



See how  
to save bills  
and help the  
environment

# Eco Open Houses in Brighton and Hove

9–12 September + 30–31 October 2010



**14 HOUSES** • **RENOVATIONS & NEW-BUILD** • **FREE ENTRY**

[www.ecoopenhouses.org](http://www.ecoopenhouses.org)



# Welcome to eco open houses 2010

**This year it is our pleasure to introduce the third Eco Open Houses event, and the debut of Eco Trails!**

You can visit 'eco' houses in Brighton and Hove during the four Heritage Open Days (9–12 September) and two days of Energy Saving Week (30–31 October). Some of the houses are old, some are new, some have won awards, others seem ordinary. What they have in common is that the people living in them have low energy and water bills, whilst enjoying warm happy homes in winter.

**Eco Open Houses** aims to show how simple behaviour changes and changes which can easily be made to your home can reduce your energy and water bills. By listening to the experiences of neighbours and seeing the practical steps they have taken in their homes, we can all learn how to achieve reductions in our own homes.

After you have visited a home please complete a pledge form as either a paper copy or online to state what improvements you would like to make to your home and the timescale over which you will make them. **Everyone that completes a pledge form is entered into our prize draw to win a smart meter, a place on one of our sustainable building courses or a signed copy of the book *Earthships – Building a Zero Carbon Future for Homes*.**

Whether you are a home owner or tenant wanting to find out what you can do in your home to save money and feel warmer, a builder looking for better ways to build for your clients or just simply curious, come and be inspired by visiting an eco-home near you!

*Mischa Hewitt* ON BEHALF OF THE ECO OPEN HOUSES TEAM

Eco Open Houses is an annual collaborative project between Brighton Permaculture Trust, Low Carbon Trust and Brighton & Hove City Council. This year the event is run in conjunction with Brighton & Hove Open Door organised by the Regency Town House and is kindly supported by the Energy Saving Trust.

For more information about the properties, visit

# Visiting the houses

The event is free and all are welcome. We can visit these houses thanks to the kindness and generosity of the householders, so please be respectful at all times and observe some rules:

- **Opening days vary and some can *only* be visited as part of a pre-booked guided tour. Please read the dates at the bottom of the pages of this brochure carefully before turning up!**
- If a house requires pre-booking then please visit our website [www.ecoopenhouses.org](http://www.ecoopenhouses.org), follow the instructions and reserve your place.
- Pre-book tours last around an hour and are led by either the householder or a professional associated with the project. They are based around the eco features listed in the brochure.
- Times for open houses are: morning 10am–1pm, afternoon 2pm–5pm.
- This year we have introduced 'Eco Trails' on Saturday 11 September in Hove and Sunday 12 September in Brighton. These trails have bunched some houses together so that it is easy to visit a few over the course of a day.
- Please note that some of the houses featured are currently having building work done on them and so take care when visiting.
- Children must be supervised by an adult.
- Sorry, no dogs (please ask householder for permission to admit guide dogs).
- We encourage everyone to travel to each house by public transport or bicycle. Details of buses and the nearest train station are listed with each Eco Open House.



# Eco Open Houses features

Here is a brief guide to the features of the Eco Open Houses. See our website for more detailed explanations.

**Airtight construction** – lots of precious heat is lost through drafts so this is a priority for saving money.

**Condensing boiler** – a type of boiler that captures much more usable heat from its fuel than a non-condensing boiler. Its high operating efficiency is made possible by the design of the condensing boiler's larger – or sometimes dual – heat exchanger.

**Energy controls** – heating systems with simple easy controls in an accessible place can be more efficient as people use them more effectively.

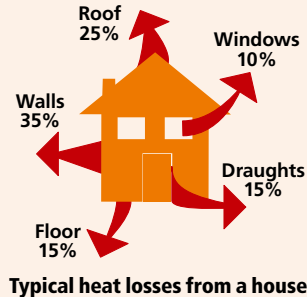
**Green roof** – a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. It may also include additional layers such as a root barrier and drainage and irrigation systems.

**Grey water recycling** – collecting waste water from sinks, showers and baths and reusing it for toilet flushing or watering the garden. Grey water is waste water that has not been mixed with sewage.

**High performance glazing** – windows that are designed to minimise heat loss, for example through

an insulated frame, a low E coating, an inert gas filled cavity, triple glazing, or any combination of these.

**Insulation** – a lightweight material that reduces heat flow. The better insulated a house is the cheaper it will be to run and it will be snuggler in winter. All external elements of a building can be treated, including the ground floor, the walls and loft.



