

energise

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

We're proud to be part of Bristol 2015

CSE is excited to be supporting Bristol 2015, our home city's year-long programme to mark its status as European Green Capital (www.bristol2015.co.uk). Throughout the year we'll be providing advice and developing specific initiatives to make a positive impact across Bristol.

"We've been working to help Bristol become more green for more than 35 years" said CSE's Chief Executive Simon Roberts. "So Bristol 2015 is a fantastic opportunity to celebrate everything that has been achieved so far while involving many more people in taking the next steps towards a truly sustainable energy future."

Bristol 2015 has five themes: nature, resources, transport, food and energy, and unsurprisingly it is the last of these that we're most involved with, helping to set ambitions for the year, mapping current and planned activity across the city and

identifying initiatives that can make a real difference in 2015 and beyond.

"We're particularly pleased to be kicking off a project working with the health sector and council to prevent illness by tackling the city's cold homes. We know that high fuel costs, poor insulation and inadequate heating all combine to make tens of thousands of Bristol's homes hard to keep warm [see p5 for a particularly striking example]. That's bad for people's health and bad for the health service which has to pick up the bill."

We are also working with Bristol Energy Network to establish a corps of volunteer

In it for good

Energy Champions to increase the level of energy knowledge and activism in every neighbourhood in the city.

And, working in partnership with sponsors of Bristol 2015 and other experts, we will establish a Bristol Smart Energy City Collaboration to develop a deeper understanding of what needs to be done to realise the benefits of smart-energy data for the city, and its people and businesses, as smart meters are rolled out.

So, there's lots to look forward to, and we'll be posting regular updates on our website.

BRISTOL
2015 EUROPEAN
GREEN CAPITAL
OFFICIAL SUPPLIER



Images from the opening ceremony featuring an exciting night-time LED-lit high-wire act. Watch the video at www.cse.org.uk/bristol2015open

Inside Energise ...

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Energy suppliers should cut their customers' energy use – not insulate their homes

"Cut your customers' energy use, year on year" should be the simple and sole focus of the next **energy saving obligation** the Government sets for energy suppliers from 2017. This is the principal conclusion of an independent study by CSE, funded by energy supplier SSE.

This approach will reduce fuel bills and increase the effectiveness of other energy policies, while helping energy suppliers adjust to the low carbon, low energy demand future which is the goal of UK energy policy.

The study proposes replacing the current Energy Company Obligation (ECO) – the latest in a long line of increasingly complex and costly domestic energy saving obligations imposed on energy suppliers by successive governments – with an **'Average Customer Consumption Reduction Obligation'** (ACCRO). This would require energy suppliers to reduce average demand of their domestic customers.

"We need a change of tack in 2017"

said the lead author of the report, CSE's Chief Executive Simon Roberts. "Rather than oblige energy suppliers to do complex housing improvement works [e.g. the insulation programmes required by ECO] we should get the suppliers focused on what they are best placed to do, which is cutting energy demand by helping their customers to take full advantage of new smart meters and other low cost opportunities for saving energy in the home.

"Compared with alternatives, this approach cuts costs for consumers and focuses energy suppliers on helping their customers to manage their energy use.

"This approach also has the huge advantage that it makes energy suppliers commercially interested in ensuring that government policies to drive the use of smart meters, improve energy saving standards and secure rapid take up of low energy technology are all successful."

Download **'Beyond the ECO'** at www.cse.org.uk/news/view/1926

'Support fuel poor households through taxation, not the ECO'

'Beyond the ECO' highlights the need for a national programme to tackle the heating and insulation improvements needed by fuel poor households, currently funded in England from fuel bills through the ECO.

CSE proposes that this is stripped out of the supplier obligation and funded from general taxation – a less regressive funding method and one that would provide opportunities for a wider range of agencies (such as local authorities and landlords).

