



exeter community energy

# THE BIG COMMUNITY ENERGY WEEKEND

Sat 17th & Sun 18th May

Changing  
the way we  
produce,  
use and  
think about  
energy

## Energy Fair and ECOe's Launch

Sat 17th May  
Montgomery School  
10.30am to 4.00pm

Meet installers, suppliers  
and advisors

Ben Bradshaw MP  
opens the event

Working  
together  
we can reduce  
our energy  
bills and  
our carbon  
footprint

## Green Open Homes

Sat 17th & Sun 18th May

30 green homes in Exeter  
and further afield to visit  
and be inspired by

info@ecoe.org.uk  
www.ecoe.org.uk



ready for retrofit  
warmer greener  
homes

# A Big Thank You

## To our sponsors:

We would like to thank Sound in Theory and particularly Si Paull, Stephens Scown LLP, Mike Wye and Associates, GroCycle and KM Design & Innovation for sponsoring our Big Community Energy Weekend.

## To our volunteers and green homeowners:

We very much appreciate all the volunteers that have helped with organising the BCEW and will be on hand during the weekend and all of the green home owners who are opening their doors.

## To our partners:

Sustainable Crediton, Teign Estuary Transition, Transition Exeter, CSE, Ready for Retrofit, Green Open Homes, Bicton EaRTH, Montgomery School, Exeter City Council and Devon County Council.

The weekend would not have been possible without you all.

## Contact Details

For more information contact: Gill on 07806 623311 or Joe 07890 591890, email: [info@ecoe.org.uk](mailto:info@ecoe.org.uk) and visit our website [www.ecoe.org.uk](http://www.ecoe.org.uk)



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## ECOЕ's Big Community Energy Weekend 17th & 18th May 2014

Welcome to the Big Community Energy Weekend - changing the way we produce, use and think about energy. There is something for everybody during the weekend and we hope the event will inspire each of us to make practical changes to save energy, reduce our energy bills and adopt low-carbon alternatives that benefit the environment.



All  
events  
are free!

## What's On

### Thursday 15th May- University of Exeter

ECOЕ at evening event of The Future of Climate Science, IPCC conference.

### Saturday 17th- Weekend Opening & Launch

Ben Bradshaw MP opens the weekend at 12pm at Montgomery school, followed by the **launch of ECOЕ** and a progress report on Solar PV 1, Exeter's first source of community-owned solar energy.

### Saturday 17th May- Energy Fair

At **Montgomery School**, an opportunity to meet with installers, suppliers and advisors, listen to expert speakers. Plus tours of the school to see its eco features. Children activities and a café.

### Saturday 17th & Sunday 18th- Green Open Homes

Across Exeter and beyond homeowners open their doors to show the ways they have made their homes 'green' and to provide inspiration.

### Sunday 18th- Bicton EaRTH Centre Tours

**Bicton EaRTH** welcomes ECOЕ for tours of their refurbished sustainable education centre plus ECOЕ's progress report.

# Launching Exeter Community Energy

Exeter Community Energy is a new innovative social enterprise that enables local people to take ownership of renewable energy projects.

As a community-owned coop, we want to benefit the city, its people and the environment. Community energy projects are making a difference across the country, strengthening communities, helping the local economy and reconnecting people to the energy they use, as they become producers as well as consumers.

We bring together people who are interested in building a sustainable future for our community, who care about climate change and the depletion of resources, and who want to reduce fuel bills, promote energy efficiency and address fuel poverty.

We have made a lot of progress towards creating Exeter's first source of community-owned solar power and we are very excited to share some details with you.

There are three opportunities to come and find out more from us in person:

**Thursday 15th May, 5:30pm-8:30pm**

**The Future of Climate Science, IPCC conference**

Exeter University (please book ahead: [www.exeter.ac.uk/climate2014/public](http://www.exeter.ac.uk/climate2014/public))

**Saturday 17th May, 12pm**

**Ben Bradshaw MP and ECOE presentation**

Montgomery School, Redvers Road, EX4 1BS

**Sunday 18th May, 12:30pm**

**ECOE presentation**

Bicton EaRTH, Home Farm, Bicton College, East Bickleigh, EX9 7BY



## Energy Fair

On Saturday Montgomery School, the first 'truly' zero carbon passivhaus school in Europe, will host the Energy Fair, with energy experts on hand to give advice, suppliers exhibiting their products and a series of talks. All to help you find low carbon alternatives, save energy and cut costs in your home.

