



The
University
Of
Sheffield.

Department of Chemical & Process
Engineering

Community Survey questionnaire.

**Carried out on behalf of Sustainable Youlgrave
by students from the University of Sheffield's
Environment and Energy MSc programme in
June 2009**

Supervised By

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Summary results spreadsheet

Introductory Notes

Background:

The questionnaire was developed by students at the University of Sheffield who first discussed the needs of Sustainable Youlgrave (SY) with members of that organisation. Expert advice on the format of questions was available in the University and a final format was presented to and accepted by Sustainable Youlgrave.

The questionnaire process

The questionnaire was run door to door in Youlgrave and the surrounding area but volunteers. The questions were either answered on the doorstep or a copy was left and collected later. The questionnaire was run over a period of about two weeks in June/July 2009. The returns are very high 215 returns out of some 600+ households (about 36% return).

Current status

The survey is currently being analysed by students at The University of Sheffield. Some parts have been analysed in detail and incorporated into a number of reports to SY. However, the main, overall analysis and interpretation is still going on. Hence only the raw data is presented here.

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Results

Energy & Water

- 1 Did you take part in the previous, 2007 SY household questionnaire?

Responses

		Total Number of Responses
Yes	40	
No	135	213
Can't Remember	38	

- 2 Have you improved you house's energy efficiency/ cost savings since then?

Responses

		Total Number of Responses
None	62	
Some	109	191
Quite a Lot	20	

- 3 Do you think we need to save energy and Water

Responses

		Total Number of Responses
Yes	190	
No	5	202
Not Sure	7	

- 4 Do you have insulation in your house?

Responses

		Total Number of Responses
Yes	169	
No	6	188
Not Sure	13	

- 5 Which type of insulation do you have in your house?

Responses

		Total Number of Responses
Loft	155	
Cavity Wall	50	193
Solid Wall	32	
Floor	21	
Double Glazing	131	
Roof	2	
Triple Glazing	2	

6	What do you heat your home with?		
	Responses		
	Gas	150	Total Number of Responses 196
	Oil	32	
	Electricity	46	
	Coal	41	
	Wood	49	
7	If Gas, Oil or Coal, How old is your boiler?		
	Responses		
	Under 5 years	81	Total Number of Responses 187
	Under 10 years	35	
	Under 15 years	23	
	Under 20 years	23	
	over 20 years	25	
8	If your boiler is not very old, is it a condensing boiler?		
	Responses		
	Yes	59	Total Number of Responses 171
	No	73	
	Not Sure	39	
9	Do you have a heating controller/programmer?		
	Responses		
	Yes	167	Total Number of Responses 194
	No	24	
	Not Sure	3	
10	Do you use energy saving light bulbs?		
	Responses		
	Yes	177	Total Number of Responses 204
	No	23	
	Not Sure	4	
11	Approximately how many energy light bulbs do you use?		
	Responses		
	0-10	14	Total Number of Responses 171
	10-20	12	
	20+	1	
	0-25%	1	
	25-50%	7	

	50 -75%	2	
	76 -100%	13	
12	Where do you use your energy savings light bulbs?		
	Responses		
	One or two rooms	23	Total Number of Responses 160
	Most rooms	77	
	All rooms possible	60	
13	How do you save water?		
	Responses		
	Loo cistern 'Hippo' or reduced flush	74	Total Number of Responses 188
	Shower	124	
	Efficient Washing Machine	123	
	Tap flow restrictions	8	
	Water Butts	30	
14	Do you regularly check how much electricity and gas you use?		
	Responses		
	Yes	119	Total Number of Responses 196
	No	77	
15	How do you check how much electricity and gas you use?		
	Responses		
	Meter	25	Total Number of Responses 167
	Bill	76	
	Both	66	
16	Do you compare your charges against those of other suppliers?		
	Responses		
	Yes	104	Total Number of Responses 191
	No	87	
17	If you do, which energy supplier do you buy from?		
	Responses		
	Cheapest at the time	115	Total Number of Responses 168
	Renewable 'Green' Sources	29	
	Same one as previously, as less bother	24	

18 What would prompt you to consider switching to a renewable 'green' supplier?

Responses

		Total Number of Responses
The cost was less	35	
The cost was the same	58	151
The cost was a little more (a few %)	57	
The cost was much higher	1	

19 Would you be interested in information to help you save money by reducing your household costs?

Responses

		Total Number of Responses
Yes	57	
No	45	102

20 If Yes, which information would you regard as a priority?

Responses	Priority Points	Total Number of Responses
Energy Bills	41 (1st)	
Petrol Consumption	66 (2nd)	159
Food costs	67 (3rd)	

21 Would you be interested in a free detailed energy and waste survey of you home, to save money?

Responses

		Total Number of Responses
Yes	64	
No	79	143

Recycling

1 Do you agree with separating and recycling our rubbish?

Responses

		Total Number of Responses
Yes	156	
No	5	169
Not Sure	8	

2 Do you use you local recycling facilities (by Youlgrave Allotments)?

Responses

		Total Number of Responses
Yes	134	
No	39	178
Not Sure	5	

3 What do you think of recycling facilities in your area?

Responses

		Total Number of Responses
Good	101	
Could be improved	83	200

Poor	16		
4 If they could be improved, how?			
Untidy (8)		Allotments for Cardboards and plastics (14)	Total Number Responses
More Central Location(1)		Increased frequency of removal (2)	25
5 Would you be willing to separate out more of your rubbish?			
Responses			
Yes	132	Total Number of Responses	
No	37	188	
Not Sure	19		
6 So you make your own compost?			
Responses			
Yes	116	Total Number of Responses	
No	74	191	
Not Sure	1		
7 How do you dispose of used small batteries?			
Responses			
In normal bin	101	Total Number of Responses	
In new shop/garage	80	181	
Do not use	3		
8 Do you bring your food shopping home in shop plastic bags or own recycled bag?			
Responses			
Shop	30	Total Number of Responses	
Own	124	213	

Renewable Energy

1 Do you think we should become more sustainably self-sufficient in our valley?			
Responses		Total Number of Responses	
Yes	186	199	
No	13		
2 Do you know what Renewable Energy Sources are?			
Responses		Total Number of Responses	
Yes	135	193	
No	45		
Not Sure	13		

3 Which of these are you in favour of?

Responses

		Total Number of Responses
Wind Turbines	93	
Water (River) Turbines	103	190
Solar (Sun) Energy Collector	97	
Biomass Energy	92	

4 Do you have solar panels?

Responses

		Total Number of Responses
Yes	4	195
No	191	

5 If no, do you think they are suitable for this house?

Responses

		Total Number of Responses
Yes	80	
No	69	204
Unsure	55	

6 If so, would you consider installing them if grants were available

Responses

		Total Number of Responses
Yes	89	
No	47	188
Not Sure	52	

7 If yes, is your interest in solar panel for electricity, for hot water or both?

Responses

		Total Number of Responses
Electricity	8	
Hot Water	23	141
Both	110	

8 Would you consider alternative heating by heat pump if grants existed?

Responses

		Total Number of Responses
Yes	62	
No	45	172
Not Sure	65	

9 Would you object to seeing one small/medium-size, wind turbine from your home?

Responses

		Total Number of Responses
Yes	28	
No	115	176

Not Sure	33	
10 Or anywhere in our valley if it was sited sensitively?		
Responses		
Yes	49	Total Number of Responses 177
No	99	
Not Sure	29	

Transport

1 Is existing public transport adequate?

Responses

Yes	143	Total Number of Responses
No	20	163

2 What ways do you consider existing public transport could be more effective?

Responses

Total Number of Responses

Route to Sheffield (1)	5
Later bus times (4)	

3 Do you know of the SY car-sharing scheme?

Responses

Total Number of Responses

Yes	153	178
No	25	

4 Are you interested in using such a scheme?

Responses

Yes	39	Total Number of Responses
No	117	182
Not Sure	26	

Why Not?

