

**Cardiff University - Energy Futures and Climate Change Survey 2010
DRAFT Topline**

- Results are based on 1,822 face-to-face in-home CAPI interviews with members of the British public (England, Scotland and Wales) aged 15+
- Samples surveyed around two power stations have been excluded from this topline and are presented separately
- Fieldwork was conducted between 6 January and 26 March 2010
- Data are weighted to the profile of the known population
- Where results do not sum to 100, this may be due to multiple responses or computer rounding
- Results are based on all respondents unless otherwise stated
- An asterisk (*) represents a value of less than one percent, but more than zero
- Where possible, comparative data have been provided from similar surveys conducted in 2005 (based on 1,491 respondents aged 15+) and 2002 (based on 1,547 respondents aged 15+)

Q1. How favourable or unfavourable are your overall opinions or impressions of the following energy sources for producing electricity currently?

	Very favourable %	Mainly favourable %	Neither favourable nor unfavourable %	Mainly unfavourable %	Very unfavourable %	Never heard of it %	No opinion/Don't know %
Biomass, that is wood, energy crops, and human and animal waste	24	34	19	9	5	7	3
2005	18	36	17	6	2	10	9
Coal	9	27	19	30	13	*	2
2005	7	31	24	25	8	*	3
Gas	14	42	20	18	4	*	2
2005	10	45	21	14	4	*	3
Hydroelectric power	39	37	13	3	1	5	3
2005	36	40	11	2	1	3	7
Nuclear power	10	24	20	21	20	1	3
2005	9	27	22	20	17	1	6
Oil	5	27	26	28	10	1	2
2005	6	33	22	25	8	*	4
Sun/Solar power	56	32	6	3	1	*	1
2005	55	32	6	2	1	*	2
Wind power	49	33	9	5	3	1	1
2005	50	31	8	5	2	*	2

Q2. **From what you know or have heard about using nuclear power for generating electricity in Britain, on balance, which of these statements, if any, most closely reflects your own opinion?**

	2010 %	2005 %
The benefits of nuclear power far outweigh the risks	16	13
The benefits of nuclear power slightly outweigh the risks	22	19
The benefits and risks of nuclear power are about the same	17	20
The risks of nuclear power slightly outweigh the benefits	19	16
The risks of nuclear power far outweigh the benefits	17	25
None of these	1	1
Don't know	7	6

Q3. **Which, if any, of the following statements most closely describes your own opinion about nuclear power in Britain today?**

	2010 %	2005 %
We should increase the number of nuclear power stations	17	9
We should continue using the existing nuclear power stations, and replace them with new ones when they reach the end of their life	29	34
We should continue using the existing nuclear power stations, but not replace them with new ones when they reach the end of their life	33	34
We should shut down all existing nuclear power stations now, and not replace them with new ones	13	15
None of these	1	1
Don't know	6	6

Q4. **On a purely emotional level, how do you personally feel about nuclear power?**

	%
Very positive	10
Fairly positive	23
Neither positive nor negative	21
Fairly negative	23
Very negative	19
No opinion	2
Don't know	1

Q5. How concerned, if at all, are you about nuclear power?

	%	
	2010	2005
Very concerned	16	28
Fairly concerned	38	31
Not very concerned	30	27
Not at all concerned	12	11
Don't know	2	3
No opinion	2	N/A

Q6. To what extent do you agree or disagree with each of the following statements about nuclear power?

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	No opinion	Don't know
	%						
There are risks to people in Britain from nuclear power	17	44	16	15	3	1	4
2005	24	48	14	8	1	3	n/a
I feel confident that the British Government adequately regulates nuclear power	7	33	22	20	12	2	6
2005	4	28	26	23	10	8	n/a
There are benefits to people in Britain from nuclear power	16	44	16	12	6	1	5
2005	9	40	25	12	7	6	n/a
I have mixed feelings about nuclear power	13	39	16	18	11	1	1
2005	11	45	15	17	10	2	n/a
I don't really like the idea of nuclear power, but I reluctantly accept that we will need it to help combat climate change and improve energy security (i.e. a reliable supply of affordable energy) in the UK	13	44	14	16	10	2	2
I don't trust the nuclear industry to run nuclear power stations safely	11	23	21	27	12	1	4
I have strong opinions about nuclear power	18	27	31	17	4	2	1
2005	20	27	30	17	3	2	n/a

Q7. How concerned, if at all, are you that in the future...

