



Global Warming's Six Americas, June 2010

Interview dates: May 14, 2010 to June 1, 2010

Interviews: 1,024 Adults (18+)

Margin of error: +/- 3 percentage points at the 95% confidence level for the full sample.

NOTE: All results show percentages among all respondents, unless otherwise labeled. Totals may occasionally sum to more

than 100 percent due to rounding.

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http://environment.yale.edu/climate/files/SixAmericasJune2010.pdf

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Executive Summary

This report extends and updates an ongoing program of research analyzing Americans' interpretations of and responses to climate change. This research segments the American public into six audiences that range along a spectrum of concern and issue engagement from the Alarmed, who are convinced of the reality and danger of climate change, and who are highly supportive of personal and political actions to mitigate the threat, to the Dismissive, who are equally convinced that climate change is not occurring and that no response should be made. These six groups are not very different demographically, but are dramatically different in their beliefs and actions, as well as their basic values and political orientations. The groups were first identified in a nationally representative survey conducted in the fall of 2008, and were re-assessed in the winter of 2009/2010. The current report is the third in the series; in it we provide new insights into the informational needs of the six groups, their emotional responses to the issue, and their support for climate policies currently under discussion in Congress. Both prior reports may be accessed at: http://environment.yale.edu/climate/publications/ Segment Size Figure 1 Table 1a After the surprising changes in the size of the Six Americas in January 2010 – especially the large decrease in the proportion of the Alarmed and the large increase in the proportion of the Dismissive – the June data show a modest reversal of this trend. The proportion of Alarmed Americans rebounded slightly, while the proportion of Dismissive Americans decreased slightly. Uncertainty Table 2 Large numbers of Americans – especially those in the Cautious (65%) and Disengaged (73%) segments – said that they could easily change their minds about global warming. Nearly half of all Americans – especially the Concerned (57%), Cautious (50%), and Disengaged (63%) – said they need "some more" or "a lot more" information to form a firm opinion about global warming. Table 3 Table 3 The Alarmed an			
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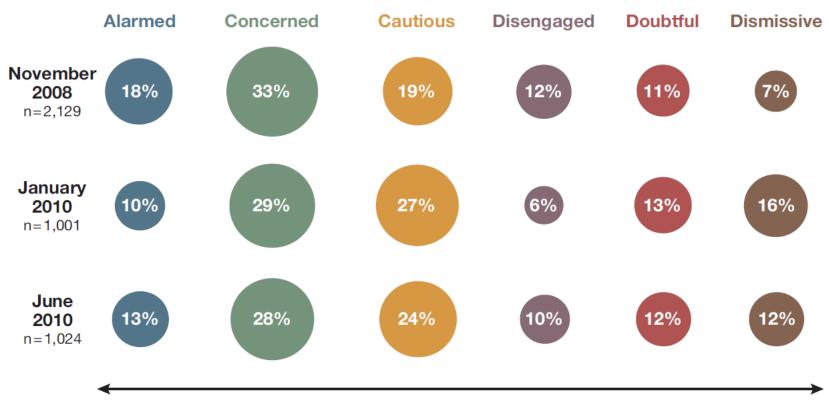
		warming. The Doubtful and Dismissive were most interested in learning more about whether global warming is really happening and how scientists know that it is.
Beliefs about Causation	Table 5	The vast majority of the Alarmed and Concerned are convinced that global warming is caused by human activity. Only about half of the Cautious and the Disengaged hold this belief. Conversely, a large majority of Doubtful and Dismissive said that, if it is happening, global warming is caused mostly by natural changes in the environment, while a minority said that global warming isn't happening at all.
Beliefs about the Science	Table 5	Despite the prevailing scientific agreement that global warming is happening, only a minority of Americans believed that most scientists think that global warming is happening. Nearly three-quarters of Alarmed Americans said most scientists agree that global warming is happening, and half of the Concerned segment, but the majority of the other segments believed either that there is a lot of disagreement among scientists, or said they don't know.
Emotions	Table 6	Feelings about global warming run high: Almost 7 out of 10 of Americans said they are interested in global warming (69%), and even 42% of Dismissives said they are moderately or very interested. Close to half of Americans said they feel disgusted, hopeful, helpless, or sad. Roughly a quarter said this issue makes them feel depressed or guilty. The Alarmed felt each emotion more strongly than the other groups. Three-quarters or more said global warming makes them feel sad, disgusted, angry, or afraid. Concerned Americans also felt strongly about the issue, with 93% interested, and two-thirds or more saying they felt sad, helpless, disgusted, or afraid. The Cautious, Disengaged and Doubtful felt much less emotion about global warming; in fact the majority of the Disengaged did not associate 7 of the 9 emotions with global warming at all. Among the Dismissive, the strongest emotions felt about global warming were disgust (55%), anger, or interest (both 42%).
Issue Involvement & Risk Perceptions	Table 7 Table 8a Table 8b	A large majority of the Alarmed and Concerned were somewhat or very worried about global warming – especially Alarmed Americans – but relatively few members of the other segments. Likewise, a large majority of the Alarmed and Concerned believed that global warming will hurt them personally, their family, members of their community, and other Americans, while relatively few people in the other segments did. Similarly, many of the Alarmed and Concerned believed

		global warming is already harming people, or will within the next 10 years, while the other segments view global warming as a problem of the distant future, if at all.
Personal Experience of Climate Change	Table 9	The majority of the Alarmed (68%) said that they have personally experienced global warming, compared to 40% of the Concerned and Disengaged, 7% of the Doubtful, and only 3% of the Dismissive.
Perceptions of Weather & Climate Change	Table 9	A widespread confusion of weather and climate is apparent in public interpretations of the record snowstorms on the east coast of the United States during the prior winter, which were broadly viewed as evidence that global warming may not be occurring. Approximately three-quarters of the Dismissive (77%) and Doubtful (74%) said that the storms made them question whether global warming is occurring; and over half of the Disengaged (58%) and Cautious (53%) agreed. Even among the most concerned segments, a third or more said that the snowstorms made them question the reality of global warming (37% of the Concerned and 34% of the Alarmed).
Energy Conservation Actions & Intentions	Table 12 Table 13	Regardless of their beliefs about global warming, large numbers of Americans said they engage in energy conservation actions at home - turning off lights and electronics, reducing their use of heating and air conditioning, conserving water and replacing incandescent bulbs with compact fluorescents. The Alarmed and Concerned were somewhat more likely to engage in these actions, but the differences between all of the segments were not large. Alarmed and Concerned Americans were much more likely, however, to say that they intend to conserve more in the future.
Consumer & Political Activism	Table 15 Table 16	A large majority of the Alarmed – and a modest minority of the Concerned and Cautious said they use their consumer purchasing power to reward or punish companies, based on their climate change-related activities. A solid majority of Alarmed and Concerned Americans said they plan to do this more frequently over the next year, as do a quarter of the Cautious. Conversely, few Americans – including relatively few of the Alarmed – have engaged in advocacy or volunteerism to encourage solutions. A minority of the Alarmed, however, said they do intend to take certain citizen actions more frequently over the next year.

Interpersonal Communication	Table 19	Global warming is a topic of conversation with friends and family members for a minority of Americans. Most of the Alarmed (76%) discuss the topic occasionally or often, but less than 40% of the Concerned do. Interestingly, however, nearly half (48%) of the Dismissive discuss global warming occasionally or often.
Family Communication	Table 20	Parents in all segments were much more likely to discuss energy conservation than global warming with their children. This difference was most marked among the Disengaged: over half discuss saving energy with their children, while only 4% discuss global warming. Nonetheless, many parents do discuss global warming: 71% of the Alarmed said they discuss the issue occasionally or often with their children, as did roughly a third of the Concerned and Dismissive. Reported conversations on the issue were relatively rare in the remaining three groups. Parents and children were highly likely to agree on the issue, with three-quarters or more of adults in each segment saying that they and their children agree.
Opinion Leadership	Table 21	The Alarmed and Dismissive were more likely than the other segments to be opinion leaders on the issue. They discuss it more often with others, give information and advice, and believe that others perceive them to be good sources of information about the issue. The Alarmed, however, were higher than the Dismissives on all these dimensions - the Dismissives are higher than average, but lower than the Alarmed. In addition, the Concerned also take many opinion leadership actions at levels comparable to the Dismissive. Overall, the results suggest a much higher number of opinion leaders in the U.S. that support action on climate change than opinion leaders who oppose it.
Climate & Energy Policies	Table 25	A majority of Americans supported all of the climate and energy policies assessed in this research, with the exception of a gasoline tax, which was supported by just over a third (35%). As would be expected, the more concerned segments were more supportive of climate-change policies than the less concerned, but views were much more polarized on some policies than others. In particular, regulation of carbon dioxide as a pollutant showed the largest disparities: three-quarters of the public somewhat or strongly supported the policy (77%), with two-thirds of Alarmed Americans strongly supporting it, compared to only 5 percent of the Dismissive.

