

### On this we all agree – saving energy is good: The case of global warming's "Six Americas"

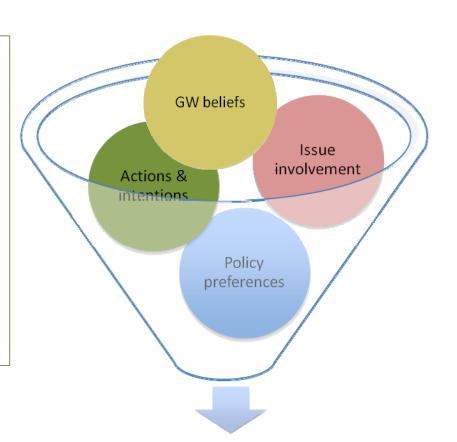
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Edward Maibach, MPH, PhD

### The premise of audience segmentation

Effective communication provides people with information targeted to their informational needs.



People differ. An important task for program planners is to identify groups of people whose needs can be met in a similar manner.

motivationally coherent audience segments

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

Proportion represented by area













Alarmed 18%

Concerned 33%

Cautious 19%

Disengaged 12%

Doubtful 11%

Dismissive 7%

4

Highest Belief in Global Warming Most Concerned Most Motivated

Lowest Belief in Global Warming Least Concerned Least Motivated

n=2,129













### Alarmed Alice



Alice is completely sure global warming is happening, she believes it is human caused, and she feels personally threatened by it. She also believes that people around the world are already being harmed by it, or will soon be.

### Concerned Claudia

Claudia is very sure global warming is happening, and she believes it is human causes, but she feels less personally threatened by it than Alice. She believes that global warming will begin to harm people around the world 10+ years from now.



### **Cautious Carl**



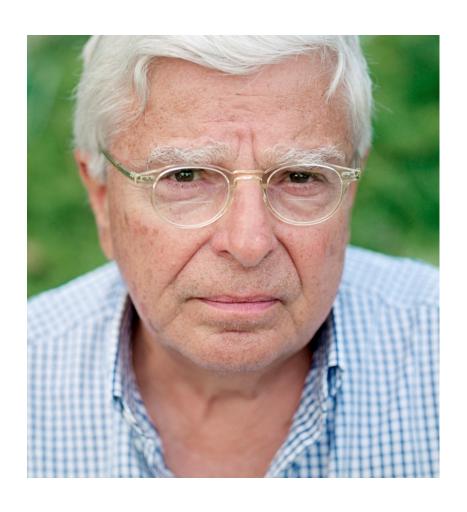
Carl is only somewhat sure that global warming is happening, and he is equally likely to see it as human caused or not. He sees global warming as a more distant threat – primarily a threat to other people – that won't begin to hurt people around the world for another 25 - 50 years.

### Disengaged Diane

Diane thinks global warming may be happening, but she's not at all sure. She's given it very little thought, doesn't consider it personally important, and doesn't feel she knows anything about it.



### **Doubtful David**



David says he doesn't know if real or not, but if it is, he's pretty sure it isn't human-caused. David certainly isn't worried about it; he sees global warming as a very distant threat that won't harm people for at least another 100 years.

### Dismissive Dan

Dan simply does not believe that global warming is happening – or if he does, he believes that it's in God's hands - and he believes that many scientists share his views.



