# EPRG Poll on Energy Security: Policy Preferences & Personal Behaviour

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### **EPRG Survey**

- Conducted in May 2006 by YouGov, the internet polling firm
- 1018 responses (45% response rate) from UK residents over 18 drawn from a panel of 46,000
- 20 questions on national energy and environmental priorities, individual behaviour (energy consumption, purchasing decisions), willingness to pay

### Internet vs Traditional Survey Instruments

- Concerns over biases in sampling with internet panel:
  - May oversample the more technologically aware,
  - Bias away from the poor or those employed in certain jobs
- Benefits of internet surveys:
  - Telephone surveys may be biased towards those who are home more often and those using mobile phones exclusively
  - People tend to conceal responses when traditional survey methods are used because of interaction with questioner
  - Certain types of question can more easily be presented (e.g., providing information in graphical format).
- A comparison of the final polls to final election results in several countries show that online polling is roughly equal or better in predicting the final result

### What are the 3 most important issues facing the UK today?

Asylum seekers	45%	Aging population	8%
Crime	30%	Family values	8%
Health care	26%	Foreign policy	7%
Terrorism	22%	Economy	7%
Pensions	22%	EU	5%
Fuel prices	17%	Public transport	4%
Environment	14%	Unemployment	3%
Education	12%	Social Exclusion	3%
Drugs	11%	Euro/Pound	2%
Race	11%	Welfare	2%
Poverty	11%	Deficit	2%
Energy	10%	AIDS	1%
Taxes	9%	Abortion	1%
		Stock Market	0%

## National Priorities - Demographics

#### •By Age Group:

Concern	<30	30-44	45-59	60+
Asylum seekers	30%	44%	44%	49%
Pensions	12%	15%	30%	37%
Fuel prices	14%	11%	19%	16%
Environment	20%	22%	15%	8%

#### • By Political Party Affiliation:

- 51% of Conservatives list asylum seekers as a top 3 concern compared to 22% of Lib Dems (and 40% Labour).
- 18% of Lib Dems list Energy vs 7% Tories and 10% Labour

### Media Impact on National Priorities

Concern	Guardian/ Independent	FT/Times/ Telegraph	Sun/Star
Asylum seekers	10%	31%	58%
Crime	14%	29%	36%
Health care	31%	23%	25%
Terrorism	10%	15%	33%
Pensions	22%	28%	16%
Fuel prices	3%	9%	18%
Environment	40%	20%	8%
Education	21%	18%	9%
Poverty	31%	9%	9%
Energy	15%	15%	6%
Foreign policy	15%	7%	2%
Social exclusion	13%	3%	0%

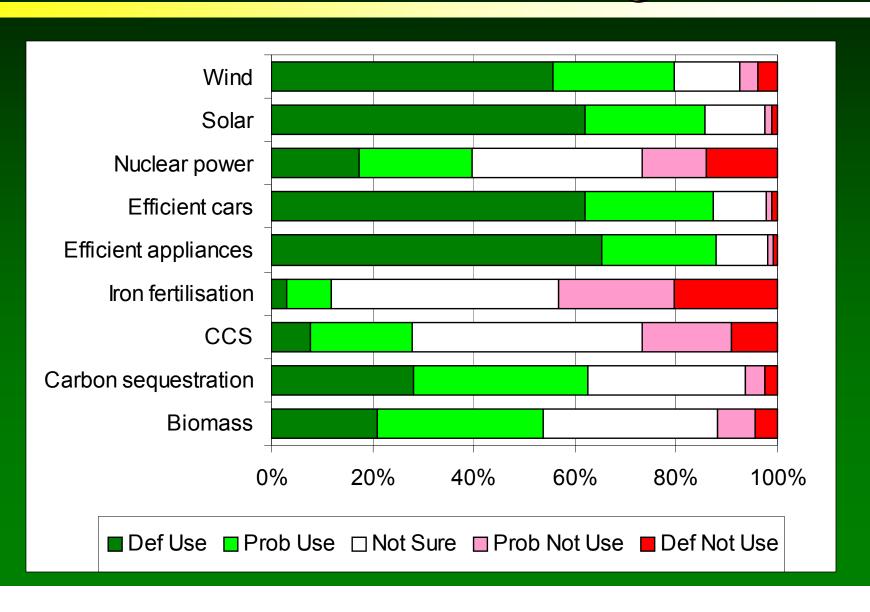
### Most important and 2nd most important environmental problems facing the UK?