Offshore Drilling Support	Figure 2	As of June 1 - at an early stage in the public's awareness of and reaction to the BP oil spill disaster in the Gulf of Mexico - nearly two-thirds of Americans supported the expansion of offshore oil drilling, with support from 81% of the Dismissive, declining to 45% of the Alarmed. Interestingly, the Alarmed and Dismissive held much stronger views, with most either strongly supporting or opposing expanded offshore drilling, than the other segments, in which most held weaker views, saying they only "somewhat" supported or opposed expanded drilling.
Climategate & IPCC Errors	Table 26 Table 27	The Dismissive were much more likely to have heard about and closely followed news about: (1) the unauthorized release of emails between US and English climate scientists, dubbed "Climategate" by climate skeptics and adopted by many journalists, and (2) the discovery of several errors in the synthesis reports of the Intergovernmental Panel on Climate Change. The Alarmed also paid higher than average attention to these stories, but the stories had little impact on their views about the reality of climate change or the trustworthiness of scientists. The Dismissive and Doubtful, however, said that these stories made them more certain climate change is not occurring and decreased their trust in climate scientists.
Party Identification & Political Ideology	Table 31	The Doubtful and Dismissive were much more likely to identify themselves as politically conservative or Republican, while the Alarmed and Concerned were more likely to identify themselves as liberals or Democrats. The Dismissive were the most likely to identify themselves as part of the Tea Party movement (40%), followed by the Doubtful (23%). The other four segments had relatively few Tea Party members.

Figure 1: Proportion of the U.S. Population in the Six Americas



Highest Belief in Global Warming Most Concerned Most Motivated

Proportion represented by area

Lowest Belief in Global Warming Least Concerned Least Motivated

TABLE 1a | Segment Sizes, January & June, 2010

	Tot	al	Alar	med	Conce	erned	Caut	tious	Disen	gaged	Dou	btful	Dism	issive
Month of Survey	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan	Jun	Jan
Proportion of Population 100 100		13	10	28	29	24	27	10	6	12	13	12	16	
N			137	98	288	288	249	269	99	56	125	131	126	158

TABLE 1b | Global Warming Belief and Certainty

Do you think global warming is happening? How sure are you that global warming (is happening/is not happening)?

	Jun	Jan												
Extremely sure global warming is happening	12	14	53	61	15	22	2	2	2	12	2	0	1	2
Very sure global warming is happening	22	20	33	31	48	42	10	15	14	0	4	6	0	1
Somewhat sure global warming is happening	25	21	14	5	29	28	46	36	18	23	9	9	6	5
Not at all sure global warming is happening	2	3	0	0	1	2	4	4	5	0	2	6	0	1
Don't know	21	23	0	3	7	5	30	38	58	65	36	39	14	13
Not at all sure global warming is not happening	1	1	0	0	0	1	0	0	0	0	2	8	3	1
Somewhat sure global warming is not happening	8	7	0	0	0	0	7	5	3	0	33	21	17	16
Very sure global warming is not happening	6	6	0	0	0	0	1	1	0	0	12	8	32	29
Extremely sure global warming is not happening	4	5	0	0	0	0	1	0	0	0	1	2	28	32

TABLE 2 | Attitudinal Certainty and Need for Additional Information to Decide

How much do you agree or disagree with the following statement? "I could easily change my mind about global warming."	Notional Avera	46rmed (138)	Concerned (28%)	Surious (248)	Oisensaged II	(%C)//Juganoo	Dismissine (22%)
Strongly agree	5	5	3	9	13	3	1
Somewhat agree	32	1	26	56	60	35	9
Somewhat disagree	36	23	45	30	23	53	33
Strongly disagree	27	71	26	4	4	9	58

On some issues people feel that they have all the information they need in order to form a firm opinion, while on other issues they would like more information before making up their mind. For global warming, where would you place yourself?

I need a lot more information	20	16	16	20	43	28	6
I need some more information	27	21	41	30	20	16	11
I need a little more information	29	30	28	39	16	38	13
I do not need any more information	24	33	15	11	21	18	70

TABLE 3 | Questions About Global Warming

If you had the opportunity, what kinds of questions would you like to ask an expert on global warming? (Check all	Varional Aver	4617160 138,	Concerned 128.	Surious (24%)	Disense See of 12	Comptime (%)	Dismissine (2.8%)
that apply.)	≥°°						
Is global warming really happening?	25	17	24	22	30	27	35
How do you know that global warming is happening?	42	22	35	49	36	66	50
What causes global warming?	32	28	32	39	41	29	20
What harm will global warming cause?	42	42	45	55	43	34	14
What can the United States do to reduce global warming?	44	78	69	33	32	20	6
What can I do to reduce global warming?	35	62	55	28	26	14	3
Other	13	17	9	8	11	12	33
Average number of questions would like to ask	2.3	2.7	2.7	2.3	2.2	2.0	1.6
If you could only ask the expert on global warming one question, which question would you ask?							
Is global warming really happening?	8	4	3	3	14	17	19
How do you know that global warming is happening?	24	7	10	31	18	48	39
What causes global warming?	9	7	7	16	18	8	1
What harm will global warming cause?	18	15	16	28	25	13	5
What can the United States do to reduce global warming?	22	47	40	11	20	2	2
What can I do to reduce global warming?	10	17	18	6	10	3	0
Other	12	12	7	8	10	9	33
Total*	103						

^{*} Some columns total to more than 100% because some respondents chose more than one question.

TABLE 4 | Information-Seeking and Attention

How much attention do you pay	to information	National Av.	Alermed 13g.	(s. Onemon of	Sunious (24)	Osenesse et al.	Son Hard Control of the Control of t	Olismissive (128)
	A lot	16	57	15	2	3	3	22
Global warming?	Some	39	41	53	32	34	30	36
Global warriing:	A little	37	1	31	60	44	48	28
	None	8	1	1	6	19	19	14
	A lot	28	65	35	12	11	22	22
Consorving onorgy?	Some	46	34	44	55	44	42	50
Conserving energy?	A little	24	1	20	31	38	32	24
	None	3	0	2	2	6	4	3

In the past 30 days, how much have you actively looked for information about...

	A lot	2	7	3	1	0	2	3
Global warming?	Some	18	40	14	10	12	14	23
Global warning!	A little	20	24	26	17	17	9	20
	None	60	30	57	72	70	75	54
	A lot	5	13	7	3	0	3	3
Concording onergy?	Some	22	38	22	14	20	17	26
Conserving energy?	A little	25	21	29	26	24	23	22
	None	48	28	43	57	56	56	48

TABLE 5 | Beliefs

	,e		3		90,	
S				to so		Osymissinsins (C.S.)
je je	Dou.		rious,		In the direction of the second	missiv
\$0	A.	Ġ.	ď	ġ,	0	ÖĞ
50	91	75	46	48	10	2
7	6	11	7	10	1	0
35	2	14	43	27	80	64
6	0	0	2	11	9	30
1	1	0	0	2	1	4
1	0	0	2	3	0	0
34 45 4	72 23 1	50 36 1	28 48 2	15 27 0	8 70 8	6 70 21
17	3	13	22	58	14	4
13	31	7	2	8	12	32
49	60	61	42	22	44	54
35	9	32	54	58	38	12
3	0	1	2	12	6	2
	50 7 35 6 1 1 34 45 4 17	50 91 7 6 35 2 6 0 1 1 1 0 34 72 45 23 4 1 17 3 13 31 49 60 35 9	50 91 75 7 6 11 35 2 14 6 0 0 1 1 0 1 0 0 34 72 50 45 23 36 4 1 1 17 3 13 13 31 7 49 60 61 35 9 32	50 91 75 46 7 6 11 7 35 2 14 43 6 0 0 2 1 1 0 0 1 0 0 2 2 25 28 45 23 36 48 4 1 1 2 17 3 13 22 13 31 7 2 49 60 61 42 35 9 32 54	50 91 75 46 48 7 6 11 7 10 35 2 14 43 27 6 0 0 2 11 1 1 0 0 2 1 1 0 0 2 3 3 45 23 36 48 27 4 1 1 2 0 17 3 13 22 58	50 91 75 46 48 10 7 6 11 7 10 1 35 2 14 43 27 80 6 0 0 2 11 9 1 1 0 0 2 1 1 9 1 1 0 0 2 1 1 1 9 3 0 0 0 2 1 1 1 1 1 1 1 1 2 0 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4<

¹First and third responses were rotated in the survey.

²Volunteered.

