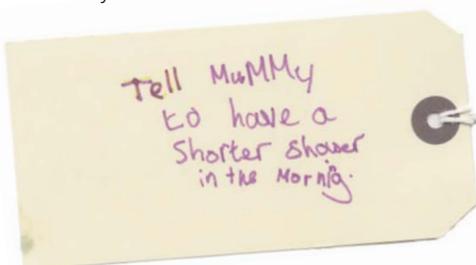
Funding for the new advice line is provided by our neighbouring local authorities: Bath & North East Somerset, Bristol, Mendip, North Somerset, Sedgemoor, South Somerset, Taunton Deane and West Somerset.

We've updated the domestic energy advice section of our website: [www.cse.org.uk/advice](http://www.cse.org.uk/advice)

And CSE's Home Energy Team is on Twitter: [@cse\\_homeenergy](https://twitter.com/cse_homeenergy)

### Shower stopper

Bristol's annual Festival of Nature is one of the city's big events, attracting thousands of people to the harbourside area to enjoy displays, stalls and performances around the theme of nature and the environment. Our Home Energy Team attends every year, and this time we asked children to tell us what they were going to do to save energy. Of the 70 entries, our favourite is this one from seven-year-old Grace ...



[www.bnhc.org.uk/home/festival](http://www.bnhc.org.uk/home/festival)

### Seeing is believing



We designed these 1:2 scale models of wall insulation types for our own outreach, but they've proven so popular that we've since sold sets to a dozen community groups for engaging with the public around local energy efficiency programmes. From L to R: solid wall insulation (internal); cavity wall insulation; solid wall insulation (external).

## May The Source be with you

CSE's favourite guides and tools for community energy, all in one place ...

For community groups thinking about an energy project, such as a solar or energy efficiency scheme, it can be time-consuming to find your way through the plethora of material out there. Until now, that is.

Launched in June 2012, CSE's new website, **The Source**, brings together all of our favourite guides and tools for community energy into one easy-to-navigate website.

It contains what we think are the best guidance, toolkits and resources to help community groups develop, set up, manage, and run their own energy projects. All are free to download and share.

"It's intended to be a source of inspiration," explained Rachel Coxcoo, CSE's Head of Local and Community Empowerment. "There's lots of information out there – some good, some not so good. Using our experience of working with scores of communities on successful energy projects, we've selected the best stuff and made it available in one place."

Lots of the material on The Source is from CSE, but there is plenty there by others as well. "This is an evolving website and we want to ensure it always offers the best and most up-to-date – if you think we're missing something, let us know," added Rachel.



The Source: a font of inspiration to community groups  
[www.cse.org.uk/thefsource](http://www.cse.org.uk/thefsource)

# Wimbledon:

## working from the baseline



PHOTO: AELTONEIL TINGLE

In 2009 CSE undertook an **energy and carbon reduction audit** at the All England Lawn Tennis Club, or 'Wimbledon' as it's commonly known. One of the tasks then was to establish a baseline for energy consumption, against which planned improvements in energy efficiency could be measured.

And like the strawberries and cream, the Pimms, the umbrellas, and indeed the players themselves, we were back at Wimbledon again this year.

The purpose of this return match was to assess the progress made, to look at other ways that the Club could cut its carbon footprint, and to see what opportunities there are for staff engagement in the Club's energy-saving efforts.

Nick Banks was pleased with the progress that has been made. "Our audit showed that the Club's carbon footprint has gone down by between 2 and 3 per cent."

The bulk of Wimbledon's energy use is accounted for by the frenzied fortnight in June/July when 35,000 people a day visit the Club.

"For many organisations that run this kind of operation, saving energy would be so low a priority as to be virtually

irrelevant," said Nick. "So it is to the Club's credit that sustainability is very much on the agenda, even during the championships when the focus is on delivering a world-class event without a hitch."

CSE's recommendations from 2009, which included improved boiler control and the installation of electricity sub-meters, have mostly been implemented.

Where the current work goes further is in the area of staff engagement.

"We proposed a range of options for helping staff become involved in the Club's sustainability drive and reduce their own carbon footprint, for example by exploring alternative commuting options," said Nick.

"And we're exploring the option of providing some in-house training and helping establish a programme of 'staff energy champions'."