	1st priority	2nd priority
Water pollution	2%	3%
Destruction of ecosystems	4%	11%
Toxic Waste	4%	8%
Overpopulation	18%	11%
Ozone depletion	4%	11%
Global warming/ Climate change	38%	17%
Urban sprawl/ Lack of green space	11%	13%
Smog	1%	1%
Endangered species	1%	2%
Acid rain	0%	0%
Resource depletion	10%	15%
GM crops	2%	3%

### Top 2 Environmental Priorities

	Global Warming	Overpopulation
PARTY		
Labour	64%	22%
Conservative	es 48%	41%
Lib Dems	68%	15%
AGE		
<30	65%	20%
30-44	61%	27%
45-59	<b>50%</b>	30%
60+	48%	46%

## Technology Preferences to Address Global Warming



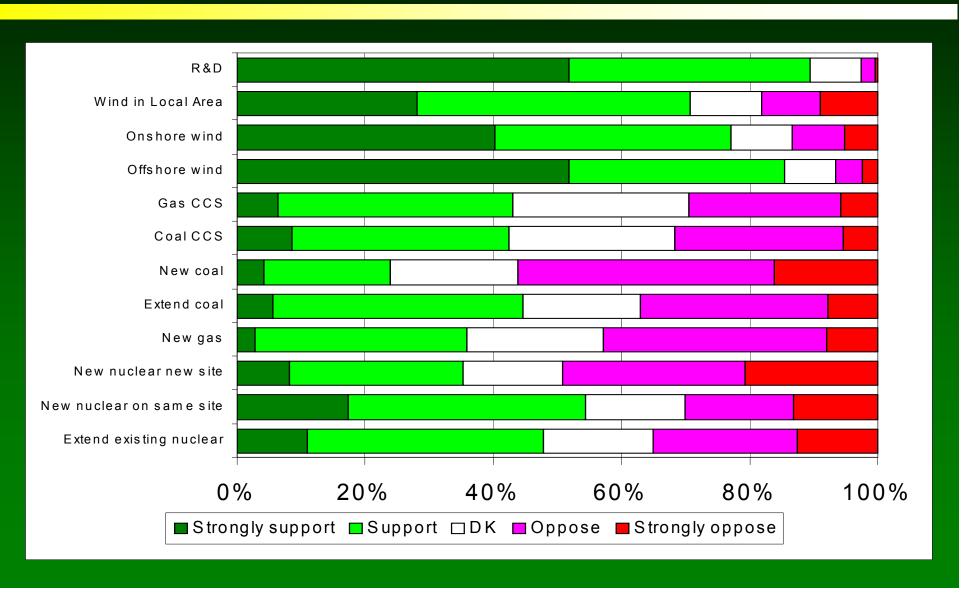
### Technology Demographics

	Total Opposed to Nuclear	Total Opposed to Wind
Labour	27%	4%
Tories	22%	13%
Lib Dems	40%	3%
<30	34%	5%
30-44	30%	5%
45-59	24%	8%
60+	22%	16%
Guardian/Inde	p't 42%	1%
Sun/Star	28%	8%
FT/Times/DT	18%	18%

### To avoid a potential shortfall, would you support Government to:

- Significant investment in research and development into advanced technologies such as solar power, tidal power, hydrogen, and fuel cells (R&D)
- Build wind farms in my local area (Local Wind)
- Build onshore wind farms (Onshore Wind)
- Build offshore wind farms (Offshore Wind)
- Build more efficient gas-fired power stations that can capture carbon dioxide and store it underground (Gas CCS)
- Build more efficient coal-fired power stations that can capture carbon dioxide and store it underground (Coal CCS)
- Build new coal-fired power stations (New Coal)
- Extend the life of existing coal stations (Extend Coal)
- Build new gas-fired power stations (New Gas)
- Build new nuclear stations at new sites around the UK (New nuclear on new site)
- Build new nuclear stations on the same site of existing nuclear plants being phased out (New nuclear on same site)
- Extend the life of existing nuclear power stations (Extend existing nuclear)