TABLE 6 | Emotions

How strongly do you feel th	-	National Av.	Named 130.	Sonomon Concerned to	Sunious Race	Co. Best of Co.	120°, Doubthul 12°s,	Dismissine (2.28)
emotions when you think a global warming?	bout the issue of	Nation	Alerm	Ó	Omio	Oj.	tqnoq	Oismis
	Very	20	58	29	8	8	2	11
Interested	Moderately	49	41	64	53	36	43	31
interested	Not very	15	0	5	26	16	31	15
	Not at all	16	1	2	13	40	25	43
	Very	15	36	14	3	7	7	33
Disgusted	Moderately	34	46	49	30	20	18	20
Disgusteu	Not very	23	8	27	37	15	30	5
	Not at all	28	9	10	30	58	45	43
	Very	12	22	20	5	10	4	6
Helpless	Moderately	33	45	45	38	20	17	11
ricipiess	Not very	24	20	27	32	18	24	6
	Not at all	31	13	8	25	53	55	78
	Very	11	22	13	4	12	5	11
Hopeful	Moderately	36	33	42	48	27	27	14
Пореги	Not very	30	39	38	31	16	24	15
	Not at all	24	6	7	17	46	44	60
	Very	11	33	19	2	2	1	2
Sad	Moderately	34	52	51	30	24	11	12
	Not very	21	12	19	33	16	23	9
	Not at all	35	2	11	34	58	65	76

TABLE 6 | Emotions, continued

How strongly do you feel th emotions when you think al global warming?	-	National Ave.	Abrilled 13%,	Concerned	Surious (24%)	Osoneseed.	(402). 00000000000000000000000000000000000	Osmissive (28)
giobai warriing:	Very	10	31	10	0	2	2	19
	Moderately	31	47	42	23	- 18	20	23
Angry	Not very	29	16	38	41	23	27	2
	Not at all	31	6	9	36	57	52	56
	Very	9	29	14	3	3	0	3
٠٠. : ١	Moderately	28	46	48	22	26	3	3
Afraid	Not very	28	21	27	42	13	39	7
	Not at all	35	4	11	33	57	58	86
	Very	3	11	5	2	0	0	0
C:I4	Moderately	24	45	35	19	17	10	2
Guilty	Not very	32	27	44	43	16	26	3
	Not at all	41	16	17	36	67	64	94
	Very	3	13	4	0	1	0	4
Donrossed	Moderately	19	35	27	16	16	4	5
Depressed	Not very	32	35	44	41	16	18	10
	Not at all	46	17	25	43	67	78	81

TABLE 7 | Issue Involvement

		National Average	4 orned (13%)	Concorned (28%)	Surious (24s,	Disops seed 10%	Doubtulles,	Dismissive (128,
	Extremely important	6	38	2	0	2	1	2
How important is the issue of	Very important	18	51	30	4	8	4	2
global warming to you	Somewhat important	38	10	63	52	45	13	6
personally?	Not too important	24	1	6	40	30	56	24
	Not at all important	14	0	0	4	15	26	66
	A lot	18	60	15	4	2	9	27
How much had you thought about global warming before	Some	37	37	53	29	30	27	35
today?	A little	32	2	27	54	26	48	21
	Not at all	13	0	5	13	41	17	17
	Very worried	12	58	13	1	2	0	0
How worried are you about	Somewhat worried	41	41	80	37	30	6	2
global warming?	Not very worried	30	1	6	58	49	56	18
	Not at all worried	18	0	1	4	19	38	81

TABLE 8a | Risk Perceptions: Who Is at Risk

How much do you think g	global warming will	National Ave.	Alormed (13e.	Concerned	Omions (28°)	le bester of the second	Coworn (12.8)	Oismissine (128)
You personally	A great deal	10	43	12	1	2	0	0
	A moderate amount	21	34	41	20	0	4	0
	Only a little	27	19	29	52	0	27	2
	Not at all	24	1	6	22	2	47	90
	Don't know	18	3	13	4	96	23	7
Your family	A great deal	11	50	15	1	0	1	0
	A moderate amount	25	34	47	28	2	1	0
	Only a little	24	12	24	47	0	29	2
	Not at all	21	0	3	16	1	43	90
	Don't know	19	4	11	8	97	26	8
Your community	A great deal	11	52	14	2	0	0	0
	A moderate amount	25	37	48	26	0	1	0
	Only a little	23	7	25	48	2	28	3
	Not at all	21	0	3	15	1	43	89
	Don't know	19	4	10	9	97	28	8
People in the	A great deal	16	65	23	3	0	1	0
United States	A moderate amount	28	29	55	35	0	2	2
	Only a little	22	3	17	45	1	41	2
	Not at all	17	0	0	7	2	30	89
	Don't know	17	3	5	9	97	26	7

TABLE 8a | Risk Perceptions: Who Is at Risk, continued

		Notional Ave.	46rmed (13c.)	Chamber Concerned Concerne	Sourines (24°)	Co. Dose Based 12	Coupting 12.2%	Dismissine (2.8.5)
How much do you think globa	I warming will harm:	Nation	Alsrne	9	O ATT	Disens	49000	insi Simis
People in other modern	A great deal	17	60	28	5	1	1	0
industrialized countries	A moderate amount	28	35	52	36	0	3	1
	Only a little	21	3	14	47	1	40	1
	Not at all	15	0	1	3	0	27	90
	Don't know	18	3	6	9	98	29	8
People in developing	A great deal	22	74	36	8	0	2	0
countries	A moderate amount	28	22	46	42	1	11	1
	Only a little	17	1	11	38	0	34	3
	Not at all	15	0	0	3	0	25	90
	Don't know	18	2	6	9	99	29	6
Future generations of	A great deal	39	92	77	21	0	3	1
people	A moderate amount	22	5	20	59	0	9	0
	Only a little	11	1	0	16	0	54	2
	Not at all	12	0	0	3	0	3	87
	Don't know	16	2	2	2	100	31	10
Plant and animal species	A great deal	40	94	79	21	1	4	0
	A moderate amount	21	4	18	55	2	10	1
	Only a little	12	1	0	23	0	46	3
	Not at all	13	0	0	1	0	10	90
	Don't know	15	2	2	1	97	30	6

TABLE 8b | Risk Perceptions: When Harm Will Occur

When do you think global warming will start to harm people in the United States?	Netional Ave.	1986 1977 1987 1987	Concerned Co	Couring (24°)	O'sengage of the	Company (1987)	Oismissive (1289)
They are being harmed now	29	82	41	12	30	1	2
In 10 years	12	7	21	17	10	1	0
In 25 years	12	7	16	18	11	6	1
In 50 years	13	3	17	26	8	10	0
In 100 years	15	1	6	22	18	47	3
Never	19	0	0	5	24	36	95

When do you think global warming will start to harm other people around the world?

world:								
Th	ey are being harmed now	32	82	47	19	31	2	0
	In 10 years	11	6	17	17	11	3	0
	In 25 years	12	10	14	20	10	9	1
	In 50 years	12	1	16	24	6	11	0
	In 100 years	13	1	5	18	19	43	3
	Never	18	0	0	3	23	31	96

TABLE 9 | Perceptions of Weather and Climate

I have personally experienced the effects of global warming.	National Average	4191med (138 ₉₎	Concerned (28°s)	Cattious (24%)	Dison Resear 108%)	Downfull (22%)	Dismissive (22.8)
Strongly Agree	5	19	5	3	2	2	1
Somewhat Agree	25	49	35	18	36	5	2
Somewhat	35	27	43	47	40	24	7
Strongly Disagree	35	6	18	32	21	69	90
The record snowstorms this winter in the eastern							

The record snowstorms this winter in the eastern
United States make me question whether global
warming is occurring.

Strongly Disagree	20	46	29	5	9	11	17
Somewhat	29	21	34	42	34	15	7
Somewhat Agree	35	22	31	43	46	44	28
Strongly Agree	16	12	6	10	12	30	49

TABLE 9 | Perceptions of Weather and Climate, continued

oid the winter in your local area bring more now or rain, less snow or rain, or was it no ifferent than normal?	National Aver	48 HOUNGO (138/2)	Concerned (28%)	Courious (24%)	Diso _R 8889 (10%)	Dowbth/(12%)	Dismissive (1.3.
Much more snow or rain than normal	31	40	31	27	28	27	34
A little more snow or rain than normal	30	27	33	29	22	35	33
No different than normal	25	11	21	31	37	27	23
A little less snow or rain than normal	11	17	11	11	9	10	9
Much less snow or rain than normal	3	5	3	2	3	0	2

Was the winter in your local area warmer colder, or no different than normal?

Much colder than normal	21	27	21	16	22	15	27
A little colder than normal	37	37	37	32	31	42	46
No different than normal	24	20	18	30	31	26	21
A little warmer than normal	16	14	21	18	8	17	3
Much warmer than normal	3	2	2	4	8	1	2

TABLE 10 | Impact of the Economic Downturn

How much has the economic downturn in this country since 2008 personally hurt you and your family?	National Ave	4 or med 13 ss.	Concerned	Sunious (20)	Osenwas de Maria	Conputation of	Oismissine (128)
A lot	28	37	31	21	28	30	28
Some	34	36	37	35	31	35	25
A little	27	21	26	32	26	21	34
Not at all	10	7	7	12	16	14	13

With the economy in such bad shape, the US can't afford to reduce global warming.