**LED lighting** – a low energy form of lighting that is very cheap to run and the bulbs last a long time.

**Low energy appliances** – all appliances are rated from A to G, with appliances rated A and A++ for refrigeration using the least energy.

**Low water use toilets & shower** – taps, showers or toilets that are designed to use less water than typical plumbing fittings.

**Natural materials** – any product that comes from plants or animals, including sheep's wool insulation, sweet chestnut cladding, sustainably sourced timber paints and clay plaster.

**Passive solar design** – a design form that uses less mains energy through taking advantage of the sun energy by using carefully using building orientation, solar gain, super insulation, thermal mass and passive ventilation to provide heating and cooling.

**Photovoltaic (PV) panels** – panels, usually mounted on a south facing roof that uses a technology that converts sunlight directly into electricity.

**Rainwater harvesting** – collecting water that falls on a roof and using it at home for washing clothes, flushing a toilet or watering the garden.

**Solar thermal panels** – using the sun's energy to directly heat water. Can be a flat plate system or evacuated tube system.

**Ventilation system with heat recovery** – system that provides fresh air with a heat exchanger that takes the heat from the air leaving the building to warm the incoming air.

**Wood burning stove** – any type of grown plant matter, ranging from logs, wood pellets and wood chip through to elephant grass and other materials. It can be combusted to produce heat or power.

# Plan your visit **OPENING TIMES**

See the map in the centre spread. Houses marked **BOOK** must be pre-booked at [www.ecoopenhouses.org.uk](http://www.ecoopenhouses.org.uk).

		September		Thu 9		Fri 10		Sat 11		Sun 12	
		10-1	2-5	10-1	2-5	10-1	2-5	10-1	2-5		
HOVE TRAIL	1	One Brighton, Stroudley Rd, BN1 4GH	BOOK		BOOK						
	2	Earthship Brighton, Stanmer Park, BN1 9PZ		BOOK		BOOK					
	3	15 Lloyd Close, Hove BN3 6LZ	BOOK					BOOK			
	4	73 Wilbury Crescent, Hove BN3 6FH	Open		Open		Open				
	5	20 Avondale Road, Hove BN3 6ER				BOOK		BOOK			
	6	5 Dyke Road Avenue, Hove BN3 6QA						BOOK	BOOK		
	7	15 Deanway, Hove BN3 6DG						Open	Open		
BRIGHTON TRAIL	8	3 Lovers Walk, BN1 6AH								BOOK	BOOK
	9	Yew Tree House, 5b Preston Park Avenue, BN1 6HJ								BOOK	BOOK
	10	1a Whichelo Place, Queens Park, BN2 9XE								Open	Open
	11	111 Ditchling Rise, BN1 4QP								Open	Open

## October

		Sat 30		Sun 31	
		10-1	2-5	10-1	2-5
11	111 Ditchling Rise, BN1 4QP			OPEN	OPEN
12	6 Southdown Avenue Brighton BN1 6EG	BOOK	BOOK		
13	4 Whichelo Place Brighton BN2 9XF		BOOK		BOOK
14	76 Westfield Crescent Brighton BN1 8JA		Open		Open





## One Brighton (marketing suite) Stroudley Rd Brighton BN1 4GH

If everyone in the world used the same resources used by people in the UK we would need three planets to survive! The One Brighton development has been designed using ten guiding principles developed by BioRegional and WWF international to lower the people's ecological footprint to within the capacity the earth can sustain:

- |                              |                                 |
|------------------------------|---------------------------------|
| 1 Zero carbon                | 6 Sustainable water             |
| 2 Zero waste                 | 7 Natural habitats and wildlife |
| 3 Sustainable transport      | 8 Culture and heritage          |
| 4 Sustainable materials      | 9 Equity and fair trade         |
| 5 Local and sustainable food | 10 Health and happiness         |

The apartments' features include triple glazing, highly insulated breathable walls, a community heating system from biomass and hot water for heating, solar panels for electricity and roof allotment plots.

**BUSES:** 5, 5a, 5b or any bus to London Road (York Hill) or 8, 37 to New England St.

**TRAINS:** Brighton Station

### FEATURES

- + zero carbon
- + high performance glazing
- + biomass heating & hot water
- + photovoltaic panels
- + ventilation system with heat recovery
- + breathable clay block walls
- + sustainably sourced timber

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	<b>BOOK</b>	<b>BOOK</b>	Closed	Closed
2pm–5pm	Closed	Closed	Closed	Closed



## Earthship Brighton Stanmer Organics Stanmer Park Brighton BN1 9PZ

The award winning Earthship Brighton was designed and built by the Low Carbon Trust as a project aiming to create a model passive solar, low carbon building for use as a community centre at Stanmer Organics in Stanmer Park.

