



September 2015

AECB News

Welcome

A warm welcome to the following new members who have joined the AECB recently;

Richard Brooks	Derby
Co-Create Consulting	London
Richard Pender	Northumberland
Carbon Co-op	Greater Manchester
Paul Coster	Norfolk
Leeds Beckett University	West Yorkshire
Fahimeh Tatarestaghi	Iran
David Firth	West Yorkshire
Dobulous Lifestyles LTD	Somerset
Martin Montgomery	West Midlands
Sustainable Homes	Surrey
Scott Weddell	East Lothian

To ensure you are making the most of your membership, please visit <http://www.aecb.net/membership-benefits>. In order to have full access to our website, you will need to log in with your username and password. If you need a reminder of these, please email emma@aecb.net. If you have joined as a company, you can then enhance your member profile listing on the popular [Member Directory](#). Both members and non members are able to browse or search this directory of products and services provided by our membership.

We are also keen to hear from AECB members wishing to share a news item about themselves or their company to include on the [AECB News Platform/Member News](#). This could be an award you have recently won for a project, a product or your service. This is strictly an area for promoting AECB member news only and we will therefore not be able to publish any items which AECB considers to be purely advertising of products or services. AECB retain the right to reject straightforward advertising items. Please send your short item (max 200 words) plus a link to your website and one picture, to AECB Business Operations Manager, Gill Rivers – gill@aecb.net.

AECB Water Blog No 7



Amongst other things Cath looks waterless traps, smart water meters, waste water recovery – the Heath Robinson way ..., savings from WCs in schools, greywater recycling and finally, ‘The mysterious case of the pink flamingo’ an illustrated children’s book about why crabs hate combined sewer overflows and why flamingos love four minute showers!

As detailed and eclectic as ever. Read Cath’s blog at [here](#).

Passive House Planning Package (PHPP) 2013 Version and SketchUp Design plugin: design PH

The English version of the 2013 issue of PHPP (PHPP8) has been released and is available to purchase at £125 plus VAT online from: www.aecb.net/carbonlite/carbonlite-programme/phpp-software.

If you already have a copy of an earlier version of PHPP (eg PHPP7) you can upgrade to PHPP8 at the reduced price of £105 plus VAT. This can now be done online at www.aecb.net/carbonlite/carbonlite-programme/phpp-software

The AECB has entered into a contract with the Passivhaus Institute (PHI) to sell the new SketchUp plugin designPH (English version). You can buy it now at the AECB member rate discounted prices online via the AECB website at: www.aecb.net/carbonlite/carbonlite-programme/phpp-software

Prices are listed below. Please note these exclude VAT and depend on the version of PHPP you have. For full details of the new designPH please visit: www.designph.org/

- Upgrade from PHPP7 to PHPP8.5 PLUS designPH plugin: £210
- **NEW** PHPP8 PLUS designPH plugin (includes latest upgrade for PHPP8 to PHPP8.5): £280
- If you have a copy of PHPP8 you can have the designPH plugin only : £170
(including upgrade to PHPP8.5)

*Please note that if you do not have a copy of PHPP you cannot purchase DesignPH on its own. **The above prices are for AECB members only.***

Omnisense Remote Monitoring System

The AECB has negotiated an ongoing rate of benefit to members and can offer the Omnisense remote monitoring system at significantly preferential terms to AECB members for projects that would benefit from environmental condition monitoring. The Omnisense system is a web-based remote monitoring system for buildings that measures relative humidity, temperature and moisture level. Currently members who have taken up this offer are monitoring various internal wall insulation constructions, insulated suspended timber floors, conditions within brickwork that has been externally insulated, etc

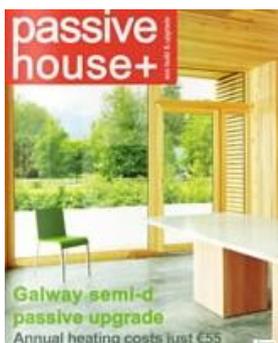
To obtain a quotation for the Omnisense Remote Monitoring System please contact gill@aecb.net. A forum board has been set up for discussion – click [here](#) to read more.