<u> </u>							
Strongly Agree	13	7	3	8	4	26	48
Somewhat Agree	30	7	24	37	44	48	28
Somewhat Disagree	42	33	54	52	44	23	16
Strongly Disagree	15	53	19	3	7	2	8

TABLE 11 | Environmental protection and economic growth

		National Alverage	41471100 (13%)	Concerned (28kg)	Cattions (48%)	Disengage of Topic	Doubtulizes,	Dismissine (228)
	Improves economic growth and provides new jobs	56	89	73	53	47	30	18
Overall, do you think that protecting the environment	Has no effect on economic growth or jobs	25	9	17	27	42	36	35
	Reduces economic growth and costs jobs	18	1	9	20	11	34	46
When there is a conflict between environmental protection and economic	Economic growth, even if it leads to environmental problems	35	3	16	43	36	60	74
growth, which do you think is more important?	Protecting the environment, even if it reduces economic growth	65	97	84	57	64	40	26

TABLE 12 | Conservation Actions

TABLE 12 Conservation Actio		98 28	130 M	188/s	, <u>, , , , , , , , , , , , , , , , , , </u>	470%		(2)
How often do you do this now?		National Average	^{4lar} neo (13 ₈₆₎	Concerned (28%)	Cautious (29%)	Disepsed 10g	Doubtul (12%)	Dismissive (13
	Always	57	69	56	56	62	51	47
	Often	33	27	36	31	24	35	40
Turn off the lights when they are	Sometimes	7	2	6	9	12	10	7
not needed	Rarely	1	1	0	1	0	0	0
	Never	2	1	0	2	1	3	3
	Not Applicable	1	0	1	0	1	0	2
	Always	44	49	44	42	51	36	42
Turn off electronics, like TVs and	Often	34	40	37	36	22	30	27
	Sometimes	16	11	13	16	21	28	18
computers, when they're not	Rarely	4	1	6	3	2	2	7
being used	Never	2	0	1	3	3	4	3
	Not Applicable	0	0	0	0	1	0	2
	Always	34	56	39	26	34	21	28
	Often	22	19	20	30	21	18	18
Recycle everything possible at	Sometimes	20	4	21	20	22	27	25
home	Rarely	12	10	11	13	11	20	10
	Never	10	10	7	6	10	14	18
	Not Applicable	2	1	1	4	1	1	1
	Always	34	43	40	28	35	24	33
	Often	22	24	17	29	16	25	17
In the winter, set the thermostat	Sometimes	16	10	14	19	18	26	12
to 68 degrees or cooler	Rarely	10	16	12	7	9	10	7
	Never	10	1	11	5	17	11	24
	Not Applicable	7	7	7	11	5	3	6

TABLE 12 | Conservation Actions, continued

		<u>.</u>	are in	·	28/2 Z	, (
How often do you do this now?		Netional A.	1692 1986 1987 1987	Concerned	Continue (24°)	olsen Based 1	Or John Man O	Disnissine (13.
	Always	29	34	31	27	28	23	27
In the summer, set the	Often	23	28	22	19	16	27	29
thermostat to 76 degrees or	Sometimes	18	13	15	24	20	20	14
warmer or use less air	Rarely	10	7	9	13	13	12	10
conditioning	Never	9	3	11	7	8	11	10
_	Not Applicable	11	15	12	10	16	7	10
	Always	20	35	19	18	14	16	14
	Often	24	26	33	21	17	16	26
Carry your own re-usable	Sometimes	25	20	24	31	22	30	22
beverage container	Rarely	12	8	9	13	17	15	10
	Never	15	4	14	12	22	23	24
	Not Applicable	4	7	1	5	7	0	3
	Always	19	34	19	17	20	15	10
	Often	28	36	27	28	28	26	22
Reduce the amount of trash and	Sometimes	30	16	38	29	28	26	35
garbage you create	Rarely	14	10	8	21	13	18	16
	Never	8	4	7	5	8	16	15
	Not Applicable	1	0	1	0	2	0	1
	Always	17	31	16	15	23	10	13
Use as little water as possible, for	Often	34	38	36	32	36	33	32
example, when you shower,	Sometimes	32	24	37	37	21	30	27
brush your teeth, and wash	Rarely	10	6	9	10	11	17	10
dishes.	Never	6	1	3	5	7	9	17
	Not Applicable	0	0	0	0	2	0	1

TABLE 12 | Conservation Actions, continued

		Netional Alverage	418med (138)	Concerned (28%)	Gutjous (24%)	1801 page guasio	Doubtull 238,	Dismissine 172g
How often do you do this now?		Netio,	A Land	Ś	Suti,	is of the second	000	in Si
	Always	12	20	10	9	30	6	6
Unplug electronics or turn off their	Often	12	15	13	14	8	12	5
power strips and surge protectors	Sometimes	17	26	15	17	11	23	15
	Rarely	26	20	31	30	16	23	23
when theyre not being used*	Never	32	18	30	30	30	36	48
	Not Applicable	1	0	1	0	4	0	2
	Always	7	20	4	5	9	6	4
	Often	14	26	14	11	19	5	10
Walk or bike, instead of driving	Sometimes	20	20	23	19	26	13	15
	Rarely	29	18	29	35	16	45	29
	Never	24	8	25	25	25	25	37
	Not Applicable	6	9	6	5	4	6	6
	Always	6	17	4	3	9	4	6
	Often	7	14	6	8	7	1	7
Take public transportation or	Sometimes	14	9	21	13	15	9	9
carpool	Rarely	19	25	15	20	15	26	13
	Never	40	17	42	40	43	44	56
	Not Applicable	14	19	12	16	10	16	10
	All	13	24	13	9	19	9	13
How many of the light bulbs in	Most	38	42	47	34	36	30	33
your home are energy-efficient	Some	19	18	15	23	11	26	19
compact fluorescent lights	A few	16	12	15	17	17	17	14
(CFLs)?*	None	10	4	6	14	6	16	16
· ·	I don't know	4	0	4	3	10	2	5

^{*}Photos of power strips, surge protectors, and multiple styles of CFLs accompanied these questions.

TABLE 13 | Conservation Intentions

In the coming year, do you intend to		National Average	Abrined 13%)	Concerned (28%)	Courious (24%)	Disense Sere (10%)	Doubstul (2%)	Dismissive (12.8)
do this		Nation	Alsring	Ö	Sattio	O. Son Son Son Son Son Son Son Son Son Son	1000 00	Oismis,
Town off the Baltanahan theorem	More often	45	54	53	45	35	38	31
Turn off the lights when they are not needed	The same	54	46	47	52	65	62	66
needed	Less often	1	0	0	2	0	1	2
Turn off alastropies like TVs and	More often	43	58	54	43	36	30	21
Turn off electronics, like TVs and computers, when they're not being used	The same	56	42	46	56	62	70	76
computers, when they re not being used	Less often	1	0	0	2	2	0	2
Doduce the execute of tweels and contact	More often	36	53	43	35	23	31	17
Reduce the amount of trash and garbage you create	The same	62	47	57	62	75	66	80
you create	Less often	2	0	1	3	2	3	2
Use as little water as possible, for	More often	35	49	43	37	22	29	17
example, when you shower, brush your	The same	63	51	56	61	76	70	81
teeth, and wash dishes.	Less often	1	0	1	2	2	2	2
	More often	33	49	42	33	25	19	14
Recycle everything possible at home	The same	65	51	57	63	72	77	83
	Less often	2	0	0	4	3	4	3
Carry your own re-usable beverage	More often	33	49	42	31	19	18	21
container	The same	64	51	57	65	73	78	77
Container	Less often	3	0	2	4	8	4	2
Unplug electronics or turn off their	More often	32	46	38	33	26	20	16
power strips and surge protectors when	The same	66	51	61	64	73	76	82
theyre not being used*	Less often	2	3	1	4	1	4	2

^{*}Photos of power strips and surge protectors accompanied this question.

TABLE 13 | Conservation Intentions, continued

In the coming year, do you intend to		National Average	Normed 13%	Concerned (28%)	Gattions (24%)	Disengases (10%)	Doubtul (2%)	Dismissive (12.8)
do this		Notio	Alora	Ore	Satti	Ojsen,	9000	Oism
	More often	26	43	26	30	20	14	14
Walk or bike, instead of driving	The same	70	57	70	65	76	78	80
	Less often	4	0	3	5	4	8	6
In the suitate a set the the area set at the CO	More often	24	36	27	24	24	17	6
In the winter, set the thermostat to 68 degrees or cooler	The same	73	60	70	71	75	80	89
	Less often	3	4	3	4	1	3	5
In the summer, set the thermostat to 76	More often	23	36	26	23	27	15	6
degrees or warmer or use less air	The same	73	62	71	71	68	81	90
conditioning	Less often	4	1	3	5	5	4	5
	More often	14	24	16	17	9	3	8
Take public transportation or carpool	The same	76	69	78	70	73	89	83
	Less often	10	7	7	13	18	8	9
Over the next 12 months, how likely are	Yes, I'd like to	36	61	47	33	30	25	25
you to change most of the light bulbs in your house to energy-efficiency compact	Yes, I'd like to	26	20	31	30	11	34	13
fluorescent lights (CFLs)?*	No, I don't	17	4	9	18	5	18	42
	I don't know	21	15	14	18	55	22	19
	n**	490	46	116	141	44	76	67

^{*}Asked if respondent has no, a few, or some CFLs, or if respondent doesn't know how many bulbs are CFLs. A photo showing multiple styles of CFLs accompanied this question.

^{**}N is for the CFL intention item only; all other items on this page were asked of the full sample.

TABLE 14 | Perceived Impact of Own Actions

Thinking about the energy-saving actions youre already taking and those youd like to take over the next 12 months. If you did most of these things, how much do you think it would reduce your personal contribution to global warming?

National Average	Alemed (13g.)	Conconed 25	Courious Race	le lien de la lien de	(10) (10) (10) (10) (10)	Osmissing.	(4)°
10	25	14	5	12	0	0	
27	42	34	25	33	5	2	
47	29	49	59	40	54	20	
16	4	4	12	15	41	78	

If most people in the United States did these same actions, how much would it reduce global warming?

A lot	31	60	42	23	25	4	0
Some	34	25	39	41	46	17	6
A little	27	14	18	33	18	54	41
Not at all	8	1	1	3	11	26	53

A lot Some A little Not at all

If most people in the modern industrialized countries around the world did these same actions, how much would it reduce global warming?