Earthships are off-grid self-sufficient 'green' buildings, constructed using waste car tyres and other recycled materials. They use natural systems to provide all utilities – solar energy for heat and power and rain for water. They heat and cool themselves, and use plants on site to treat sewage. They also employ extensive energy efficiency and water conservation measures, ensuring that the rainwater and renewable energy they harvest go as far as possible.

For more details of the project see [www.lowcarbon.co.uk](http://www.lowcarbon.co.uk) or the book *Earthships: building a zero carbon future*.

**BUSES:** 25, 25c (to Stanmer Park main entrance)

**TRAINS:** Falmer Station

### FEATURES

- + passive solar design
- + photovoltaic panels
- + wind turbine
- + solar thermal panels
- + wood burning stove
- + rainwater harvesting
- + grey water recycling
- + natural materials

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Closed	Closed	Closed	Closed
2pm–5pm	<b>BOOK</b>	<b>BOOK</b>	Closed	Closed



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## 15 Lloyd Close Hove BN3 6LZ

This is a recently completed new build detached eco house designed by award winning eco architects Mark Pellant and Abi Torr of Koru Architects for their family.

The house is zero carbon, benefiting from a good orientation, very high levels of insulation and air-tightness – which exceed building regulations.

A wood pellet boiler and solar thermal array provide the small amount of heat required. A large underground rainwater harvesting tank provides water for flushing the toilets. The photovoltaic array exports energy to the 'grid'. Materials are mostly natural, low impact and environmentally friendly and reflect the architects' desire to promote green architecture.

For Mark and Abi, the house is the realisation of a long held dream, following a five year journey of searching for a suitable site in Brighton & Hove, negotiating, designing their house and building.

**BUSES:** 81, 81C and 55, 56, 59 (Old Shoreham Road)

**TRAINS:** Hove rail station

### FEATURES

- + natural materials
- + solid timber frame construction
- + airtight construction
- + photovoltaic panels
- + solar thermal panels
- + biomass boiler
- + underfloor heating
- + rainwater harvesting
- + green roof
- + zero carbon

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	<b>BOOK</b>	Closed	<b>BOOK</b>	Closed
2pm–5pm	Closed	Closed	Closed	Closed





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## 73 Wilbury Crescent Hove BN3 6FH

### FEATURES

- + solar thermal panels
- + insulation
- + energy monitoring
- + energy conservation

Jeffery and Brenda have been in their Edwardian terraced house now for 25 years, and have always saved energy and water in their home. Having worked for Seeboard Electricity for 31 years, Jeffery has monitored electricity use and made the most of cheap off-peak electricity.

Now retired, Jeffery and Brenda have taken their conservation approach further, installing solar thermal water heating (they received a council and central government grant to subsidise this). The installers were Southern Solar, a Lewes based company – and ‘the nicest contractors we’ve ever dealt with!’ They did this to save money, but also to become more self sufficient and improve the energy rating and value of their house.

Since solar panels were installed and loft insulation was increased to 12" (in 2006) Jeffrey calculates a 58% saving on gas and 48% saving on electricity through energy efficiency measures.

**BUSES:** 7 to Holland Rd, 56 to Cardinal Newman School, 81/81c to Old Shoreham Rd

**TRAINS:** Hove Station

HOVE  
TRAIL

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Open	Open	Open	Closed
2pm–5pm	Closed	Closed	Closed	Closed



## 5 20 Avondale Road Hove BN3 6ER

Oliver Heath's eco refurbishment of this 1960s detached house for his family in Hove was undertaken with the aim of reducing the house's carbon footprint from 10 tonnes per year to 2.5! This will have a dramatic saving on energy bills and create a great home to live in.

The brick exterior has been transformed using insulating render and locally sourced sweet chestnut cladding. Lots of natural materials and finishes have been used inside to create a great eco chic interior, including reclaimed larch, Cumbrian slate, natural paints and recycled glass work surfaces. The house uses several cutting edge technologies including a heat recovery system, low energy LED lighting and benefits from a doubling of glazing on the ground floor to maximise the use of natural light. But a good eco home is not simply about improving its technical specification; it's also about creating and nurturing happy internal spaces that people enjoy living in and using. Oliver has used his design skills to create a home that reflects the culture of sustainability in both a practical and aesthetic way.

