

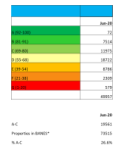
Domestic energy retrofitting

Priorities, grants and support

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B&NES Council

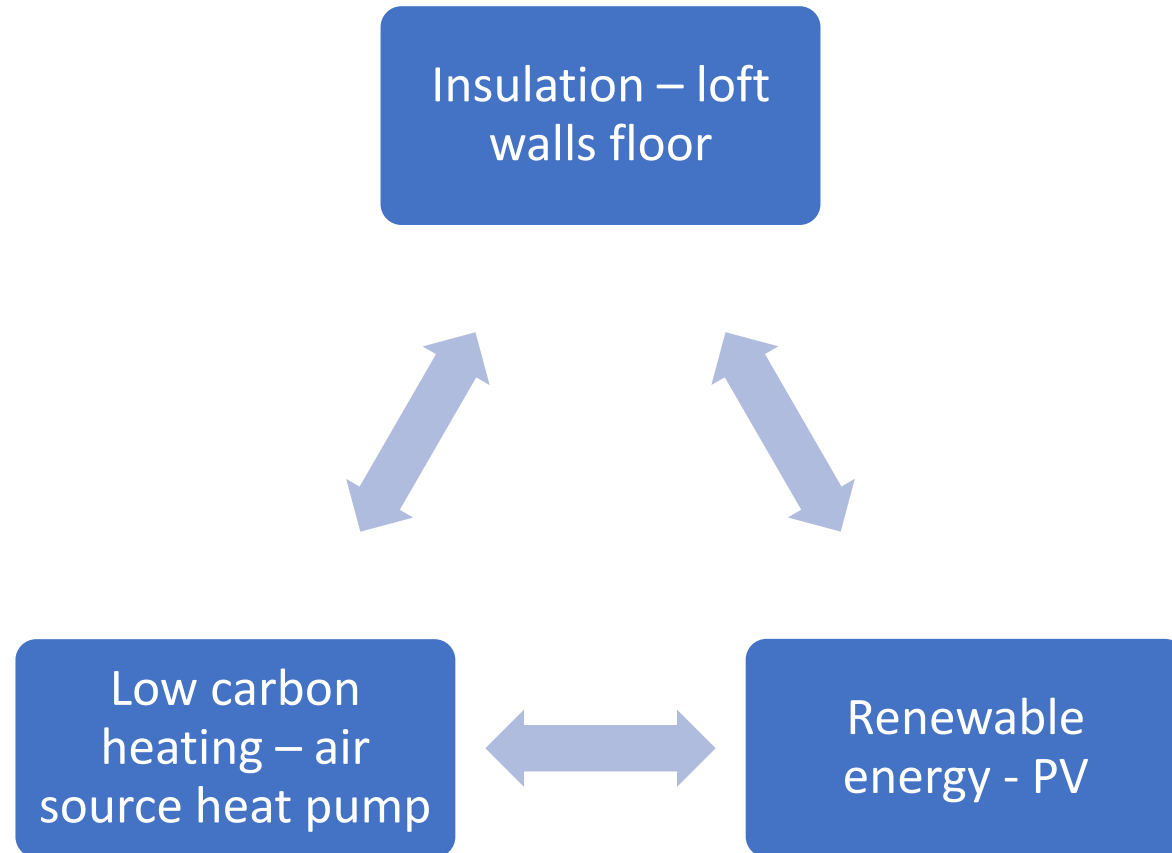


Retrofit?

- Improving the energy performance of existing homes to achieve:
 - Affordable warmth
 - A healthy comfortable internal environment
 - Overall zero carbon dioxide emissions or close to it
- A little or a lot of improvement
- Every home and household is different

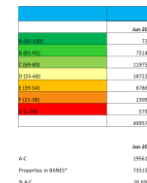


Priorities (and remember ventilation)



Common measures and improvements

- Reducing excessive draughts and double glazing
- Loft, cavity, floor and wall insulation for reduced heat loss *
- Air source heat pumps for hot water and central heating *RHI
- Modern high efficiency electric heating systems
- PV panels for home renewable energy generation
- Combinations of measures to suit property and household type
- Solid wall insulation*
- Only 27% of stock has an EPC with A – C rating



| Insulation of building fabric | Anticipated maximum | Low carbon heating | Anticipated maximum |
|--|---------------------|--|---------------------|
| Loft insulation | £400 | Air source heat pump - air to air or air to water central heating system | £11,000 |
| Floor insulation | £1,300 | Combined heat pump/PV system | £15,000 |
| Single glazing to double glazing | £8,000 | Electric heating including high retention electric storage heating | £5,000 |
| Whole house external solid wall insulation | £13,000 | | |
| Whole house internal solid wall insulation | £8,000 | | |
| Cavity wall insulation | £700 | | |