<u> </u>							
A lot	46	82	65	36	35	6	2
Some	29	12	29	39	40	26	4
A little	18	6	6	21	11	57	39
Not at all	7	1	0	3	14	11	55

TABLE 15 | Consumer Activism

Over the past 12 months, how many times have you done these things?		National Average	41917100 (138 ₉₎	concerned 288,	Surious (24s)	Disense Beed Ing.	Downerd (12.8%)	Dismissine (3.5.
	Many times (6+)	4	17	4	2	1	0	0
Rewarded companies that are taking steps to reduce global warming by	Several times(4-5)	6	25	4	3	0	3	2
	A few times(2-3)	12	19	15	11	7	7	4
	Once	4	4	5	6	4	2	2
buying their products.	Never	51	23	45	56	48	62	79
	Don't Know	23	12	27	22	39	26	13
	Many times (6+)	7	37	3	3	1	0	0
Punished companies that are opposing steps to reduce global warming by NOT buying their	Several times(4-5)	4	13	5	1	1	4	2
	A few times(2-3)	8	15	12	8	4	6	0
	Once	3	5	2	5	2	1	2
products.	Never	54	18	50	61	51	65	83
	Don't Know	24	11	29	22	41	25	14
Over the next 12 months, would you	More frequently	35	76	59	24	16	6	2
like to punish companies that are opposing steps to reduce global	About the same	55	17	35	65	73	83	83
warming by NOT buying their products	Less frequently	10	7	6	11	11	10	15
Over the next 12 months do you	More frequently	36	68	59	27	21	6	3
intend to buy the products of companies that are taking steps to reduce global warming	About the same	55	27	35	58	67	86	84
	Less frequently	10	5	6	15	12	8	12

TABLE 16 | Political Activism

Over the past 12 months, how many	times have vou done	National Average	40rmed 133e)	Concerned (28g)	Gutious (24%)	Disen Baged Top	Doubhull 22%)	Dismissive (7.
these things?	, , , , , , , , , , , , , , , , , , , ,	Natio O	Alarn	Se .	O TO	O. S.	000	
	Many times (6+)	1	2	0	1	0	0	0
Well also and the second areas	Several times(4-5)	3	9	0	5	0	1	0
Volunteered with or donated money	A few times(2-3)	4	9	8	3	0	1	0
to an organization working to reduce global warming	Once	8	17	12	4	5	2	2
giodai warriing	Never	78	58	74	82	68	94	94
	Don't Know	7	5	5	5	27	3	4
Posted a comment online in response to a news stories or blog about global warming	Many times (6+)	1	3	0	1	0	1	1
	Several times(4-5)	2	4	2	1	0	0	1
	A few times(2-3)	4	11	2	5	0	6	3
	Once	4	5	7	2	2	1	1
about global warming	Never	85	75	86	86	75	91	90
	Don't Know	5	2	4	4	24	1	4
	Many times (6+)	0	3	0	0	0	0	0
NA/without latters are all all are also and	Several times(4-5)	2	7	0	4	0	1	0
Written letters, emailed, or phoned	A few times(2-3)	4	13	2	3	2	3	4
government officials about global warming	Once	4	9	4	5	1	2	2
warring	Never	84	65	90	84	74	94	90
	Don't Know	5	3	3	4	23	1	4
When you contacted a government o	fficial, did you*							
Urge them to take action to I	reduce global warming	72	98	89	55	33	0	14
Urge them to not take action to i	reduce global warming	18	0	0	28	67	67	71
	Other	10	2	11	17	0	33	14
	n**	107	43	19	29	3	6	7

^{*}Asked if respondent had contacted a government official one or more times.

^{**}N is for this item only; all other items on the page were asked of the full sample. Please note small cell sizes.

TABLE 16 | Political Activism, continued

Over the next 12 months, would		National Average	Marned (13g)	Concerned (28%)	Courious (Rets)	Disengassed 10s	Doubsuff (2%)	Dismissive (12g.
you like to do the following								
Volunteer with or donate money to	More frequently	0	0	0	0	0	0	0
an organization working to reduce	About the same	69	63	68	71	74	72	64
global warming	Less frequently	18	6	12	23	14	26	36
Post a comment online in response to a news stories or blog about global warming	More frequently	8	29	7	5	6	2	3
	About the same	72	66	77	69	78	76	66
	Less frequently	20	5	16	26	16	21	31
Write letters, email, or phone	More frequently	10	32	9	7	7	8	4
government officials about global	About the same	71	62	77	68	77	73	67
warming	Less frequently	19	6	15	26	16	19	29
If you were to contact government or global warming, would you*	fficials about							
Urge them to take action to red	uce global warming	71	98	95	73	68	30	1
Urge them to not take action to reduce global warming		14	0	0	6	6	40	68
	Other	15	2	5	21	27	30	31
	n**	784	126	239	175	71	90	83

^{*}Asked if respondent intends to contact officials more frequently or about the same.

^{**}N if for contact intentions question only; all other questions on this page were asked of all respondents.

TABLE 17 | Perceived Importance of Conservation Behaviors

How important do you think it is to take the following actions?*	National Avers	46 THE OF 13.86	Concerned (28c)	Guious (24s)	Disense seed Inc.	Doubstul (289)	Dismissive (12.8)
Turn off the lights when they are not needed	3.6	3.9	3.8	3.6	3.4	3.4	3.3
Turn off electronics, like TVs and computers, when theyre not being used	3.4	3.8	3.7	3.3	3.2	3.1	3.1
Unplug electronics or turn off their power strips and surge protectors when they're not being used	3.0	3.5	3.2	3.0	3.0	2.6	2.2
In the winter, set the thermostat to 68 degrees or cooler	3.2	3.7	3.4	3.2	3.1	2.8	2.6
In the summer, set the thermostat to 76 degrees or warmer, or use less air conditioning	3.2	3.7	3.4	3.2	3.1	2.8	2.6
Walk or bike, instead of driving	3.0	3.6	3.3	2.9	2.9	2.4	2.3
Take public transportation or carpool	2.9	3.5	3.2	2.9	2.8	2.4	2.1
Recycle everything possible at home	3.4	3.8	3.7	3.4	3.3	3.1	2.8
Carry your own re-usable beverage container	3.0	3.5	3.3	3.0	2.9	2.6	2.4
Use as little water as possible, for example, when you shower, brush your teeth, and wash dishes	3.3	3.7	3.5	3.3	3.2	3.0	2.8
Reduce the amount of trash and garbage you create	3.4	3.8	3.6	3.3	3.2	3.1	3.0
Change most of the light bulbs in your home to energy- efficient compact fluorescent lights (CFLs)	3.2	3.8	3.6	3.1	3.1	2.8	2.5

^{*}Cell entries show means on 4-point scales, on which 1=not at all important; 2=somewhat unimportant; 3 = somewhat important; and 4=very important.

TABLE 18 | Perceptions of Social Norms

In your home, how many members of	nal Ave.	1986 1947 1986	Concerned 1.	Sattions (28%)	ion de la company de la compan	Oubrail (25)	Oismissine (22)
your family are trying to save energy?	National	Alorn	والمالي	J. J	, So, So, So, So, So, So, So, So, So, So	000	Oism Oism
All	43	58	41	43	37	40	40
Most	23	22	30	20	27	22	15
Some	16	9	14	17	23	16	21
A few	12	7	10	15	10	15	10
None	6	3	4	5	3	7	15

How many of your friends are trying to save energy?

<u> </u>								
	All	8	13	5	9	14	4	4
	Most	27	35	29	29	16	24	22
	Some	42	36	45	39	38	47	46
	A few	18	13	18	19	22	19	21
	None	5	3	4	4	11	6	7

How many people in your community are trying to save energy?

, 0	0,								
		All	4	5	2	2	13	4	2
		Most	21	24	24	24	14	11	18
		Some	55	53	54	55	45	63	57
		A few	18	16	18	17	20	21	19
		None	3	2	2	1	9	2	3

TABLE 18 | Perceptions of Social Norms, continued

TABLE 16 Perceptions of 30	ciai Noriiis, continue	su .	.e		5		Tolor	
		Netional A.	49med [13]	Sonornoo Sonornoo	Serious Seriou	Oison Beech	(C)/1940000	
How many of your friends do each	of the following most	na/a			.8	,		Oismissive r.
of the time?		,ijo	Asin,	روري		is in	000	Single
	All	2	4	0	3	5	0	0
	Most	15	21	14	23	6	10	9
In the winter, set the	Some	25	31	29	26	12	23	18
thermostat to 68 degrees	A few	13	10	10	16	7	29	8
or cooler	None	3	4	4	2	1	3	3
	Don't know	42	30	43	29	69	34	62
	All	2	4	1	2	5	3	1
Unplug electronics or turn off their power strips	Most	8	12	6	12	6	6	4
	Some	19	23	18	27	10	18	9
and surge protectors when theyre not being	A few	18	21	20	18	6	26	10
used	None	7	9	11	4	3	6	8
	Don't know	46	31	45	36	69	41	69
	All	2	4	0	2	5	0	1
	Most	6	13	4	9	2	2	1
Walk or bike, instead of	Some	19	27	24	19	10	11	15
driving	A few	26	35	26	30	10	29	14
	None	16	9	19	14	10	27	17
	Don't know	32	12	27	26	64	30	52
	All	2	4	1	2	7	1	0
	Most	5	12	5	8	1	1	1
Take public	Some	16	17	19	20	11	11	8
transportation or carpool	A few	22	26	27	20	9	29	13
	None	24	26	23	22	11	31	28
	Don't know	31	15	25	27	61	27	50