You can drop in to the school hall any time between 10:30am and 4pm to see exhibits from renewable energy installers and green suppliers as well as more basic stuff like LED light bulbs and loft insulation. There will also be independent advice from experts providing the most practical energy solutions for your home and explaining how ECO and the Green Deal can help you finance them.

## Speakers

We're also delighted to announce the line-up of speakers in the conference room next door.

### 11am

Exeter City Council's Passivhaus social housing programme. Emma Osmundsen, Housing Development Manager, ECC.

### 12pm

Ben Bradshaw MP opens the Big Community Energy Weekend Followed by ECOE's launch and progress report on our Solar PV1 project.

### 1pm

Renewables for your home. Gabriel Wondrauch, Managing Director of the award winning SunGift Energy.

### 2pm

Funding and financing options for energy efficiency and renewables in the home: Understanding the Green Deal and ECO. Alastair Mumford, Ready for Retrofit.

### 3pm

Energy saving in the home. Geoff Stow, independent energy efficiency advisor.

There will be tours of the school at 11.30am, 1pm, 2pm and 3pm where Chris Rea from NPS, the designers of Montgomery School show you all of the eco-features of the school.

A café serving healthy food and cakes will provide refreshments, so no need to head into Exeter for lunch.

## Children's Activities

There will be fun activities for children while you look round the exhibits.

### 10:30am-12pm

Love Local Food running a fun workshop on the amount of energy needed to transform food in processes such as buttermaking, grain grinding hand powered smoothie making. \*\*\*TBC please enquire in advance\*\*\*

### 12pm-4pm

The lovely people from Exeter Scrap Store will be running an open workshop for kids to make art and craft using a fabulous collection of stuff from their shop in Belmont Park.

Montgomery School



## Installers, Suppliers and Advisors at the Energy Fair

**Sustrans** - a leading charity enabling people to choose healthier, cleaner and cheaper journeys. <http://www.sustrans.org.uk>

**Ready for Retrofit** - Warmer Green Homes, Regen SW: Helping refurbishment of south-west homes. <http://www.regensw.co.uk/projects/microgeneration-and-energy-efficiency/energy-efficiency/ready-for-retrofit>

**Geoff Stow, AECB** (Association for Environment Conscious Building) - Advice on saving energy in the home and on environmental self build projects. <http://www.homebuildingshow.co.uk/experts-presenting/geoff-stow>

**CosyHome Company** - Elegant, effective and inexpensive insulation solutions for your period home. <http://www.cosyhomecompany.co.uk>

**Ride On** - Cycling for all. A charity promoting the benefits of cycling for everybody. Refurbished bikes for sale, Doctor-bike repairs available and mini workshops 'How to check your bike'. <http://rideoncycling.org>

**Co-Cars** - the go as you pay car club. Providing freedom from owning a car whilst enjoying the accessibility and benefits of car travel. <http://www.co-cars.co.uk>

**Fair Energy** - Renewable heating solutions. We are Exeter's leading renewable heating specialists with expertise in the design and installation of carbon neutral technologies, including biomass boilers and solar thermal systems. <http://www.fairenergy.org.uk>

**Insulated Homes** - The Insulated systems specialist, providing a lightweight insulated system that combines amazing insulation properties with a maintenance free guarantee on external decoration and repair. <http://www.insulatedhomes.net> 01647 24599

**Mike Wye and Associates** - Suppliers of natural building and decorating supplies. Providers of knowledgeable advice on dampness, insulation, using lime, decoration etc. <http://www.mikewye.co.uk/index.htm>

