

FREE INSULATION The Low Hanging Fruit for any ECO conversion*



It maybe Summer but if you have cavity walls which still aren't insulated and your loft needs topping up then now is the time to see to it and save on your energy bills this winter.

In these final months of the government's CERT programme, locally based Downs Energy is working with Lewes District Council to offer **FREE** cavity wall and loft insulation to all residents regardless of income, for all applications received before October 31st.

Lewes District Council is encouraging all residents to apply now for the free insulation - a properly insulated home can achieve savings of up to £310pa* on heating bills, keep the home warm in winter and reduce carbon emissions long into the future.

Call Downs Energy now to arrange for your FREE survey or see their website and the comments of their many satisfied customers.

Downs Energy
The best Energy is saved Energy



01444 460110
www.downsenergy.co.uk

Downs Energy Ltd, Unit 7 Paynes Place, Burgess Hill Road, Burgess Hill, RH15 8RG.

*(Free price subject to survey and availability and based on standard house size, saving figures from www.est.org.uk for a 3 bed semi. Scheme available to homeowners and private rented tenants only. Free loft insulation dependent on 60mm existing or less).

Lewes Eco Open Houses 22-23 September 2012

Visit inspiring
newbuild and
renovated
houses that have
drastically cut
their energy and
water bills

Entry is free, but
visitors are
encouraged to
make a donation
to contribute
toward costs

http://www.transitiontownlewes.org/lewes_eco_open_houses.html



Eco Open Houses Brighton & Hove



25–28 October 2012
Visit new and renovated houses that show you how to reduce energy and water bills



www.ecoopenhouses.org

Stanmer Park Brighton
By Stanmer Church BN1 9PZ
Sunday 30 September
11am–5pm
2012
Free admission
Parking £3

Apple Day

- ◊ Apple play
- ◊ Orchard tours
- ◊ Children's activities
- ◊ Café and cookery demos
- ◊ Sussex apples and trees for sale
- ◊ Apple identification

A SEASONAL CELEBRATION!



Bike Train, bus and train info on website

www.brightonpermaculture.org.uk

Eco renovate your home

A one-day course about how to make your home warmer, healthier and cheaper to run

Saturday 17 November 2012 · Brighton

For home owners, landlords, builders and architects (CPD accredited)



See more about this and other exciting courses and events including **Green Architecture Day** at www.brightonpermaculture.org.uk



Lewes Eco open Houses 2012

Saturday 22 to Sunday 23 September

Welcome

Reasons to visit

See houses achieving up to **80/90% savings**.

Lessons - what succeeded /what could have been done better.

Ingenuous and often **cheap ideas** for cutting energy use.

Recommendations for local architects / professionals /contractors.

See **Green technology** at first hand.

Sustainable lifestyles – vegetable growing, rainwater harvesting, natural materials.

Above all, **Inspiration!**

Feedback

Please take time to fill in the feedback form after each visit to help us keep improving the event.