TABLE 18 | Perceptions of Social Norms, continued

How many of your friends do each of to the time?	he following most	National Ave.	Alarmed 13%)	Concerned	Sourious (24%)	Disense See el.	County (12.5)	Dismissive (1286)
	All	4	4	5	5	8	2	0
	Most	17	29	20	20	6	6	10
Recycle everything possible at	Some	24	26	28	27	14	23	19
home	A few	17	19	16	19	8	30	10
	None	4	5	5	2	1	8	4
	Don't know	33	18	27	28	63	31	56
	All	1	5	0	2	0	0	0
How many of your friends have	Most	13	21	10	19	7	10	10
replaced most or all of the light	Some	22	24	24	24	8	29	12
bulbs in their homes with energy- efficient compact fluorescent bulbs (CFLs)?	A few	11	11	11	11	4	15	10
	None	4	6	4	2	0	6	7
	Don't know	49	33	50	42	81	40	60

TABLE 19 | Interpersonal Communication

How often do you discuss global warming with your family and friends?	National Average	Alarmed (13%)	Concorned (28%)	Gutious (24%)	Disenga Beau (10s)	Doubral (12%)	Dismissive (12%)
Often	5	22	2	1	2	2	9
Occasionally	30	54	37	17	10	23	39
Rarely	39	21	48	46	28	38	33
Never	25	3	13	36	60	37	20
How many people have you spoken with about global warming in the last two weeks? More than 10 5-10 1-4 0	2 3 32 63	8 4 66 22	0 2 37 61	0 4 19 77	0 2 10 88	2 2 29 67	1 7 29 63
How many of your friends share your views on global warming?							
All	4	13	2	0	0	2	7
Most	23	42	21	11	9	22	44
Some	33	26	39	39	12	35	24
A few	27	17	33	34	30	25	12
None	13	2	5	15	49	15	13

TABLE 20 | Family Communication

	National Average	4/47med [2.8. _{6.7})	Concerned (28%)	Cautious (24%)	Dise Based (10g)	Ooubin/1228)	Dismissive (22%)
How often do you discuss global warming	onal 4) pou	e de la composition della comp	iti Sousz V) Instag	vissiv.
with your children?	že _V	Alar	Ğ	Š	of s	03	Ö
Often	2	11	1	0	0	2	5
Occasionally	26	60	36	11	4	15	29
Rarely	36	26	42	45	25	29	28
Never	36	3	21	44	71	53	38
How much do you and your children agree about global warming? Mostly agree	42	58	35	34	40	34	66
Somewhat agree	46	38	55	53	40	44	29
Somewhat disagree	8	0	6	11	9	15	1
Mostly disagree	4	4	3	2	11	8	4
How often do you discuss saving energy with your children?							
Often	28	49	39	19	32	16	13
Occasionally	42	36	37	48	25	50	45
Rarely	13	11	12	14	11	16	13
Never	17	4	12	19	32	17	28

TABLE 21 | Opinion Leadership

	·	National Av.	48 AND BOLLS	Concerned (%)	1882) Sutions (28.5)	Oseneseed	C)/DJAMOO	Oranie in the second se
		Natio,	Alorm	Š	South	Social	0000	Oismi.
How many people have you	More than 10	2	8	0	0	0	2	1
spoken with about global	5-10	3	4	2	4	2	2	7
warming in the last two	1-4	32	66	37	19	10	29	29
weeks?	0	63	22	61	77	88	67	63
In general, do you like to talk	Yes	23	53	32	12	5	12	21
with other people about global	No	52	34	42	58	56	75	58
warming?	Don't know	25	13	27	30	39	13	22
	Give more information than you receive	12	34	13	5	1	8	15
When you talk with other people about global warming, do you usually	Give and receive about the same amount of information	39	47	43	34	19	39	42
warming, ao you asaany	Receive more information than you give	13	10	15	16	9	17	6
	Don't know	36	9	30	45	71	36	38
Do people you know come to	Yes	7	16	5	4	3	7	6
you for advice about global	No	84	72	87	90	74	89	79
warming?	Don't know	10	12	8	6	23	4	14
Do you think other people	Yes	13	34	9	6	5	14	15
consider you a good source of	No Don't know	44 44	22 44	42 48	56 39	40 55	62 24	33 53
advice about global warming?	Don t know	77	44	40	3)	JJ	24	55

TABLE 22 | Outcome Expectations

Which of the following statements corview? ¹	mes closest to your	National Average	Alarmed 10%)	Concerned (29%)	(% tz) snojme,	Diseries server (6%)	Ooubtul (13%)	Dismissive (16.5)
Humans can reduce global warming, and we are going to do so successfully		10	16	12	10	27	2	2
Humans could reduce global warming, point whether we	but it's unclear at this will do what's needed	45	60	67	55	42	15	3
Humans could reduce global warming, but people aren't willing to change their behavior, so we're not going to		17	22	19	25	17	13	1
Humans can't reduce global warming,	even if it is happening	15	1	1	8	8	49	37
Global wa	arming isn't happening	13	0	0	2	6	21	57
U-1 6	Strongly Agree	17	8	6	12	15	18	47
"The actions of a single individual	Somewhat Agree	29	20	26	32	46	45	19
won't make any difference in global warming."	Somewhat Disagree	37	25	44	51	33	31	18
	Strongly Disagree	17	47	24	5	7	6	16

¹Half the respondents saw the response order shown here; half saw the reverse order, with "global warming isn't happening" at the top.

TABLE 23 | Support for a National Response: Conditions for & Magnitude of Action Desired

	National Ave.	Alarmed (13	Concerned	(solitors)	los de la constanta de la cons	Outoful?	Oismissine (1)
Regardless of what other countries do	65	93	82	69	44	45	22
Only if other industrialized countries (such as England, Germany and Japan) reduce their emissions	3	0	1	7	0	5	5
Only if other industrialized countries and developing countries (such as China, India and Brazil) reduce their emissions	8	0	3	10	3	20	11
The US should not reduce its emissions	5	3	0	1	0	2	33
Don't know	19	4	13	13	53	27	29
low big of an effort should the United States make to reduce slobal warming?							
A large-scale effort, even if it has large economic costs	28	77	39	12	34	2	1
A medium-scale effort, even if it has moderate economic costs	41	23	55	61	38	31	4
A small-scale effort, even if it has small economic costs	18	1	6	23	19	47	25
No effort	13	0	0	4	9	20	70

TABLE 24 | Issue Priority

Do you think global warming should be a low, medium, high, or very high priority for the president and Congress?	National Ave.	1986 Alama (138 ₆₎	Concerned (28)	Courie Real	Disentation of the	(Sec. 1) Mygnoo	Osmissive (2-28)
Very high	17	74	20	1	10	0	1
High	27	25	55	23	30	2	0
Medium	33	1	25	61	48	42	7
Low	23	0	0	15	11	56	92

Do you think that developing sources of clean energy should be a low, medium, high, or very high priority for the president and Congress?

Very high	34	88	45	16	19	12	15
High	37	10	48	47	43	35	19
Medium	23	0	6	35	37	40	39
Low	6	1	0	2	1	14	27

TABLE 25 | Support for National Response: Specific Climate and Energy Policies

How much do you support or oppos policies?	se the following	Netional Av.	419med (138 ₉₎	Concerned	, 58%) Somious (44%)	Disense Been	, (10 ₈₎ Doubitul (12 ₈₎	Dismissive 1728
	Strongly support	42	80	54	31	32	19	26
Fund more research into renewable	Somewhat support	44	17	41	56	51	62	36
energy sources, such as solar and wind power.	Somewhat oppose	10	0	4	11	15	13	23
	Strongly oppose	4	3	0	2	2	6	15
	Strongly support	41	78	55	32	27	20	20
Provide tax rebates for people who purchase energy-efficient vehicles or solar panels.	Somewhat support	42	18	33	55	50	56	40
	Somewhat oppose	12	1	9	12	22	14	22
	Strongly oppose	5	3	2	1	1	11	17
	Strongly support	26	66	40	13	15	6	5
Regulate carbon dioxide (the primary	Somewhat support	51	31	55	72	56	50	18
greenhouse gas) as a pollutant.	Somewhat oppose	13	3	4	10	26	22	29
	Strongly oppose	11	0	2	5	3	22	48
	Strongly support	23	26	15	15	8	30	56
Expand offshore drilling for oil and	Somewhat support	39	19	38	50	48	46	25
natural gas off the U.S. coast.	Somewhat oppose	21	15	25	26	38	11	9
	Strongly oppose	17	40	22	9	5	14	10

TABLE 25 | Support for National Response: Specific Climate and Energy Policies, continued