Phobia (1), Inconvenience (5), Restrictive (2), Unpractical (2), Insurance (1)
Unsuitable for distant travels (2)

5 Where do you do most of your shopping?

Responses

Our Village	61	Total Number of Responses
Bakewell	73	
Matlock	32	199
Online	11	
Chesterfield	13	
Buxton	24	
Sheffield	2	

6 Do you try to buy local produce?

Responses

Always	69	Total Number of Responses
Occasionally	77	187
Not Deliberately	41	

Sustainable Youlgrave

1 When did you first become aware of sustainable Youlgrave?

Responses

At start	39	2004	29	2007	40	Total Responses
Since 2002	19	2005	13	2008	13	205
2003	11	2006	27	2009	14	

2 From What Source?

Reponses

The Bugle	149	Total Number of Responses
SY Newsletter	12	177
Open Days	1	
Carnival Last Year	1	
SY Website	0	
Word of Mouth	14	

3 Are you aware of the work they have done/are doing?

Responses

Wind Study	100	
AD Biomass Studies	73	Total Number of Responses
Wood 'waste-as-fuel' study	20	149
School energy and water savings	71	
CC/RE public awareness	90	

4 Do you support what SY are doing?

Responses

Yes	135	Total Number of Responses
No	1	182
Not Sure	46	

5 Do you think they are addressing the right issues?

Responses

Yes	132	Total Number of Responses
No	5	174
Not Sure	37	

6 Would you like to receive their Newsletter

Responses

Yes	97	Total Number of Responses
No	56	181
Already Do	28	

7 Would you like to become a member?

Responses

Yes	34	Total Number of Responses
No	124	193
Not Sure	35	

8 If you were able to, would you invest in SY commercial projects?

Responses

Yes	67	Total Number of Responses
No	61	171
Not Sure	43	

9 What is the most important issue for you right now?

Responses

	Rating	
Climate Change	3	Total Number of Responses
Energy Cost	1	189
Food Costs	3	
Recession	4	
Lack of Govt support for farmers	7	
Petrol Prices	6	
Decline of Honey Bees	2	

10 Apart from the recession, did you know that SY is working to try and combat the impact of these for the community?

Responses

Yes	123	Total Number of Responses
No	71	194

11 Does it make you feel more positively towards SY?

Responses

Yes	108	Total Number of Responses
No	12	173
No Different	53	

12 Do you think global warming/ climate change is actually happening?

Responses

Yes	28	Total Number of Responses
No	5	50
Not Sure	17	

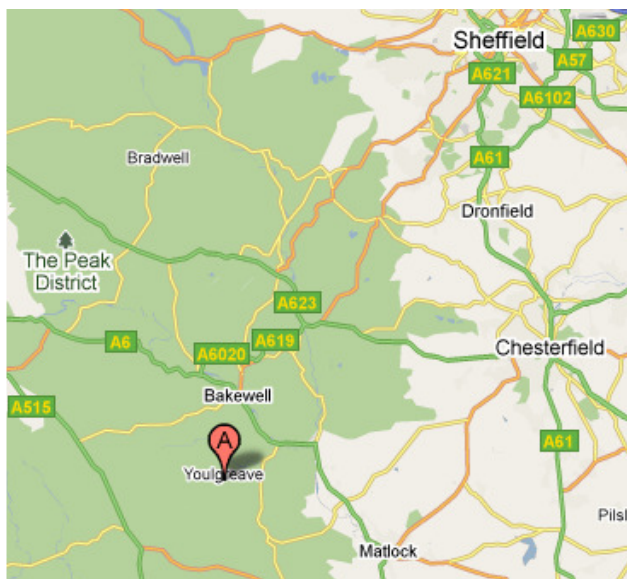
2.2 BACKGROUND TO SUSTAINABLE YOULGRAVE

Sustainable Youlgrave is a community initiative founded by a handful of residents in Youlgrave, a village near Bakewell. The initiative, now in its 4th year, was developed around the ethos of combating climate change and achieving sustainable development in the community. Since starting-up up, the Sustainable Youlgrave team has implemented various educational and energy-saving initiatives including:

- Commissioning of a feasibility study for harnessing wind energy
- Providing in-shop recycling bins for disposing used alkali batteries
- Running home composting workshops with local horticultural society
- Educating residents on domestic solar heating systems and roof panels
- Raising awareness of climate change in the village primary school
- Providing regular newsletters for local community
- Commissioning of an anaerobic digestion (AD) feasibility study with a local farmer, which fits well the Sustainable Youlgrave long term plan to build one or more anaerobic digestion plants to serve the local community.

In a relatively short-space of time, Sustainable Youlgrave has reached a number unique milestones and was recognised at the National Future Friendly Awards in 2007 (just one year after inception). Founding member, John Youatt described Sustainable Youlgrave as being concerned with “three main areas of activity: energy saving, energy generation and the socio/economic self sufficiency of the community” (Interview with T.Todhunter, 2008). Sustainable Youlgrave’s keenness to achieve economic sustainability is evident in the group’s plans to raise capital for future AD plants by launching a social enterprise and to plough profits back into more environment initiatives for the community.

Sustainable Youlgrave is more than just another community environmental initiative but is one that rallies its members towards achieving true carbon neutral status (i.e. without external carbon offsetting). Rather than wait for lack-lustre energy targets to be implemented by the government, Sustainable Youlgrave is working towards a community which relies wholly on renewable sources for its energy and is, so far, a unique initiative in the UK making it an ideal case study candidate for a study on rural attitudes to global warming, energy and sustainable development.



2.3 POPULATION DEMOGRAPHICS

Youlgrave (sometimes written as Youlgreave) is a rural town in Derbyshire with a population of just over 1,200 according to 2001 census figures (Derbyshire City Council, 2001). Youlgrave is set within the Peak National Park and is the largest of three villages clustered on the same road.

Youlgrave enjoys a low population density of 1.2 persons per hectare. As a

region, Derbyshire is a net exporter of learners and as a non-university town, Youlgrave retains a low percent of 16 - 65 year olds and a high proportion of 65+ compared to the rest of England; although the level of degree attainment is similar to elsewhere in England.

The vast majority of Youlgrave residents live within households rather than communal dwellings. About 70% of the village's 517 households live in their own home and the remainder are split equally between private renting and renting from local councils.

Figure 1: Location of Youlgrave in Derbyshire

Source: Google Maps, 2010

A fifth of residents do not own a car compared to more than a quarter for England; However, 71% of residents rely on the use of private cars to travel to work, which is considerably higher than the 61% for England as a whole. (Derbyshire City Council, 2001)

2.4 SUSTAINABLE YOULGRAVE SURVEY

The survey was carried in summer 2009 by Sustainable Youlgrave volunteers. 215 completed responses to the 51-question paper survey were collected, corresponding to about 11,000 collated data. Survey questions were group into 5 parts designed to explore residents' attitude to various aspects of sustainable living.

The contents of the survey were:

1. Energy and Water: Explored the level of insulation currently implemented by residents and type of heating source used. It also probed residents' attitude to energy saving light bulbs and approach to conserving electricity, gas and water in the home.

This section was very important as domestic heating alone accounts for 13% of carbon emissions of the UK and water –its supply, disposal and heating - accounts for 5% of CO₂ emissions; this is more than aviation traffic in the UK (DECC, 2009); (Greater London Authority, 2009).

2. Recycling: Explored attitudes to recycling and activeness in using existing facilities. This section also looked at other recycling issues such as the use of plastic bags and composting.
3. Renewable Energy: Explored residents' stance on sustainable living and willingness to install a range of renewable energy devices in their homes.
4. Transport: Explored feelings towards existing public transit facilities and car-sharing schemes as well as investigating shopping patterns and loyalty to locally produced groceries.
5. Sustainable Youlgrave Project: Explored opinions of the Sustainable Youlgrave initiative as well as gauging the level of awareness of various Sustainable Youlgrave activities.

2.5 SUMMARY OF KEY FINDINGS

With a sample size of 21% of the population¹, the survey results provided a sufficient depiction of the Youlgrave residents (acceptable sample sizes are 15 -20%). The full results of the survey are shown in appendix A (pages I –X) and key findings are summarized below:

2.5.1 Energy and Water

- i. Conservation of Resources: An overwhelming majority (96%) agrees that energy and water conservation is necessary; however, it is unclear from responses whether this view is as a result of cost factors, fear of limited resources or other environmental considerations.
- ii. Insulation: 90% of resident consider their homes to be insulated. Each home has an average of 2-forms of insulation. Loft insulation and double glazing were the most popular forms of home insulation, while triple glazing and roof insulation were least common.
- iii. Heating Source: Nearly half of homes in the village are heated by gas. Electricity and wood each accounted for 15% of resident heating sources. The remaining homes rely on coal (13%) and oil (10%). Three quarters of the residents who rely on gas, oil or coal for heating, own boilers aged 15 years or less; these typically have an efficiency of about 75%. However, only 24% of these

¹ Survey is assumed to not have been completed by youths under 16. It is unclear whether the survey was administered per household, if it was, this would correspond to a higher sample size of 41%.

“older” boilers are condensing boilers². On the other hand, 86% of all installed boilers (new and old) are fitted with heating controls.

Replacing a 15-year old “G rating” boiler with a new A rated condensing boiler with heating controls, can cut heating costs by up to 25% with an annual CO₂ emission reduction of 1,300kg (Energy Savings Trust, 2008). Due to the capital cost involved in installing a new boiler, homeowners tend to only upgrade when it is considered pertinent, for example when an existing boiler breaks down or if financially incentivized by a scheme such as the boiler scrappage scheme. The survey results do not suggest that residents of rural Youlgrave are any different.