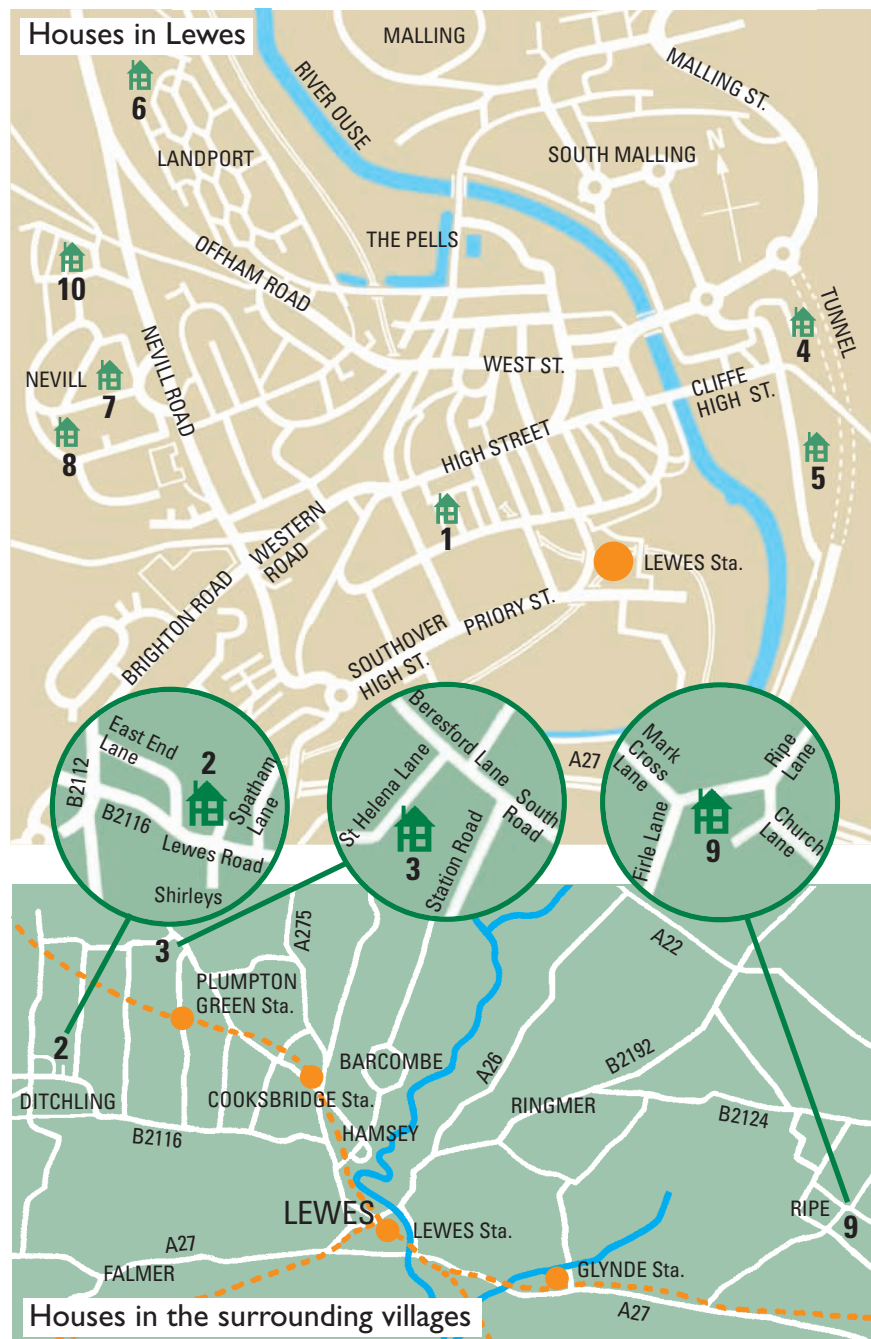
More information on the properties can be found on

http://www.transitiontownlewes.org/lewes_eco_open_houses.html



LEWES TOWN COUNCIL

Location of open houses in Lewes and villages











Design: Andy Gammon, Lewes



Visiting the Houses

This event is free and everyone is welcome. However, please remember that householders are generously opening up to the public and please respect their homes. For guidance here are a few basic rules.

-  Opening days and times can vary from house to house, so please check before turning up.
-  Morning opening is normally from 11am – 1pm and afternoons from 2 – 4 pm.
-  Please do not call between 1 – 2 pm, to give the householders a break for lunch.
-  At some houses you may be asked to remove shoes
-  Normally the visit and discussions take place in the reception rooms of the house, with the householder accompanying groups to see any equipment elsewhere. Please do not wander throughout the private areas of the house.
-  Children will need to be supervised during the visit.
-  Sorry, no dogs. It would be much easier if they were left at home.
-  Please try and walk/cycle/use public transport to visit homes, although we appreciate that cars may be necessary for the outlying ones.
-  Parking can be very restricted at some locations, so see individual house directions for information.

http://www.transitiontownlewes.org/lewes_eco_open_houses.html



11 St. Swithun's Terrace
Lewes BN7 1UJ

Type

3 bed terraced house,
brick, c.1900

Owners

Liz Mandeville and Mike Jones

Features

Solar Thermal hot water
Solar PV (1kW, West facing)
Wood burning stove (3.3 kW)
Loft Insulation (250mm)
Underfloor insulation (200mm)
Low energy lighting
Draughtproofing
Secondary Double glazing

CO2 emissions

0.7 tonnes pa. 90% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



This building demonstrates how far emissions can be reduced for a simple house, by employing the most cost effective measures. Solar panels for hot water were installed several years ago, along with a highly insulated hot water tank. Recently a 1.05 kW PV array was added to help offset the already frugal electricity use. Window heat losses, always a problem with sash windows, were sensibly managed by relatively inexpensive secondary glazing, which also cuts out draughts. The ground floor has been insulated from below, thereby cutting heat losses and, again draughts. Liz and Mike further minimise emissions by using a woodburning stove as the main evening heat source, which displaces gas with near carbon-neutral fuel. By setting the internal thermostat to modest levels, the end result is a building with CO2 emissions that are an impressive 90% below the norm.