A more regressive alternative to general taxation, still compatible with the proposed ACCRO supplier obligation, would be for a levy to be raised on fuel bills to fund such a programme but where suppliers were not obligated to deliver it.



What can the energy sector learn from the past?

To mark the 100th anniversary of one of its predecessor organisations, the Energy Institute asked eminent figures in the energy sector, including our CEO, Simon Roberts, about lessons from the past that can guide the future of their industry. Their views were printed in Energy World.

For Simon's full interview see www.bit.ly/1upqWeH, but for a flavour of the piece, here is his answer to the question **'What are the main factors to solving the energy policy 'trilemma' of balancing supply security, affordability and sustainability?'**



"We still don't focus enough on the demand side. This is at the heart of solving all of these problems, not least because it's still the case that we can

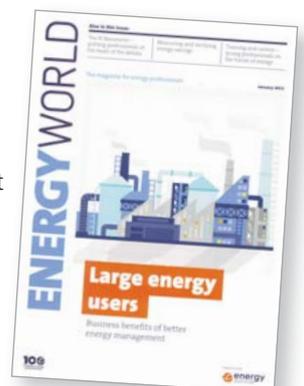
save a kWh of energy far more cheaply than we can supply it. Yet we talk about supply gaps, rather than demand overloads. We plough vast sums into low carbon electricity sources while leaving mere crumbs for energy saving. We set up a capacity market in which energy demand response barely features (save for a paltry pilot), even though it has an almost exactly the same impact on the system.

"Energy demand isn't an alien force that is beyond comprehension or immune to influence. Demand is the sum total of the decisions made by 60 million people in homes, offices and factories across the



country, both in the moment (to switch on, all at the same time, the lights, kettle and cooker and electric fan heater) and over time as purchases and procurement specifications (to buy inefficient appliances and lighting, install inadequate heating controls, or fail to insulate).

"These decisions are subject to influence, both in the short term (witness the 15% drop in electricity demand in Japan after public campaigns in response to the post-Fukushima shut down) and in the medium term (by banning all but the most efficient appliances, gadgets and light bulbs and driving forward building retrofit)."



New boiler serenade ... the Southbank Centre in Southville was one of the beneficiaries of Bristol City Council's community building fund, and will have cheaper heating as a result



Let's hear it for the Bristol Community Building Fund!

Seven popular and busy community buildings in Bristol will benefit from upgraded windows, improved heating systems and new low-energy lighting thanks to a grant fund from Bristol City Council that was administered by CSE. A total of £20,000 was distributed to pay for energy saving improvements to make the communal spaces more comfortable for users and cheaper to run for the organisations.

The vibrant **Southbank Centre** pictured above has just received funding for a new boiler. The **Trinity Centre**, a key arts provider in the city, was awarded funding for LED lighting that will save around £3,000 a year. Centre manager Emma Harvey said: "The upfront costs of energy efficiency improvements are difficult for community

groups to afford, so this grant helps us continue to provide free and subsidised hall use to other community groups."

Across the city, non-profit bike cafe and workshop, **Roll for the Soul**, had insulation works funded by the scheme. "We discovered last winter that it gets pretty cold in here and we'd already been putting aside a bit of money" said Director Rob Wall. "But the extra money certainly helps."

Meanwhile, **St Mary Redcliffe** is using its award to bolster its existing programme of environmentally-friendly improvements. "We are very grateful for the grant" said Rhys Williams, research assistant at the church.

And the business centre and local community hub, the **Greenway Centre**, has installed new windows. Maintenance technician Dan Brown said "This will have a massive effect on the wellbeing of people using the centre, many of whom are elderly and who tend to find the building cold from as early as September."

Want to be kept informed about similar community funds? Sign up to our newsletter www.cse.org.uk/communities-update

Helping vulnerable tenants apply for the Warm Home Discount

Bristol City Council takes fuel poverty and energy efficiency seriously, and so is continuing to fund CSE to provide help and advice for its tenants through the Bristol Tenants' Energy Advice service. "This is a great partnership between CSE and the biggest local authority in the area to help some of the most vulnerable local people" said CSE's Jamie Walters.