### FEATURES

- + external wall insulation
- + sweet chestnut cladding
- + high performance glazing
- + heat recovery system
- + solar thermal panels
- + wood burning stove
- + low energy LED lighting
- + natural materials & finishes

**BUSES:** 7 (Cromwell/Davigdor Road) and 55, 56, 59 (Old Shoreham Road).

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
<b>10am–1pm</b>	Closed	Closed	Closed	Closed
<b>2pm–5pm</b>	Closed	<b>BOOK</b>	<b>BOOK</b>	Closed



## 5 Dyke Road Avenue Brighton BN3 6QA

### FEATURES

- + sweet chestnut cladding
- + underfloor heating
- + live/work unit
- + recycled newspaper insulation
- + natural paints
- + clay plaster

Previous owner Donna Gray's vision for this house was to design a modern family home with strong ecological ideals that brought together landscape and architecture with interior and furniture design. The original house has been radically remodelled and extended to include a design studio.

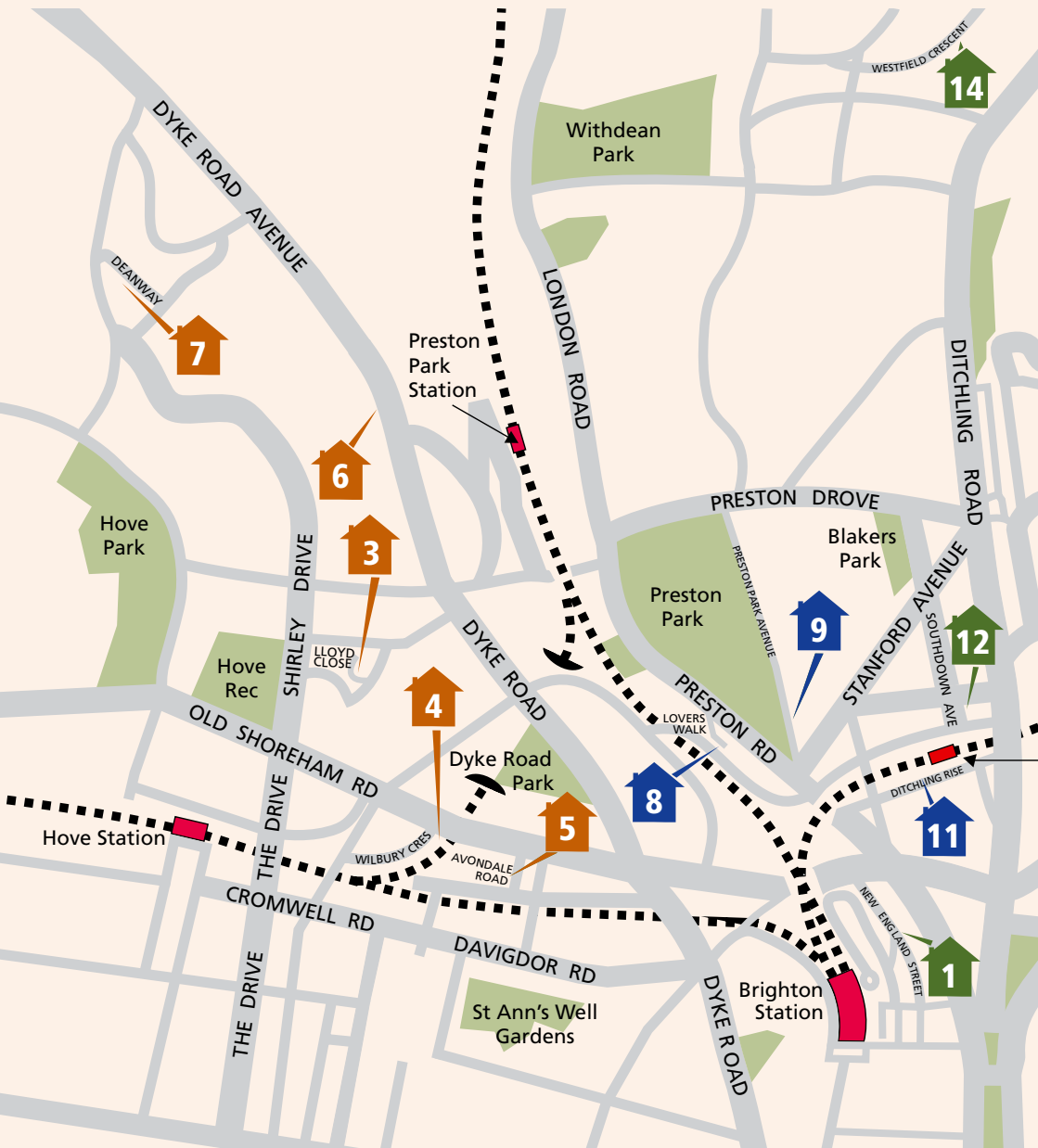
The house is a great example of using environmentally friendly materials including jute and recycled newspaper insulation, clay plasters, organic paints and locally produced sweet chestnut wood cladding. Underfloor heating is used with exposed screed floors and solar thermal panels. The landscaping has been designed to connect indoor and outdoor space, as well as to separate the house from the design studio.