- iv. Energy Saving Light Bulbs: 87% of householders have energy saving light bulbs installed. This was to be expected following the gradual phasing out of traditional incandescent light bulbs by the European Commission, which started in 2009 (New York Times, 2009). Traditional light bulbs waste as much as 95% of electricity as heat and there are consumer complaints of costs, slow warm up times and incompatibility with dimmer switches (The Telegraph, 2009). More than half of Youlgrave have energy saving bulbs such as CFL³s installed in all or most rooms in their homes.
- v. Gas and Electricity Conservation: 61% of householders regularly monitor their gas and electricity usage. This is done mostly by monitoring their energy bills or a combination of bill monitoring and meter reading. Only 15% of residents rely on meter readings only to monitor energy use. This may be a reflection on the time-constraints associated with modern lifestyle and over-reliance on the accuracy of energy providers’ data- as long as the bills are not unreasonably high, there is little reason to complain. 54% of residents compare their bill charges against those of other suppliers. Reliance on energy bills (for monitoring) and comparing supplier prices gives an indication that cost is influential in domestic energy and gas conservation practices.
- vi. Water Conservation: Residents were less creative in water conservation practices than with heating/insulation. Efficient washing machines and showers were the most adopted forms of water conservation. A 5 minute shower using a low flow-head consumes about 14 gallons of water while an average bath can use as much as 50 gallons. (Apex Town, 2007). It is important to note that no provision is made within the survey to differentiate between low-flow shower and regular flow-shower heads which can dispense about 10 gallons per minute (Apex Town, 2007); moreover, owning a shower, does not necessarily mean that it is used as a daily practice.

8% of residents make use of water butts and only 2% have tap flow restrictors installed. Water butt systems are used to store rainwater collected from roofing gutters. Tap flow restrictors, as the name suggests, are simple disks installed into tap joints which reduce water flow.
- vii. Reduced Flush Toilets: 21% of residents have reduced flush toilets or loo cistern hippos devices installed. Hippo[®] is a polyethene device which can be fitted to pre 2001 toilets and can save up to 3litres of water per flush. (Hippo UK Ltd, 2010).

2.5.2 Recycling

- i. Recycling Facilities: An overwhelming majority (92%) agrees with separating and recycling rubbish; however, only 70% are willing to separate out their rubbish. 92% of residents make use of existing recycling facilities although half of residents consider recycling facilities to be less than adequate. Lack of provision for cardboard and plastics, untidiness, non-central location and

² Condensing boilers are designed to extract heat from otherwise wasted flue gases. Thus they operate at higher efficiencies (at least 85%) than standard non-condensing boilers.

³ Compact Fluorescent Lamps: energy saving bulb which can fit into standard light sockets. Other examples of energy saving bulbs include LED (light emitting diode) and Cold Cathode Fluorescent Lamp (DEFRA, 2008)

infrequent collection times were the most commonly cited reasons for dissatisfaction with existing recycling facilities.

- ii. Composting: 61% of residents are engaged in making their own compost. This figure, which is much higher than the national figure of 30% (WRAP UK, 2009) may be due to compost-related activities held in Youlgrave such as home composting teaching workshop run by Youlgrave Horticultural Society and Sustainable Youlgrave.
- iii. Battery Recycling: 55% of residents dispose of used alkali batteries in the normal rubbish bin. Batteries disposed off in domestic bins tend to end up in landfill, where harmful chemicals such as mercury can be leaked into the soil/water table (direct.gov.uk, 2009). From February 2010, major retailers became legally obliged to offer in-store battery recycling facilities. Of those who still dispose of batteries in normal bins, no distinction is made between residents who are unaware of the existence of in-shop battery recycling facilities and those who choose not to use these facilities either due to inconvenience or indifference.
- iv. Use of Plastic Shopping Bags: 81% of residents do not bring groceries home using plastic bags from the shops but prefer to either recycle other plastic bags (from home) or re-use existing carrier bags.

2.5.3 Renewable Energy

- i. Sustainable Living: A vast majority (93%) of residents agree that their village should strive to be sustainably self-sufficient, although only a handful have taken the plunge to install solar panels, one of the most common alternative energy technologies.
- ii. Renewable Energy: Residents are generally informed on alternative energy with only 23% completely unaware of what renewable energy sources are. Residents have marginally higher preference for hydro-based alternative energy technology compared to wind, solar and biomass technologies.
- iii. Solar Panels: While residents are informed about solar panels, 27% are unsure of its suitability for their homes and a further 34% do not believe it is suitable. Just under half of residents would consider installing solar panels if grants were made available. Of those interested in installing solar panels, 78% would have them installed to provide both heating and hot water compared to just 4% for electricity only and 16% for hot water only.
- iv. Heat Pump: Fewer residents would consider installing heat pumps in their homes if grants were made available (36% compared to 47% for solar panels). This might be due to a lower awareness of the operation of heat pump systems compared to solar systems.
- v. Wind Turbines: 66% of residents would be comfortable with having one small/mid-size turbine installed in their homes but only 56% would be ok if it was installed in the valley. This results hints that while residents, are willing to embrace alternative energy technology in order to save money, they are less convinced of that sacrificing the “beauty” of public spaces is a necessary compromise.

2.5.4 Transport

- i. Public Transport: 88% of residents consider existing public transport service as being adequate, yet less than 4% travel to work using public transit (DCC Census Data, 2001). This figure is much lower than the rest of the England, where 15.4% rely on public transport as a main means of travelling to work.

- ii. Car Sharing: 86% of residents are aware of local car-sharing schemes but only 22% are interested in using the scheme. Inconvenience, long travelling times and inflexibility were the most cited reasons why the scheme is not an appealing option.
- iii. Shopping Habits: 37% of respondents say they try to buy locally produce goods yet only 28% shop mostly within the village. Bakewell (34%) and Matlock (15%) were next two most popular destinations for shoppers, possibly due to their close proximity to the village⁴. Online grocery shopping accounted for just 5% and Sheffield, the furthest of all the shopping destination accounted for 1%. Residents who did most of their shopping further away from home such as Chesterfield or Sheffield tend to do so because of other ties to the place, such as place of employment.

2.5.5 Sustainable Youlgrave

- i. Support and Level of Engagement: Majority of residents (74%) are supportive of the ethos of Sustainable Youlgrave and 76% believe the Sustainable Youlgrave initiative concentrates on the right issues. One-third of residents would prefer to remain disengaged from the group and are not interested in receiving news update about Sustainable Youlgrave projects/activities.

A further 64% prefer not to become members of Sustainable Youlgrave and only 40% would be willing to invest in future commercial Sustainable Youlgrave projects.

- ii. Important Issues: Residents displayed considerable concern for all the issues highlighted in the survey in the following order: energy costs, decline of honey bees, climate change, food costs, recession, petrol prices and lack of government support for farmers.

2.6 ENERGY PROFILES

Members of the public do not share identical knowledge or concerns for energy and related issues. Levels of engagement in sustainable living and energy issues will vary by location, level of education, occupation, income and both Sustainable Youlgrave and the government must understand the motivation of various groups of people have in order to successfully rally support.

In 2009, an American think-tank group called Public Agenda published results of a survey designed to probe public views on energy and related issues. Four groups, distinctive in their level of awareness and concern for energy issues, were put forward: "the Disengaged" (19% of US-population), "the Climate Change Doubters" (17%), "the Anxious" (40%) and "the Greens" (24%).

- i. **The Disengaged**: These people are detached from energy issues and have no anxiety over energy security. They have little knowledge about alternative energy or the energy race; thus are neither willing to pay higher taxes to fund investments in alternative energy nor prepared to change their lifestyles to reduce their carbon footprint.

Demographics: Mostly women and lower income earners; more than a quarter of this group were aged 65 and over.

- ii. **Climate Change Doubters**: These people are knowledgeable about some energy issues but refuse to accept the reality of global warming. They tend to resist making changes to their lifestyles for the sake of reducing carbon emission and oppose higher taxes or levies on fuel.

Demographics: More likely to be male with a level 6 qualification (e.g. university degree).

⁴Driving distance from Youlgrave: Bakewell 5.7miles; Matlock 8.7miles; Buxton 13.6miles; Chesterfield 14.2miles and Sheffield 21miles (Google Maps, 2010)

- iii. **The Anxious:** These people are aware of energy issues and display higher levels of anxiety towards rising energy costs. To some extent, this group is willing to pay higher taxes to fund investments into alternative energy and is optimistic that alternative energy could become an important energy source within 10 years.

Demographics: Likely to be 35 years and younger, unemployed or on low incomes. They also more likely to be educated only up to level 2 (GCSE)

- iv. **The Greens:** These people are most knowledgeable about energy and related issues. They are also the group most willing to pay higher taxes to fund investments into alternative energy technology. They agree with sustainable lifestyles and that domestic sacrifices must be made in order to tackle energy related problems.

Demographics: More likely to be higher income earners with level 6 and above qualifications.