Green Homes Grant voucher scheme

- 2/3 cost up to £5000 or 100% cost up to £10,000 if you are on certain benefits

- Primary measures

Insulation – including sw, cw, loft, under floor and part homes

Low carbon heat – including air source heat pump, ground source hp

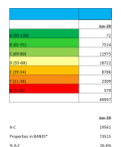
- Secondary measures

Draught proofing, single to double glazing, secondary glazing, heating controls

- available through government endorsed simple energy advice service

[tel: 0800 444202](tel:0800444202)

www.simpleenergyadvice.org.uk



B&NES energy at home grant



For energy saving
home improvements

Bath & North East
Somerset Council

Improving People's Lives

Does your home have an Energy Performance Certificate rating of E, F or G?

Improve the energy performance of your home and help make a difference across B&NES

Owner occupiers, renters and landlords

Grants available for eligible* households living in E, F or G homes to fund green affordable warmth improvements.


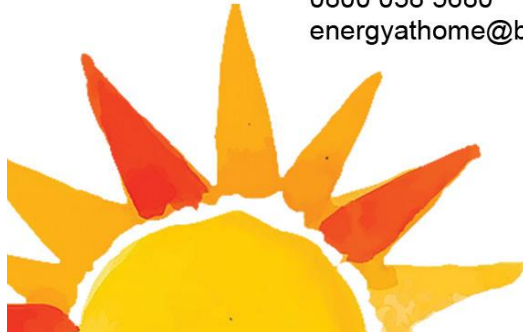
*includes joint annual income under £30,000

Contact us for more information:

www.energyathome.org.uk

0800 038 5680

energyathome@bathnes.gov.uk



| Energy Performance Certificate | No. of homes (Jun 2020) |
|--------------------------------|-------------------------|
| A | 72 |
| B | 7514 |
| C | 11975 |
| D | 18722 |
| E | 8786 |
| F | 2309 |
| G | 579 |
| No EPC** | 23558 |

**An EPC survey can be included as part of the grant where a cold home has no EPC.

insulation

renewable energy

low carbon heating

Support

- Information and advice – phone, email and website

www.energyathome.org.uk

energyathome@bathnes.gov.uk

Specialist fuel poverty advice service available from CSE in B&NES

Phone 0800 082 2234 or email home.energy@cse.org.uk

- Lendology – energy loan from and ethical lender 4.2% fixed interest flexible repayments www.lendology.org.uk

End

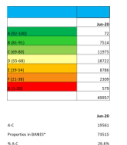
chris_mordaunt@bathnes.gov.uk

01225 396282

Stock profile June 2020

| | Jun-20 |
|------------|--------|
| A (92-100) | 72 |
| B (81-91) | 7514 |
| C (69-80) | 11975 |
| D (55-68) | 18722 |
| E (39-54) | 8786 |
| F (21-38) | 2309 |
| G (1-20) | 579 |
| | 49957 |

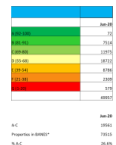
| | Jun-20 |
|----------------------|--------|
| A-C | 19561 |
| Properties in BANES* | 73515 |
| % A-C | 26.6% |



Retrofitting and B&NES Property Types

- Compare your home to typical property types and how you can improve them
- See B&NES retro fit guide from the link below pages 21to 57. The purpose of this guide is to help with deciding which measures could work for a property. It needs some updating, for instance there is nothing on air source heat pumps which are now an option for many homes in place of gas central heating. Also many measures will not be right on grounds of personal preference or suitability for the property.

www.bathnes.gov.uk/sites/default/files/sitedocuments/Planning-and-Building-Control/Planning-Policy/Sustainable-and-Retrofitting/scrf_adoption_draft_spd.pdf



Checks for installers and contractors

Quality checks and accreditations include:

- MCS and Quality Mark
- Buy with confidence member
- PAS 2035 accredited
- PAS 2030 accredited
- Futureproof training completed
- Manufacturer training completed e.g. Mitsubishi heat pump training