Part of this service has been a series of workshops promoting the Warm Home Discount, a £140 rebate on electricity bills. All the 'big six' energy suppliers (and several smaller ones) offer this. However, depending on the benefits they receive, some customers will receive the rebate automatically while others will have to apply for it themselves, meaning many of the most needy may miss out.

Through these workshops – and via the advice line for those who were unable to attend – CSE has helped over 500 Bristol households, many of them the most vulnerable of the council's tenants, to apply for the rebate. Assuming these applications are successful, this represents a saving of over £70,000 on Bristol tenants' electricity bills this winter – money which could be used to keep their homes warmer for longer.

0800 082 2234

www.cse.org.uk/bristoltea
home.energy@cse.org.uk

Funding for home improvements in Bath & North East Somerset

A significant amount of funding is available for people in Bath & North East Somerset through a council-funded scheme that CSE is managing.

Home-owners, private tenants and landlords can apply for grants of up to £7,000 for solid wall insulation or up to £3,000 for any improvements suggested on

a home energy assessment (such as a boiler upgrade, loft and cavity wall insulation, secondary glazing and many more).

The scheme has its own website which aims to provide free and impartial energy saving advice to residents as well as helping them to access funding and finance for energy saving improvements.



Visit the website for advice on energy smart measures and funding options
www.energyathome.org.uk

Health service should do more to tackle cold-home deaths and illnesses

CSE helps National Institute of Health and Care Excellence (NICE) draw up guideline

The health service can and should be doing much more to help tackle the causes of bad health resulting from people living in cold homes.

That's the key message of new guideline published in March by NICE, the National Institute of Health and Care Excellence.

CSE's Chief Executive Simon Roberts served as a topic expert on the NICE advisory committee which has reviewed the evidence and drawn up the guideline, the first of its kind in the UK.

The guideline makes a wide range of recommendations and argues that health and care practitioners should be trained to identify those at risk of illness from living in a cold home and assess their heating needs (see box).

At the NICE press conference launching the guideline, CSE's Simon Roberts said: "This guideline is a really important step forward in integrating the work of health

and social care sectors into wider efforts to tackle the annual cycle of misery, ill health and premature death which we know is linked to cold homes. Living in a routinely cold home is bad for your health and wellbeing and makes existing health problems worse. That in turn causes avoidable burden on the health service.

"The good news is that, as the guideline makes clear, there are simple steps that can be taken to address this, starting with the health service recognising the problem and



Living in a routinely cold home is bad for your health and wellbeing and makes existing health problems worse

The 5 key recommendations

- 1 Establish a single-point-of-contact health & housing referral service to help vulnerable people in cold homes gain access to services that lower the cost of keeping warm.
- 2 Require primary health & home care practitioners to identify and assess the heating needs of people at risk of ill health from living in a cold home.
- 3 Ensure that vulnerable people being discharged from health or social care settings have a warm home to return to.
- 4 Train heating engineers, meter installers and those providing building insulation to help vulnerable people at home, and to be able to spot if someone is at risk because of a cold home, and know whom to call.
- 5 Raise awareness among practitioners & the public about how to keep warm at home, & address common myths (e.g. 'drinking alcohol keeps you warm', and 'sleeping in a cold bedroom is good for you').

More on this, including a link to the full NICE guideline at www.cse.org.uk/news/view/1958

"You know things are bad when she's painted her walls black"

Ian Preston on the chilling reality of living in a cold home

I took a call on the advice line last week which brought home to me the reality of living in a cold home.

The caller – we'll call her Deborah – lives in social housing

in Bristol with her two young children. Both children have asthma, and one of them has received treatment for bronchitis. She wanted to know what could be done about the damp and mould that covers the

walls of her home.