And like last time, the 2012 audit looked at both the energy use over the course of a full year, and the energy use during just the championships fortnight itself. Reductions in the Club's carbon footprint was evident in both periods.

The other similarity between 2009 and 2012? Ask Roger Federer.

# CSE's 'Housing Assessment Model'

## bears fruit when used for LEAF reports

Fourteen community groups across the UK were set on the path to new energy efficiency or renewable energy projects earlier this year, after CSE provided a series of detailed and bespoke assessments of each area's housing and renewable energy potential.

Groups in Cornwall, Somerset, Bristol, Gloucestershire and Lincolnshire can now use their comprehensive reports to assess the energy efficiency of their housing stock, and the feasibility of their neighbourhood for wind, biomass, solar or district heating projects.

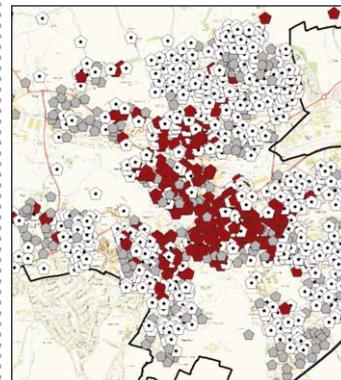
Funding for the reports came from the Department of Energy and Climate Change's **Local Energy Assessment Fund (LEAF)**. LEAF was a pot of £30 million designed to boost 'community green schemes' and public sector energy efficiency.

### 'Housing Assessment Model' proves its worth

The methodology used for the local energy assessments (i.e. the way in which local housing stock data is analysed) is CSE's own, and proved extremely robust.

The 'Housing Assessment Model' generates a full dataset linked to address-point data for a specified geographical area, using a range of data inputs. For every property in the dataset the model produces a baseline assessment of household energy consumption, CO<sub>2</sub> emissions, fuel costs and the SAP rating. It then calculates the best combinations of energy efficiency and renewable energy measures that could be applied to improve the thermal efficiency and sustainability of the housing stock.

The results provide an excellent basis for community groups to identify options and opportunities for developing future projects and schemes to reduce their community's carbon footprint.



We used our mapping expertise to produce visualisations of the data that the Housing Assessment Model generated. The detail above shows 'wall types' in Taunton: cavity (filled), cavity (unfilled) and solid

For more details on how we supported community groups with LEAF funding see [www.cse.org.uk/leaf](http://www.cse.org.uk/leaf)

### Who we worked with:

These groups received funding from LEAF and engaged CSE's support: Transition Town Taunton, Polperro United Renewable Energy, Quantock Eco, Fillongley Carbon Reduction Club, FloW Community Energy, Low Carbon Gordano, Bedminster Energy Group, Future Fit Bristol, Barcombe Community Energy, Transition Town Cheltenham, Transition Town Louth, Easton Energy Group, Transition Montpellier, Windmill Hill City Farm

We also supported the following with consultation and provision of training: Bristol Green Doors, Guildford Borough Council, Greening Alton & Hollybourne, Transition Town Marsden & Slaithwaite, Energy Efficient Widcombe, Southern Staffordshire Community Energy, Transition Wimslow

# 'Investment-ready in 18 months'

CSE mentoring will help bring seven promising community energy projects to the point where they are 'good to go'

**S**even community groups across the UK received a huge boost to their plans to develop sustainable energy projects when in June they were named winners of the Community Energy Challenge, a competition initiated by The Co-operative.

What each group has won is the chance to turn its idea for local, renewable energy generation into a technically robust, financially sound and locally supported proposal that is 'investment ready'. This will be done through 12-18 months of valuable enterprise development and support, most of which will be provided by CSE with input from The Co-operative Enterprise Development Hub.

The Community Energy Challenge was designed to identify and support 'replicable community energy schemes that demonstrate a range of technologies and the benefits of community ownership'. And size mattered too, with the focus on projects of between £1m and £3m in value and/or rated in excess of 500kW, though some of the chosen initiatives are smaller than this.

In other words, the Challenge is looking for 'game-changers': a set of projects that will change the profile of community-based energy schemes for good.

Martin Holley is CSE's project manager.

"We're looking forward to adding our technical know-how along with our expertise in project planning, community facilitation and enterprise development to



some well thought-through and exciting projects.