**BUSES:** 27, 27a and 77 to Top of Woodruff Avenue (or **Brighton Station** and then buses 27, 27a and 77) **TRAINS:** Preston Park Station

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Closed	Closed	<b>BOOK</b>	Closed
2pm–5pm	Closed	Closed	<b>BOOK</b>	Closed

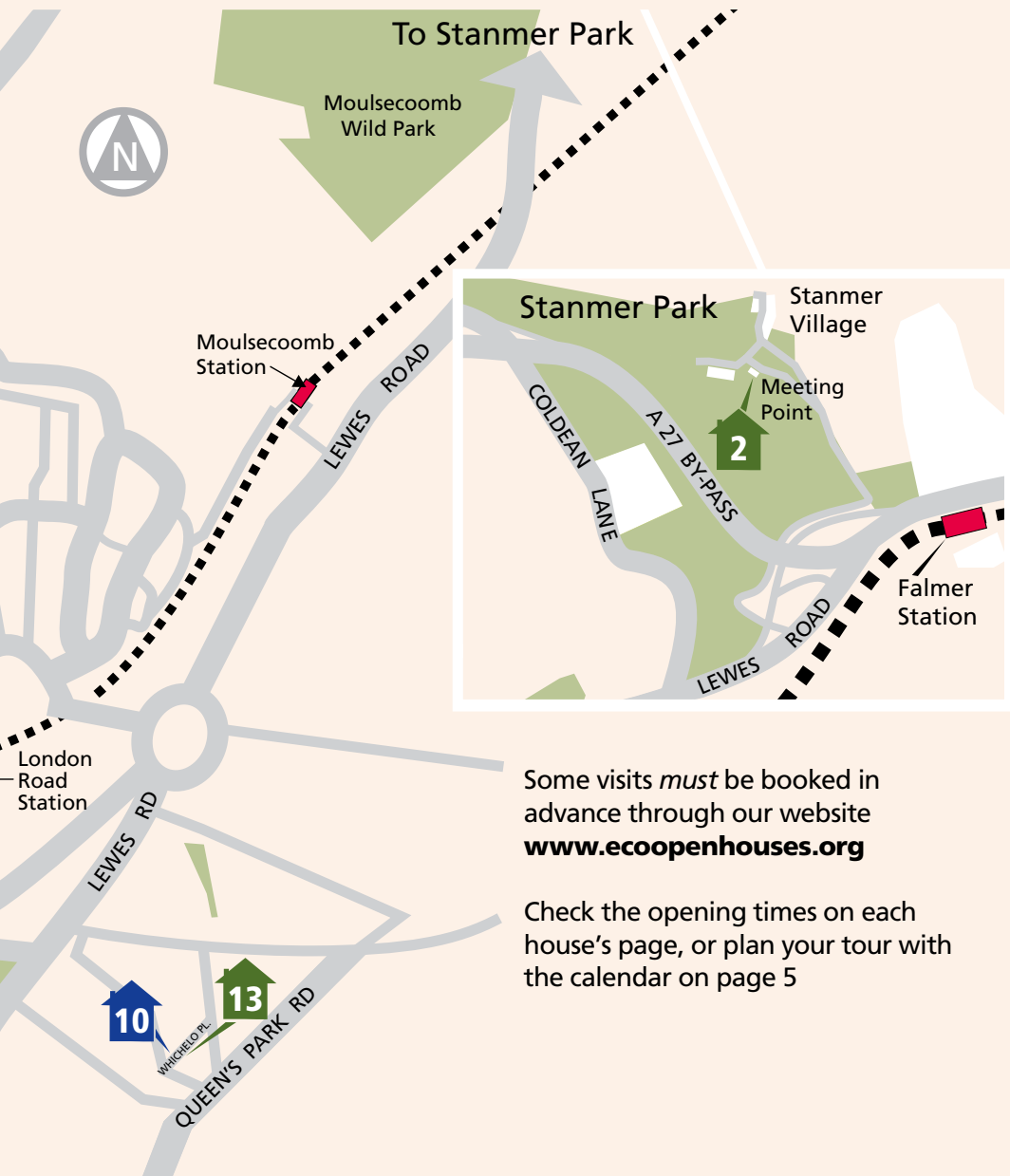


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-  11 111 Ditchling Rise, Brighton. . . . . PAGE 18
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-  13 4 Whichelo Place, Brighton. . . . . 20
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Some visits *must* be booked in advance through our website [www.ecoopenhouses.org](http://www.ecoopenhouses.org)

