Green Homes Grant

Tom Bragg and Peter Bates
Green Homes Grant (GHG)
Video recording – write in Chat if you don’t want to be shown
Also write comments, suggestions and your Questions for Q&A

• The Grant – Introduction       Peter
• Retrofit and the need for a plan
• Measures
  • Primary       Tom
  • Secondary
• Q&A
• Next Steps
• Q&A
• Closing
Celebrating more than 30 years of innovative ways of doing things

Helping communities to save energy and reduce carbon emissions through economically-sustainable smart-living

Peter Bates – who am I?

- Senior Partner, pjb Associates Email her@pjb.co.uk
- PAS2035 Retrofit Coordinator, Advisor, Assessor
- Domestic Energy Assessor (DEA)
- Green Deal Advisor
- Chair/Facilitator, Cambridge Cleantech, “Sustainable Smart Homes” SIG
- Member - Transition Cambridge Energy Group, Carbon Neutral Cambridge, ECO Ely
- Organiser of the Circular Economy Club – Ely
- Former Teacher and Advisory Teacher
- And many other innovative projects of the last 30 years ............
Scope of this Webinar

- Things to consider **BEFORE** considering the Green Homes Grant (GHG)
- Overview of the GHG – Primary & Secondary Measures
- Overview of the eligible measures, but **NOT** the details of a particular measure
- Process for applying for the Grant (as far as we know)
- We are **NOT** able to cover detailed questions of a particular measure or any questions about your property
- We **WILL** try to cover questions specifically related to **PROCESS** of GHG
Each Home Counts – Pathway to high quality retrofit

Government commissioned Dr Peter Bonfield, CEO of BRE (Building Research Establishment) to provide identify way of providing “clarity and confidence to consumers” – resulted in 27 recommendations
New ways and opportunities for Retrofitting Domestic Properties

• **PAS 2035** - it’s not a new BSI Standard – it’s a framework for retrofit project delivery – focus on quality assurance, well planned, but developing slowly

  PAS = Publicly Available Specification  
  BSI = UK standards body, Global certification company. Training, Testing

• **Green Homes Grant (GHG)** – £2 billion government funding to be launched 30 Sept 2020 in England alongside other existing grants – focus on creating jobs, but rushed – “loads of money” - opportunities for homeowners and “cowboys”
Everyone needs to adopt this approach to retrofitting their homes (even if it is just in their head!!) :-

- Take a “Whole House” approach
- Think “Fabric First” – improve loft, windows, walls, doors and floors
- Develop a “Medium to Long Term” Plan

Domestic Properties are complex – No home is the same – always consider the occupants
New Format for EPCs – new link

Now available from 21 September 2020 – Today

https://find-energy-certificate.digital.communities.gov.uk

Beware of Cowboys – much easier for them to spot poorly rated EPCs & get your name from the Electoral Role

Find an energy performance certificate (EPC)

If your property does not have an EPC or it has expired, you can get a new energy certificate.

16 EPCs for CB6 3DZ

<table>
<thead>
<tr>
<th>Address</th>
<th>Energy rating</th>
<th>Expiry date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. St. Andrews Way, ELY, CB6 3DZ</td>
<td>D</td>
<td>18 July 2022</td>
</tr>
<tr>
<td>4. St. Andrews Way, ELY, CB6 3DZ</td>
<td>D</td>
<td>13 March 2021</td>
</tr>
<tr>
<td>5. St. Andrews Way, ELY, CB6 3DZ</td>
<td>D</td>
<td>29 April 2026</td>
</tr>
<tr>
<td>6. St. Andrews Way, ELY, CB6 3DZ</td>
<td>E</td>
<td>3 June 2026</td>
</tr>
<tr>
<td>7. St. Andrews Way, ELY, CB6 3DZ</td>
<td>E</td>
<td>11 December 2023</td>
</tr>
<tr>
<td>8. St. Andrews Way, ELY, CB6 3DZ</td>
<td>B</td>
<td>27 May 2026</td>
</tr>
<tr>
<td>15. St. Andrews Way, ELY, CB6 3DZ</td>
<td>D</td>
<td>28 July 2022</td>
</tr>
</tbody>
</table>
New EPC Format

Energy performance certificate (EPC)

Certificate contents
- Rules on letting this property
- Energy performance rating for this property
- Breakdown of property’s energy performance
- Environmental impact of this property
- How to improve this property’s energy performance
- Estimated energy use and potential savings
- Contacting the assessor and accreditation scheme

52, St. Andrews Way
ELY
CB6 3DZ

Energy rating
C

Valid until 20 June 2029
Certificate number
88617926-0960-2398-2996

Property type
This property is a semi-detached house.