	Not at all concerned %	Not very concerned %	Fairly concerned %	Very concerned %	No opinion %	Don't know %
...electricity will become unaffordable?	3	18	38	40	1	1
... electricity will be rationed?	5	25	36	30	1	3
...the UK will become too dependent on energy from other countries?	2	14	36	45	*	3
...terrorist attacks will cause interruptions to electricity supplies?	7	29	35	23	2	4
...supplies of fossil fuels (e.g. coal and gas) will run out?	4	15	38	40	1	2
...there will be power cuts	3	25	41	28	1	2

Q8. How concerned, if at all, are you about climate change, sometimes referred to as 'global warming'?

	2010 %	2005 %
Very concerned	28	44
Fairly concerned	43	38
Not very concerned	19	12
Not at all concerned	8	3
Don't know	1	N/A
No opinion	1	1

Q9. As far as you know, do you personally think the world's climate is changing, or not?

	2010 %	2005 %
Yes	78	91
No	15	4
Don't know	6	5

Q10. Thinking about the causes of climate change, which, if any, of the following best describes your opinion?

	%
Climate change is entirely caused by natural processes	6
Climate change is mainly caused by natural processes	12
Climate change is partly caused by natural processes and partly caused by human activity	47
Climate change is mainly caused by human activity	24
Climate change is entirely caused by human activity	7
I think there is no such thing as climate change	2
Don't know	2
No opinion	1

Q11. To what extent do you agree or disagree with each of the following statements about climate change?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I am uncertain that climate change is really happening	6	22	12	35	24	1	*
There are risks to people in Britain from climate change	19	47	14	12	4	1	2
2005	28	49	11	7	1	3	n/a
There are benefits to people in Britain from climate change	2	16	25	35	18	1	3
2005	1	12	21	33	27	4	n/a
I have mixed feelings about climate change	9	40	18	21	10	2	1
2005	5	36	15	23	18	2	n/a
2002	10	42	21	17	7	3	n/a
I have strong opinions about climate change	19	32	25	18	4	1	*
2005	26	33	23	12	3	2	n/a
My emotions relating to climate change are quite strong	16	33	23	22	4	1	*
I trust the British Government to take appropriate action against climate change	6	25	16	28	23	1	1
The seriousness of climate change is exaggerated	12	28	15	28	14	1	2
Most scientists agree that humans are causing climate change	14	42	17	16	4	1	4
It is uncertain what the effects of climate change will be	14	56	12	11	4	1	2

Q12. To what extent do you agree or disagree with each of the following statements about climate change?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I can personally help to reduce climate change by changing my behaviour	17	46	12	17	7	1	1
There are a variety of external factors that make it difficult for me to take actions that help to reduce climate change	14	43	18	18	3	2	1
It is hard to take action against climate change even if you want to	11	44	12	25	6	1	1
I personally feel that I can make a difference with regard to climate change	11	42	15	21	10	1	1
I feel a sense of urgency to change my behaviour to help to reduce climate change	10	32	21	25	11	1	1
It is my responsibility to help to do something about climate change	20	50	14	9	5	1	*
I think that climate change is likely to be a serious problem for Britain	22	40	16	15	4	*	3

Q13. When, if at all, do you think Britain will start feeling the effects of climate change?