### To avoid a potential shortfall, would you support:



## Total Support for Electric Sector Options: Demographics

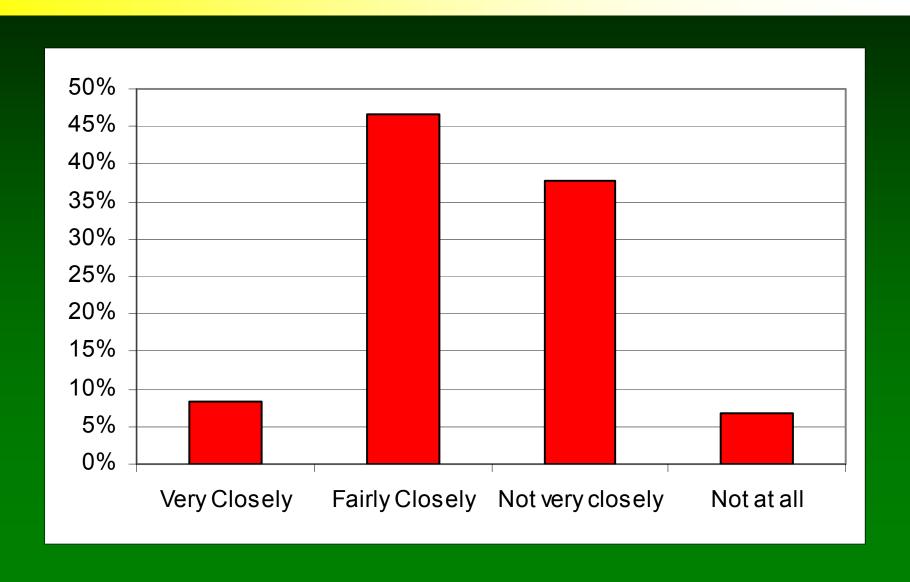
	Extend nuclear	New nuclear same site	New plants new site
M	60%	71%	51%
F	35%	37%	19%
Labour	43%	52%	33%
Tories	66%	69%	45%
Lib Dem	41%	45%	24%

## Total Support for Electric Options: Demographics II

		<30	30-44	45-59	60+
•	Extend nuclear plants	43%	66%	41%	41%
•	New nuclear same site	50%	53%	58%	62%
•	New nuclear new site	31%	30%	39%	45%
•	New coal	14%	20%	31%	27%
•	Local wind	79%	78%	70%	51%
•	Offshore wind	89%	90%	86%	74%

 Similar pattern in those expressing "strong support" for the different options

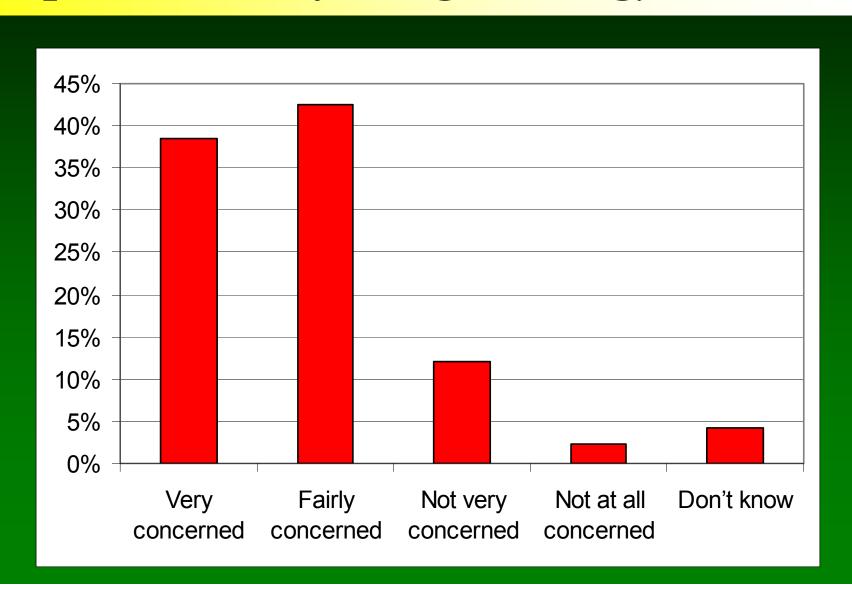
### How closely have you been following debates over the future of energy in UK?