Going Deep: The Benefits of a Centrally Funded, Nationwide, Deep Retrofit Programme

AECB member, Geoff Cunningham of Calibrate Ltd has prepared a paper, 'Going Deep: The Benefits of a Centrally Funded, Nationwide, Deep Retrofit Programme' in conjunction with Graeme Moore BSc, MSc of the University of Liverpool. A copy of the paper and the accompanying statistics can be downloaded from the AECB website [here](#).

Geoff would be keen to receive any comments/feedback which members may have on the paper especially from people with firmer numbers and more expertise. Please contact Geoff directly at geoff@calibrate.com with your feedback.

PASSIVE HOUSE PLUS MAGAZINE



The end of an era has been marked with the final printed issue of Green Building Magazine in July 2015. After twenty five years of pioneering work Keith Hall has decided to discontinue the magazine, though he's adding the new GBEzine to an already strong online presence which we would urge members to check out.

The AECB has reached an agreement so that Passive House Plus magazine will become the Association's official partner magazine. Members will receive a full subscription to Passive House Plus and in addition to each new issue being posted in print form; members will have digital access to the magazine via www.passivehouseplus.co.uk. As a subscriber members will have access to exclusive online image galleries of plans and construction details of most of the buildings featured – including key insight into how to detail airtight, thermal bridge-free building fabric, using a broad range of different build methods.

Over time this resource is expected to grow and be developed to include much more online material as well as interactive material, possibly podcasts, film material, etc. Whilst in its early days now, this will be an exciting new benefit for members and something that we expect to develop dramatically over time. There will be strong cross-links to AECB website material.

UK Passivhaus Conference 2015: 20th October 20th 2015 Business Design Centre, London



The 2015 UK Passivhaus Conference, organised in partnership with the Passivhaus Trust and BRE, will offer an exciting and concentrated update of what has happened in the UK Passivhaus movement over the past year. Delegates will have a chance to learn about the development of large-scale UK housing projects and the challenges this provides. This one day conference will be held on October 20th 2015 at the Business Design Centre, London

For the first time, there will be a mini trade show in the exhibition area, which will also include demonstration sessions on special feature product models. The trade show will also be open to non-conference attendees - we will promote free tickets in advance through our media partners, exhibitors and selected media or tickets can also be purchased on the door.

Tickets are now available for the 2015 UK Passivhaus Conference. Book now to receive 10% early bird discount!

As an AECB member you will also receive the partner discount.

To find out more and book your ticket please visit <http://www.ukpassivhausconference.org.uk/home>

Feedback on AECB 2015 Conference



As is usual we ask all delegates to the AECB Annual Conference for their feedback and comments. Over the years this had helped us in designing the event, finding venues and speakers as well as themes to cover.

We now have the feedback from this year's event held in Sheffield. The full results with most of the comments will be on the web site soon but for brevity we have prepared a synopsis of the results. Many thanks to all those who took the time to fill in the feedback questionnaire. Hopefully we will be able to use some of the information in planning next year's event.

1) Please rate the booking process

	Excellent	Very Good	Good	OK	Bad
Rating	53.33%	37.78%	6.67%	2.22%	0.00%
	24	17	3	1	0

2) How would you rate the information you were sent prior to the event?

What more information would have been useful?

	Excellent	Very Good	Good	OK	Bad
	40.91%	36.36%	18.18%	4.55%	0.00%
Rating	18	16	8	2	0

A common comment was that more details of the workshops and their content would have been useful.

3) Please rate the range of workshops and add any comments on workshops you attended and how they could have been improved.

	Excellent	Very Good	Good	OK	Bad
	31.82%	50.00%	15.91%	2.27%	0.00%
Rating	14	22	7	1	0

A range of comments one common theme was the need for presenters to be kept to time as some over ran leaving little time for the second speaker or discussion.

- Paul Jennings's workshop needed more time to do the tasks, or less tasks
- We need more laughs and fewer graphs
- Still a bit chalk and talk/mini plenary sessions with participants in rows before an "expert"

4) Do you have any suggestions for formats, themes and workshops you would like to see at future conferences

As always participants would like to see more practical workshops.