Now, many homes suffer from a bit of condensation damp, typically behind wardrobes or other furniture that backs onto the colder outside walls. But Deborah was dealing with something altogether worse: large and unsightly black, green and yellow blotches which came back no matter how often she cleaned and bleached the walls. Finally, and in sheer desperation, she painted the affected walls a funeral black.

It hasn't got rid of the mould, but at least she can't see it. I can barely imagine bleaker surroundings.

I suspect the mould and damp in Deborah's home are the result of under-heating. Deborah told me that she is on means tested benefits, so is likely to be struggling to heat her home adequately, and cold homes are often mouldy homes.

Poor ventilation could also be a factor, and there may also

Mould, caused by a combination of poor ventilation, inadequate insulation and under-heating.



“ An important step in tackling the annual cycle of misery, ill health and premature death ”

putting in place systems to refer patients to local initiatives that can help to tackle their cold homes – and thereby reduce the harm done to their health.”

Professor Gillian Leng, Deputy Chief Executive of NICE, said “Deaths and illnesses linked to living in a cold home are preventable. NICE recommends that health and wellbeing boards should ensure that a single-point-of-contact health and housing referral service is commissioned to help vulnerable people who live in cold homes.

“Anyone who comes into contact with vulnerable groups, including health and social care staff, emergency services and workers from charities and voluntary organisations, should be able to refer people to the service. This huge number of contact opportunities could make a big difference in preventing illness and saving lives.”

CSE has begun to implement the new NICE guideline across Bristol in a new project called ‘Preventing Illness by Tackling Cold Homes’ (PITCH). We’ll be working with the local health service and several GP surgeries to pilot a process of referring at-risk patients to CSE for help with tackling cold or damp homes. An example of the sort of impact this approach could have is described in the following story ...

Working with the health service to tackle cold-related illness

Jackie is a health worker in Bristol. One of her patients is Mark, who suffers from severe respiratory problems and is on an oxygen machine 24 hours a day. At one of his regular hospital checkups, Jackie discovered that Mark was struggling at home and at risk of falling behind on his electricity payments and having his power cut off as a consequence.

For Mark, this could be serious; as he said: “My oxygen machine runs on electricity, so if it gets cut off I’m up the creek”.

Jackie had recently been trained by CSE on the link between home heating and health and got in touch with us to request that Mark received a home visit from Lisa, one of our energy advisors.

“It was immediately obvious why he was so anxious,” said Lisa. “Mark was on a prepayment meter which he had to top up a couple of times a week. If he missed a payment he would be in trouble as a typical electricity meter has only a limited amount of emergency credit, after which the power cuts out.”



“I am so grateful for the help I got from CSE” says Mark

Lisa contacted Mark’s fuel supplier and asked them to move him from a pre-payment to a credit meter – something they were happy to do on account of his condition. She also helped him set up a direct debit, and showed him how to take a meter reading and log this with his supplier by phone.

All this should save him around £100 per year.

“Changing the gas and electric meters from prepayment to credit has made a 100% difference to my life. I am so grateful for the help I got from CSE.”

Lisa also arranged for Mark to receive his £140 Warm Home Discount via his meter – and made sure that he was on the suppliers Priority Services Register.

This work is supported by Comic Relief – see back page ...



be structural issues that are making the problem worse.

What we know for sure is that living in a cold damp home is profoundly depressing and will have exacerbated, if not caused, her sons’ asthma.

Through our Warm and Healthy Bristol project we have offered Deborah a home visit to see if there are issues with rising damp or penetrating water. Sonia, one of our energy advisers, will visit her shortly to ensure she’s claiming the benefits she’s entitled to, and see what else can be done to make her home drier and more comfortable. [See what a CSE home visit is like on this short

video: www.bit.ly/1B0fKX2].

Sadly, Deborah’s situation is only too common; social housing tenants on low incomes often experience issues with damp and mould.