Total floor area
It has a total floor area of 119 square metres.

Energy efficiency rating for this property
This property’s current energy rating is C. It has the potential to be C.

See how to improve this property’s energy performance.

The graph shows this property’s current and potential energy efficiency.

Properties are given a rating from A (most efficient) to G (least efficient).

Properties are also given a score. The higher this number, the lower your carbon dioxide (CO2) emissions are likely to be.

The average energy rating and score for a property in England and Wales are D (50).
Increasingly, Installers and Retrofit Coordinators and Assessors will need to enter details of Retrofit Improvements into a Data Warehouse. Property Hub (Passport) will be for:

- homeowner facing view of relevant information from the Data Warehouse.
- Secure repository to find information about a property including who did what when and any guarantees etc.
- Will contain routes to advice on further home improvements and funding options
- Available end of 2020 or into 2021 ???

But keep all documents like guarantees, paid receipts, Cavity Wall, FENSA, MCS Certificates,
Green Homes Grant - Overview

• Voucher – up to £5000 or £10,000
• Measure split into Primary & Secondary Measures
• Start date - 30 September 2020
• Voucher and improvement measures completed by 31 March 2021 !!!! (at present)

More details at:
https://www.gov.uk/guidance/apply-for-the-green-homes-grant-scheme
GHG - Primary Measures - Insulation

1. Loft
2. Cavity Wall
3. Solid wall
4. Under-floor
5. Flat roof
6. Insulating a park home
Loft Insulation – Primary Measure

Install 270-300 mm over joists preferably – just about the heat loss perimeter
Cavity Wall Insulation – Primary Measure

Properties with Cavity wall look out for the filled-in bore hole that confirms insulation or older properties (roughly 1930s to 1980s)
Solid Wall Insulation – Primary Measure

- Usually applies to traditional dwellings pre-1930 and 1930s
- External Wall Insulation
- Internal Wall Insulation
- Complex - preferably follow PAS2035
- Get a Retrofit Coordinator
Under floor Insulation – Primary Measure

• Usually applies to traditional dwelling pre-1930 & 1930s – 1950s
• Can be complex
• Preferably follow PAS2035
• Get a Retrofit Coordinator
Flat Roof Insulation – Primary Measure

Get a Trustmark Registered Installer
Insulating a park home – Primary Measure

Complex – get a Retrofit Coordinators and a Trustmark Registered Installer that has expertise in Park Home Insulation
GHG - Primary Measures – Low Carbon Heat Measures

• Air Source Heat Pump (ASHP)
• Ground Source Heat Pump
• Solar Thermal (liquid+ flat plate or evacuated tube collectors)
• Biomass boilers

All will also get funding under the – Renewable Heat Initiative (RHI)
Air Source Heat Pump – Primary Measure

Get at least three quotes from an MCS registered installer
Ground Source Heat Pump
Get at least three quotes from an MCS registered installer
Biomass boilers – Primary Measure

NOT a wood burning stove
GHG Secondary Measures
capped by primary measures grant value

1. draught proofing
2. double/triple glazed windows
3. secondary glazing
4. external energy efficient doors
5. hot water tank insulation, thermostats and heating controls
1. Draught Proofing and Ventilation

DIY Draught-proofing guide

GHG can cover:
‘Air tightness test to check for excessive infiltration and ensure adequate controlled ventilation.’