	%
We are already feeling the effects	41
In the next 10 years	13
In the next 25 years	14
In the next 50 years	11
In the next 100 years	5
Beyond the next 100 years	4
Never	4
Don't know	7
No Opinion	*

Q14. To what extent do you agree or disagree with each of the following statements about climate change?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
Climate change will mostly affect areas that are far away from here	7	25	15	33	15	1	3
My local area is likely to be affected by climate change	13	40	16	21	6	1	3
Climate change will mostly affect developing countries	14	32	15	25	11	1	3
Climate change is likely to have a big impact on people like me	11	34	20	25	8	1	3

Q15. On a purely emotional level, how do you personally feel about climate change?

	%
Very positive	4
Fairly positive	17
Neither positive nor negative	34
Fairly negative	30
Very negative	11
Don't know	1
No Opinion	2

Q16. How do you think ...

	Very positive %	Fairly positive %	Neither negative nor positive %	Fairly negative %	Very negative %	Don't know %	No opinion %
...that most people in your local area feel about climate change?	4	26	40	10	2	5	14
... most people in Britain feel about climate change?	3	34	37	12	2	3	9

Q17. We have some further statements regarding how you think about climate change. To what extent do you agree or disagree with the following statements?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I like to read and think about climate change	11	35	19	26	9	1	*
Climate change gets me thinking about lots of other related topics and issues	14	41	16	20	7	1	*
I don't give information about climate change my full thought and attention	9	44	15	24	7	1	*
I tend to skip over or skim read any information I get on climate change	9	38	11	30	11	1	*

Q18. Considering any potential effects of climate change which there might be on you personally, how concerned, if at all, are you about climate change?

	%
Very concerned	17
Fairly concerned	43
Not very concerned	28
Not at all concerned	12
Don't know	*
No Opinion	*

Q19. Considering any potential effects of climate change there might be on society in general, how concerned are you about climate change?

	%
Very concerned	18
Fairly concerned	48
Not very concerned	24
Not at all concerned	8
Don't know	2
No Opinion	1

Q20. Which one, if any, of these do you think should be mainly responsible for taking action against climate change?

	2010 %	2005 %
Environmental groups	3	4
Individuals and their families	10	8
Industry/ Companies	16	10
Local authorities	3	2
National Governments	32	39
The international community	30	32
None of these	3	*
Don't know	2	2
Other	1	n/a

Q21. To what extent do you agree or disagree with each of the following statements?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I am willing to accept the building of new nuclear power stations if it would help to tackle climate change	17	39	14	16	11	2	1
2005	11	43	18	15	8	3	n/a
We shouldn't think of nuclear power as a solution for climate change before exploring all other energy options	30	39	12	11	4	2	1
2005	29	45	10	7	3	3	n/a
Promoting renewable energy sources, such as solar and wind power, is a better way of tackling climate change than nuclear power	37	33	14	9	4	1	1
2005	40	38	10	6	2	2	n/a
We need nuclear power because renewable energy sources alone are not able to meet our electricity needs	17	38	18	16	7	2	2
2005	10	38	22	17	6	5	n/a
Britain needs a mix of energy sources to ensure a reliable supply of electricity, including nuclear power and renewable energy sources	28	45	11	9	4	1	1
2005	17	46	17	11	3	3	n/a
I am willing to accept the building of new nuclear power stations if it would help to improve energy security (i.e. a reliable supply of affordable energy)	20	36	14	16	11	2	1
Britain needs a mix of energy sources to ensure a reliable supply of electricity, but this doesn't need to include nuclear power	20	38	14	19	7	1	1

Q22. The use of large scale engineering projects designed specifically to combat global climate change is termed 'geo-engineering'. How much, if at all, would you say you know about this subject?

	%
I know a great amount about geo-engineering	1
I know a fair amount about geo-engineering	6
I know just a little about geo-engineering	18
I have heard of geo-engineering but know almost nothing about it	25
I have not heard of geo-engineering	50

Q23. Overall, to what extent would you support geoengineering approaches to tackling climate change?

	%
Strongly support	13
Tend to support	34
Neither support nor oppose	28
Tend to oppose	3
Strongly oppose	1
Don't know	22

Q24. Scientists have made a number of geoengineering proposals to tackle climate change, although currently, the costs, benefits and side effects are uncertain. To what extent would you support or oppose the following?