**ExeTRA** - A group run by private tenants for private tenants in Exeter that provides signposting and support to give a voice to private tenants enabling them to get a fairer deal through campaigning for change. <http://www.exetercvvs.org.uk/exetra>

**Pico Energy Ltd** - a Devon based engineering consultancy specialising in the design and installation of micro hydropower systems. Also solar, wind and biomass systems. <http://www.picoenergy.co.uk>

**GroCycle** - UK's first urban mushroom farm. Growing oyster mushrooms from Exeter's waste coffee grounds. Grow your own kits: oyster mushrooms in just 14 days. <http://grocycle.com/>

**NPS** - delivering a comprehensive and flexible range of property services, from new build to refurbishment to meet the needs of public and private sector clients across the UK. Tours of Montgomery Primary School available. [www.nps.co.uk](http://www.nps.co.uk)

**SunGift Energy** - award-winning experts in the design and installation of bespoke renewable energy systems in Exeter and throughout the UK. <http://www.sungiftsolar.co.uk>

**Devonshire Windows** - clearly different. A family business offering bespoke glazing solutions. <http://www.devonshirewindows.co.uk>

## ECOЕ's Celebration Party

Oddfellows, New North Road, Exeter

Saturday 17 May

8ish till late

Come and join us for a drink on Saturday night and maybe even a dance. The wonderful Slipdown Dog will be playing live, and Exeter Local Records will be there with a pop-up record shop featuring the best of local artists. And of course the ECOЕ team will be at the bar with plenty of information about the weekend and our solar plans.

### Raffle!

A raffle will run all through the Big Community Energy Weekend with tickets on sale at all our events. Prizes include a Transition Exeter home energy audit, a Green Building Bible, a mushroom growing kit and many more! As well as buying tickets you'll have a free entry for every green open home you visit when you fill in a feedback form.



## Green Open Homes

Saturday 17th and Sunday 18th May

Exeter, Crediton, Teignmouth and more

Together with Sustainable Crediton and Teign Valley Transition, Exeter Community Energy has put together a packed programme of green open homes covering a wide area and taking place across the whole weekend.

We have 22 homes representing everything you could possibly want, from renovated town houses, new-build Passive Houses, bungalows, mansions, terraces and schools.

There are technologies to inspire and measures so simple they can be applied in any home. From LED light bulbs to a wind turbine, from home-grown biomass to rain harvesting, you can find it somewhere near Exeter this weekend.

### Join our guided tour of three of Exeter's best

Meet us at the reception desk at Montgomery School at 2pm on Saturday 17th May for a tour of the eco features of the school and then visit two homes in Exeter showcasing a wide range of eco installations. We will be organising a car share so please let us know in advance if you need transport or if you are willing to share your car. Contact [info@ecoe.org.uk](mailto:info@ecoe.org.uk)