The overall results of the Sustainable Youlgrave survey do not show partiality to any one segment but rather a blend of “the Greens” and “the Anxious”. On the whole, residents of Youlgrave displayed the following characteristic:

- Are informed (not detached) from issues of global warming, energy costs and alternative energy.
- Accept the reality of global warming and are willing to make changes to their lifestyle to reduce their carbon footprint.
- Not keen on being financially less off (e.g. higher taxes, expensive installations) for the sake of the environment but will not resist change.
- Are motivated, in no small measure, by cost savings and convenience when it comes to making lifestyle changes.

2.7 OTHER SUSTAINABLE LIVING COMMUNITY INITIATIVES.

Several other projects focused on sustainable development for local people have been commissioned over the last decade, each unique in their approach. A notable few are:

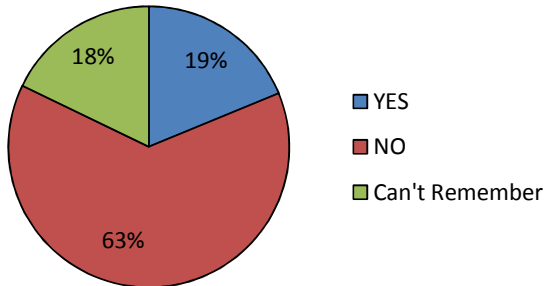
City of Leicester: This paper was produced by the Development Planning Unit of University College London as part of a compilation funded by the UK Department for International Development. It describes the experience of the city of Leicester in developing a local Agenda 21 and the changes made between 1990 and 2000 in moving the city towards its sustainable development goals. The paper includes details of measures implemented towards improving public transport, reducing fossil fuel use, increasing renewable energy, managing waste and managing resources such as water (Roberts I. , 2000).

Community Energy Scotland: An independent Scottish charity which provides advice to the local community and offer finance towards community-led renewable energy projects. Finance grants are funded by the Scottish Government's Community and Renewable Energy Scheme (CARES) and “Highlands and Islands Enterprise”. The charity has since been involved in hundreds of projects since inception. (Community Energy Scotland, 2010)

SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS

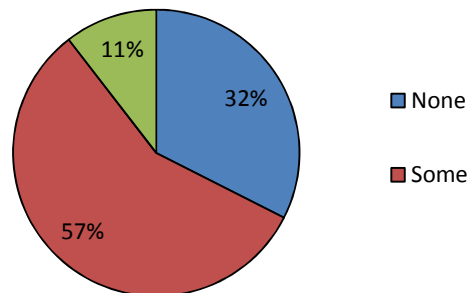
ENERGY AND WATER

Did you take part in the previous, 2007 SY household questionnaire?



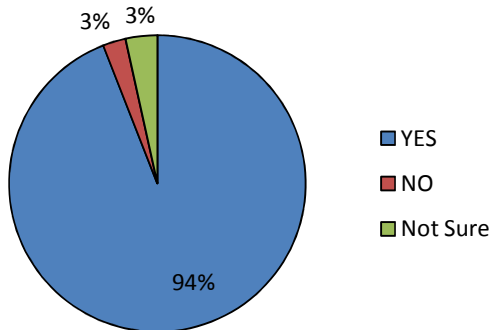
Question Response: 99%

Have you improved you house's energy efficiency/ cost savings since then?



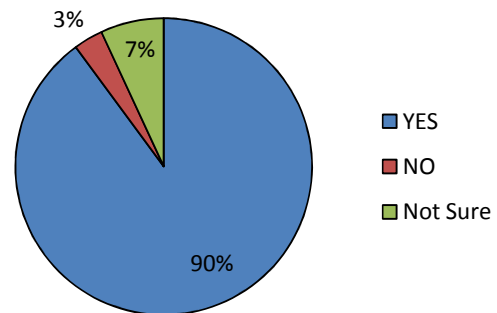
Question Response: 89%

Do you think we need to save energy and Water



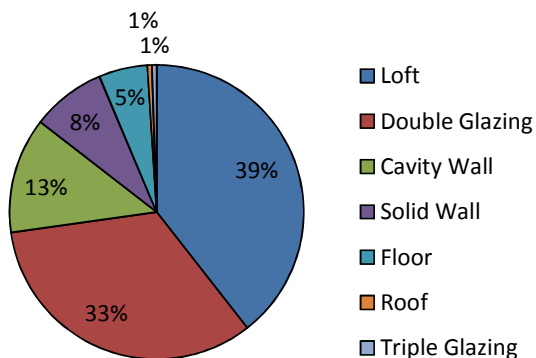
Question Response: 94%

Do you have insulation in your house?



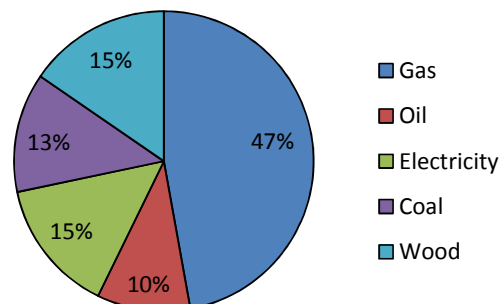
Question Response: 87%

Which type of insulation do you have in your house?



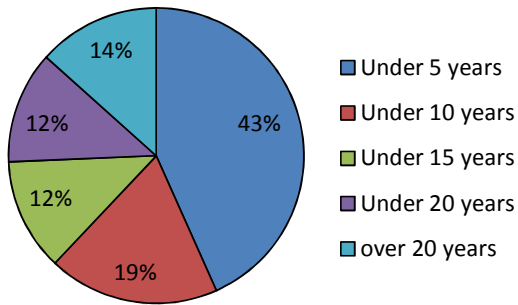
Question Response: 90%

What do you heat your home with?



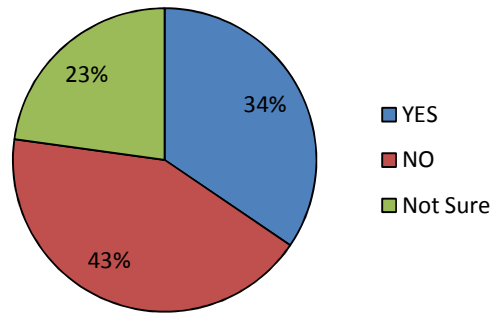
Question Response: 91%

How old is your Gas, Oil or Coal boiler?



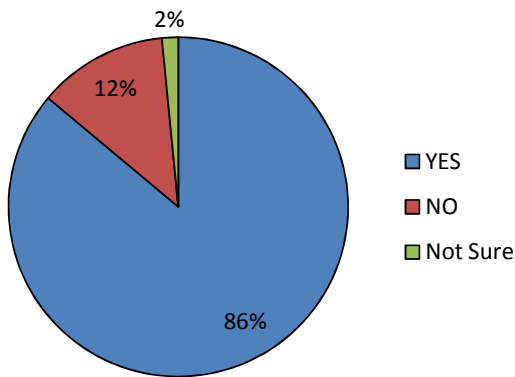
Question Response: 87%

If your boiler is not very old, is it a condensing boiler?



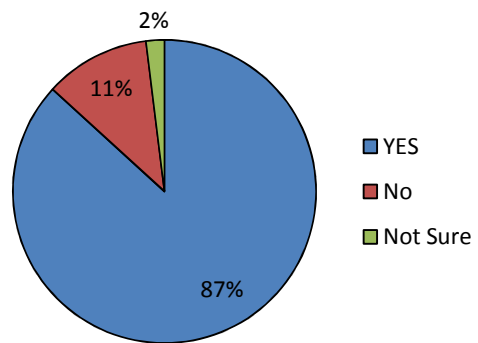
Question Response: 80%

Do you have a heating controller/programmer?



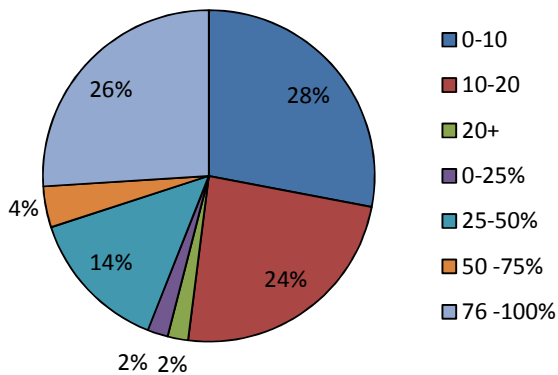
Question Response: 90%

Do you use energy saving light bulbs?



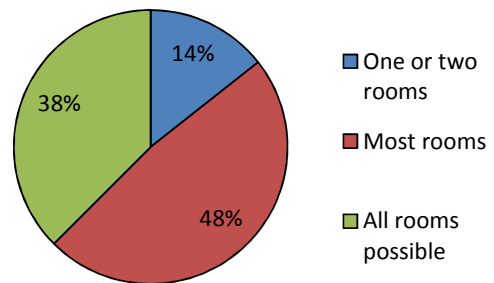
Question Response: 95%

Approximately how many energy light bulbs do you use?