So what’s the Government doing? Not enough, I’m afraid. In 2013 they managed to cut the numbers affected by fuel poverty from 4.2 million to 2.3 million (England only) – but this was through the simple expedient of changing the definition. At the same time the

“ I can barely imagine bleaker surroundings ”



Cold homes can make respiratory conditions like asthma worse.

Government is actually cutting the amount of money made available to improve cold homes.

All in all, it doesn’t feel like a concerted effort to help people like Deborah. Maybe if ministers spent a year or two living in damp homes things would be different?

But perhaps there is a

glimmer of hope. NHS commissioning departments, including here in Bristol, are keen to replace disposable ‘metered dose’ asthma inhalers with non-disposable ‘dry powder’ versions in a bid to reduce the amount of medicine waste that ends up in landfill.

Our hope is that if health professionals call on asthma sufferers such as Deborah’s sons to introduce them to refillable inhalers, they could at the same time check for signs of damp or mould, and refer the household to organisations like CSE for advice on dealing with this.

Things are maybe moving in the right direction.

Almost everyone can save money by switching energy supplier



An interim report released by the Competition Markets Authority (CMA) in February suggests that a staggering 95% of dual fuel customers could have saved money by switching supplier. The CMA was asked by Ofgem to investigate competition in the energy market.

Ian Preston, our Head of Household Energy Services said: "CMA's report shows that the 'Big 6' energy suppliers don't reward loyalty – quite the opposite, in fact.

"It's important we make people aware that most of us could save at least a couple of hundred quid a year – the kind of saving that can make a big difference in vulnerable or low-income households."

However, according to the CMA, it is exactly this kind of customer that is least likely to switch and considered 'sticky' in the energy-supply industry. The report suggests that these customers are "less well off, more likely to [be] struggling financially, less likely to own their own home, less likely to have internet access, more likely to be disabled or a single parent".

Many people who call CSE's advice line with energy bill worries have never changed their gas or electricity supplier, or not for a long time. Suppliers tend to use their best deals to attract new customers, and move

'sticky' customers onto more expensive tariffs once their original deal runs out. So if they don't bother to shop around or switch they can be losing out.

"Don't be 'sticky' – switch" is the message we should be getting across" said Ian, "which is why we formed a partnership with energyhelpline to launch our switching site: www.cse-switch.org.uk.

It is also why CSE's Home Energy Advisors hold public drop-in sessions, talks and workshops specifically focused on switching supplier. After one of these in February, energy advisor Karen Smith said "Many people are wary of switching. They think it's a hassle and prefer to stick to the devil they know, even when they know they may not be on the best rate.

"However they're happy to listen and take away the information so they can make the choice in their own time".

We have a page on our advice site about getting the best deal from your supplier. This has information on payment methods, different tariffs and the information you need to switch.

Can you get a better deal?
Visit our switching website

www.cse-switch.org.uk

Grants of up to £2,500 for Green Open Homes events

The national Green Open Homes network had a hugely successful first year, inspiring hundreds of homes to open to the public and over 10,000 visitors to cross the energy efficient thresholds.

Run in conjunction with Bristol Green Doors, the network supports low carbon open homes events across the country by providing free advice and resources to organising groups.

For those hoping to run new or repeat events, we've got some great news – grants of between £500 and £2,500 are available for events happening before the end of May 2015. Applications will be assessed and winners selected on a first-come-first-served basis until the funding pot has run out. The

total grant pot is £48,000.

Grant application forms are available to download from the Green Open Homes website. The website also allows a group running an event to create their own page where they can list all the details visitors will need, and use the site's mapping facility to record the homes taking part.

www.greenopenhomes.net



For an introduction to running an open homes event, check our short video www.bit.ly/1BHSVbr

Neighbourhood planning support

For the next two years, CSE will support around 10 neighbourhood planning groups who are keen to integrate climate change and fuel poverty objectives into their neighbourhood plans.