#### (1) Montgomery School

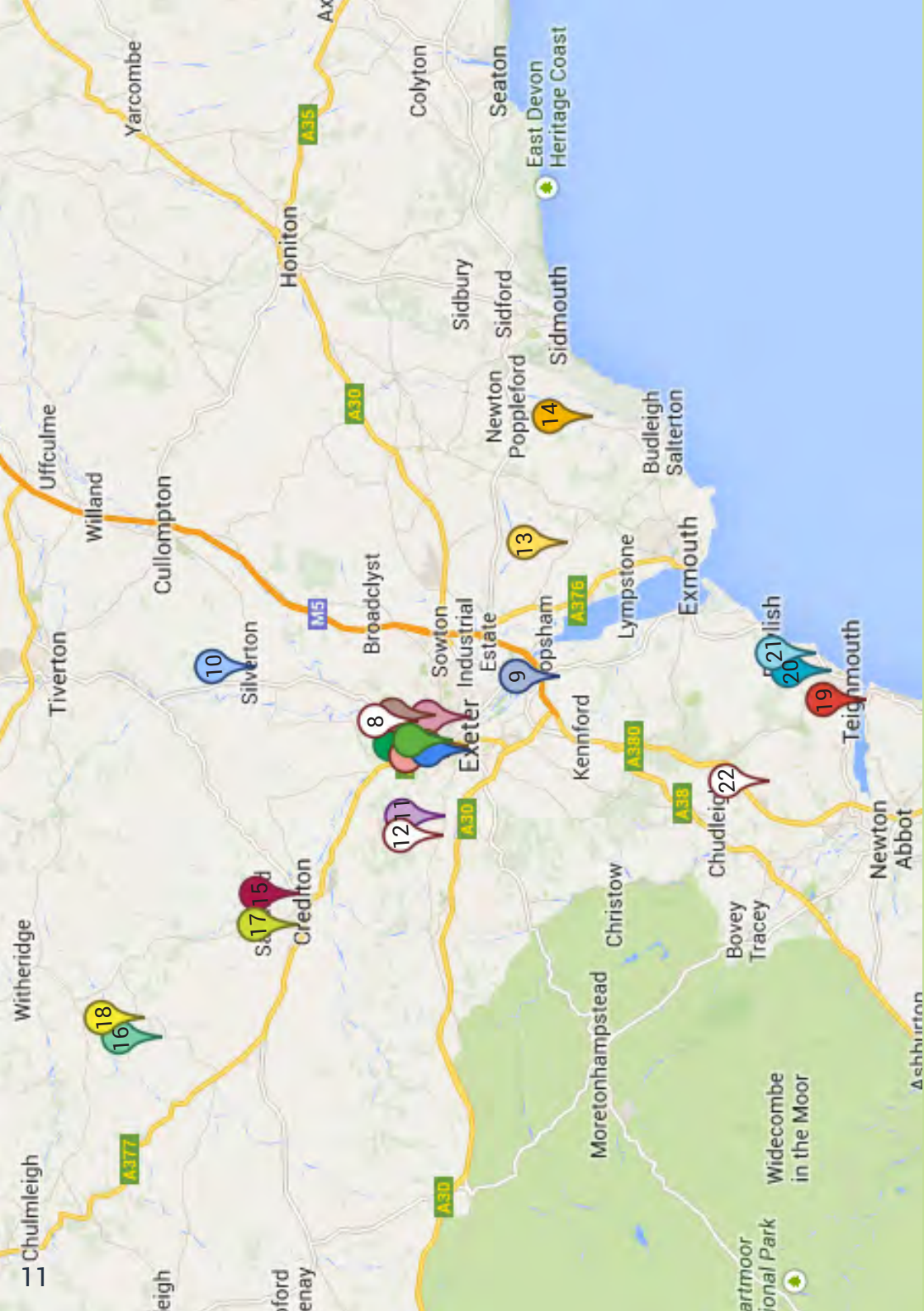
Redvers Road, Exeter, EX4 1BS

Europe's first truly zero carbon school, built to certified passivhaus standards in 2011 for 450 pupils, powered entirely by their rooftop solar array and with intelligent design and heating controls. Chris Rea from NPS, the designers of the school will take you round and explain all of the features.

There will be additional tours by Chris of the school at

11.30, 1pm and 3pm

(Cont on page 14)



	Insulation	Wood burning	Solar PV	Solar thermal	Wind power	Water/sewerage management	Energy efficient appliances	Heat pumps	Professional advice
1. Montgomery School	x						x		
2. St Davids, eco-house	x	x	x	x		x	x		
3. Exwick, retrofitted semi	x	x	x			x			
4. St Leonards, Victorian terrace	x		x				x		
5. Exeter, timber-framed eco-build	x	x	x	x		x	x		
6. Lodge Hill, retrofitted bungalow	x	x	x	x			x	x	x
7. St Thomas, Victorian terrace	x		x				x		
8. Pennsylvania, 70's bungalow	x					x	x		x
9. Exminster, 60's detached 4 bed	x	x	x	x			x		x
10. Silverton, passivhaus house	x		x	x		x	x		x
11. Whitestone, 60's bugalow	x	x	x	x			x		
12. Whitestone Parish Hall	x		x				x		
13. Woodborough, Victorian House	x	x	x	x					
14. Bicton EaRTH	x	x	x	x		x		x	x
15. Crediton, 70's detached 4 bed	x	x	x	x			x		
16. Morchard Bishop, bungalow	x		x					x	
17. Crediton, 50's retrofit	x	x	x				x		
18. Beech Hill Community	x	x	x	x	x	x	x		
19. Shaldon, Café ODE	x	x		x		x	x		
20. Teignmouth, covered Victorian	x	x		x					
21. Woodlynch, split-level house	x	x	x	x					
22. Ideford, Victorian stone house	x	x	x			x			