### How closely have you been following debates over the future of energy in UK?

- Those following "not very closely" or "not at all":
- Gender:
  - M 36%
  - F 56%
- Newspaper Readership:
  - Sun/Star 76%
  - Other tabloids 49%-54%
  - Guardian/Independent 21%
  - FT/Times/Telegraph 17%

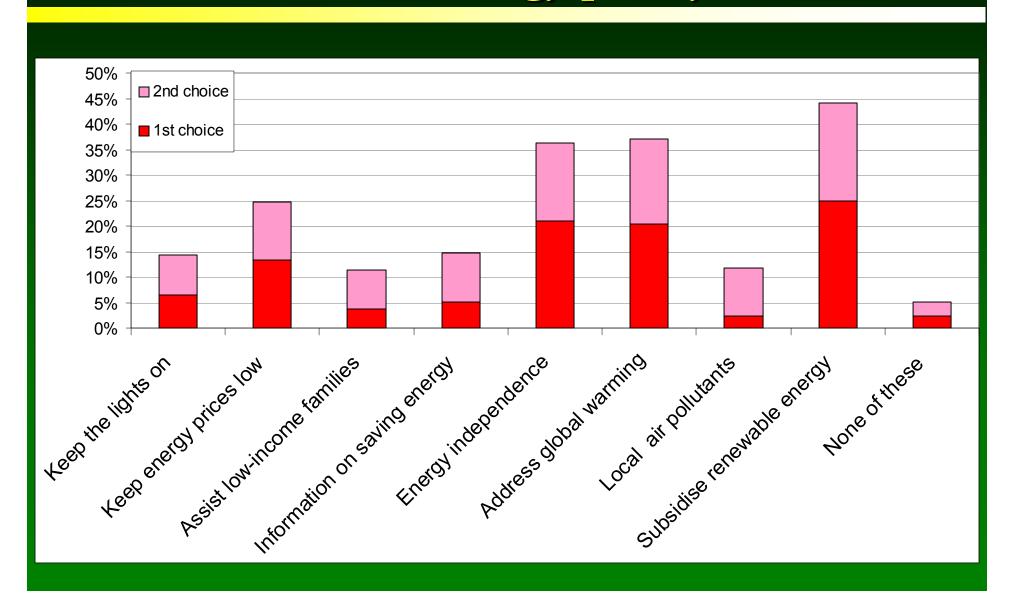
## Concerned UK is becoming more dependent on foreign energy sources?



## Dependence on Foreign Sources: Demographics

- Those "very concerned": Older, Male and Tory
- Gender: M 42% F 34%
- Age: <30: 21% 30-44: 37% 45-59: 50% >60: 60%
- Parties: Tories: 44% Lib Dems: 27%, Labour: 38%
- Those "not very"/ "not at all" concerned: Young, Lib Dem
- Age: <30: 25% 30-44: 16% 45-59: 5% >60: 7%
- Parties: Tories: 10% Lib Dems: 21%, Labour: 17%

### Two most important priorities of a national energy policy?



### Energy Policy Demographics

#### Energy Independence: Older, Male, Tory, Reads FT

• Gender: M 41% F 29% Age: 26/33/44/48 Parties: L32/C45/LD21 Papers: Guardian/Ind 26% tabloids 28%-43%, FT/Times/DT 48%

#### Address Global Warming: Young, Lib Dem, Reads Guardian

- Age: 45/39/30/31 Parties: L37/C30/LD52
- Papers: Guardian/Ind 58%, FT/Times/DT 33%, tabloids 27%-32%