"We'll also be in a position to provide targeted assistance for key costs at the project development phase, such as legal fees, planning fees, ecological monitoring and site analysis."

CSE's support for these groups has already begun and will run until the end of 2013. Some of the project proposals are embryonic, but others are relatively advanced. In all cases, however, the selection panel believes that, with CSE's input, the seven projects could be 'good to go' by the end of the 18 month period.

For more information, see [www.cse.org.uk/communityenergychallenge](http://www.cse.org.uk/communityenergychallenge)



## The selection process

CSE managed the application process that identified the seven best projects to support.

**Stage 1** Groups were invited to submit an expression of interest which briefly outlined the proposed project and how it might benefit the wider community. We were looking for potential and ambition at this stage, not well-developed initiatives or technical know-how. Over 120 groups submitted an expression of interest.

**Stage 2** Of these, 30 proposals – those with most promise in respect to the co-operative nature of the project, the renewable resource availability, and evidence of broad community support and involvement – were invited to submit a full bid.

**Stage 3** The strongest ten were selected to present their proposals to an interview panel made up of energy and community experts at The Co-operative Group's headquarters in Manchester in May 2012, with the seven winners announced in June.

## Meet the groups that could change the profile of the community energy sector

**Brendon Energy** will be working with local people to find the best site, or sites, for a small number of medium-sized wind turbines in the ten parishes around Wiveliscombe in Somerset.

Partnering with the National Trust, the **Abergwyngregyn Regeneration Company** is

investigating the viability of a hydro project on the Anafon River in Gwynydd (pictured).



**Towards Zero Carbon Bute** aims to explore and develop community-owned energy projects that give local people a say in the generation of energy while delivering wider social and environmental benefits.

**Sustainable Oakenshaw** in Co Durham is looking for the widest community ownership possible in an energy project that earns income for the local community to further invest in improving the area.

**Transition Belper** wants to explore and develop community-owned hydro power projects in the Derwent Valley World Heritage corridor.

Surrey-based **Wey Valley Woodfuel** intends to raise capital through a community share issue to fund biomass boilers for local schools, churches and leisure centres.

**M40 Chilterns Environmental Group** has proposed an innovative scheme to tackle noise on a 20 mile section of the M40 and generate energy through use of photovoltaic-enabled noise barriers.



Photos: far left, Brendon Energy launch their successful solar share issue; above left, the River Derwent where Transition Belper hope to site a community-owned hydro turbine; above, panels on a noise barrier in Austria ([www.gehrlicher.com](http://www.gehrlicher.com))



## Targeted energy advice in Bristol

The Maandeeq Centre is a popular location for Bristol's Somali community and was the venue for a very well attended 'draught-busting' learning event that CSE ran for around 30 Somali women in February 2012.

The two-hour training session covered heat loss, insulation and draught-proofing – issues which the Somali community is keen for more information about.

"Many Somalis haven't grown up with things like damp and condensation," explained CSE's Lisa Evans, "and learning ways to tackle these problems is popular, as is help with issues like fuel bills, tariffs and reading meters, particularly for those who don't speak English."

Mogadishu-born Yusuf Salah (inset), works closely with CSE's energy advisors,



and was on hand to interpret throughout.

The session included practical demonstrations of draught-proofing products like door brushes and letterbox seals, and each attendee was given samples to take home and fit themselves. And afterwards everyone enjoyed a traditional Somali lunch provided by the Tropicanna restaurant downstairs.

Under Bristol City Council's adult and community learning fund, CSE has conducted a number of training sessions for adults across Bristol, all of which particularly focus on adults who are currently not involved in any other learning activity.

**More details of Warming Bristol Communities at [www.cse.org.uk/wbc](http://www.cse.org.uk/wbc)**



### Improving the energy efficiency of just a single house is one thing ...

But how do you improve the efficiency of hundreds? Or even thousands?

This is something that Curo (formerly Somer Housing Group) is now considering after CSE undertook a full assessment of the options for energy efficiency improvements at the 11,000 properties they manage in and around Bath and Bristol.

After assessing and validating the SAP ratings of Curo's entire housing stock (which includes Grade I and Grade II properties), and modelling energy demand and expenditure at an individual building level, CSE's Ian Preston said: "Our findings have shown the steps Curo should take in order to reduce emissions and protect their tenants from rises in energy prices."