	Strongly support %	Tend to support %	Neither support nor oppose %	Tend to oppose %	Strongly oppose %	No opinion %	Don't know %
Developing technology to reduce global temperatures by reflecting sunlight back into space.	8	33	27	12	7	7	6
Developing technology to extract the gases that cause climate change from the air and store them	11	36	25	12	4	5	7

Q25. To what extent would you support or oppose the following developments in your area? (by 'area' we mean up to approximately 5 miles from your home)?

	Strongly support %	Tend to support %	Neither support nor oppose %	Tend to oppose %	Strongly oppose %	No opinion %	Don't know %
...the building of a new nuclear power station	5	19	14	21	39	1	1
...the building of a new coal fired power station	3	17	17	31	29	2	1
...the building of a new wind farm	30	43	9	9	7	1	1

Q26. To what extent do you think that your local community would support or oppose the following developments in your area?

	Strongly support %	Tend to support %	Neither support nor oppose %	Tend to oppose %	Strongly oppose %	No opinion %	Don't know %
...the building of a new nuclear power station	3	11	10	23	47	3	4
...the building of a new coal fired power station	2	13	15	29	33	3	4
...the building of a new wind farm	16	37	12	17	13	2	4

Q27. To the best of your knowledge, how far do you live from the following energy generating facilities?

	0-5 miles %	6-10 miles %	11-20 miles %	21-50 miles %	51+ miles %	Don't know %
A coal-fired power station	2	5	10	15	27	41
A gas-fired power station	2	4	8	10	22	53
A hydroelectric power station	1	2	4	9	39	45
A nuclear power station	1	2	5	14	47	31
A wind farm	8	13	16	19	19	25

Q28. Some people have proposed that a barrage should be built across the Severn Estuary (the body of water between South Wales and the North Somerset and Gloucestershire coast). This could generate renewable electricity from tidal power, but would also be expensive and have significant environmental impacts.

Are you in favour or against a barrage across the Severn Estuary?

	%
Strongly in favour	15
Slightly in favour	25
Neither in favour nor against	26
Slightly against	14
Strongly against	10
No opinion	6
Don't know	5

Q38. If you were to vote today, how do you think you would be likely to vote in relation to the following?

	Definitely vote against %	Probably vote against %	Probably vote in favour %	Definitely vote in favour %	I would not vote %	No opinion %	Don't know %
Whether to build new nuclear power stations in Britain	26	20	25	17	7	2	4
Whether to build new wind farms in Britain	5	7	29	52	3	1	2
Whether to build new coal fired power stations in Britain	18	32	26	10	6	3	5
Whether to spend taxpayers' money on British projects designed to tackle climate change.	7	13	41	27	5	3	4

Q39. Considering your current electricity bills, by how much, if at all, would you be willing to increase the amount that you pay per month in order to ensure that:

	£0 %	£2 %	£4 %	£6 %	£8 %	£10 %	£12 %	£14 %	£16 %	£18 %	£20 %	A higher amount per month – please state %
Your electricity comes primarily from renewables?	36	12	10	7	5	19	2	2	1	*	6	1
Your electricity comes primarily from nuclear power?	72	6	6	4	2	8	1	*	*	*	2	*

Q40. Do you think you will or won't use carbon off-setting in the future (that is paying money to green schemes to balance out the carbon emissions you personally produce)?

	%
Definitely will	6
Probably will	36
Probably won't	28
Definitely won't	18
Don't know	13

Q41. To what extent do you agree or disagree with the following statements?

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I am prepared to greatly reduce my energy use to help tackle climate change	15	50	16	12	5	1	1
I am prepared to pay significantly more money for energy efficient products	8	36	17	23	13	1	2

Q42. Have you personally noticed any signs of climate change during your lifetime?

	%
Yes	59
No	37
Don't know	4

Q43. If so what?