## Guided Tour Cont

### (2) Seven year old single storey eco-house

St Davids, Exeter

Jilly and Robert Edwards' house is a single storey eco-house built seven years ago, since fitted with solar PV and a studio in the garden built to the same high specification of insulation. It also features solar thermal, under floor heating and a wood burning stove, a sedum roof on the studio and water butts, which keep the garden going. They're also making cakes for you!

### (3) 1929 three-bed retrofitted semi with loft conversion

Exwick

Emma Welton's home has been fitted with cavity wall and roof insulation, a wood burning stove, solar PV, grey water system and double glazing. She also has plans for more work in the

## Exeter open homes

### (4) 50 St. Leonards Road, Exeter EX2 4LS

Hilary Noakes and Peter Nickol live in a 3-storey Victorian-style terraced house, approx 1905, which has been fitted with roof insulation, solid wall insulation, energy efficient boiler, solar PV and energy efficient appliances.

**Appointments available 12pm-5pm Sat and 3-5pm on Sun**  
**Book ahead: 01392 255512 [hilary@phonecoop.coop](mailto:hilary@phonecoop.coop)**

### (5) Culverland Close, Exeter EX4 6HR

Malcolm & Christina Haste's home is a single storey, timber-framed eco-build with 2 bedrooms built in 2012. It features a range of insulation, wood burning stove, solar PV and solar thermal, grey water systems, LED lighting and more. One not to be missed.

**Appointments available 10am-1pm Saturday**

**Book ahead: 01392 757394 [mhaste@talktalk.net](mailto:mhaste@talktalk.net)**

### (6) The Mount, Lodge Hill, Exeter EX4 4AB

Gabriel Wondrausch, ECOE Director and MD of SunGift Solar invites you to look around his 1920s dorma bungalow which he has retrofitted with substantial insulation, under floor heating, wood burning stove, solar PV, solar thermal, air source heat pump and more. Gabriel is extremely knowledgeable about renewable energy and will be happy to answer any questions.

**Drop in any time on Sunday 18th May 12pm-4pm**

### (7) 27 Oakfield Road, Exeter EX4 1BA

Gabi Reckangel's home is a small mid-terrace built 1901, featuring cavity wall insulation, solar PV, energy efficient appliances, double glazing and draught proofing.

**Drop in Saturday 12pm-2pm. Call 01392 677654 to enquire about appointments outside these times**



### **(8) 204 Pennsylvania Road, Exeter EX4 5DZ**

Geoff Stowe's detached 1970, timberframe, four-bed bungalow has been comprehensively retrofitted with insulation, double glazing, draught proofing and water saving measures. It has an energy efficient boiler and other appliances. Geoff is a qualified energy assessor and is extremely knowledgeable on energy efficiency issues

**Drop in Sunday 12pm-4pm**

### **(9) 47 Crockwells Road, Exminster, Devon, EX6 8DH**

Nigel Skudder is a professional installer of renewable energy and his 1960s 4 bed house is fitted with insulation, wood burning stove, solar thermal, solar PV, energy efficient appliances and an energy efficient boiler.

**Drop in Saturday 12pm-4pm**

## **Silverton**

### **(10) 7 Tuns Lane, Silverton EX5 4HY**

Chris Brookman, founder of Back To Earth, is an expert in sustainable building and passivhaus design. His family home is a re-development of a 1950s bungalow set in the Devon countryside. It is a certified Passive House with hi-spec design and fully integrated energy efficiency, with solar thermal and PV. More info can be found here: <http://www.backtoearth.co.uk/case-study/silverton-passive-house-devon>.