		Netional Average	4 A A A A A A A A A A A A A A A A A A A	Concerned (28c)	Surious (24.8)	Disense Seed (100)	Coupting 12.88	Dismissine (1.28)
How much do you support or oppose	the following policies?	12eN	₽	Ó	Con Service Con Se	Ö	03	Ö
Require electric utilities to produce at	Strongly support	22	58	30	12	15	5	5
least 20% of their electricity from	Somewhat support	39	30	46	46	47	32	17
wind, solar, or other renewable	Somewhat oppose	22	9	19	30	31	26	17
nergy sources, even if it cost the verage household an extra \$100 a ear.	Strongly oppose	17	4	5	11	6	37	62
Sign an international treaty that	Strongly support	21	68	32	8	6	2	1
requires the United States to cut its	Somewhat support	44	29	53	60	63	27	14
emissions of carbon dioxide 90% by	Somewhat oppose	19	3	11	26	28	34	18
the year 2050.	Strongly oppose	16	1	4	7	3	36	67
	Strongly support	16	11	9	14	15	15	44
Duild more nuclear newer plants	Somewhat support	37	24	39	42	33	43	36
Build more nuclear power plants.	Somewhat oppose	30	25	35	32	34	28	17
	Strongly oppose	17	40	18	13	17	14	3

TABLE 25 | Support for National Response: Specific Climate and Energy Policies, continued

How much do you support or oppose policies?	e the following	Notional Average	se Alarmed (13%)	Concerned (28%)	Cautious (24%)	Disonas Besed (10c.	(s. 7) myanoo	Dismissine (128)
	Strongly support	14	39	22	6	6	2	5
Establish a special fund to help make buildings more energy efficient and	Somewhat support	41	44	51	50	44	25	13
teach Americans how to reduce their	Somewhat oppose	24	11	18	28	36	38	19
energy use. This would add a \$2.50 surcharge to the average household's monthly electric bill.	Strongly oppose	21	6	9	15	14	35	63
Increase taxes on gasoline by 25	Strongly support	9	23	9	8	13	2	1
cents per gallon and return the	Somewhat support	26	36	28	29	28	18	12
revenues to taxpayers by reducing	Somewhat oppose	33	22	38	39	33	32	19
the federal income tax.	Strongly oppose	32	19	24	24	26	48	69

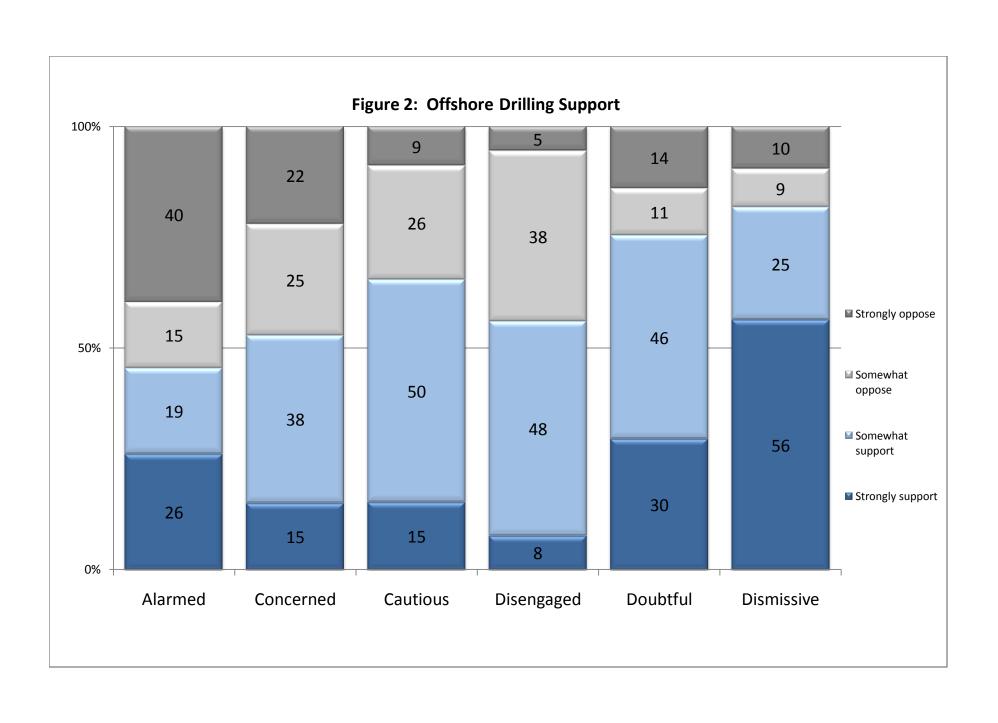


TABLE 26 | Attention and Response to Climategate

Have you heard anything in the news recently about controversial emails between climate scientists in England and the US? Some news organizations have called the release of these emails "Climategate."	National Average	4 string of 13.89)	Concerned (28c)	Cautious (24%)	Dison Based 10%)	Doubru (12%)	Dismissive (12%)
Yes	23	34	17	14	3	30	52
No	58	56	63	68	61	55	35
Don't know	19	11	20	18	36	15	14

The	following	question w	vas asked of	respondents	who said "	ves" above.	Please note small	cell sizes.

	Very closely	18	18	2	3	0	24	35
How closely have you followed the news stories about the controversial	Somewhat closely	32	34	37	29	0	32	29
emails?	A little	38	32	47	44	100	39	29
	Not at all	12	16	14	24	0	5	6
	n	233	44	49	34	3	38	65

TABLE 26 | Attention and Response to Climategate

The following questions were asked of respondents who said they had followed the stories "very closely," "somewhat closely," or "a little." Please note small cell sizes.	National Average	Alermed (13%)	Concerned (28%)	Gutious (24%)	Disense See of LOS.	Ooubrul (22%)	Dismissive (1288)
Would you say the news stories about the controversial emails made you							
Much more certain that global warming IS happening	6	16	14	0	0	0	0
Somewhat more certain that global warming IS happening	6	16	7	12	33	0	0
They had no influence on my level of certainty	37	68	71	23	33	18	13
Somewhat more certain that global warming IS NOT happening	20	0	7	46	33	41	18
Much more certain that global warming IS NOT happening	30	0	0	19	0	41	69
n	203	37	42	26	3	34	61
Have these stories about the controversial emails caused you to have more or less trust in climate scientists?							
Much more trust	2	11	2	0	0	0	0
Somewhat more trust	4	8	5	12	0	0	2
No change in my level of trust	44	65	62	40	33	40	25
Somewhat less trust	23	16	29	40	67	14	20
Much less trust	26	0	2	8	0	46	54
n	203	<i>37</i>	42	25	3	35	61

TABLE 27 Attention and Response to IPCC Er	rors	8		616	_	Solo	_	999
		'A Se	130	\$7 ₀	200 J	77) ₀₉₈	12%	برقي
		National Average	419rmed (138 ₆₎	Concerned (28%)	Sutious Rass	Disonge Beech 100g/	Oubru/(22%)	Dismissive (12%)
Have you heard anything in the news recently about	Yes	13	20	6	10	1	14	35
errors in the 2007 Intergovernmental Panel on Climate	No	68	71	77	72	60	72	42
Change (IPCC) report?	Don't know	19	9	18	19	39	14	23
The following question were asked of respondents who said	l "yes" above. F	lease note	e small cell	sizes.				
	Very closely	18	14	6	22	0	21	22
How closely have you followed the news stories	Somewhat	20	21	6	17	0	11	32
about these errors?	A little	47	46	75	30	100	58	39
	Not at all	15	18	13	30	0	11	7
	n	128	28	16	23	1	19	41
The following questions were asked of respondents who sail Would you say the news stories about the errors made		"a little,"	"somewha	t," or "close	ly." Pleas	e note smal	ll cell sizes.	
Much more certain that global warming	IS happening	9	26	0	27	0	0	0
Somewhat more certain that global warming	IS happening	15	13	69	27	0	0	0
They had no influence on my le	vel of certainty	28	61	23	20	100	18	16
Somewhat more certain that global warming IS N	OT happening	14	0	8	27	0	18	18
Much more certain that global warming IS N	IOT happening	34	0	0	0	0	65	66
	n	107	23	13	15	1	17	38
Have these stories about the IPCC errors caused you to have	e more or less t	rust in clim	nate scienti	ists?				
M	uch more trust	7	22	7	13	0	0	0
Somew	hat more trust	6	4	0	31	0	0	0
No change in m	y level of trust	33	39	57	25	100	19	28
Some	what less trust	32	35	29	31	0	50	26
	Much less trust	22	0	7	0	0	31	46
	n	109	23	14	16	1	16	39

TABLE 28 | Trust in Information Sources

How much do you trus	National Av.	Normod 13c.	Soncomed (2)	Surious (24°	O'senge Beeg	Doughtul 128.	Oismissive (22.	
following as a source o global warming?	Notio,	Alstra	Ó	Sutio	is is	Outor	Ojenis Ojenis	
	Strongly trust	26	61	40	15	17	7	3
Scientists	Somewhat trust	55	31	56	66	69	61	42
Scientists	Somewhat distrust	15	4	4	18	12	23	40
	Strongly distrust	4	4	0	1	2	9	15
	Strongly trust	3	8	5	0	5	0	1
The mainstream news	Somewhat trust	42	58	57	39	52	22	7
media	Somewhat distrust	33	27	32	47	33	38	14
	Strongly distrust	22	8	7	14	10	40	79
	Strongly trust	5	7	8	2	7	1	0
Television weather	Somewhat trust	56	69	67	57	60	44	24
reporters	Somewhat distrust	28	16	18	33	30	39	43
	Strongly distrust	11	9	6	8	3	16	33
	Strongly trust	5	6	3	2	6	9	6
Religious leaders	Somewhat trust	38	27	36	45	51	32	37
neligious leaders	Somewhat distrust	32	34	32	32	23	37	29
	Strongly distrust	26	33	29	21	20	22	29