Help can also be given to groups looking to use other parts of the Localism Act, such as Neighbourhood Development Orders or the Right to Build, to pursue low-carbon and broader sustainability objectives.

Project manager, Harriet Sansom, said: "We can offer support in various areas including attendance at committee meetings, help with public events or consultations, research for developing an evidence base, or with drafting policy."

More on our website at www.cse.org.uk/news/view/1939

If you think we could help you, get in touch by phone (0117 934 1428) or email (harriet.sansom@cse.org.uk)

And don't forget about the grants available through the **Urban Community Energy Fund** – the £10m government fund for large community energy projects launched in 2014. CSE is co-administering UCEF in partnership with Pure Leapfrog.

More details on the scheme are at www.cse.org.uk/ucef



'Love Your Old Home'



For straightforward advice on renovating older, more unusual properties, we've produced a handy 4-step guide for owners of traditional homes (pre-1919 in conservation terms) called 'Love Your Old Home'. It includes advice on avoiding damp and getting planning consent for listed buildings and those in Conservation Areas. Download it from www.cse.org.uk/advice/older-homes

Our energy saving advice for Guardian's environment editor

CSE's Annette Lamley joined the head of environmental practice at the National Trust and a leading historic buildings advisor to give the lovely old home of journalist John Vidal a once-over.

The team (jokingly referred to as the "Green Police") advised the Guardian's environment editor on the best energy saving improvements for his half-timbered cottage, in terms of cost and efficiency. John wrote up the visit in the Guardian, and you can read it here: www.bit.ly/1t13sGy.

A major subject for discussion were the different approaches to adapting older and newer homes. What works for a Victorian terrace house may not work for a stone cottage. As John writes: "slapping insulation inside or outside solid brick or stone walls, even installing double glazing, might not

John Vidal's half-timbered cottage. What are the best options for making it more energy efficient while protecting its historic interest?



just be inefficient, unaesthetic and expensive, but could add to damp problems and harm the fabric of an old building."

Old homes are beautiful and interesting, but can also be expensive to keep warm. Happily, all three advisors suggested doing "the common sense things before spending heavily on fancy kit." For John's house this meant draught proofing, upping the loft insulation and fitting LED lights.

Annette's top tips

These are the pointers Annette gave John Vidal for his listed cottage

- 1 Look at the property as a whole rather than considering measures individually and think about their cumulative impact on the way that the building fabric functions.
- 2 Consider simple and cheap measures first – like draught excluders, heavier curtains and floor coverings – before investing in more expensive measures such as external wall insulation.
- 3 Keep your home in a generally good state of repair.
- 4 Insulating the roof is usually much cheaper than insulating solid walls, so do the roof first (even though more heat is lost through the walls).

Energy advice leaflets in Somali

CSE has produced a series of energy advice leaflets in Somali. They cover the most common energy-related issues faced by the Somali community in Bristol and elsewhere in the UK. You can download the leaflets from our website and distribute them freely: www.cse.org.uk/somali-leaflets

Habka looga hortagi karo qoyaanka, dhedada ama uumiga keena (Preventing damp and mould)

Cabirka korontada (Digital Economy 7 meters)

Dhaqaale 7 (Economy 7)

Ku kululeey aqalkaaga koronto (Heating your home with electricity)

Ka difaac Qabowga (Insulating your home)

Aqri cabirka korontada (Reading your meter)

Qeybta laga maamulo kuleliyaha (Setting your central heating controls)

Talaabooyin muhiin u ah, hab isiticmaalka kuleliyaha gaasta (Using your gas central heating)

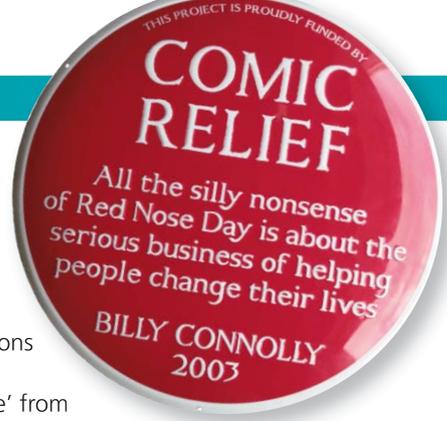
10 talo oo Muhiin u ah korontada (Top 10 energy saving tips)