93 Lewes Road
Ditchling BN6 8TY

Type

3 bed timber framed
detached house, built 1998.

Owners

Ian and Tae Chisholm

Features

Timber frame construction
Warmcell recycled paper
insulation
Solar thermal hot water
Green roof
Woodburning stove
Underfloor heating
Double glazing

CO2 emissions

5.4 tonnes pa, 40% reduction
(versus average)

Open

Sunday 11-4
*No parking at house.
Use public parking at nearby
recreation ground.*



When Ian and Tae moved to Ditchling, this site was occupied by a timber framed bungalow, which had been originally been a First World War army hut. Given its age and tired state, renovation was not an option, but they were inspired by the charm of a timber house and employed timber frame specialist, Jon Broome, to design the current building. Jon was a colleague of the renowned Walter Segal and came up with a design, built in 1998, which employed then unheard of levels of largely natural insulation, to create a highly insulated and sustainable dwelling. The building is topped off by an attractive green roof, which provides a low maintenance haven for wildlife, whilst further enhancing insulation.



2 Holly Cottages
St. Helena Lane
Plumpton Green
BN7 3DQ

Type
3 bed semi detached cottage,
brick and timber, c 1865.

Owners
Nick and Janet Rouse

Features
Solar Thermal hot water
Solar PV (2.7 + 3.3kW)
Ground source heat pump
Solid wall insulation
Double glazing
Insulated replica front door

CO2 emissions
1.8 tonnes pa. 75% reduction

Open
Saturday 11-1, 2-4
Sunday 11-1, 2-4



Holly cottages represents the kind of problems faced in conservation areas. Nick was obliged to keep the very leaky lattice glazed windows, but greatly reduced heat losses by fitting high performance double glazed secondary panels. The front door, although thin and leaky, also had to be kept for conservation reasons. A replica of the inside of the door out of reclaimed Victorian pine was fixed to the original with insulation between. The solid walls were insulated internally using foam backed plasterboard. As the house is off gas grid, it was originally heated by high emission coal, but now has a ground sourced heat pump, which runs an underfloor heating system. To offset the fairly high electricity demands of this system, Nick has two solar PV arrays totalling 5.9 kW. Around 50% of hot water also comes from solar panels.

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Baldy's Garden, Cuilfail
Lewes BN7

Type
5 bed detached,
timber frame, 2006

Owners
Paul and Louise Bellack

Features
Timber frame construction
Natural materials, locally sourced
Superinsulation
Airtightness
Solar thermal hot water
Solar PV (3.6kW, South facing)
Rainwater harvesting

CO2 emissions
2.4 tonnes pa. 80 % reduction
(versus average)
50% Water reduction
(versus average)

Open
Sunday 11-1, 2-4

http://www.transitiontownlewes.org/lewes_eco_open_houses.html



The ugly and inefficient bungalow originally occupying this site was demolished to make way for the beautiful superinsulated structure designed by local architects, BBM. Owners Paul and Louise went for the most sustainable specification, with locally sourced timber and natural materials used throughout. Underfloor heating coupled with thermal mass in the ground floor helps stabilise temperatures, whilst maximising solar gain in winter. Both solar thermal hot water and PV greatly reduce energy consumption, as well as rainwater harvesting. Overall the building performs excellently, with only 10kgCO2 emissions/m² and about 50% mains water use.



8 Wille Cottages
South Street
Lewes BN7 2BX

Type

3 bed terraced house,
brick, 1898

Owner

Jill Goulder

Features

Solar PV
Loft Insulation(Warmcell)
Cavity wall insulation(part)
Underfloor heating(part)
Underfloor insulation
Low energy lighting LED & CFL
Draughtproofing
Secondary Double glazing
Landshare veg. patch

CO2 emissions

1.2 tonnes pa. 80% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



8 Wille Cottages is a model of what can be done to an old house, taking advantage of renovation works to install some of the more disruptive measures, such as underfloor heating and insulation. The front cavity wall and the loft have also been insulated. Jill has come up with many ingenious methods for very effective reductions, such as magnetic strip secondary double glazing (near invisible), creative use of LED lighting (she can advise on choosing low energy light bulbs too) and simple solutions to cut waste from cooker fans and TV aerial amplifiers. Her commitment has qualified the house as a SuperHome, with emissions reduction greater than 60%.