Base: All respondents who have noticed any signs of climate change during their lifetime (1,076)

	%
Changes to weather	58
Weather change	20
Snow patterns changing	11
Extremes of weather/global weather	10
Wetter weather/more rain	9
Hotter/warmer/milder weather (general)	6
Extremes of temperature/global temperature	4
Colder weather (general)	3
Unpredictable weather	3
Windy/more wind	3
Drought	2
More storms	2
Hurricanes	1
Heatwave	1
Changes to Seasons	41
The seasons are changing	10
Hotter/shorter/milder winters	9
Colder winters	7
Hotter summers	6
Colder/shorter summer	6
Seasons no longer defined	5
Wetter summers	4
Longer winters	2
Earlier spring	2
Wetter winters	2
Winter has changed	1
Summer has changed	1
Winters have become harsh/bad	1
Longer summers	1
Summer has become harsh/bad	1
Other	35

Floods	15
Ice caps/glaciers melting	7
Flower/plant growing/gardening behaviour	5
Animal/insect/wildlife behaviour has changed	3
Higher tide levels/rising sea levels	2
Earthquakes	2
Other natural disasters	2
Loss of animal species/animals dying	2
Pollution	1
Tsunami	1
Coastal erosion/landslide	1
Energy bills/price of petrol increasing/people use more energy sources	1
Increase in disease/illness	1
Air quality	1
Reports in the press/news and events/people talking about it	1
More recycling	*
O-zone layer	*
Acid rain	*
No answer	*
Other	5
Don't know	2

Q44. **Have you personally experienced flooding in your local area recently or not?**

	%
Yes	20
No	79
Don't know	1

Q45. **With regards to your home and your local area, to what extent do you agree or disagree with the following statements?**

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
The place where I live is unique and distinctive	16	31	19	22	10	1	*
I feel like I belong to the community here	25	43	13	12	6	1	*
If I were to move I would like to live in a similar place to where I live now	26	37	8	16	10	1	1
I am proud to live in this area	32	40	16	7	4	1	*
Living here helps me to live my life the way I want to	31	45	10	8	5	1	*
This place reminds me of my childhood	18	21	8	26	26	2	*

Q46. To what extent do you agree or disagree with each of the following statements? Please just read out the letter that applies.

	Strongly agree %	Tend to agree %	Neither agree nor disagree %	Tend to disagree %	Strongly disagree %	No opinion %	Don't know %
I think of myself as someone who is very concerned with environmental issues	16	40	22	16	4	1	*
Being environmentally friendly is an important part of who I am	18	42	20	15	4	*	*
I identify with the aims of environmental groups such as Greenpeace and Friends of the Earth	14	39	22	15	7	2	2

Q47. To what extent do you agree or disagree that you can influence decisions affecting your local area?

	%
Strongly agree	4
Tend to agree	28
Neither agree nor disagree	18
Tend to disagree	34
Strongly disagree	13
Don't know	2

Q48. In the last twelve months, have you undertaken any of the following actions in an attempt to solve a problem affecting your local area?

	%
Contacted a local councillor	13
Attended a public meeting	11
Contacted the appropriate organisation to deal with the problem	10
Contact a Member of Parliament (MP) / Assembly Member (AM)	7
Attended a protest meeting or joined an action group	5
Helped organise a petition	5
Contacted a local radio station, television station or newspaper	4
None of these	69
Don't know	1

Q49. Please rate the importance of the following values as a life-guiding principle for you.

	Not at all important %	Not very important %	Fairly important %	Very important %	Extremely important %	Don't know %
POWER (that is, social power, authority, wealth)	7	36	36	16	3	2
ACHIEVEMENT (that is, success, capability, ambition, influence on people and events)	2	13	39	34	10	2
HEDONISM (that is, gratification of desires, enjoyment in life, self-indulgence)	9	32	35	15	4	4
STIMULATION (that is, daring, a varied and challenging life, an exciting life)	3	16	40	31	7	3
SELF-DIRECTION (that is, creativity, freedom, curiosity, independence, choosing one's own goals)	1	5	29	45	18	2
UNIVERSALISM (that is, broad-mindedness, beauty of nature and arts, social justice, a world at peace, equality, wisdom, unity with nature, environmental protection)	1	7	33	37	18	4
BENEVOLENCE (that is, helpfulness, honesty, forgiveness, loyalty, responsibility)	*	3	22	47	26	2
TRADITION (that is, respect for tradition, humbleness, accepting one's portion in life, devotion, modesty)	1	11	32	39	14	2
CONFORMITY (that is, obedience, honouring parents and elders, self-discipline, politeness)	2	9	29	40	19	2
SECURITY (that is, national security, family security, social order, cleanliness, reciprocation of favours)	1	2	21	50	25	2