Read more at [www.cse.org.uk/curo](http://www.cse.org.uk/curo)

## Over 60 community buildings to enjoy benefits of energy efficiency measures

Insulation, smart-lighting and other improvements paid for by the CSE-administered 'Western Power Distribution Community Chest'

Roof insulation for Chilcompton Village Hall; heating controls for Axbridge Town Hall; loft insulation for Farnborough Sports and Social Club; more efficient lighting for Ilminster Art Centre.

These are just a few of the energy efficiency improvements made by over 60 community groups using money from the Western Power Distribution Community Chest.

This fund, set up and run by CSE, is designed to improve the comfort and cut the energy demand of village halls, scout huts and other community buildings through simple upgrades to the building fabric or appliances.

Through the Community Chest, now in its second year, CSE handed out more than £50,000 in grants to 66 village halls, scout huts and other similar community buildings in WPD's operating area of South West England, South Wales and the Midlands.

Alex King is the manager of the Mount Batten Centre in Plymouth, a not-for-profit watersports and activities centre, some of whose members are shown below.

"The WPD grant has allowed us to install occupancy sensors that turn lights off when there's no-one around. This provides a safe environment for our school groups and other users, while saving us money and helping the environment."

Read more at [www.cse.org.uk/wpdcc](http://www.cse.org.uk/wpdcc)



# National Heat Map

## Welcome to the 'future of energy mapping'

A new website, built by CSE for DECC, uses state-of-the-art information technology to support low-carbon energy developments

“The National Heat Map (NHM) represents a big step forward in the use of the web to provide intelligence and support for the development of local energy projects,” said Joshua Thumim, CSE’s Head of Research and Analysis.

“It combines a very detailed geographic model of energy use with visualisation and reporting tools, and provides sophisticated GIS functionality to non-technical users via a

standard web-browser. We think it’s the future of energy mapping.”

Free to use and publicly accessible, the NHM, which was developed by CSE and is funded by the Department of Energy & Climate Change, can generate high-resolution maps of heat demand for any geographical area in England.

It is designed to help local authorities, engineering firms, developers, community groups and other users identify locations

where heat distribution projects like district heating schemes are likely to be viable.

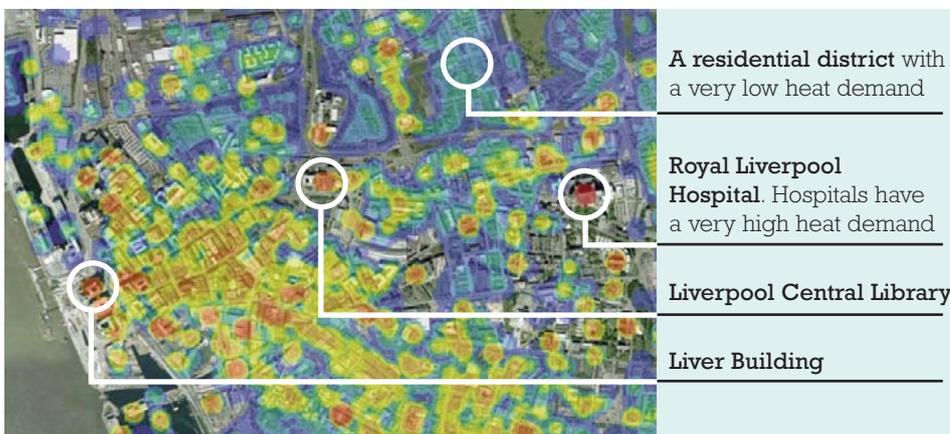
What makes it particularly useful is both its detail – it uses modelled estimates of annual heat demand for every address in England, allowing the user to investigate energy use patterns at the level of individual buildings and streets – and the tools that are provided for analysing this information.

With the exception of public buildings, the heat map was produced entirely without access to the meter readings or energy bills of individual premises, so contains no personal information whatsoever.

The National Heat Map is best viewed using Firefox, Chrome, Safari or Internet Explorer (version 7 or higher). It is hosted by DECC at <http://ceo.decc.gov.uk/nationalheatmap>.