90 Crisp Road, Landport
Lewes BN7 2SU

Type

3 bed terraced house,
brick cavity wall, 1930s

Owner

Tali Saar

Features

Solar PV
Woodburning stove
Loft Insulation
Cavity wall insulation
Double glazing

CO2 emissions

2.4 tonnes pa. (est.)
70% reduction

Open

Sunday 11-1, 2-4



Tali's house is a simple semi detached dating back to the 1930's. She has undertaken the most cost effective measures to help keep consumption and bills down. The cavity walls have been filled, saving 20/25%, and the loft has maximum insulation. Subsidies for these types of insulation are still available to all households from most installers until November 2012. The woodburning stove was provided via a grant and is used in the evenings to minimise gas use. The recent addition of 3.75kW of solar panels, funded via a Parity Trust loan, has had a big impact on emissions.



45 South Way, Nevill
Lewes BN7 1LY

Type

3 bed terraced house,
brick cavity, 1930s,

Owners

Nick Tigg & Nicola Blackwell

Features

- Solar PV
- Woodburning stove
- Loft Insulation
- Cavity wall insulation
- Double glazing
- New condensing boiler

CO2 emissions

1.8 tonnes pa. 77% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



Nick and Nicola are methodically refurbishing their 1930s semi and are about two thirds finished. So far, they have installed both solar thermal hot water and 1.5kW of solar PV, as well as taking advantage of existing CERT support to have the cavity walls and loft insulated. The woodburning stove is sited centrally to distribute near carbon-free heating throughout the house and help minimise gas use. Future plans are to fit secondary glazing over the high loss Crittall windows and to insulate the ground floor from below whilst the building work is going on.



1a Middle Way, Nevill
Lewes, BN7 1NH

Type

5 bed detached house,
brick cavity, 1930s

Owner

Tony and Wilma Rowell

Features

- Solar PV
- Woodburning stove
- Loft Insulation
- Cavity wall insulation
- Double glazing
- Vegetable garden
- Five water butts

CO2 emissions

1.2 tonnes pa. 80% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



1a Middle Way is an unusual bungalow, located in an isolated plot, up a roadway leading off Middle Way. Tony and Wilma bought the house two years ago and immediately undertook modernising and renovation works, including expansion into the roof. The cavity walls have been insulated and the roof has gone from no insulation to maximum. Existing double glazing has been retained and 2.3kW of solar PV is now generating electricity. In the sitting room a woodburning stove has been installed, which is heavily used in winter, greatly reducing gas consumption. By undertaking relatively simple and cost effective measures, emissions have been cut substantially.



The Green House, The Street
Ripe, BN8 6BD

Type

Detached 1960s house,
Refurbished 2008

Owner

Nicholas and Heather Worsley

Features

Solar thermal hot water
Wood pellet boiler
Woodburning stove
Superinsulation
Double glazing

CO2 emissions

1.2 tonnes pa. 80% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



The Green House was a tired looking, anonymous 1960s house, expensively heated by oil, when Nicholas and Heather Worsley bought it in 2007. They decided on a total facelift, under the direction of local architects BBM, involving superinsulation with natural materials and the installation of a biomass pellet boiler for near emissions-free heating. Underfloor heating provides gentle background warmth and over 50% of hot water is provided by solar panels. Renovating in this way has proved a far more sustainable solution than the alternative of demolition and rebuild. Chestnut cladding and elegant high performance windows have totally transformed the appearance, resulting in a beautiful, low emission house with a contemporary feel.



Sparrow House
1a Windover Crescent
Nevill
Lewes BN7 1DP

Type

Award winning 2 bed
detached house, 2003

Owner

Duncan and Katie Baker Brown

Features

Timber frame (UK sourced)
Thermal mass(to regulate temp.)
Natural materials
Solar thermal hot water
Underfloor heating
Superinsulation
Double glazing

CO2 emissions

2.6 tonnes pa. 60% reduction

Open

Saturday 11-1, 2-4
Sunday 11-1, 2-4



Duncan and Katie saw the potential in this piece of land, where previous owners had struggled and failed to get permission for an acceptable dwelling after 15 years trying. Duncan's eventual design involved very clever use of space in a restricted plot, with a private and bright central patio, which brings in daylight and links up the internal and external areas. The building is timber framed, using UK sourced and reclaimed timbers, and is plastered in natural clay finishes for a healthy breathing structure. High levels of natural insulation, chiefly sheep's wool, ensure CO2 emissions are exceptionally low at around 60% below the norm. The building was completed at a surprisingly modest build cost and went on to win the 2004 RIBA Ibstock Downland prize.