Check the opening times on each house's page, or plan your tour with the calendar on page 5



## 15 Deanway Hove BN3 6DG

### FEATURES

- + insulation
- + solar thermal panels
- + rainwater harvesting
- + energy efficiency measures
- + biodiesel
- + water conservation

In their 1970s home, Cleland and Sharada have made considerable effort to reduce fossil fuel energy use. They monitor and observe energy and water use and have found that they have saved carbon emissions as well as money on their bills. Improvements include reducing heat loss through adding a porch as a buffer zone against cold air coming in and adding bubble wrap (acting as secondary glazing) to windows. They have also undertaken basic draught proofing – a simple and effective way of making savings on heating, but one which is often overlooked.

Cleland and Sharada have a solar energy company *Ecohisolar* ([www.ecohisolar.co.uk](http://www.ecohisolar.co.uk)). In January 2007 they installed a solar thermal system to provide hot water, reducing their gas use by about 25%. They also produce their own biodiesel for their car and have installed a 2000L rainwater harvesting system to collect rainwater.

**BUSES:** 81, 81c to Woodland Parade

**TRAINS:** Hove Station 2 miles

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Closed	Closed	Open	Closed
2pm–5pm	Closed	Closed	Open	Closed



## The Nook 3 Lovers Walk Brighton BN1 6AH

This large detached Victorian house owned by Two Piers Housing Co-operative is located in the Preston Village conservation area of Brighton. Energy performance is poor for this type of house. The house is currently being retrofitted as part of a government scheme aiming for an 80% cut in CO<sub>2</sub> emissions through extensive energy efficiency measures.

A holistic package of measures has been designed and specified by the award winning Lewes based eco architects BBM Sustainable Design and the building work is being undertaken by Earthwise Construction, the lead partner of the project. The strategy is: to reduce heat loss by upgrading the walls, ground floor, walls and roof; to provide energy efficiency for space and water heating; and to improve the efficiency of electrical systems. Currently energy bills are over £1,450 a year. Once all the energy efficiency measures have been installed it is predicted that this will be under £750.

**BUSES:** 5, 5A

**TRAINS:** Preston Park rail station

### FEATURES

- + external & internal wall insulation
- + ground floor insulation
- + solar thermal panels
- + high performance glazing
- + airtight construction
- + ventilation system with heat recovery
- + low energy appliances
- + 80% CO<sub>2</sub> emissions reduction

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
<b>10am–1pm</b>	Closed	Closed	Closed	<b>BOOK</b>
<b>2pm–5pm</b>	Closed	Closed	Closed	<b>BOOK</b>



## 9 Yew Tree House 5b Preston Park Ave Brighton BN1 6HJ

Mick and Sue Paskins had this new house designed by award winning eco architects ZED Factory. It is an outstanding exemplar of urban low energy design. The house is orientated to maximise the amount of sun it receives. It has high levels of insulation and heavyweight materials inside to store the sun's energy. It is very airtight and has a ventilation system with heat recovery for the winter. Hot water is mostly supplied through a solar thermal array. A condensing gas boiler can top up hot water during winter and a wood burning stove can top up heating. Rainwater is harvested for flushing toilets and watering vegetables and fruit.

The house is clad in Sweet Chestnut, which needs no treatment to preserve it and is grown in Sussex. There is a green sedum roof to attract beneficial insects and other wildlife.

**BUSES:** 5, 5A, 5B

**TRAIN:** London Road station

### FEATURES

- + passive solar design
- + airtight construction
- + ventilation system with heat recovery
- + wood burning stove
- + high performance glazing
- + solar thermal panels
- + rainwater harvesting
- + low water use toilets & shower
- + low energy LED lighting
- + green roof

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Closed	Closed	Closed	<b>BOOK</b>
2pm–5pm	Closed	Closed	Closed	<b>BOOK</b>





10

## 1a Whichelo Place Brighton BN2 9XE

### FEATURES

- + timber frame
- + solar thermal panels
- + sheep's wool insulation
- + condensing boiler
- + grey water system
- + green roof

Jackie and Alan have lived in various houses in Brighton since 1992, but were increasingly 'fed up with living in cold, damp, draughty places, paying huge heating bills and constantly running up and down stairs'.