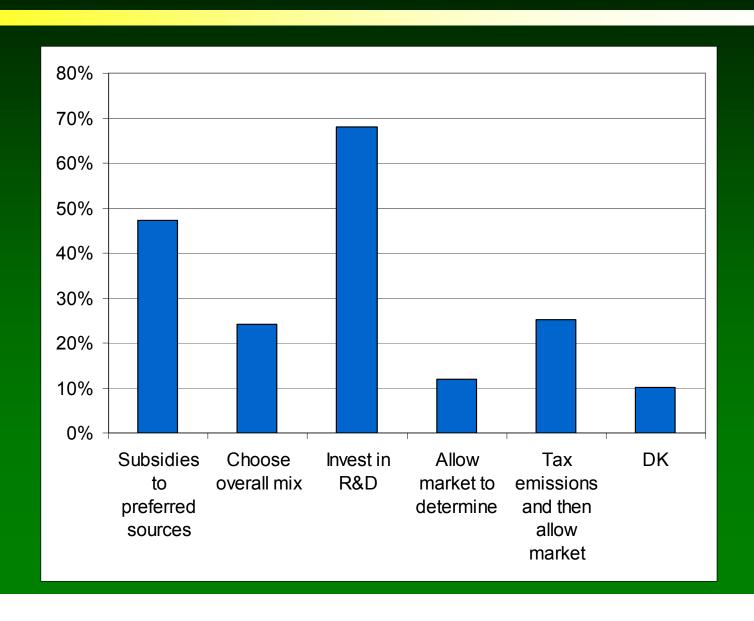
#### Subsidise Renewables: Youngish, Female, Lib Dem

• Gender: M 39% F 52% Age: 47/50/43/35 Parties: L49/C43/LD54

#### Keep Energy Prices Low: Reads Sun/Star

• Papers: Guardian/Indep't 6%, FT/Times/DT 19%, Sun/Star 37%

### In response to concerns over future of electricity supply in UK, do you believe Government should:



## Choosing the Mix: Demographics

- 3% of G/I readers support allowing the market to determine the mix as at present compared to 12-14% of tabloid readers and 17% FT/Times/Daily Telegraph
- 60% of G/I readers favour subsidies compared to 40% of Sun/Star readers and 45%-48% for all others
- Labour least likely to favour taxing emissions (19%) compared to 27% Conservatives and 33% Lib Dems
- Sun/Star readers least likely to favour investing in R&D (54%) compared to G/I readers (86%)

### Demographics of Changing Suppliers

- 48% of respondents had changed electric or gas supplier over past 5 years
- Few significant differences across main groups