Many among Bristol's Somali community are relative newcomers to the UK who live on low incomes and in poor housing. They commonly experience difficulties in ensuring their homes are adequately heated, insulated and ventilated, and in dealing with energy companies. CSE has worked with the community for several years and is particularly fortunate in having Somalia-born Yusuf Salah on the team.



In the past 12 months we have also produced two Somali language videos (with English subtitles): 'How to pay for your gas and electricity' and 'How to avoid damp and mould'. Both viewable at www.bit.ly/1G1qRKV





Comic relief funding means better deals for people on high energy tariffs



CSE is one of more than 2,100 organisations across the UK to have received a 'Red Plaque' from Comic Relief, in recognition of the work we do and which is funded through Red Nose Day. The picture on the left shows CSE's Lisa Evans with Mark, a beneficiary of our Affordable Energy scheme which Comic-Relief fund. You can read more about Mark's story on p5, or at www.cse.org.uk/niceCS.

"We've used the funding to support people with prepayment meters who very often pay more for electricity but have the lowest incomes and standards of housing" said Lisa.

In all, 16,800 UK projects have received funding from Comic Relief since the charity began in 1988.



Left: CSE's Comic Relief plaque held by Energy Advisor Lisa and Mark, who has been supported through the Comic Relief-funded Affordable Energy scheme. And, right, the plaque is hung on the wall of CSE's office.

Who's who at CSE

Chief Executive

Simon Roberts OBE

Household Energy Services

Ian Preston Head of Household Energy Services | Liz Dagger Caseworker
 Lisa Evans Project Officer | Louise Evans Caseworker | Beth Grylls Intern
 Justin Lee-Gammage Senior Energy Advisor | Kath Lindsay Project Worker
 Michael McClelland Scheme Manager | James Pemberton Intern | Sonia Pruzinsky Senior Energy Advisor | Yusuf Salah Energy Advisor | Karen Smith Energy Advisor
 Natalie Spollin Senior Energy Advisor | Kate Thomas Senior Project Manager
 Mark Tyler Energy Advisor | Jamie Walters Energy Advice Project Manager
 Lorna Wilcox Project Worker | Paul Winney Project Officer

Local & Community Empowerment

Rachel Coxcoon Head of Local & Community Empowerment | Caitlin Ballard Intern | Heather Crane Senior Project Worker | Rachel Haycock Intern
 Dan McGarvie Intern | Bridget Newbery Senior Community Projects Manager
 Harriet Sansom Project Manager | Daniel Stone Project Officer | James Watt Project Manager | Anna Watts Lead Trainer

Research & Analysis

Joshua Thumim Head of Research & Analysis | Molly Asher Intern | Kat Blacklaws Project Worker | Dr Toby Bridgeman Researcher | Dr Tom Hinton Software Developer
 Martin Holley Senior Technical Project Manager | Annette Lamley Project Officer
 Joe McMullen Project Worker | Zoe Redgrove Researcher Glenn Searby Junior Software Developer | Maddy Stow Senior Project Worker Richard Tiffin Senior Software Developer | Vicki White Researcher

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 Cat McLaughlin Communications Project Worker | Phillip Morris Senior Development Manager | Jonathan Twomey Senior Development Manager | Tim Weisselberg Communications & Publicity Manager

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energise

Spring 2015

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



Energise is produced twice a year and distributed free. To request a copy, or be put on the mailing list, email newsletter@cse.org.uk. Download copies from cse.org.uk/energise

We also send out a fortnightly enews. Sign up at cse.org.uk/enews.



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Charity 298740 | Company 2219673

Founded 1979