After completing a self-build course they decided to have their own house built 'as green as possible'. They looked around for a suitable site and successfully bid on the plot in Hanover at auction. They gained planning permission to build a bungalow and the project was completed in 2007.

The bungalow is a highly insulated timber frame building slightly set into the ground with underfloor heating throughout. It is very light and airy inside. Each room has its own roof light that lets in plenty of natural light, reducing the need for additional lighting. The house was built to 'Eco Homes' excellent standard and is a Green Apple National Silver Winner.

**BUSES:** 25c, 37, 37b, 81, 81a, 81b, 81c to Queens Park Road (Pepper Pot)

**TRAIN:** Brighton Station 1 mile

BRIGHTON  
TRAIL

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept
10am–1pm	Closed	Closed	Closed	Open
2pm–5pm	Closed	Closed	Closed	Open



# 11

## 111 Ditchling Rise Brighton BN1 4QP

Maria Hawton-Mead is currently retrofitting her Victorian terraced house at Ditchling Rise as a demonstration project. The aim is to transform the house from leaky, cold and expensive to run into a low energy home which is warmer in winter and cheaper to run.

Work is underway at the moment and Maria has found it a real learning curve being faced with the difficulties and compromises of improving an old house. The house will contain many features to improve its energy efficiency and when finished it is predicted that the CO<sub>2</sub> emissions will be cut by 70%.

Glasgow Caledonian University and Knauf insulation will be monitoring the new internal wall insulation system to see how effective it is.

### FEATURES

- + internal wall insulation
- + airtight loft extension
- + high performance glazing
- + wood burning stove
- + low energy lighting
- + energy monitoring
- + photovoltaic panels

**BUSES:** 26,46 (Ditchling Road), 5, 5A, 5B (London Road)

**TRAINS:** London Road station

	Thu 9 Sept	Fri 10 Sept	Sat 11 Sept	Sun 12 Sept	Sun 31 Oct
10am–1pm	Closed	Closed	Closed	Open	Open
2pm–5pm	Closed	Closed	Closed	Open	Open



## **12** 6 Southdown Avenue Brighton BN1 6EG

The previous owners of this house had initially planned to have a passive solar house built, but couldn't find an affordable building plot in the city. Instead they bought a lovely Victorian house near Preston Park, with great access to the city. However, the house was far from their green ideals. This is how their idea of the eco-refurbishment of a Victorian house was born.

It took five months of planning as the house is in a conservation area and eight months of hard work by various local tradesmen to transform the house from a typical Brighton Victorian house into a bright, warm and environmentally friendly home. The house possesses many features to improve its energy efficiency, including internal insulation of the outside walls with radiant in-wall heating, high performance glazing and a large solar thermal array. It is predicted that the CO<sub>2</sub> emission have been cut by 70%. The house features on the Old Homes SuperHomes website.

**BUSES:** 26, 46, 46a, 50, 50a, 79 to Rugby Road

**TRAINS:** London Road Station

### FEATURES

- + internal wall insulation
- + condensing boiler
- + solar thermal panels
- + high performance glazing
- + radiant wall heating
- + energy controls
- + wood burning stove
- + low energy cooking

	Sat 30 Oct	Sun 31 Oct
10am-1pm	<b>BOOK</b>	Closed
2pm-5pm	<b>BOOK</b>	Closed



13

## 4 Whichelo Place Brighton BN2 9XF

### FEATURES

- + external wall insulation
- + high performance glazing
- + energy efficiency
- + solar thermal panels
- + wood burning stove
- + natural materials

4 Whichelo Place is a typical Victorian three storey mid-terrace, solid wall house in the Hanover area of Brighton. The aim of Paul and Marion's refurbishment was to make the house much warmer in winter, while reducing energy consumption for space and water heating by at least 50%. These aims have been achieved in the last year by fitting good quality double glazing, external wall and internal floor insulation, new internal doors, installation of a solar hot water system and a new wood burning stove.

Ongoing energy and temperature measurements demonstrate that house is now much more comfortable and the target for reduction of energy consumption will be met. A new room in the roof was also constructed, at the same time, to a much higher than normal insulation specification. Natural materials and finishes, such as lime render, were used wherever practicable.