Other comments:

- I always enjoy the reports from the real world and how things have worked in practice
- Would prefer fewer workshops in parallel but all 60 mins not 90
- The workshops I participated in could have been more interactive and participatory, most were simply a speaker or speakers and an audience in rows listening
- Perhaps one or two longer, more detailed presentations rather than or in addition to the quick 15-20 minute "bullet-point" style presentations.

5) Would you be interested in themed days so you could attend only 1 day to save money and time.

Yes 40% No 60%

Many of the comments were more focused on possible areas for themed days. These were ventilation, airtightness, condensation,

6) If you enjoyed it, what made this a good conference for you? If not why not?

The vast majority of the comments were very positive. Common themes were nice atmosphere, good networking, nice to meet up with friends, good food; the World Café idea was well liked.

7) For many attendees, networking with like-minded persons seems to be a major benefit and pleasure of the conference. How might we improve this aspect of future conferences?

Again the comments were positive with several people saying the World Café idea worked well although the acoustics in the bar were a problem for some. Having everything in the same area (bar, food, workshops etc.) was well liked. Someone wanted a free bar. More chances to chat with the Trustees would have been good.

8) Any general comments on this year's conference or ideas for workshops and possible venues for future years.

In general comments were very positive.

- A range of suggestions for venues and areas of the country to visit.
- The venue was on the whole well liked as was the food.
- A better gender balance of speakers some of the men spoke over the women.

9) If the AECB were to plan some practical courses or include a practical session in the annual conference what would you like to see covered?

- I would love to see some intros to software packages such as SAP, PHPP and Therm
- Fitting new windows and doors in existing buildings.
- Air tightness, water saving, do's and don'ts of timber frame?
- How about taster sessions on existing AECB courses
- Messy things like straw bale are always enjoyable and lighten the atmosphere
- I don't think this is a good idea; there isn't time as part of the main two day event.

CLR Certification Update

The online system for CarbonLite Retrofit Certification is now at the stage where a small group of AECB members will begin end user testing very soon. Their feedback will be used to iron out any technical glitches and identify other improvements before the system goes live.

AECB CarbonLite Passivhaus Designer course in London, November!



Early Bird Rate until Friday 18th September!

Our next course is coming up on the 2nd November. Secure your place now with 10% deposit & get the early bird rate! The full course for £2000+VAT* . Contact Ingrid Bravo on 01752452546 or email training@peterwarm.co.uk

Passivhaus and Low Energy Building Design is rapidly becoming an essential skill for Architects, Consultants and Self-builders. Our course will give you the confidence to tackle UK low energy projects along with more specific guidance on achieving the standard of air tightness and thermal bridge free construction required by the Passivhaus standard. Our course is delivered by highly experienced UK professionals and leads to international accreditation as a Certified Passivhaus Designer or Consultant.

Why AECB Carbonlite? www.aecb.net/carbonlite/carbonlite-programme/training-courses/

- Obtain an international accreditation as a **Certified Passivhaus Designer or Consultant**.
- Our Course is the only one developed specifically for the UK and uses **UK building examples**, rather than the European CEPH material taught by others.
- This course is written and taught by leaders in UK Passivhaus development, They are the experts who are actually successfully designing/ building Passivhaus in UK: amongst others, **Bill Butcher, Alan Clarke, Sally Godber, Nick Grant, Eric Parks, Marine Sanchez, Mark Siddall, Will South, Peter Warm** and the WARM staff who have supported over 200 buildings in low energy design as well as being Passivhaus certifiers.

Our London Course Programme:

	dates	Cost+VAT	for AECB/PHT members
week 1	M 2 nd Nov	£300	Fundamentals of Passivhaus
	T 3 rd Nov	£600	Science of Passivhaus
	W 4 th Nov		
	T 5 th Nov	£300	Construction of Passivhaus
	F 6 th Nov (am)*		Introduction to Psi values
	F 6 th Nov (pm)*	£300*	designPH**
week 2	M 16 th Nov	£600	Building Services of Passivhaus

T	17 th Nov		
W	18 th Nov	£600	PHPP**
T	19 th Nov		
F	20 th Nov / 4 th Dec	£600	Revision and exam

*Additional modules are not included in the full CEPH course price.