• Gender: M: 47% F: 49%

• Age: <30: 30% 30-45: 54% >45: 58%

• Parties: Lab: 54% Tories: 49% LD: 44%

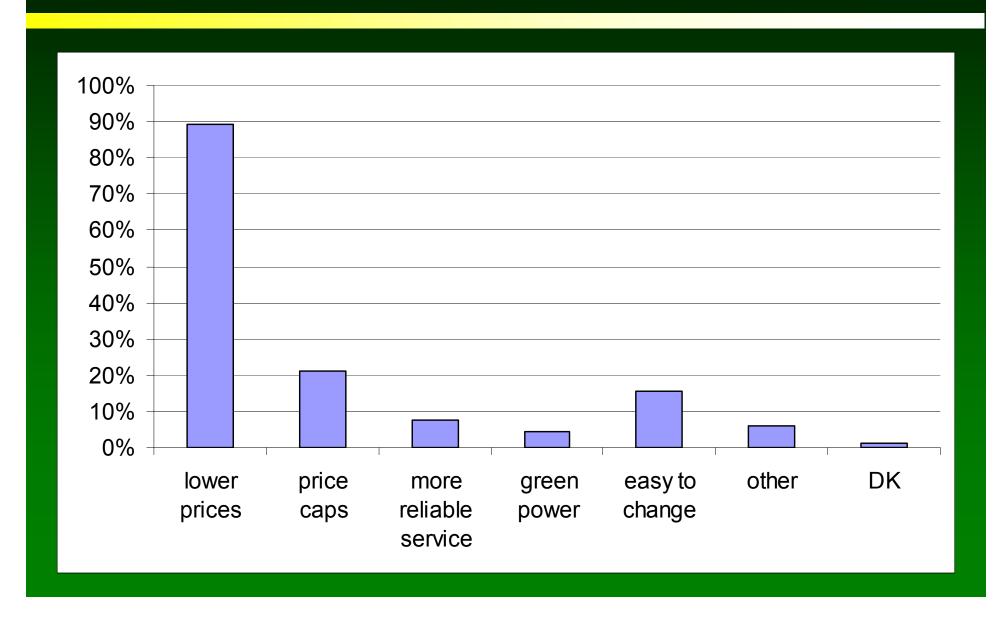
• Papers: Guardian/Independent 41%

Sun/Star 42%

FT/Times/DT 49%

Mail/Express/Mirror 51%-54%

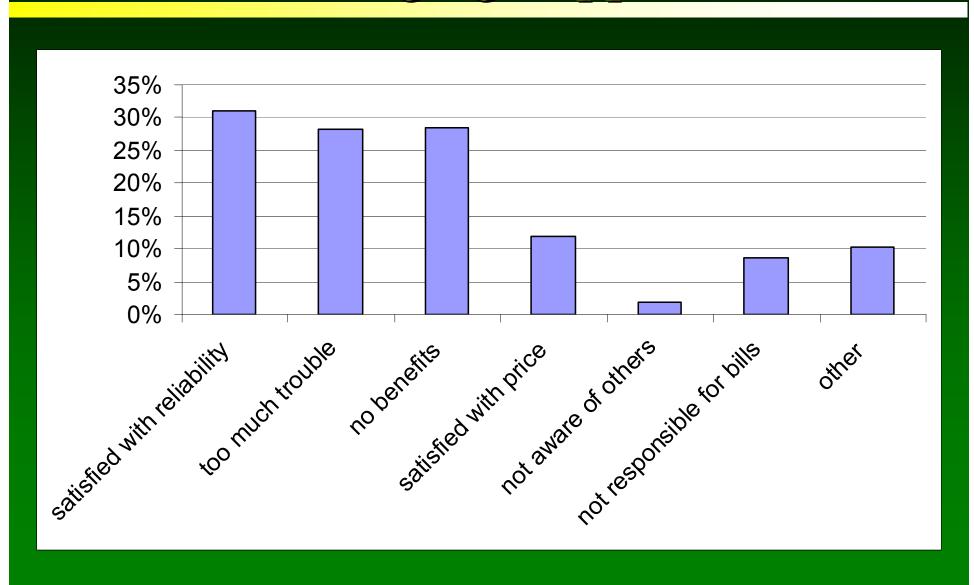
### Reasons for Changing Suppliers



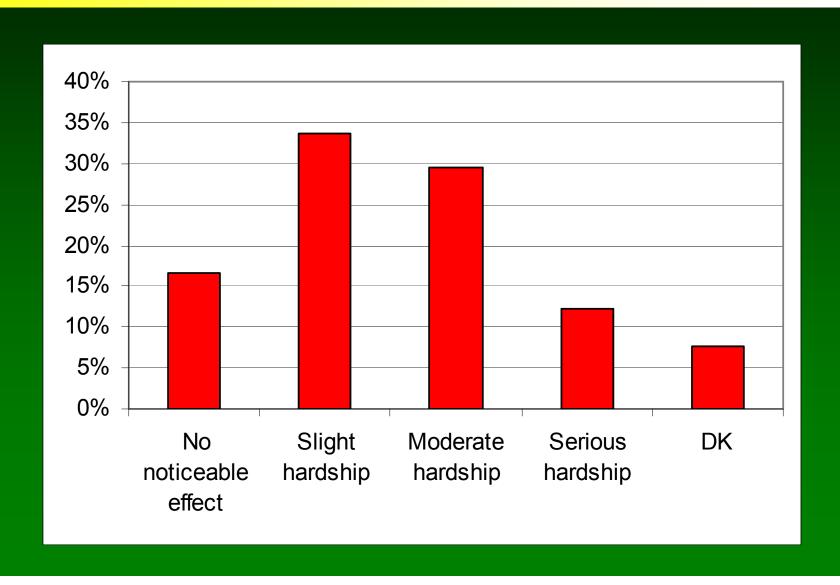
### Reasons for Changing Suppliers

- Price: minimal differences across demographics
- Price Caps/Guarantees:
  - *Gender*: M 10% F 20%
  - Papers: Guard/Indep 3% FT 15% Tabloids 15%-20%
  - *Age*: 18-60: 10-15% 60+: 32%
- Environmentally-friendly electricity:
  - □ Age: 18-24 10% 29-44 6% 45-59 3% 60+ 0%
  - Papers: Tabloids 1%-3% FT/Times/DT 5% G/I 15%