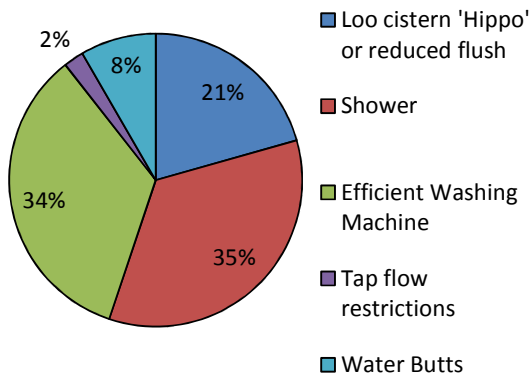
Question Response: 80%

Where do you use your energy savings light bulbs?



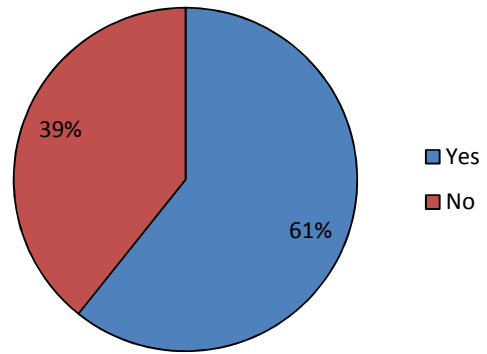
Question Response: 74%

How do you save water?



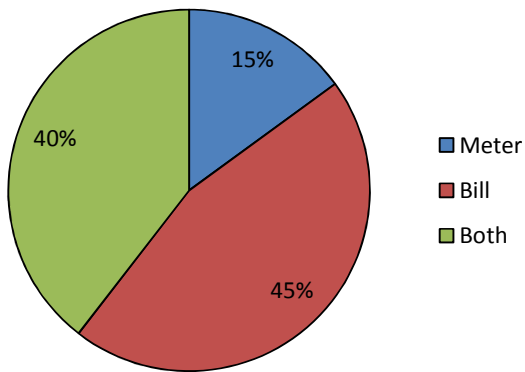
Question Response: 87%

Do you regularly check how much electricity and gas you use?



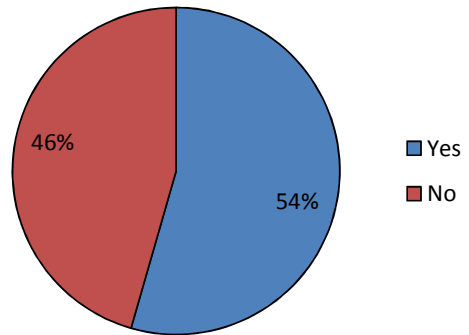
Question Response: 91%

How do you check how much electricity and gas you use?



Question Response: 78%

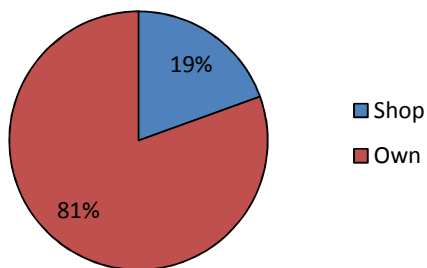
Do you compare your charges against those of other suppliers?



Question Response: 89%

SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS: RECYCLING

Do you bring your food shopping home in shop plastic bags or own recycled bag?

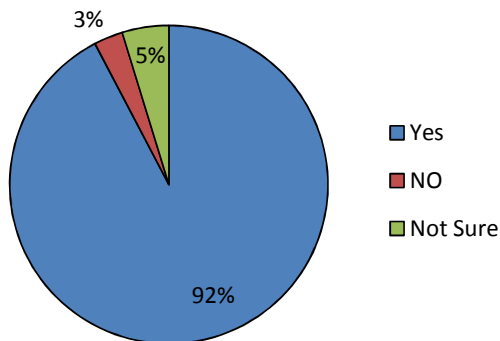


Question Response: 99%

SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS

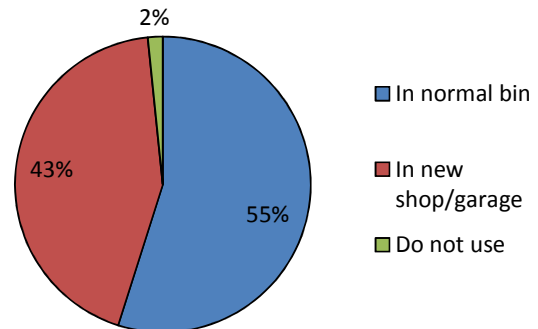
RECYCLING

Do you agree with separating and recycling your rubbish?



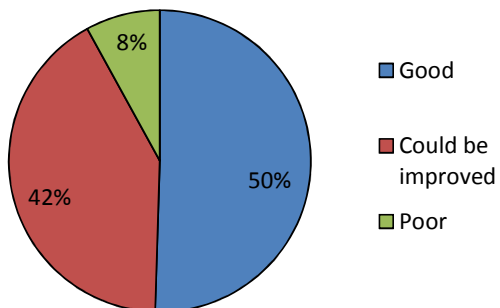
Question Response: 79%

How do you dispose of used small batteries?



Question Response: 83%

What do you think of recycling facilities in your area?



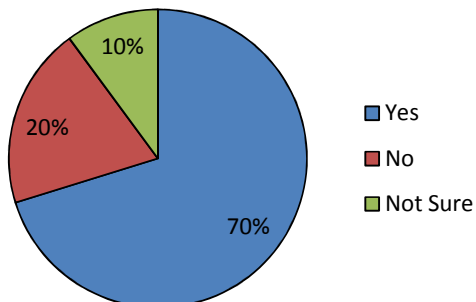
Question Response: 93%

How do you think local recycling facilities can be improved ?

- Create allotments for cardboards and plastics
- Make less untidy
- Increase frequency of removal
- More central location

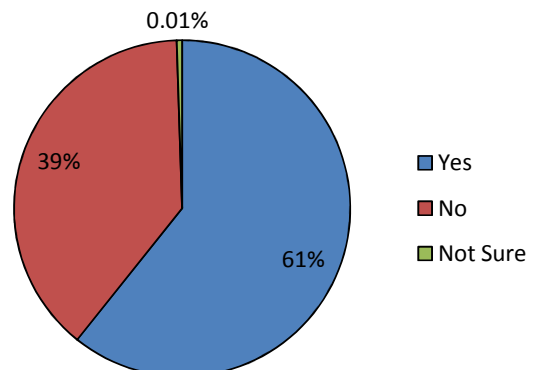
Question Response: 12%

Would you be willing to separate out more of your rubbish?



Question Response: 87%

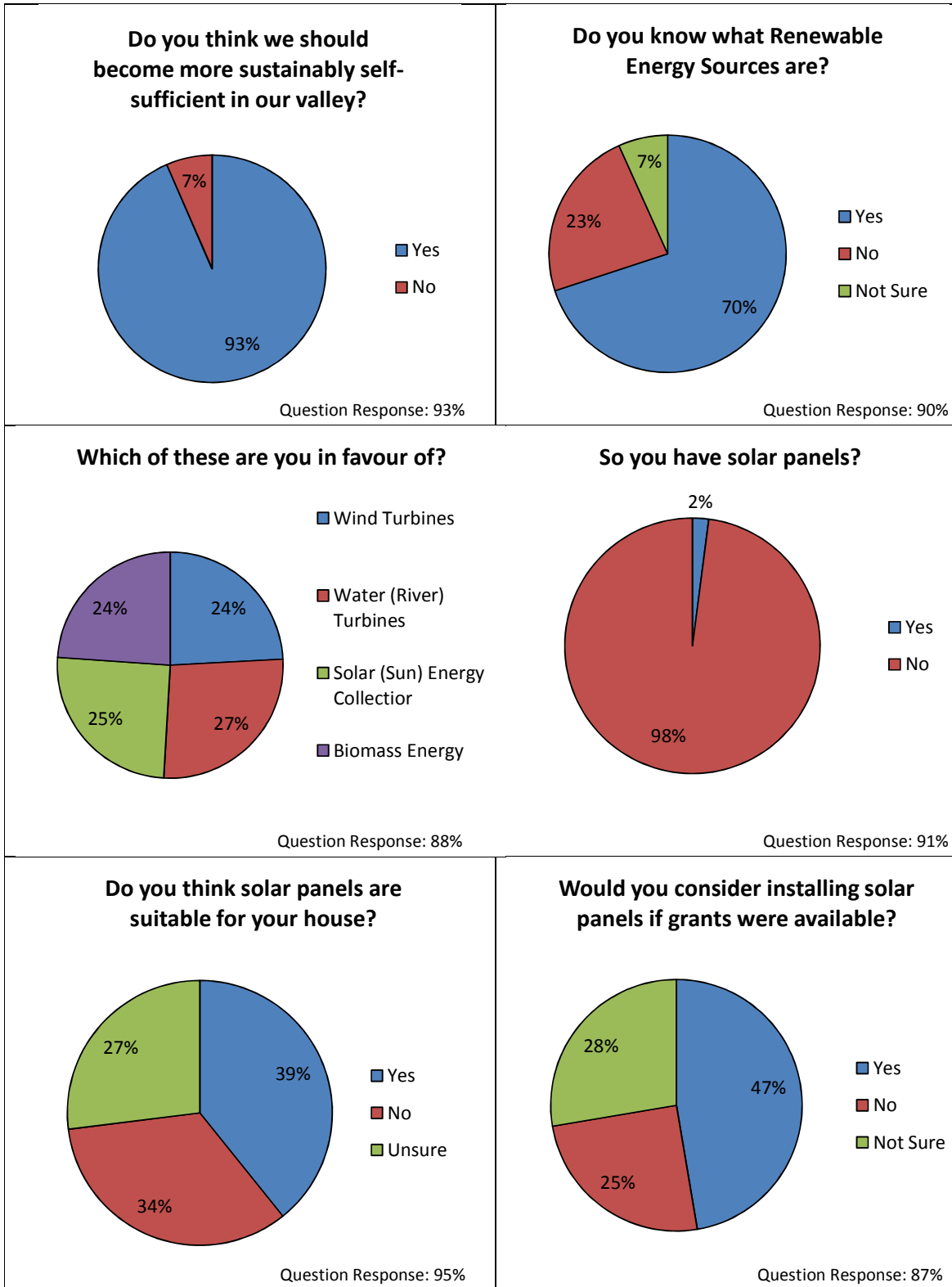
Do you make your own compost?