**needs suitable laptop for this module

Find out more at <http://www.aecb.net/carbonlite/carbonlite-programme/training-courses/>

Online Therm course

How bad are your thermal bridges? Thermal bridges are one of the key ways that buildings lose much more heat than expected. Understanding them is critical to designing low energy buildings. Learn how to use the (free) software "THERM" with the experts from the AECB CarbonLite team. The new online Therm course allows people to learn at their own speed and in their own time.

Watch our 2 min promotional video here: www.carbonlitetraining.co.uk

To sample the course you can log in as a guest and use the set up instructions "Setting up THERM for Use in Thermal Bridge Calculations" that will guide you step by step to install Therm on your computer. The initial set up of Therm can be a bit tricky and as part of the course we offer assistance if you get stuck.

The on-line course cost is £200+VAT for one year's access to the Moodle course and a nominal 2 hours support by email. Contact training@peterwarm.co.uk for more details.

AECB Member News

Self Build Passivhaus Shortlisted for Three Built It Awards



Steel Farm Passivhaus has been shortlisted for three Built It Awards; the awards hosted by the self build magazine "Built It".

The house could win an award for Best Value Home, Best Eco Home and Best Masonry Home. The awards ceremony takes place on the 24th September 2015.

Architect Mark Siddall says "Being nominated is fantastic. Winning just one award would be superb. All three? That would be mind blowing."

With Steel Farm having won a Passivhaus Award earlier this year Mark finds himself hoping that the house wins for Best Value. More than anything he thinks that would reflect the care and deliberation invested in the project. It would also reflect the effort that everyone put in, including owners Trevor and Judith Gospel, services engineer Alan Clarke and the building contractor JD Joinery and Building.

You can learn more about the Steel Farm in the in depth three-part documentary series at www.PassivhausSecrets.co.uk

Early Bird Rates for CoRE's Retrofit Coordinator Training this Winter



With many of CoRE's Summer courses sold out, we are now promoting our Autumn and Winter courses. Can you afford to not get it right with retrofit? Avoid the consequences by learning retrofit best-practice from CoRE's specially-selected tutors.

[Click here](#) to book your discounted, RIBA-endorsed Retrofit Coordinator Training Modules

The Retrofit Coordinator Diploma is a 10-module training programme run by the [UK's leading experts in domestic refurbishment](#). The Retrofit Coordinator courses can be completed in a fast-track programme in just a couple of months or, alternatively, units can be booked individually to suit your diary.

The Diploma consists of the following single-day units:

- Introduction to Domestic Retrofit
- Assessing Dwellings for Retrofit
- Funding Retrofit
- Building Fabric Retrofit
- Building Services Retrofit
- Fundamentals of Solid Wall Insulation
- Ventilation for Retrofit
- Retrofit Building Physics
- Responsible Retrofit of Traditional Buildings
- Coordination and Risk Management

Why Attend the Courses?

The training days are designed to help you lead, project-manage and quality-assure retrofit projects and programmes:

- **Manage:** Helps to effectively manage retrofit projects and deliver on time and within budget
- **Coordinate:** You will be more informed and able to offer advice to support all members of the retrofit project
- **Quality-Assure:** Provides you with the skills to assure retrofit clients and minimise project risk

Who Should Attend the Courses?

- Architects
- Asset Managers
- Building Services Engineers
- Building Surveyors
- Construction Managers & Site Foremen
- Construction Project Managers
- Energy Assessors & Consultants
- Energy Managers

The completion of all 10 modules provides participants with a fully [CPD-accredited](#) diploma certification.

Discounts are available if eligibility criteria is met.

Please contact us to find out about pricing.

Call us: 01782 792900

Email us: louise.williams@core-skills.com

Local Group News

For full details of the events listed below and forthcoming events please visit www.aecb.net/events/ for up to date information on all of these events including dates, times and venues or email gill@aecb.net to request that your name be added to a Local Group mailing list.



Pedalhaus Tour de Kent

AECB Members took to their bikes on a sunny 22nd August to visit three straw bale buildings.

The first building was complete – an elliptical building with Passivhaus levels of airtightness and totally hand built.