## Reasons for NOT Changing Suppliers



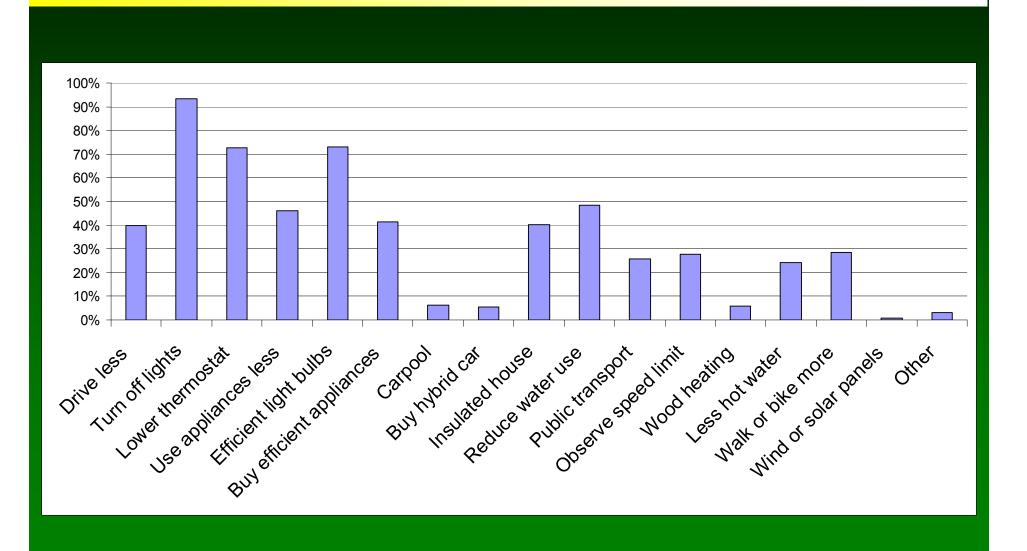
## To what extent are energy prices affecting your financial situation?



## Doing ANYTHING to reduce energy use?

- Do you happen to currently be doing anything to reduce your use of energy -- that is, your use of gasoline, electricity, or natural gas? 76%
- Gender: M: 70% F: 80%
- Age: <30: 70% 30-59: 76% >60: 86%
- Papers: *Sun/Star:* 61% vs 78%-82% for all others (including other tabloids and Guardian/Independ't)