Read about how the heat map was built at [www.cse.org.uk/heatmap](http://www.cse.org.uk/heatmap)

We’re very interested in receiving feedback from users of the heat map. Email [joshua.thumim@cse.org.uk](mailto:joshua.thumim@cse.org.uk)



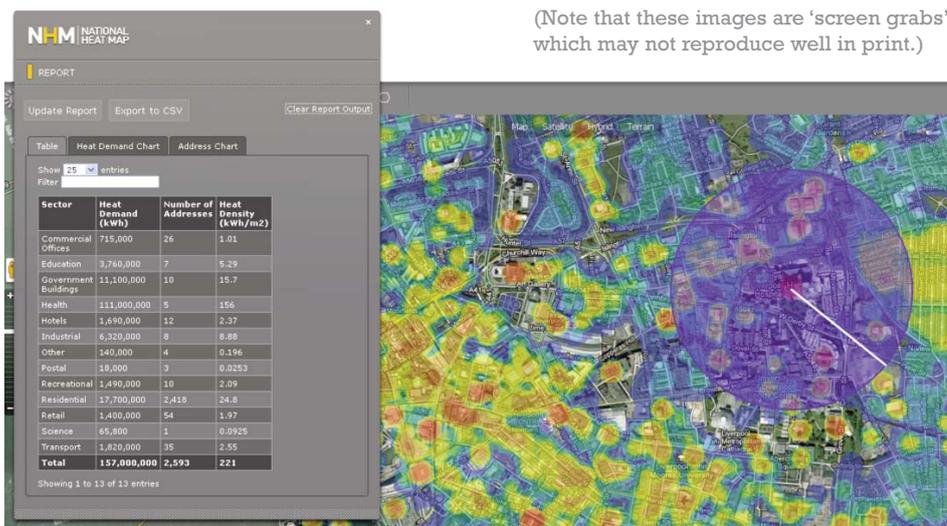
### National Heat Map in action: heat demand in central Liverpool

The image on the left shows areas of high heat use (red) and low heat use (blue). Three particular hotspots have been circled.

In the image below, the Heat Map user has drawn a radius around one of these hotspots, the Royal Liverpool Hospital, and brought up a report that lists all the buildings in the shaded area by sector (7 educational facilities, 12 hotels, 2,418 residential properties, etc). This could help a developer identify premises whose ‘heat demand’ profile complements that of the hospital.

Below, part of one of several control panels that give the National Heat Map its unique usability. This one allows the user to select public, commercial, industrial and residential heat density for the area under investigation.

(Note that these images are ‘screen grabs’ which may not reproduce well in print.)



## CSE Chief Executive's new role at Triodos Renewables

Our Chief Executive, Simon Roberts, has been appointed as Chair of the Board of Triodos Renewables Plc. Simon will carry out the non-executive post alongside his role at CSE.

With 4,800 shareholders, Triodos Renewables is the most 'owned' renewable energy investment company in the UK. Through a series of six public share issues since its launch in 1995, the company has built the UK's largest community of individual shareholders investing together in renewable energy.

Triodos Renewables owns and operates nearly 40 megawatts (MW) of wind and hydro projects around Great Britain, with a further 15MW of projects in the pipeline.

Simon welcomed his new non-executive role. "Triodos Renewables has a vital purpose – enabling people to take a genuine and rewarding financial stake in a growing portfolio of renewable energy developments across Great Britain. Its aims

align really well with CSE's work to engage people and communities with their energy sources and use. I'm thrilled to be appointed as Chair of the Board of Directors and look forward to helping the company grow and thrive, delivering sustainable energy to the grid and sustainable returns to shareholders."

Simon has been a non-executive director of Triodos Renewables since 2009 and was the company's Managing Director between 1999 and 2002 before moving to CSE.

[www.triodos.co.uk](http://www.triodos.co.uk)



Simon took over from Charles Secrett as Chair of the Board of Triodos Renewables, following the company's AGM in June 2012

### RTPI award for Low Carbon Bath



**Take a bow, Rachel Coxcoo.** CSE's Head of Local and Community Empowerment is seen here accepting the Royal Town Planning Institute's Sustainable Communities award at a ceremony in London.

CSE won the award for **Low Carbon Bath**, a ground-breaking initiative, run in partnership with the Bath Preservation Trust (BPT), that engaged the local community in the planning process in the unique and sensitive context of a World Heritage site.

"We are delighted to receive this award," said Rachel. "It shows the RTPI recognised the manner in which, through this process, so many people became engaged with planning issues and came to understand how planning affects them personally."