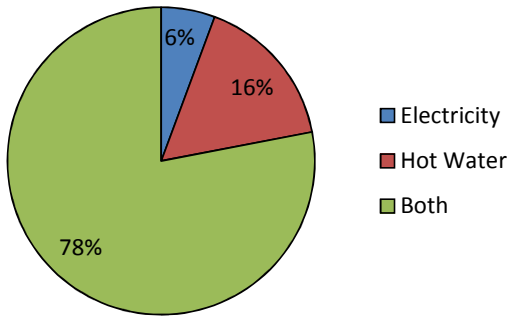
Question Response: 89%

SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS

RENEWABLE ENERGY

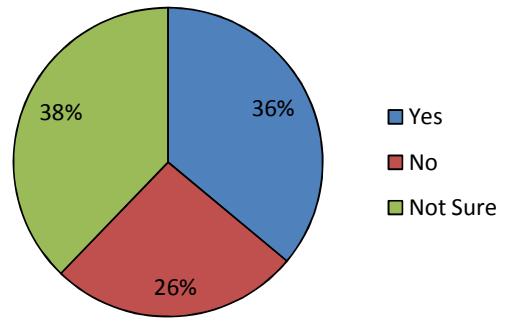


Is your interest in solar panel for electricity, for hot water or both?



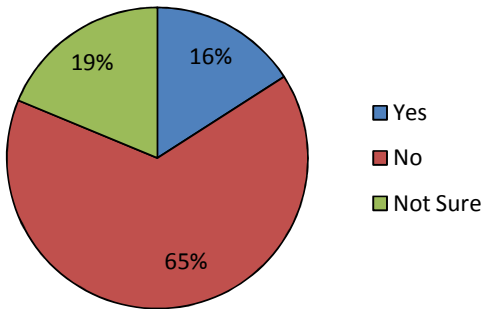
Question Response: 66%

Would you consider alternative heating by heat pump if grants existed?



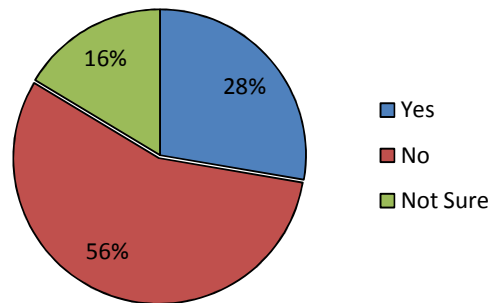
Question Response: 80%

Would you object to seeing one small/medium-size, wind turbing from your home?



Question Response: 82%

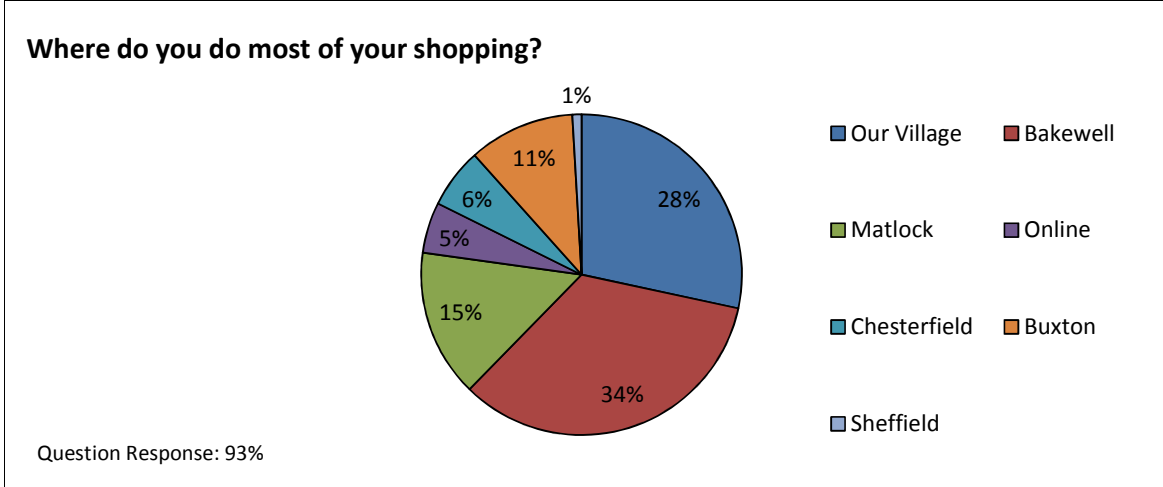
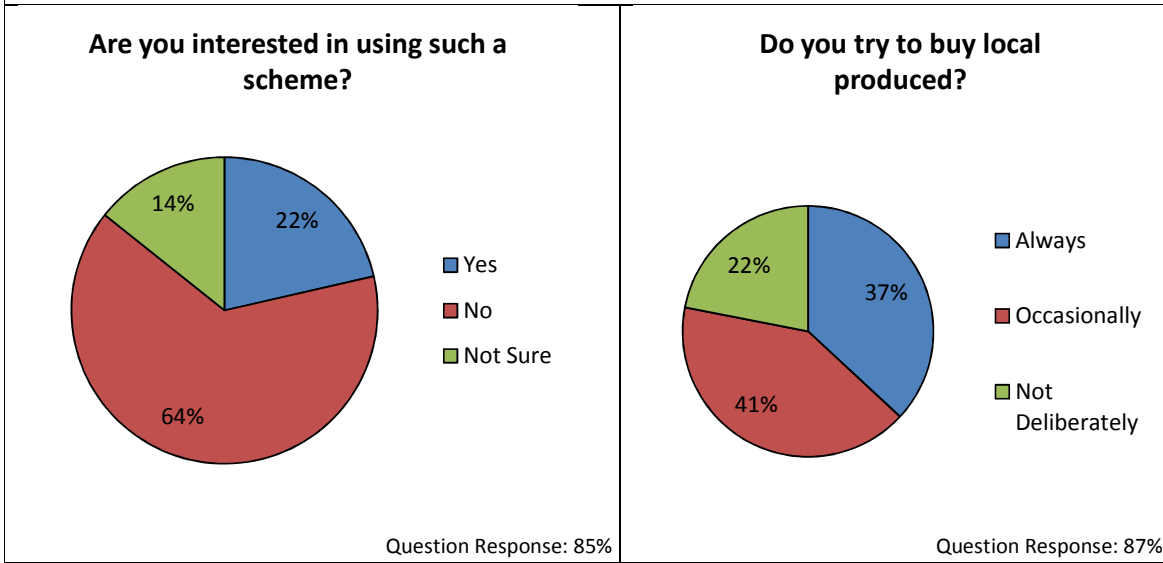
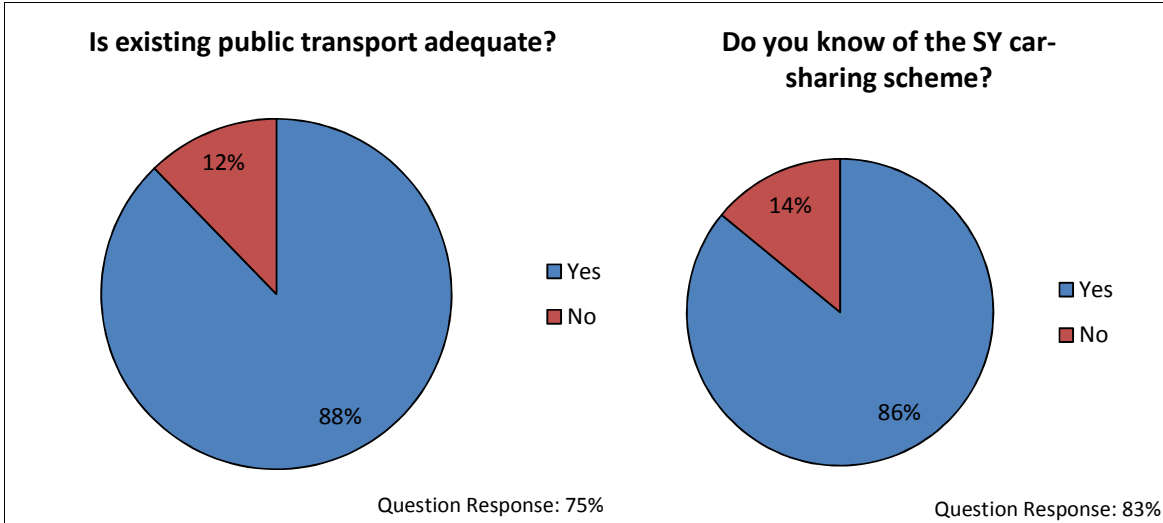
Would you object to seeing one small/medium-size, wind turbing in our valley if it was sited sensitively?