The second building visited was a 90% finished teaching block using load bearing bales with a PV roof and finally the cyclists arrived at an oak framed house under construction with straw bale infill walls being self managed. The standard of cake and flapjacks provided by the three hosts set a new benchmark for Pedalhaus Kent which will be hard to surpass. The buildings were also interesting, especially the cool interiors considering the weather was up to 30 degrees!

Next on the agenda for Kent Group is making Kent peg clay tiles on Romney Marsh – keep an eye on the [Local Group page](#) for more details.

Full details of all Local Group events can be found at www.aecb.net/events/

Please email gill@aecb.net to request that your name be added to a Local Group mailing list.

News

What went on in Bonn: Climate talks stall ahead of Paris



The UN climate talks in Bonn have been "painstakingly slow" according to some observers, but the final day (Friday) generated some optimism, particularly with regards to funding for poor countries dealing with extreme weather. Negotiators gathered in Bonn over the past four days to work on the text of a climate deal that can be presented to heads of state in Paris in December. The negotiators' role is to simplify and streamline the text into a document that can be easily debated and hopefully agreed upon.

Reports from Bonn have described the progress as 'snail paced' raising concerns that time is running out with just five more negotiating days to come in October before the Paris conference.

Climate charity Action Aid said it was seriously concerned about the 'fragile progress'.

One area where real progress has been made is the debate over compensation for extreme weather impacts. Poorer countries argue that rich countries should pay for the spiralling costs of extreme weather events - \$50bn a year in the 1980s to around \$200bn now - which they say has been caused by rich countries' emissions.

The topic has previously been a sticking point, but reports emerged on Friday that the US and the EU were edging towards a compromise.

Christain Aid welcomed the progress, but warned delegates that time was running out.

Full story at <http://www.edie.net/news/4/What-went-on-in-Bonn--Climate-talks-stall-ahead-of-Paris/>

George Osborne accused of 'disastrous' assault on green agenda



Ed Davey, the former energy and climate change secretary, has accused George Osborne of putting tens of billions of pounds' worth of private sector investment at risk with an assault on the green agenda he pioneered. The Liberal Democrat said the chancellor was pursuing "bonkers economics" and an ill-advised and ideologically driven campaign against renewable energy that risked leaving the UK hopelessly dependent in the longer term on fossil fuels such as gas.

Phasing out aid for zero-carbon homes, onshore windfarms and solar arrays are among a raft of measures introduced by the Tories which represented "disastrous" economics, said Davey in his first interview since losing his seat in parliament. Davey, who lost his parliamentary seat at the last election, revealed that he had been engaged in an almost permanent struggle against leading Tories when he was energy secretary.

Davey, who was tipped as a potential future Lib Dem leader until his election defeat in May, said the Treasury was endlessly trying to underplay the major advances achieved in the energy field because the department was being run by a Lib Dem who was convinced that energy security and climate change were vital issues.

Amber Rudd, Davey's successor as energy and climate change secretary, has previously insisted that the government takes global warming seriously and subsidies have only been cut where they are not needed any more. Davey said he had to battle with some of the top bosses from the big six energy suppliers. A couple of them were happy to lobby the Conservatives against him, he said. He denied, as the Labour party charged, that he was soft on the big six and said the proposals by Labour leadership contender, Jeremy Corbyn, for nationalising energy companies had no merit.

Davey is now in talks with various private sector and other employers about potential work and admits it was a major, and relatively unexpected, blow to lose his Kingston and Surbiton seat to the Conservatives. He said he had not lost his enthusiasm for politics and did not rule out standing for parliament again. Davey said he missed "the privilege" of being able to exercise power as a minister but claims to be uninterested in any trappings of high office and was proud of his ministerial legacy.

He said his only regrets were that he carried on a "woefully inadequate" green deal energy efficiency programme that he received from his predecessors. Davey said the investment already agreed would take renewable energy on the right course until the end of the decade, but the picture would change after that. With a new dependency on gas, and power prices likely to be low, the former energy secretary said the Conservatives could end up having to subsidise gas-fired power stations to keep them working.

But Davey's main complaint is that the government is happy to build roads or rail with taxpayer money – but will attack subsidies for renewables.