**Tours Saturday 10:30am and 2pm only**

## **Whitestone**

### **(11) The Beacon, Whitestone, Exeter EX4 2JJ**

Peter Hanson's home is a large bungalow, built 1964 and featuring cavity, solid wall and roof insulation, energy efficient boiler, wood burning stove, solar PV, solar thermal, passive solar, double glazing and draught proofing.

He also has LED lighting, trace heating of hot water supply pipes and externally insulated freezers.

**Drop in Saturday or Sunday 2pm-4pm**

### **(12) Whitestone Parish Hall, Whitestone EX4 2JS**

Peter Hanson will be giving a tour of the community centre which benefits from a roof mounted solar PV system and an innovative immersun, which uses solar electricity from the PV's to heat water – don't be late he needs to get home to show people round there too!

**Tour Sunday 12pm only**

## **Woodbury**

### **(13) Thornlea, Town Lane, Woodbury, Exeter EX5 1NB**

Maureen and Alan Wright redeveloped a Victorian home to make two high spec energy efficient houses with a range of insulation, wood burning stove, solar PV, solar thermal, double glazing, draught proofing and cob wall.

**Drop in Sunday 2pm-4pm. Call 01395 232001 to enquire about appointments outside these times**

## **East Budleigh**

### **(14) Bicton EaRTH, Bicton Home Farm, East Budleigh, Budleigh Salterton EX9 7BG**

Bicton EaRTH is a centre for renewable energy skills training, environmental education and demonstration in practice of sustainable building practices. It is a refurbishment of 2 redundant agricultural buildings, completed in January 2012, incorporating a range of energy efficiency, passive design and integrated technology measures to create a BREEAM Very Good building that achieves an A rated EPC.

**Tours Sunday 11.15am and 2pm, ECOE presentation 12:30pm (see page 3)**

## Crediton Open Homes

### **(15) 26 Old Tiverton Road, Crediton EX17 1EG**

Gerald Conyngham has a detached four bedroom house, built in the late 1970s and featuring cavity wall insulation, roof insulation, energy efficient boiler, wood burning stove, solar PV, solar thermal and double glazing.

**Drop in Sunday 2pm-5pm**

### **(16) 13 Old Rectory Gardens, Morchard Bishop, Crediton EX17 6PF**

Peter Moffet's home is a bungalow featuring cavity wall insulation, roof insulation, solar pv, air source heat pump and double glazing.

**Drop in Sunday 2pm-5pm**

### **(17) Redlands, George Hill, Crediton EX17 2DT**

Rob Rickey's home is a two-storey brick house built in 1955. They have done a complete retrofit using the Passivhaus Planning Package (although it is not a certified Passivhaus). The floor plan was drastically changed to make the house more liveable, and they self-built a studio using Durisol blocks. The front lawn was stripped and terraced and is now a fruit and vegetable garden. Gas usage has been reduced by 75%, and they plan to add a solar hot water collector to reduce it further. There is a 2.9kWp solar PV array.

**Drop in Saturday 11am-4pm**

### **(18) Beech Hill Community, Morchard Bishop, Crediton EX17 6RF**

[www.beechhillcommunity.org.uk](http://www.beechhillcommunity.org.uk)

Beech Hill is an intentional community. It is the home of 18 individuals who live, work and have fun together. We live together because by sharing and co-operating, we manage to live more lightly on the land and our lives are enriched in many ways. We have compost toilets, which we encourage visitors to use, and we process our sewage with a reed bed sewage treatment system. We now have a wind turbine to generate electricity, solar panels to heat water and a high efficiency, low emissions log boiler for central heating.