**BUSES:** 25c, 37, 37b, 81, 81a, 81b, 81c

**TRAIN:** Brighton train station 1mile

	Sat 30 Oct	Sun 31 Oct
10am–1pm	Closed	Closed
2pm–5pm	<b>BOOK</b>	<b>BOOK</b>



14

## 76 Westfield Crescent Brighton BN1 8JA

### FEATURES

- + photovoltaic panels
- + insulation
- + wood burning stove
- + LED lighting
- + rainwater harvesting
- + grey water recycling
- + home composting

Tom, Francesca and their two teenage daughters are committed to reducing their impact on the environment. They moved into their semi-detached 40s Hollingbury home in 2006 and have since been making and planning eco improvements, some through DIY.

Gas use has been reduced through improving insulation, a condensing boiler, a woodburning stove, and conservative heating! New photovoltaic panels were fitted this summer. In their first month the panels generated 165kWh of electricity – earning over £60 for the family who happily watched their meter running backwards and reduced their CO<sub>2</sub> emissions by 87kg.

Future plans include a grey-water harvesting system. The family have recently given up their car to car share. They also try to grow their own food when time allows!

**BUSES:** 5B (top of Braybon Avenue) 26, 46 (Woodbourne Avenue) 56

	Sat 30 Oct	Sun 31 Oct
10am–1pm	Closed	Closed
2pm–5pm	Open	Open

# Eco Open House team

Eco Open Houses event has been coordinated by:



**Brighton & Hove  
City Council**

## **Brighton & Hove City Council**

[www.brighton-hove.gov.uk](http://www.brighton-hove.gov.uk)

The city council is committed to improving the energy efficiency of the city's housing stock across all tenures, and to reducing the number of people on low incomes living in homes with low energy efficiency (see grants page). Eco Open Houses is supported within the council by City Planning which seeks to facilitate the development and refurbishment of the city's housing stock to highest environmental standards.



**Brighton  
Permaculture  
Trust**

## **Brighton Permaculture Trust**

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

Brighton Permaculture Trust promotes greener lifestyles and sustainable development through design. We run a range of courses and events, from an introduction to permaculture to an advanced diploma course and specific courses/events on green architecture, gardening and fruit growing. We also run projects in schools and manage orchards and a small fruit nursery at Stanmer Park, Brighton. Permaculture design is about practical ecological strategies for land, water, buildings, people and communities. It is based on the philosophy of co-operating with nature and caring for the earth and its peoples.



## **Low Carbon Trust**

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

Low Carbon Trust is a not-for-profit organisation formed in 2001 to set up, manage and promote environmental projects. Our main objective is tackling climate change through highlighting the connection between buildings and the carbon emissions resulting from their use. We do this by running innovative low-carbon construction projects, and training, outreach and education workshops. Our first project was the development of the Earthship Brighton project. After winning various awards, it is being showcased as one of the most innovative eco-buildings in Europe.



**Brighton & Hove  
City Council**



**Warm-  
Homes**

## **Council energy grants**

The Brighton & Hove Warm-Homes project is a partnership between the council, Climate Energy and EDF Energy working to help you to improve home energy efficiency, save money on gas and electricity bills and claim benefits you might be entitled to.

Brighton & Hove Warm-Homes' offers

- 100% grants or a discounted price of £189 each, for loft and cavity wall insulation
- 100% grants or part grants for installing solar water heating systems
- Free confidential benefit entitlement checks

The grants and discounts are normally available to owner occupiers, leaseholders and in some cases, private tenants who must have permission from their landlord to carry out the work. There are age, benefit or income eligibility criteria for 100% grants. All schemes are subject to a property survey.

**Call 0800 048 0727 to find out more or to apply!**



## energy saving trust<sup>®</sup>

The Energy Saving Trust is delighted to support the Brighton Eco Open Houses event and sees this as an important step in developing a national network of eco open homes accessible to all.

The Energy Saving Trust is one of the UK's leading organisations set up to mitigate the damaging effects of climate change. It aims to cut carbon emissions – a contributor to climate change – by promoting the sustainable and efficient use of energy, water conservation and waste reduction.

As an independent, non-profit making organisation, the Energy Saving Trust acts as a bridge between government, consumers, trade, businesses, local authorities and the energy market. The Energy Saving Trust:

- Provides people with independent information, advice and practical support to equip them to take action through:
  - Local advice services;
  - The web and the media;
  - Local authorities, communities, the workplace and voluntary groups;
- Works with manufacturers and retailers so that the people can easily choose the most efficient products;
- Works with suppliers and trade bodies so that people can get the right skills and services to make homes more efficient.

You can find out more and contact a local energy adviser on 0800 512 012 or by visiting our website

**[www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)**