Full story at <http://www.edie.net/news/6/George-Osborne-accused-of--disastrous--assault-on-green-agenda/>

Sustainability rating scheme to promote 'healthier' UK homes



A new 5-star rating scheme is being introduced by the Building Research Establishment (BRE) to help house-buyers make informed decisions about the green credentials of their homes. The 'Home Quality Mark' (HQM), which is now open for applications, gives new-build homes an overall star rating based on a variety of environmental and health-related factors, ranging from the energy efficiency of the building to its air quality, incorporation of planet-friendly materials and flood-risk protection.

In practice, the scheme would allow housebuilders across the country to promote the environmental performance and health impacts of their homes and ultimately differentiate themselves in the marketplace. The HQM covers three measurable outputs: 'knowledge sharing', 'my home' and 'our surroundings'. The 'my home' part provides a scoring system on how energy efficient the house is.

Reducing CO2 emissions and cost are worth the most points across the entire scoring system, potentially offering one tenth of the property's overall score out of 500. It is expected that registered HQM homes meeting the highest criteria will be up to 50% more energy efficient than some existing dwellings in the UK. The development of the HQM follows research from BRE which found that over 65% of UK homebuyers and renters said it would be 'important' for their home to have sustainability features, while one in five would be prepared to pay a higher price for a property with a green stamp of approval.

BRE is currently holding a public consultation (<http://www.homequalitymark.com/consultation2015>) for the HQM which closes tomorrow (4 September) as the organisation seeks advice and feedback from consumers and professionals before launching the final version of the standard in October. Roberts said the Government "is aware of the Mark" and "is keeping a close eye on its progress".

But support for eco-friendly homes from the new Tory Government remains questionable. In July, the Treasury announced it would be scrapping zero-carbon building regulations for future UK homes as part of Chancellor George Osborne's 'Productivity Plan'. The move was immediately lambasted by green groups and housebuilding organisations, with the UK Green Building Council labelling it a 'death knell' for zero-carbon homes.

Full story at <http://www.edie.net/news/6/five-star-rating-system-Home-Quality-Mark-can-reduce-household-emissions-by-50-percent/>

Barack Obama in Alaska: global fight against climate change starts here



Shrinking Alaskan glaciers served as a vivid backdrop for Barack Obama's latest push for action on climate change in Anchorage on Monday night as he warned that the equivalent of 75 blocks of ice the size of the national mall in Washington were melting from the state every year. The president, who will visit the nearby Seward glacier on Tuesday to see its shrinkage for himself, urged international participants at the Glacier conference to act fast before it was too late to limit the impact not just on the region but the whole world.

"The Arctic is at the leading edge of climate change, a leading indicator of what the entire planet faces," warned Obama, who said new research showed 75 gigatons of ice were disappearing from Alaskan glaciers annually – each gigaton the equivalent of a block stretching from the Capitol to the Lincoln memorial and four times as high as the Washington Monument.

“Climate change is no longer some far-off problem,” he added. “Climate change is already disrupting our agriculture and ecosystems, our water and food supplies, our energy and infrastructure.”

Obama struck an optimistic tone about the growing global consensus around the need to limit carbon dioxide emissions. “This year in Paris has to be the year that the world finally reaches an agreement to protect the one planet that we’ve got while we still can,” he said.

“This is within our power. This is a solvable problem – if we start now.

“We are starting to see that enough consensus is being built internationally and within each of our own body politics that we may have the political will to get moving.”

In particular the president hinted at further announcements during the remainder of his three-day trip to Alaska, which is designed to highlight the threat from carbon emissions and strengthen the domestic political case for new power station regulations.

“Over the course of the coming days I intend to speak more about the particular challenges facing Alaska and the United States as an Arctic power and intend to announce new measures to address them,” he said.

Nonetheless the president was greeted with environmental protests before his speech, with campaigners criticising his support for offshore oil drilling in the state.

Full story at <http://www.edie.net/news/6/Barack-Obama-in-Alaska-global-fight-against-climate-change-starts-here/28876/>

Feed-in Tariff could be closed to new applicants by January 2016



The Feed-in Tariff (FIT) scheme, which offers subsidy support to small scale renewables, could be closed to new applicants by January 2016, the Government announced today. The Department of Energy and Climate Change (DECC) today launched a consultation on a set of measures it has proposed to control the costs of the FIT subsidy. These measures include revised tariffs based on updated technology costs, a more stringent degression mechanism and deployment caps leading to the phased closure of the scheme in 2018-19.