**Tour Sunday 11am only**

## Teignmouth Open Homes

### **(19) Cafe ODE, Ness Cove, Shaldon, Teignmouth TQ14 0HP**

Cafe ODE is part renovation, conversion and new sustainable build. It is a family friendly cafe and take away with quality regional seasonal produce cooked and served by chefs, eco conscious interior designs, electric car charging points for customers, bike racks. It has utilised all sorts of insulation, draught proofing, a wood burning stove, solar thermal, rainwater harvesting and energy efficient appliances. There is lots of information on display about the eco-features of the building and the business.

**Drop in Saturday 9am-10pm or Sunday 10am-5pm for a drink and something to eat**

**(20) Highleigh Lodge, Second Drive, Teignmouth TQ14 8TL**

Anthony Turner and Mary Lidgate live at Highleigh, a large double-fronted Victorian converted over seven years into a virtually zero carbon eco-house. It has solar thermal and smart heating controls. An Okofen wood pellet boiler with 4 tonne pellet store in a green timber garage provides heating and hot water. Sash windows renovated with modern sealing strip and aluminium secondary glazing.

**Drop in Saturday or Sunday 2pm-4pm**

**(21) Woodlynch, Smugglers Lane, Dawlish EX7 0JL**

Neil Howell's home is a split-level detached house, most of which is 15 years old, with three bedrooms and a lot of glass! Features include cavity wall insulation, roof insulation, under floor insulation and heating, wood burning stove, solar PV and solar thermal.

**Drop in Saturday 10am-6pm or Sunday 10am-1pm**

**(22) The Mill, Ideford, Chudleigh, Newton Abbot TQ13 0AZ**

Robin and Ronnie Aaronson's Victorian stone built house has two modern extensions, and features roof insulation, solid wall insulation, solar PV, grey water systems and triple glazing. Heating is provided by a biomass boiler that burns willow grown on their own land. It has internal wall hot water pipes that pump the hot water around keeping their house warm.

**Drop in Saturday or Sunday 10am-4pm**



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Thanks to all who have helped with organising the Big Community Energy Weekend, especially our sponsors- Sound-In-Theory, Stephens Scown LLP, Mike Wye and Associates and KM Design and innovation.

For more information contact:  
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and visit our website [www.ecoe.org.uk](http://www.ecoe.org.uk)

**community  
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## GREEN OPEN HOMES

Sat 17th & Sun 18th May In Exeter and further afield

30 homes open to the public...

... everything from solar panels to loft insulation and smart meters

Homes in Exeter, Crediton, Teignmouth and Exmouth etc.  
(with Sustainable Crediton and Teign Estuary Transition)

Tours of eco buildings Montgomery School, and Bicton EaRTH at 11am and 4pm

Details of the tours and homes are on our website and in the BCEW booklet



Save energy and money and find low carbon solutions for your home



## ENERGY FAIR

Sat 17 May 10:30am to 4pm

Montgomery School, Redvers Rd, Exeter EX4 1BS

Drop in for advice from energy installers, suppliers and advisors  
(details on our website and in the BCEW booklet)

Café serving healthy and delicious food

Fun children's activities

Talks from experts:

11am.... Exeter's Passivhaus Social Housing: Emma Osmundsen, Exeter City Council

12pm.... Ben Bradshaw opens the weekend, followed by ECOE's launch and report on progress of Solar PV 1

1pm..... Renewables for your home: Gabriel Wondrausch, Sungift Solar

2pm..... Funding and financing options: Alastair Mumford, Ready for Retrofit

3pm..... Energy Efficiency in the Home: Geoff Stow

## ECOE LAUNCH

Find out about ECOE's progress in establishing Exeter's first source of community-owned solar power and our future plans

Montgomery School 12pm, Sat 17th May

Bicton EaRTH 12.30pm, Sun 18th May

Details on website and in the BCEW Booklet available online, at The Real Food Store, Phoenix and Café 36 in Exeter, the Greenhouse in Crediton and TAAG in Teignmouth.

Contact Gill 07806 623311, Joe 07890 591890

[info@ecoe.org.uk](mailto:info@ecoe.org.uk) [www.ecoe.org.uk](http://www.ecoe.org.uk)

Further information