Question Response: 82%

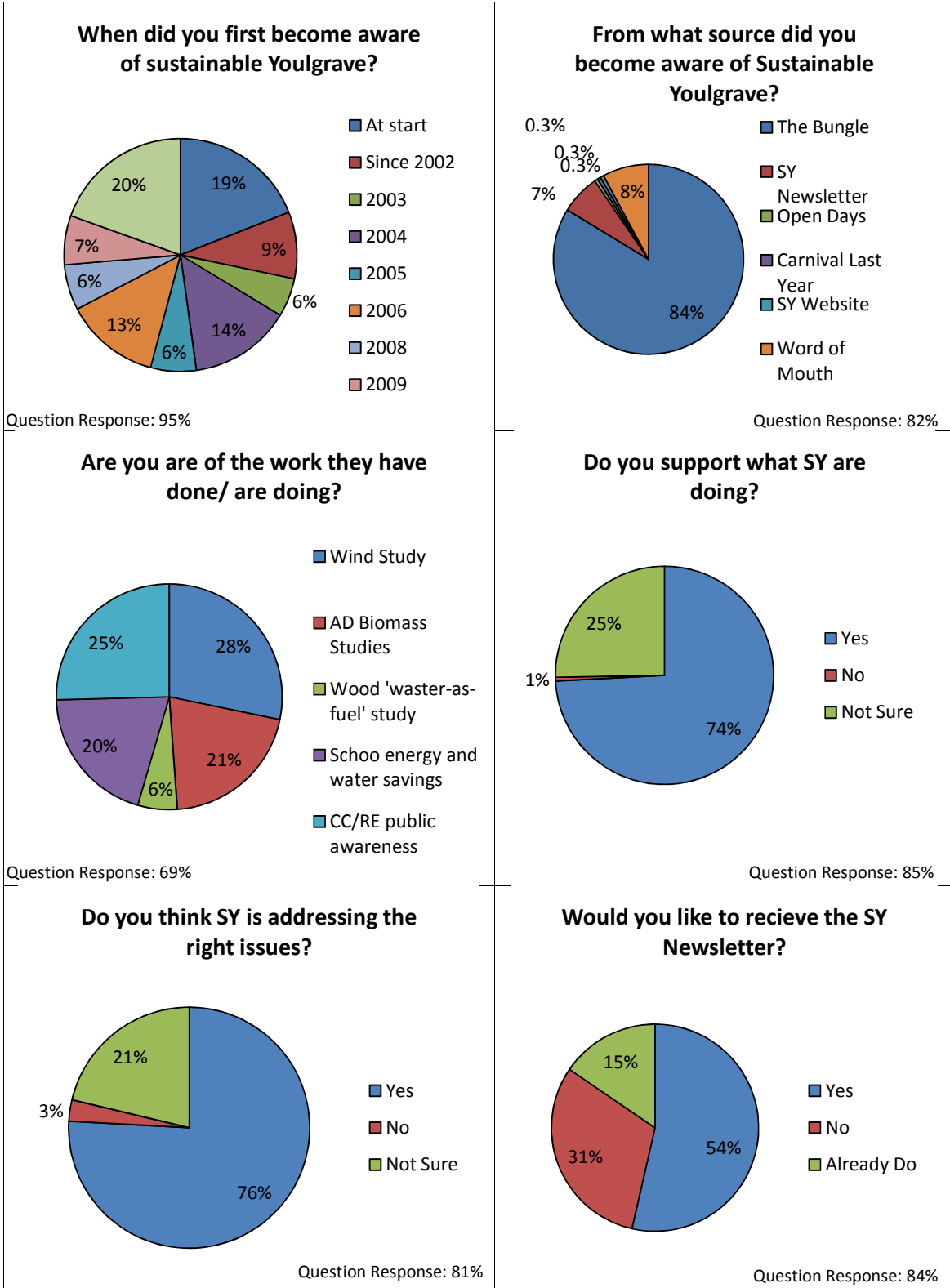
SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS

TRANSPORT

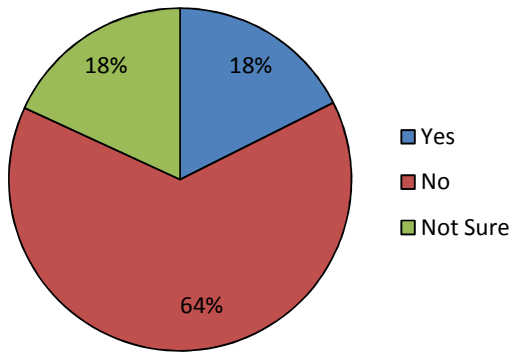


SUSTAINABLE YOULGRAVE: QUESTIONNAIRE RESULTS

SUSTAINABLE YOULGRAVE

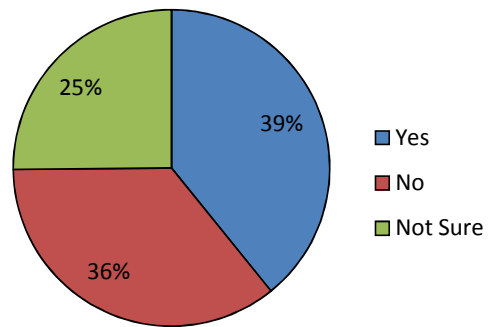


Would you like to become an SY member?



Question Response: 90%

Would you invest in SY commercial projects, if you were able to?



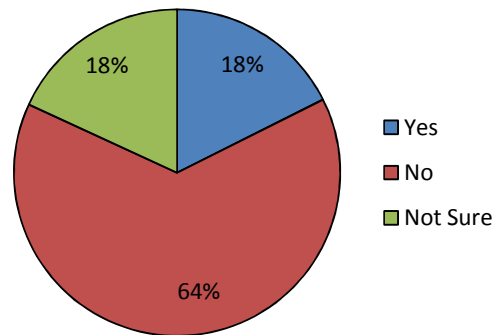
Question Response: 80%

What is the most important issue for you right now?

- Energy Cost** 1
- Decline of Honey Bees** 2
- Climate Change** 3
- Food Costs** 3
- Recession** 4
- Petrol Prices** 6
- Lack of Govt support for farmers** 7

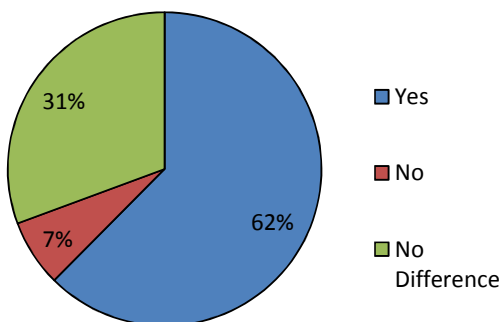
Question Response: 88%

Would you like to become an SY member?



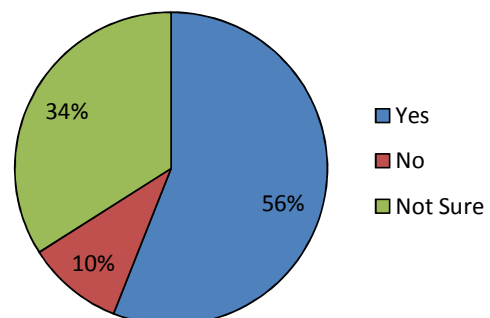
Question Response: 90%

Does it make you feel more positively towards SY?



Question Response: 80%

Do you think global warming/ climate change is actually happening?



Question Response: 23%

Date: M/F Y/M/E R/V Years in BV: Alport/Youlgrave/Middleton, Road

Sustainable Youlgrave Questionnaire – Summer 2009

Sustainable Youlgrave is a local community initiative by and for the people of Youlgrave, Middleton-by-Youlgrave, Alport, Gratton, Harthill & Friden. We aim to reduce our impact on the environment both locally and globally through a range of innovative energy and water projects to save money for the benefit of our community. The government estimates that there is a potential, average energy saving of 27% to be found in UK households. **“It’s about our local community taking control of its own future”**

We hope you will help us by answering (either Tick/Cross/Circle/Number the answers as appropriate) the following short survey, and returning it to **Judith Orchard (630202)** or **Andrew McCloy (636125)**.