Q50. Please rate the importance of the following environmental values as a life-guiding principle for you.

	Not at all important %	Not very important %	Fairly important %	Very important %	Extremely important %	Don't know %
Preventing pollution: protecting natural resources	*	2	23	51	23	1
Respecting the earth: harmony with other species	1	4	27	46	22	2
Unity with nature: fitting into nature	1	7	34	39	16	2
Protecting the environment: preserving nature	*	2	27	48	21	1

Q51. Do you, or any of your family, work in any of the following industries?

	%
Oil Industry	2
Gas Industry	2
Nuclear Industry	2
Environmental pressure group or environmental organisation	2
Renewable energy Industry	1
Coal Industry	1
None	92

Q52. How would you vote if there were a General Election tomorrow?

	%
Conservative	19
Labour	16
Liberal Democrats (Lib Dem)	10
Green Party	3
UK Independence Party	2
British National Party	2
Scottish Nationalist	1
Welsh Nationalist	*
Democratic Party	*
Other	1
Would not vote	12
Undecided	29
Refused	4

DEMOGRAPHICS (unweighted figures)

QA. Gender

	%
Male	48
Female	52

QB. Age

	%
15-17	3
18-24	12
25-34	14
35-44	18
45-54	17
55-59	6
60-64	8
65-74	13
75+	9

QC. Working status

	%
Working – full time (30+ hours per week)	36
Working – part time (9-29 hours per week)	13
Unemployed – seeking work	5
Unemployed – not seeking work	3
Not working – retired	27
Not working – looking after the house/children	7
Not working – disabled	3
Student	7
Other	*

Social Grade

	%
A	3
B	23
C1	31
C2	21
D	14
E	9

QD. Which of the groups on this card do you consider you belong to?

	%
WHITE	93
British	89
Irish	1
Any other white background	3
MIXED	1
White and Black Caribbean	*
White and Black African	*
White and Asian	*
Any other mixed background	*
ASIAN OR ASIAN BRITISH	4
Indian	1
Pakistani	1
Bangladeshi	1
Any other Asian background	1
BLACK OR BLACK BRITISH	2
Caribbean	1
African	1
Any other black background	0
CHINESE OR OTHER ETHNIC GROUP	*
Chinese	*
Any other background	*
Refused	0

QE. Please tell me which, if any, is the highest educational or professional qualification you have obtained.

	%
GCSE/O-level/CSE	19
Vocational quals (=NVQ1+2)	11
A level or equivalent (=NVQ3)	18
Bachelor Degree or equivalent (=NVQ4)	19
Masters/PhD or equivalent	6
Other	8
No formal qualifications	18
Still studying	1
Don't know	*

QF. Number of children under 16 years of age in the household?

	%
None	69
1	16
2	11
3	3
4 or more	2
Don't know	*
Refused	*

QG. How long have you lived in the area?

	%
Less than 6 months	3
6 months – less than 1 year	4
1 year – less than 3 years	8
3 – less than 5 years	6
5 – less than 7 years	6
7 – less than 10 years	7
10 years or more	65
Don't know/Refused	*

QH. In which of these ways does your household occupy this accommodation?

	%
Buying with mortgage/loan	32
Own it outright	34
Part rent/part mortgage	2
Rents (including rents paid by housing benefit)	28
Living here rent free	1
Don't know	1
Refused	1