



Welcome  
to  
Stroud District Council  
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*working in partnership with*  
SWEA  
Kierson Wise

# Stroud District Council Projects

- Target 2050 Project
- SW RIEP
- PAYS Pilot Scheme
- S2S – Solid to Sustainable

# Target 2050 Homes

- Theme of 60% CO<sub>2</sub> reduction from existing homes
- Home energy surveys and reports
- Follow through advice to take action
- Sustainable energy installer network
- 23 exemplars representative of local housing stock
- Low Carbon Homes road-show
- Behavioural change programme

# SWRIEP Target 2050

- Joint bid submitted to SWRIEP by
  - Stroud District Council (Lead)
  - Cotswold District Council
  - Gloucester City Council
  - Cheltenham Borough Council
  - South Gloucestershire Council
  - Wiltshire Council
- £370,000 approved with each authority contributing £10,500.
- 18 month project to 'roll out' Target 2050 programme across the region.
- 5 exemplar properties will be established in each authority area.
- Other authorities taking part will benefit from the learning and marketing materials already established at SDC.

# Stroud PAYS Scheme

- Home owners in Stroud District
- Up to £10,000
- PAYS 1: full costs, up to 25 years to repay, repayments based on modelled savings
- PAYS 2: up to 50% of costs, up to 10 years to repay

# Stroud PAYS Measures

- Major measures covered:
  - Solid wall, floor, flat roof or ceiling insulation
  - Solar thermal, photo-voltaics,
  - Boiler upgrade, ASHP, GSHP, wood pellet boiler or stove
  - Double or secondary glazing
- Measures that must be done already:
  - Cavity wall, loft and hot tank insulation
  - Draught-proofing
  - Central heating controls

# Stroud PAYS – Marketing

- Mail-out to existing client base: 183 homes with Target 2050 home energy surveys completed
- Installer network informed of opportunity
- Local papers and radio
- Planning, building control, building suppliers
- ESTAC holds details and can make referrals
- Approx 90 enquiries to date for 30 additional surveys (26<sup>th</sup> April)
- Letter to all enquirers, personal call backs in progress

# Stroud PAYS – Advice

- Home energy survey, NHER assessor
- Report identifies measures and savings
- Follow up to discuss next steps
- Installer list for (minimum 2) quotes
- Review any applicable grants and PAYS
- Agree measures to proceed with now



# Stroud PAYS – Loan

- Application form submitted to SDC with 2 estimates
- Simple credit check carried out to assess ability to repay
- Land Registry check
- Agree monthly repayment amount based on modelled savings
- Loan agreement signed
- Monthly repayment set up by direct debit to SDC
- Monies paid on satisfactory completion of works
- Land Registry Charge lodged by SDC
- Annual statement sent to Client with Council Tax Bill

# Stroud PAYS – Installers

- Local installer network since 2007
- Relevant accreditations required
- Information and networking events and newsletters
- Data on installations helps local monitoring
- 72 members to date, all relevant technologies
- 42 renewables, 30 energy efficiency
- Capacity building ethos, new members welcome

# Stroud PAYS – Example Property



- Victorian brick semi
- Already has 250mm loft insulation, condensing gas boiler and double glazing throughout
- External SWI identified as suitable PAYS measure
- Cost: £11,710

# Stroud PAYS – Example Property



- Stone cottage
- Has 150mm loft insulation, oil boiler
- Internal SWI and solar thermal identified as suitable PAYS measures
- Cost: £10,000

# PAYS – example property

- 1891 property, Cotswold stone fronted, solid brick walls, sloping ceilings
- Internal SWI, double glazed sashes and new gas boiler identified as suitable PAYS measures
- Cost: £10,138
- Potential saving on fuel bill £217.00p.a (£18 p.m)
- Loan payback £33.33 p.m over 25 yrs



# Ground Source Drilling Rig on site



# S2S – Solid to Sustainable

- SDC retains its own housing stock of approx 5,300 dwellings.
- Many are hard to treat in off gas areas.
- SDC is utilising renewable technologies in these areas; First year of S2S 09/10
  - 35 ground source heat pumps (9 private)
  - Approx 10 air to air source heat pumps (6 private)
  - Two solar thermal systems (private)
  - One biomass/solar system (private)

# S2S – Solid to Sustainable

- S2S is a joint project between Private Sector and Council Housing Teams at SDC.
- Frampton Parish in Stroud was identified as having a high number of Council & Privately owned properties with solid fuel heating.
- SDC negotiated a contract with energy suppliers for installation of ground source & air source heating for Council housing.
- Private householders in the area were then offered the opportunity to have the works carried out as well so as to benefit from the 'bulk discount' price and CERT funding.
- SDC also offered some 'Top Up' grant funding depending on income of up to £7,000.
- 9 ground source and 6 air to air heat pumps installed





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