## Which, if any, of these are you doing to reduce energy consumption?

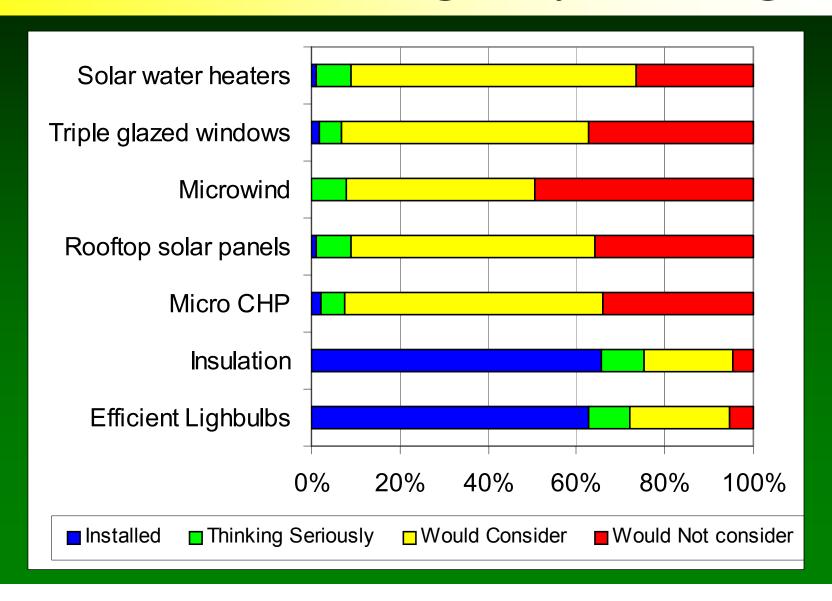


## Personal Reductions in Energy Consumption

	<30	30-44 45-59 60+		
<ul> <li>use public transport more</li> </ul>	35%	25%	16%	26%
<ul><li>buy efficient appliances</li></ul>	30%	45%	51%	39%
<ul><li>drive at speed limit</li></ul>	15%	29%	36%	34%
<ul><li>buy a hybrid</li></ul>	1%	6%	8%	8%
lower thermostat	65%	71%	79%	78%
<ul><li>insulate home</li></ul>	19%	40%	52%	62%

• Only significant differences between G/I readers and others is greater likelihood to bike and use public transport

## Have you installed or would you consider installing the following:



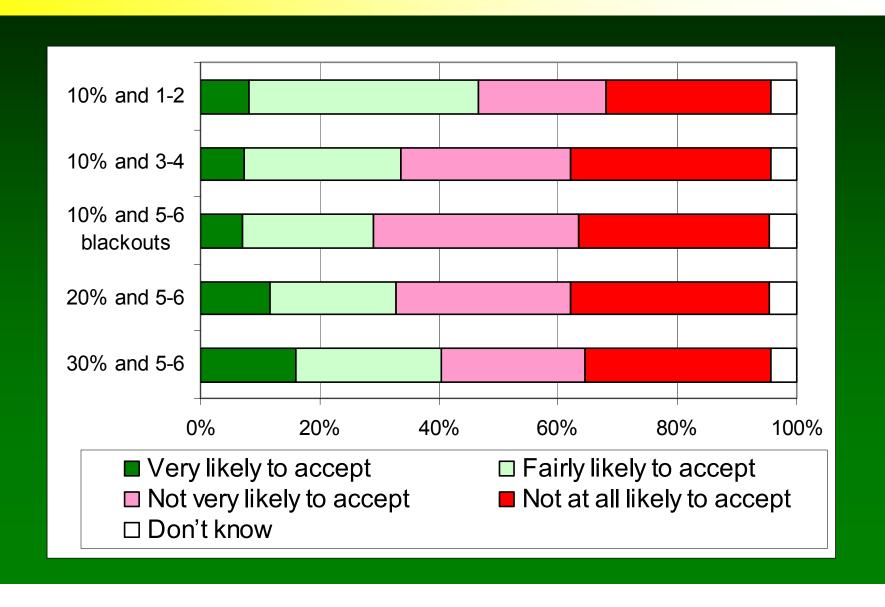
### Demographics of Installations

- 53% of under 30s have installed high efficiency CF lightbulbs vs 73% of over 60s.
- 37% of under 30s have insulated vs 59% of 30-44, 79% of 45-59 year olds and 81% of over 60s.
- Only 42% of Guardian/Independent readers have insulated compared to 72% of Express readers (all other papers are 55% and above)

### Trading Off Blackouts v Price

- How likely would you be to accept electricity being 10% cheaper if this meant that you were likely to have to put up with five or six unannounced 30 minute 'blackouts' (power cuts) each winter?
- How likely would you be to accept electricity being 10% cheaper if this meant three or four 30-minute unannounced blackouts each winter?
- What if this meant one or two unannounced blackouts?
- How likely would you be to accept electricity being 20% cheaper if this meant three or four 30-minute unannounced blackouts each winter?
- What if electricity was 30% cheaper?

### Trading Off Blackouts v Price



### Main Conclusions

- Relatively consistent views on national policy: very strong support for R&D and renewables; split over nuclear power and CCS
- Nuclear new build: stronger support for new plants on the site of existing plants than for retrofitting existing plants and especially than building nuclear power plants at new locations.
- Consumer/Citizen dichotomy: No significant relationship between professed behaviour and support for greener policies.