More: ‘Items that are / not GHG covered’
2. Double or Triple Glazed Windows only where replacing single glazed windows

Fit windows & doors before or as part of any solid wall insulation

Plan for secure opening at night for ventilation during a heatwave

You need docs to get EPC credit: Keep docs & specs with U-values or a FENSA certificate
3. Secondary glazing
   Only with single glazing

DIY: Film, magneglaze
4. Energy efficient external doors

Only replacing doors installed before 2002

See: CSE Guide

Check they’re Secured by Design
5. Hot water & Heating Controls

- Hot water tank thermostats
- Hot water tank insulation
- Heating controls (e.g. smart heating controls, zone controls, intelligent delayed start thermostat and thermostatic radiator valves)
How to Apply

Use Simple Energy Advice (SEA) website:

1. Check if you’re eligible for a voucher
2. Check what improvements may be suitable for your home
3. Choose which improvements you would like and see an estimate of how much they may cost
4. Find accredited tradespeople to get quotes from to carry out the work

More information on how to apply for a voucher will be made available on GOV.UK in due course.

A homeowner or landlord in England
Not: a new-build that’s not-yet-occupied

SEA Freephone: 0800 444202  Mon-Fri: 8am-8pm, Sat-Sun: 9am-5pm
Receiving Benefits?

If someone in your household receives:

- Jobseeker's Allowance*
- Employment & Support Allowance*
- Income Support
- Pension Guarantee Credit
- Working Tax Credit
- Child Tax Credits
- Universal Credit

*Income-based or Contribution-based

then homeowner (not landlord) is eligible for up to £10,000 Full grant

- Disability Living Allowance
- Personal Independence Payment
- Attendance Allowance
- Carer’s Allowance
- Severe Disablement Allowance
- Industrial Injuries Disablement Benefit
- or Housing Benefit
Build a ‘plan’ from SEA recommendations
Choose your improvements, eg:

Floor insulation (for a suspended floor)
Adding insulation to a suspended wooden floor is an effective way to reduce the heat loss of your home, especially if you have already installed loft and wall insulation. It is advisable to seek professional advice and you must use an approved installer.

GHG ELIGIBLE (PRIMARY)

INVESTMENT REQUIRED
£1000

SAVINGS PER YEAR UP TO
£40 – £55
Get Quotes for your ‘Plan’ eg:

You have added 3 recommendations to your plan. You’ll find all the steps and things you need to consider to implement those measures.

TOTAL INVESTMENT REQUIRED

£10400

TOTAL SAVINGS PER YEAR

£260 - £415

Green Homes Grant

To continue, print your plan. Contact installers and get quotes for your selected measures. Keep a record of these quotes - you will need them for the voucher application process.

Save it as PDF?

Quotes from 3? Installers on: **SEA, TrustMark** or **MCS** (for LC heat)
Apply for Voucher, Manage Installer

Choose one quote and apply for a GHG Voucher – from Oct 1st

*If you receive a voucher, tell the installer and:*

Planning Permission? EWI, Heat Pump, Solar Thermal?

Agree with installer: the work, details, schedule, payments

Check & ‘manage’ the work - near end: agree a snagging list

Installer completes work & redeems voucher before 31 March

Hooray!
Green Homes Grant

**PROs:**
- It’s free money!
- An opportunity
- Improve comfort
- Cut carbon, bills
- Employment, training

**CONs:**
- Too few installers
- Quality risks
- Pay extra?
- Rush, delays?
- Unknown, untested

Make a long-term plan: no half-measures
Can you achieve your plan without GHG?
Thermal Imaging Training

Tue 27\textsuperscript{th} Oct, 7:30-9:00 pm
Wed 2\textsuperscript{nd} Dec, 6:00-7:30 pm
Thu 14\textsuperscript{th} Jan, 7:30-9:00 pm
Tue 23\textsuperscript{rd} Feb, 6:00-7:30 pm
Solar Together

new Cambridgeshire Solar Together scheme
uses group-buying for solar panels, plus optional battery
to bring you these at lower cost.
First auction in Oct 6th
More Online Tours & Talks
openecohomes.org/autumnseason

Please write feedback in Chat:
- What did you enjoy?
- Suggestions for improvement?

Donations welcome: cambridgecarbonfootprint.org/donate