The RTPI's National Planning Awards took place in February 2012, and the picture shows Rachel (centre) with Colin Haylock, president of the RTPI, Alison Nimmo, chief executive of The Crown Estate which sponsored the award, and BPT's Caroline Kay.

You can download the guidance on retrofitting heritage properties that CSE developed for Low Carbon Bath from [www.cse.org.uk/lowcarbonbath](http://www.cse.org.uk/lowcarbonbath).

RRN	RELATED_RRN	ISSUE_DATE	ORGAN
1-7580-1170-8092	1720-7058-0288-7910-3010	31/12/2008	Mount Pl
1-2550-9602-5092	1720-5055-0258-2960-7094	31/12/2008	Newingtr
0-888-0790-8901	1999-7722-8820-9890-6803	31/12/2008	Northcot
0-118-8020-4054	1720-4020-0218-8920-4050	31/12/2008	Ocklyng
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18-2900-2050	1980-0228-2070-5972-9092	31/12/2008	Wold Primary
1-2309-0096	1720-1010-0278-5930-7020	31/12/2008	Woolton Hill J
4602-4096	1384-2062-0982-0993-0475	30/12/2008	
3901-1090	1999-2002-0785-0191-0171	30/12/2008	
0192-9101	1992-0128-3750-9072-1092	30/12/2008	Roads Seconda
8261-9044	0404-7926-2620-0990-2813	30/12/2008	Roads Seconda
18-2890-2050	1986-2092-0583-0093-0475	30/12/2008	
1990-8801	1630-2032-0688-0990-0871	30/12/2008	The Walsall Aca
040-9050	1720-7031-0258-0690-3803	30/12/2008	Ainthorpe Prim
090-0871	1920-0028-8950-4172-8092	30/12/2008	Alderman Leach
930-9014	1981-2032-0688-0990-0375	30/12/2008	Ashmount Scho
302-2092	1050-0228-7610-6872-2092	30/12/2008	Bedworth Social
190-0075	1606-0628-1420-6972-0096	30/12/2008	Biggin Hill Prim
90-0071	1606-0028-3940-3050-7094	30/12/2008	Blessed Sacram

## We're keen on data, and we like to share

Back in 2011 CSE obtained from the Government the full Display Energy Certificate Register for all public buildings in England and Wales (some 40,000 of them). We posted this data on our website, making it publicly available in one place for the first time ever.

We had a strong hunch that others would find the dataset useful – and we were right. As it turned out, there was so much interest in the data files that we had to transfer them to an external hosting facility to avoid crashing our website.

We continue to upload data for sharing and have recently secured initial funding for an Open Data Collaboration Initiative (for details of our approach to open data see [www.cse.org.uk/opendata](http://www.cse.org.uk/opendata)).

The latest addition is a list of over 4,800 Lower Super Output Areas published (though not in an easily accessible format, so not really 'open') by DECC.

These are areas of the UK that will qualify for Carbon Saving Community Obligation support under the Green Deal. Ian Preston, CSE's Senior

Analyst, said: "This data will be very useful for energy agencies, local authorities, energy suppliers, insulation contractors and the like. In the more usable format we've created we've tacked three extra columns on to the spread sheet – ward name, ward code and region – to give the data extra value."

The data can be re-used free of charge in any format or medium, under the terms of the Open Government Licence.

**"Remind me again: what is a Lower Super Output Area?"**

Lower Super Output Areas are sub-ward divisions averaging approximately 1500 people.

# energise

## CSE welcomes new trustee

Peter Lipman, chair of trustees at CSE, has welcomed the appointment of Anne Obey to the charity's board. Anne is Chief Internal Auditor for the Nationwide Building Society,



one of the UK's largest mutual businesses and the world's largest building society. "Anne brings a commitment to mutual principles and social inclusion as well as extensive business experience."

## After 25 years, '101' opens to the public again

CSE's old home, 101 Philip Street, Bedminster, was one of 40 Bristol houses that welcomed visitors during the second Bristol Green Doors open weekend in March. In the 1980s, 101 became the first old domestic dwelling in the UK to be given a systematic low-energy make-over, and was open to the public from 1981 until the early 1990s. Visitors this time around saw a range of the 'original' low-energy features including solid wall and floor insulation, biomass and 'wet' underfloor heating, quality glazing and ventilation, low-energy lighting, solar thermal and PV. More at [www.cse.org.uk/101](http://www.cse.org.uk/101) and [www.bristolgreendoors.org](http://www.bristolgreendoors.org).