TABLE 29 | Media Preferences

Which of the following media sources do you turn to most often to keep up with current news and world events?	National Av.	49. 49. 49. 69. 69. 69. 69. 69. 69. 69. 69. 69. 6	Concerned	Gunious (20.	Okon Based on Control of Control	(20%) Outhin (12%)	Olsmissive (128.
Television	59	48	62	58	72	69	44
Internet (excluding email)	20	22	19	17	16	15	31
Radio	10	15	6	11	4	6	22
Print Newspapers	10	15	11	12	7	9	2
Magazines	1	1	2	2	0	1	0
Thinking about the different kinds of political news available to you, what do you prefer?							
News sources without a particular political point of view	80	85	86	80	63	81	73
News sources that share your political point of view	20	15	14	20	37	19	27

TABLE 30 | Attention to Specific Programs and Media Sources

		National ALL		S Sound of the second of the s		le l		Osmissine Os
How often do you watch or following shows or visit the		Netional	48med (13,	O O O	, 88) Sullous (28,	Oson Salasa	00000 170%	Dismissi,
	Often	50	58	53	52	50	42	34
Local TV news	Sometimes	28	25	30	29	28	28	28
Local IV Hews	Hardly ever	12	10	8	10	4	21	24
	Never	10	7	9	9	18	8	14
	Often	33	48	36	32	36	31	11
The national nightly	Sometimes	27	22	36	30	22	20	14
network news on CBS, ABC or NBC.	Hardly ever	14	12	9	16	12	17	22
ABC OF NBC.	Never	26	19	19	22	30	31	53
	Often	29	39	36	28	12	31	15
Your local newspaper	Sometimes	32	25	34	33	28	38	30
(either print or online)	Hardly ever	18	13	13	20	14	17	33
	Never	21	24	16	20	45	14	22
	Often	22	21	27	18	18	28	20
	Sometimes	33	38	32	36	23	35	27
The Weather Channel	Hardly ever	17	16	14	21	18	14	17
	Never	28	25	27	25	42	23	36
	Often	14	11	5	9	12	20	39
The Fox News CABLE	Sometimes	24	18	25	23	21	34	18
Channel	Hardly ever	15	15 5.0	11	24	14	12	12
	Never	47	56	58	44	52	33	31

TABLE 30 | Attention to Specific Programs and Media Sources, continued

		Ą						
How often do you watch or listen to the following shows or visit their websites?		National Av.	48med (13,	(%)	Sutious (240.	Josephosio	00000000000000000000000000000000000000	Oismissine (128)
	Often	13	21	14	12	16	11	4
CNN	Sometimes	29	35	34	27	23	27	18
CININ	Hardly ever	19	17	12	25	20	22	19
	Never	40	27	39	37	41	39	59
	Often	9	21	11	9	4	4	5
Other newspaper (either	Sometimes	31	31	35	29	26	34	24
print or online)	Hardly ever	23	16	24	23	9	27	35
	Never	37	32	31	39	61	35	36
	Often	9	22	12	8	2	2	4
National Public Radio	Sometimes	16	28	15	14	9	17	16
(NPR)	Hardly ever	14	14	10	14	13	18	20
	Never	60	36	63	64	76	62	60
	Often	9	15	9	9	7	4	6
Sunday morning news	Sometimes	17	15	22	19	17	13	8
shows, such as Meet the Press	Hardly ever	18	20	19	15	10	27	19
. 1.033	Never	56	49	51	57	66	56	68
	Often	6	16	9	2	5	2	1
MSNBC	Sometimes	22	24	28	23	19	19	10
MONDO	Hardly ever	19	15 45	18	24	18	22	16
	Never	52	45	44	51	57	57	73

TABLE 30 | Attention to Specific Programs and Media Sources, continued

		Ą		<i>%</i>	20 20 E			
How often do you watch or listen to the following shows or visit their websites?		National Av.	Nomed 130		Surious (28)	Osense Red	00000000000000000000000000000000000000	Oismissine (2.)
	Often	6	12	6	4	5	5	2
CNBC	Sometimes	22	25	28	23	18	18	9
CINDC	Hardly ever	18	13	15	22	15	25	22
	Never	54	49	51	50	62	52	68
	Often	6	3	3	2	4	7	22
The OReilly Factor with	Sometimes	14	11	13	9	9	21	27
Bill Oreilly	Hardly ever	14	13	12	17	11	14	12
	Never	67	74	73	72	76	58	40
	Often	6	4	1	2	2	10	25
The Class Back Bossess	Sometimes	8	7	6	5	4	12	20
The Glenn Beck Program	Hardly ever	11	6	7	15	9	13	14
	Never	76	83	87	79	84	65	41
	Often	5	16	7	2	1	2	2
The Daily Show with Jon	Sometimes	13	19	18	8	13	13	7
Stewart	Hardly ever	12	16	12	15	7	2	19
	Never	70	50	63	75	79	83	73
	Often	4	3	1	2	2	9	16
The Sean Hannity Show	Sometimes	9	4	7	7	5	10	29
200	Hardly ever Never	11 76	10 83	6 86	13 79	5 88	17 64	16 39

TABLE 30 | Attention to Specific Programs and Media Sources, continued

		Š		(e)	100 M	, a	100 V	
How often do you watch or following shows or visit thei		National ALL	48med 138	Concorned	Cest Cest	Osensas Red	Oubra (12)	Oismissine (3)
U	Often	4	0	0	2	0	2	21
The Rush Limbaugh	Sometimes	10	7	7	8	6	16	22
Show	Hardly ever	10	7	6	12	8	12	16
	Never	77	86	87	78	87	69	42
	Often	3	12	3	3	2	0	0
The New York Times	Sometimes	8	13	10	9	3	5	4
(either print or online)	Hardly ever	13	17	15	13	7	8	14
	Never	76	58	72	75	88	87	82
	Often	3	9	6	2	0	1	0
Countdown with Keith	Sometimes	6	6	12	3	3	3	3
Olbermann	Hardly ever	11	11	8	16	13	8	10
	Never	80	74	74	80	84	88	87
	Often	3	10	5	1	0	1	0
The Rachel Maddow	Sometimes	5	8	9	4	3	1	0
Show	Hardly ever	8	10	8	8	4	6	8
	Never	84	72	78	87	93	92	92
	Often	3	8	3	2	0	2	2
The Colbert Report with	Sometimes	12	19	20	7	13	5	6
Stephen Colbert	Hardly ever	14	20	12	19	4	7	18
	Never	71	53	66	72	83	87	75
	Often	2	3	1	2	2	3	2
The Middle Change Line and Line	Sometimes	11	17	9	11	5	7	17
The Wall Street Journal	Hardly ever	13	15	17	9	6	11	15
	Never	75	65	73	78	87	79	67

TABLE 31 | Party Identification, Political Ideology, and Voter Registration

		Notional Ave.	Alarmed (130)		Surious (24°	Osen Bester (County (10%)	Osmissine (12e
		Nation	40rm	O Co	O ATLION	Disense	0000	Dismiss
	Republican	22	8	12	25	7	48	39
Generally speaking, do	Democrat	39	57	55	39	49	8	2
you think of yourself	Independent	23	21	18	22	14	30	37
as a	Other; Please specify:	3	1	0	0	4	2	12
	No party/not interested in politics	14	13	14	13	26	11	10
	Very liberal	6	19	8	2	6	2	0
In conoral do vov	Somewhat liberal	19	26	27	20	14	6	8
In general, do you think of yourself as	Moderate, middle of the road	41	40	48	47	46	28	18
,	Somewhat conservative	24	12	14	27	17	46	38
	Very conservative	11	3	3	5	17	18	35
Do you consider	Yes	10	6	3	4	2	23	40
yourself part of the Tea Party movement	No	64	83	70	70	55	48	40
or not?	Don't know	26	12	27	27	43	30	20
A no very no giote and dit =	Yes	83	83	84	82	70	87	90
Are you registered to vote?	No	14	16	15	15	21	11	8
	Not sure	3	2	1	4	9	2	2

Methodology

These results come from nationally representative surveys of American adults, aged 18 and older. The samples were weighted to correspond with US Census Bureau parameters for the United States.

The surveys were designed by Anthony Leiserowitz and Nicholas Smith of Yale University and Edward Maibach and Connie Roser-Renouf of George Mason University, and were conducted by Knowledge Networks, using an online research panel of American adults.

- June 2010: Fielded May 14 through June 1 with 1,024 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- January 2010: Fielded December 24, 2009 through January 3, 2010 with 1,001 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- November 2008: Fielded October 7 through November 12 with 2,164 American adults. Data were collected in two waves: wave 1 from October 7 through October 20, and wave 2 from October 24 through November 12. The margin of sampling error is plus or minus 2 percent, with 95 percent confidence.

The six audience segments were first identified in analyses of the 2008 data set. Latent Class Analysis was used to segment respondents, based on 36 variables representing four distinct constructs: global warming beliefs, issue involvement, policy preferences and behaviors. Discriminant functions derived from the latent class analysis were used with the 2010 data sets to replicate the earlier analysis and identify changes in the groups.

The prior reports on Global Warming's Six Americas are available at our websites: http://environment.yale.edu/climate and http://climatechange.gmu.edu