However the scheme could be shut even earlier than that for new applicants, according to the consultation document (https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/456630/FIT_Review_Con_Doc.pdf).

If costs aren't limited to £100m by 2018/19, the document says “the only alternative would be to end generation tariffs for new applicants as soon as legislatively possible, which we expect to be January 2016”. DECC said that technology deployment costs had fallen by more than 50% in some bands, leading to an installation boom which had created “costs exceeding our expectations”.

As a result DECC said it expects to breach the Levy Control Framework budget, which caps the amount of money that can be added to consumer bills to pay for green energy schemes.

Proposed cuts to FIT rates

New Tariff bands	Current rate (Oct-Dec 2015) p/kWh	New proposed rate from Jan 2016 p/kWh
0-10kW	11.30-12.47	1.63
10-50kW	11.30	3.69
50-250kW	9.21-9.63	2.64
250kW-1MW	5.94	2.28
1MW-5MW	5.94	1.03
Standalone	4.28	1.03

However, the solar industry described the proposals as 'alarming' and "the antithesis of sensible policy'.

The recent Solar Trade Association report [Solar Independence Plan for Britain](#) claimed that solar energy could be subsidy free by 2020 if it received stable support in the meantime, at an average cost of just £1.69 per household energy bill. The latest review follows an earlier consultation in July and August on removing FITs 'pre-accreditation', which gives renewable energy generators a guaranteed tariff level in advance of commissioning their installation.

However the Government's proposals did find some support, notably from the manufacturer's organisation EEF, which earlier today released a report calling for the Government to reform its green policies because they driving up energy costs.

EEF senior climate and environment policy adviser Richard Warren said: "With the costs of government energy policy surpassing previous projections and, the Levy Control Framework budget already looking like it's been maxed out, government is right to be getting to grips with the issue.

DECC's number one priority has to be delivering emissions reduction at the least cost to consumers and the Feed in Tariff (FITs) scheme is palpably incapable of doing this at present.

"Even with significant cost reductions achieved in recent years, the FITs scheme reduced carbon at a woefully inadequate rate of £380/tonne last year almost double even that of offshore wind at around £200/tonne. A review is long overdue."

Full story at <http://www.edie.net/news/6/Feed-in-tariff-could-be-closed-to-new-applicants-by-January-2016/>

Events

SuperHome Open Days – September 2015

Visit the old houses transformed into homes of the future

You can get the inside story on some exceptional home improvement projects this September as SuperHome Open Days return. SuperHomes are older homes refurbished by their owners for greater comfort, lower bills and far fewer carbon emissions - at least 60% less! These are some of the UK homes most improved for energy use. They are fit for the future.

SuperHomes have superior insulation; many have alternative heating sources and some produce their own energy. In every SuperHome you can learn about a range of installed technologies. Tours and Q&A sessions will let you quiz the owners, so you can discover what worked and get frank feedback on anything that didn't. Refurbished Victorian, Edwardian and post-war properties are amongst those open to the public.

Entry is free.

To find out more or to pre-book a place on a free tour, visit www.superhomes.org.uk

Encraft Air Tightness Workshop (Sutton Coldfield B75 7AZ)

This event is part of our annual events programme, organised in partnership with Sustainability West Midlands (SWM).

Air tightness is a critical component of energy efficient construction. The workshop will focus on the importance of airtightness and give a full overview of how to achieve airtightness in a building. A highlight of the event will be the hands-on air tightness demonstration provided by renowned air tightness expert Paul Jennings of Aldas. A contractor's perspective from the high rise retrofit of Wilmcote House in Portsmouth to the EnerPHit standard, will also be provided at the event.

Attendees will also be able to take a tour of the state-of-the-art Sustainable Centre at EH Smith.

Location: [\(map\)](#)

Date: 30th September 2015

Time: 9.00am – 12.00noon

Target audience:

This event is open to all but will be of particular interest to those operating in the construction sector including architects, trades people and M&E contractors.