## Stalwart CSE volunteer wins award

Put your hands together for June Bailey who, in February, was invited to the House of Commons to receive a Heat Heroes Award from Bath MP Don Foster. June had been nominated for the award by CSE in recognition of more than 15 years of active volunteering on our fuel poverty and energy advice projects. The Heat Heroes awards are organised by fuel poverty charity National Energy Action and recognise individuals who have made a significant contribution to helping people living in fuel poverty. See [www.cse.org.uk/june](http://www.cse.org.uk/june) for more details.



## Staff news

Fuel poverty is going up; carbon dioxide emissions aren't going down. So it's no surprise we're as busy as ever. And to meet the demand for our services (and to cover a couple of staff on maternity leave), we've been recruiting. So it's a warm welcome to James Ryle, Kate Thomas, Richard Tiffin, Tom Hinton, Tam Bardell, Jess Putt, Nick Chapman, Katy Hargreaves, Emma Sturtevant and Annette Lamley.

## Centre for Sustainable Energy

We are an independent national charity that shares our knowledge and experience to help people change the way they think and act on energy. *Switched on since 1979*



## Who's who at CSE

### Chief Executive

Simon Roberts OBE

### Household Energy Services

Phillip Morris Head of Household Energy Services (acting) | Sarah Jeffrey Head of Household Energy Services (on maternity leave) | Thomas Bardell Intern | Danni Barrett Energy Advisor | Liz Dagger Community Outreach Worker | Lisa Evans Senior Energy Advisor | Helen Grimshaw Senior Energy Advisor | Natalie Marino Energy Advisor | Michael McClelland Scheme Manager | Jessica Putt Intern | Pauline Sandell Fuel Poverty Advisor | Verity Saunders Senior Project Manager (on maternity leave) | Kate Thomas Senior Project Manager (acting) | Mark Tyler Energy Advisor | Jamie Walters Energy Advice Project Manager | Paul Winney Senior Energy Advisor

### Local & Community Empowerment

James Ryle Head of Local & Community Empowerment (acting) | Rachel Coxcoon Head of Local & Community Empowerment (on maternity leave) | Liz Beth Low Carbon Localism Project Manager | Nick Chapman Intern | Heather Crane Senior Energy Advisor | Morgan Griffin Project Officer | Madeline Gunn Project Worker | Bridget Newbery Senior Community Projects Manager | James Watt Senior Energy Advisor | Anna Watts Lead Trainer (on maternity leave)

### Research & Analysis

Joshua Thumim Head of Research & Analysis | Dr Toby Bridgeman Senior Research Project Worker | Dr Tom Hinton Software Developer | Katy Hargreaves Intern | Martin Holley Senior Technical Project Manager | Annette Lamley Research Project Worker | Ian Preston Senior Analyst | Zoe Redgrove Researcher | Royston Sellman Senior Programmer | Emma Sturtevant Intern | Richard Tiffin Senior Software Developer | Vicki White Researcher | Tom Wilcox Programmer

### Development & Communications

Janine Michael Head of Development & Communications | Dr Nick Banks Senior Development Manager | Ruth Cole Senior Development Manager | Matthew Rees Communications & Publicity Officer | Jonathan Twomey Senior Development Manager | Tim Weisselberg Communications & Publicity Manager

### Finance & Human Resources

Sarah Frankish Head of Finance & Human Resources | Kirsty Mitchell Office Administrator | Julia Stephens-Parr Financial Administrator



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Our vision is a world where sustainability is second nature, carbon emissions have been cut to safe levels and fuel poverty has been replaced by energy justice.

Why not join the 3,500 people who receive our monthly enews? Sign up at [cse.org.uk/enews](http://cse.org.uk/enews). Or the 1,700 people who follow one of our three Twitter accounts: [@cse\\_bristol](https://twitter.com/cse_bristol), [@cse\\_communities](https://twitter.com/cse_communities) or [@cse\\_HomeEnergy](https://twitter.com/cse_HomeEnergy)

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