Energy & Water

Did you take part in the previous, 2007 SY Household Questionnaire? Yes/ No/ Can't remember

Have you improved your house's energy efficiency/cost savings since then? None/ Some/Quite a lot

Do you think we need to save energy and water? Yes/ No/ Not sure

Why?

Do you have insulation in your house: Yes/ No/ Not sure

If yes, in the: Loft? Cavity Wall? Solid wall (internal or external)? Floor? Double glazing?

Is your home heated by (**underline main source**): gas oil electricity coal wood

If gas, oil or coal, about how old is your boiler? Under 5y/ under 10y/ under 15y/ under 20y/ over

Is it a condensing boiler? Yes/ no/ not sure; or a different type? Back-boiler/Kitchen stove

Do your radiators have Thermostatic Radiator Valves (TRV's)? Yes/No/Not sure

Do you have a heating controller/programmer? Yes/ no/ not sure

Do you use energy saving light bulbs? Yes/ no/ not sure

Approximately how many (as a total or a %)?

If so where do you use them? One or two rooms/most rooms/All rooms possible

Do you save water by: Loo cistern 'Hippo' or reduced flush? Shower? Efficient Washing M/c?

Tap flow restrictors? Rain harvesting (e.g. Water butt)? Other means?

Do you regularly check how much electricity and gas you use? Yes/ No

If so, do you do so by meter readings, by checking your bill or by both? Meter/ bill/ both

Do you compare your charges against those of other competing suppliers? Yes/No

If you do, which energy supplier do you buy from? Cheapest at the time? Renewable 'Green' tariff?

Same one as previously, as less bother? Other?

Would you consider switching to a Renewable 'Green' tariff if: It cost less? The cost was the same?

It cost a little bit more (say a few %)? It cost much more? **(Circle which willing to go up to, please)**

Would you like information from SY to help you save money by reducing: your Energy bills/Food costs/
your Petrol consumption? **(If yes, circle which & prioritise 1,2,3)** House No./Name?.....

Would you be interested in a free detailed energy and waste survey of your home, to save money?

Yes/ No House No./Name?.....

Recycling

Do you agree with separating & recycling our rubbish? Yes/No/Not Sure

Do you use our local recycling facilities (by Youlgrave allotments)? Yes/ No/Not sure

What do you think of recycling facilities in your area? Good/ Could be improved/poor

If could be improved, how?

Would you be willing to separate out more of your rubbish e.g. foodwaste etc., especially if it could be used for recycling in our Valley? Yes/No/Not Sure

Why?

Do you make your own compost? Yes/ No/ Not sure

How do you dispose of used small batteries? In normal bin/In new shop + garage containers

Do you bring your food shopping home in shop plastic bags or your own recycled bag? Shop/Own

Renewable energy

Do you think we should become more sustainably self-sufficient in our Valley? Yes/No

Why?

Do you know what Renewable Energy sources are? Yes/ No/ Not sure

Are you generally in favour of: Wind turbines? Water (river) turbines? Solar (sun) energy collectors?

Biomass Energy (Biomass = Farm manure etc. & off-farm organic waste digestion, woodfuel, energy crops)?

If not some, Why?

Do you have solar panels? Yes/ No

If No, do you think they are suitable for this house? Yes/ No/ Not sure

If so, would you consider installing them if grants were available? Yes/ No/ Not sure

If yes, is your interest in solar panels for electricity, for hot water, or both? Electricity/Hot water/Both

Do you know what a heat pump is? Yes/No/Not sure

Would you consider alternative heating by a heat pump if grants were available? Yes/ No/ Not sure

Would you object to seeing 1 small or 1 medium-size, wind turbine from your home? Yes/ No/ Not sure

Or anywhere in our valley if it was sited sensitively e.g. at LRS/DSF industrial sites? Yes/ No/ Not sure

Transport

Is existing public transport adequate or are there other ways you consider could be more effective?

.....
.....

Do you know of the SY car-sharing scheme (via Judith Orchard/John Sutcliffe/website)? Yes/ No

Are you interested in using such a scheme? Yes/ No/ Not sure

If Not, why?

Do you do most of your food shopping (**underline main one**):

In person in: Our Village? Bakewell? Matlock? Online? Other?

And/Or, have it delivered by?

Do you try to buy local produce? Always/Occasionally/Not deliberately

SY

When did you first become aware of Sustainable Youlgrave?

From what source: The Bugle? SY Newsletter? Open Days? Carnival last year? SY website? Person?

Are you aware of the work they have done/are doing: Wind study? AD biomass Studies? Bees?

Wood 'waste'-as-fuel study? School energy/water saving? CC/RE public awareness events?

Do you support what Sustainable Youlgrave are doing? Yes/ No/ Not sure

Do you think they are addressing the right issues? Yes/ No/ Not sure

If No or Not sure, what would you like them to be doing?

.....

Would you like to receive their Newsletter? Yes/No/Already do email address?

Will pick up in shops/pubs? House No./Name?

Would you like to become a member? Yes/No/Not sure/Already am House No./Name?

If you were able to, would you consider investing (e.g. take shares in) SY commercial projects (e.g. an Organic Waste Digester) that were viable and offered a reasonable financial return? Yes/ No/ Not sure

Which is the most important issue for you right now? CC/Energy costs/Food costs/Recession/Lack of government support for our farmers/Petrol prices/Decline of Honey bees (Circle 3 & prioritise 1,2,3)

Apart from the recession, did you know that SY is working to try and combat the impact of these for the community? Yes/No

Does it make you feel more positive towards SY? Yes/No/No different

Do you think that Global warming/CC is actually happening? Yes/No/Not sure

Any other comments/thoughts about this Questionnaire's topics?

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Sustainable Youlgrave Questionnaire – Summer 2009

Glossary of Terms

Condensing boiler	A very energy efficient boiler that extracts more heat from the gases that normally are wasted up the chimney (flue).
Heating controller/programmer	An electronic device that allows you to choose & programme when you want the heating on (& off), how warm you want it kept at, and where you want it (measured by individual room thermostats). It turns the boiler on only when it needs to be and makes your heating system more efficient.
Loo cistern 'Hippo' or reduced flush	A plastic bag that is put in the cistern to reduce the amount of water used to flush the loo pan. An alternative is to have a dual flush siphon mechanism in the cistern that significantly limits the quantity of water used to at least half that of the old siphon amount and also a smaller quantity by choice.
Tap flow restrictor	An insert in side the tap which reduces the amount of water flowing through the tap to a minimum safe limit to save its use.
Renewable 'Green' energy	Energy generated from natural resources, such as the sun, wind, rivers & tides, organic material (biomass - wood, agricultural crops/waste, plant/animal matter), heat from the earth, all of which are renewable (naturally replenished). Green energy is renewable and considered to be environmentally-friendly and non-polluting, and those which produce less carbon emissions.
Recycling	The process of making new products from used materials to prevent the unnecessary waste of them, and to reduce the consumption of raw materials otherwise needed, as well as using less energy to produce the new ones, and reducing air, ground and water pollution.
Composting	The natural decomposition of organic waste into a rich dark soil for use as a conditioner or fertilizer by bacteria either with air (aerobic) or without air (anaerobic).
Wind turbine	A rotating machine that captures the energy in the wind and converts it into mechanical/electrical energy.
Water turbine	A rotating machine that captures the energy from moving or falling water and converts it into mechanical/electrical energy.
Solar energy collector	A device for collecting energy from the sun either as hot water or in generating electricity.

Biomass

Biological material derived from living or dead organisms such as wood, agricultural or garden waste, animal matter, as well as used vegetable oils and greases.

Anaerobic Digestion

A series of processes in which bacteria break down organic waste (biomass) in the absence of oxygen to produce methane (biogas) for use as a fuel.

Heat Pump

An electro-mechanical device (or machine) that moves heat from one location to another e.g. a fridge (from the food inside to the evaporator coil outside), a ground or air source hp (from external sources to the rooms inside being heated).

Local survey of your views

Over this week and next, Sustainable Youlgrave will be carrying out a survey of households in the Youlgrave area. It will be conducted by a team of supervised students from the University of Sheffield who will go from house to house and ask questions such as:

- Do you try and save energy in your house?
- Do you recycle?
- Do you believe in renewable energy?
- What do you know about Sustainable Youlgrave and do you support what they are trying to do?

The questions should only take a few minutes to answer and your responses will help us understand about the needs and priorities of our community.

The students (pictured) will all wear ID and they will be supervised by their tutor and Sustainable Youlgrave's Judith Orchard – please call her on 630202 if you have any queries.

Thank you in advance for your time.