Booking:

This workshop is free to attend but due to space constraints at the venue, only limited places are available at this first-come-first-served event. Please book [online](#) or register with [Anna Bright](#) or call on 0121 237 5890

Low Energy Masterclass - South Lakeland

12:00-14:00 - 23rd September 2015

This free event will provide delegates with the latest policy updates and practical support to deliver energy efficient new homes. Join us as we look at commercially viable, practical examples to help you deliver to current and future regulations. Attendees will also

receive our good practice "Builders' Book", an easy to read guide, to improving site processes, reduce risk and construct high quality, healthy homes.

Go to <http://www.zerocarbonhub.org/event/28>

Low Energy Know How Coventry

08:00-10:00 - 30th September 2015

This free event will provide delegates with the latest policy updates and practical support to deliver energy efficient new homes. Join us as we look at commercially viable, practical examples to help you deliver to current and future regulations. Attendees will also receive our good practice "Builders' Book", an easy to read guide, to improving site processes, reduce risk and construct high quality, healthy homes.

Go to <http://www.zerocarbonhub.org/event/30>

Material Efficiency Of Energy-Related Products



You're invited to our event on: Material efficiency of energy-related products

What are the impacts on material efficiency of energy-related products? BSI needs your view

Free event

Date: Friday 2 October 2015 (14.00 - 17.00)

Location: BSI Group, 389 Chiswick High Road, London, W4 4AL

The European Commission are drafting a revised standardization request (SR) to support the Ecodesign Directive, promoting increased material efficiency of energy-related products. The SR covers:

- Extending product lifetime
- Ability to re-use components or recycle materials from products at end-of life
- Ability to recover energy from products at end-of life
- Use of re-used components and/or recycled materials in products

The products covered by this SR are truly diverse from construction products to boilers, domestic appliances to medical devices, any product that consumes energy could be affected raising questions about operational and safety impacts.

As the SR itself is unlikely to change any further at this point, BSI needs the views of UK stakeholders to inform our vote on the next iteration of this European ballot.

By attending this stakeholder forum you will:

- Develop a greater understanding of what standardization requests are and how they impact the development of standards
- Hear about the development of the standardization request on material efficiency
- Have an opportunity to represent the view of your industry to BSI
- Be able to engage in discussion with other stakeholders

What are the impacts of material efficiency on energy-related products? BSI needs your view.

To find out more [click here](#).

<http://www.llanidloes.net/Sept/stories/21.htm>

Publications

New From New from IHS BRE Press

BREbookshop.com

- **Lighting and health (FB 74)**

Cosmin Ticleanu, Stephanie King, Paul Littlefair and Gareth Howlett, BRE, Feride Şener Yilmaz, Istanbul Technical University, and Marielle Aarts and Jüliette van Duijnhoven, Eindhoven University of Technology

ISBN 978-1-84806-420-1

Lighting can affect the health of people in buildings. This goes beyond the safety aspects of providing enough illumination to see by; lighting affects mood and human circadian rhythms, while poor lighting can, in principle, cause glare, headaches, eyestrain, skin conditions and various types of sight loss.

This publication reviews existing research on the health effects of lighting (including daylighting) typically found in buildings. It explains medical and psychological research in a clear and accessible way using questions such as: Can LEDs keep you awake at night and damage your brain? Can special lighting help people with dementia?

Go to <http://www.brebookshop.com/details.jsp?id=327549>

- **Sound insulation in dwellings Part 2: New-build (GG 83-2)**

Gary Timmins and Ian West

ISBN 978-1-84806-428-7

This three-part Good Building Guide provides practical guidance for designers, construction managers, construction operatives and property developers on understanding the requirements of national building regulations concerning the provision of sound insulation in dwellings.

Part 2 explains how to provide a reasonable level of sound insulation between new dwellings. New dwellings are subject to routine sample pre-completion testing to ensure that they comply with the minimum performance targets in the appropriate national building regulations and any site-specific requirements.

The regulatory requirements and more general information are provided in Part 1 of this publication. Part 3 will give advice on providing the correct level of sound insulation for converted dwellings.

Go to <http://www.brebookshop.com/details.jsp?id=327551>

If you have any news, events or courses you would like to publicise in Network then please email details to network@aecb.net.