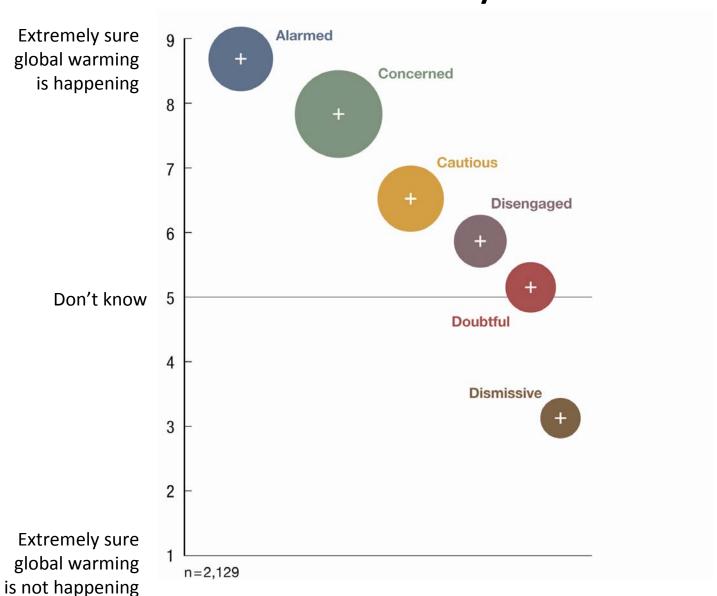
#### **Five Key Beliefs**

differentiate those who *support* strong climate change policies from those who *don't* in the United States

- 1. Belief in the reality of climate change: It's real.
- 2. Certainty: I'm certain it's real.
- 3. Human implications: It will be bad for people.
- 4. Belief in human causation: Humans caused it.
- 5. Response efficacy: *Humans can fix it.*

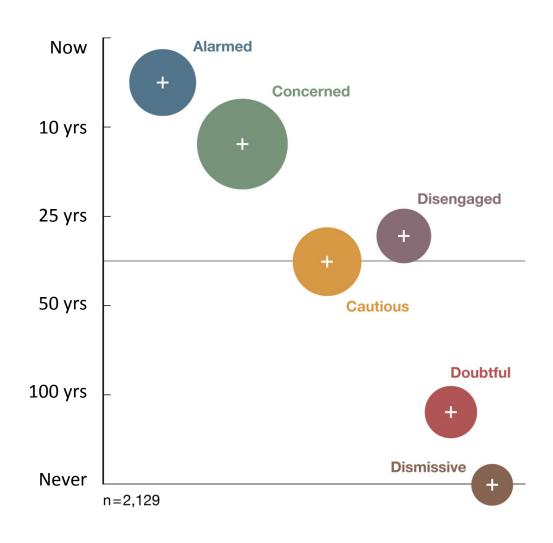
- 1. Reality of climate change: It's real.
  - 2. Certainty: I'm certain it's real.

## Do you think that global warming is happening? How sure are you?



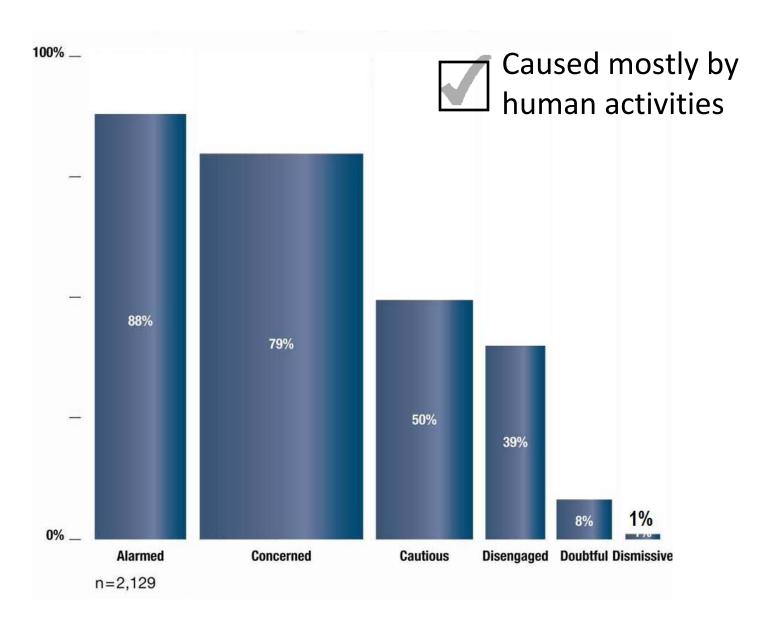
3. Evaluation: It will be bad for people.

## When do you think global warming will start to harm people in the United States?



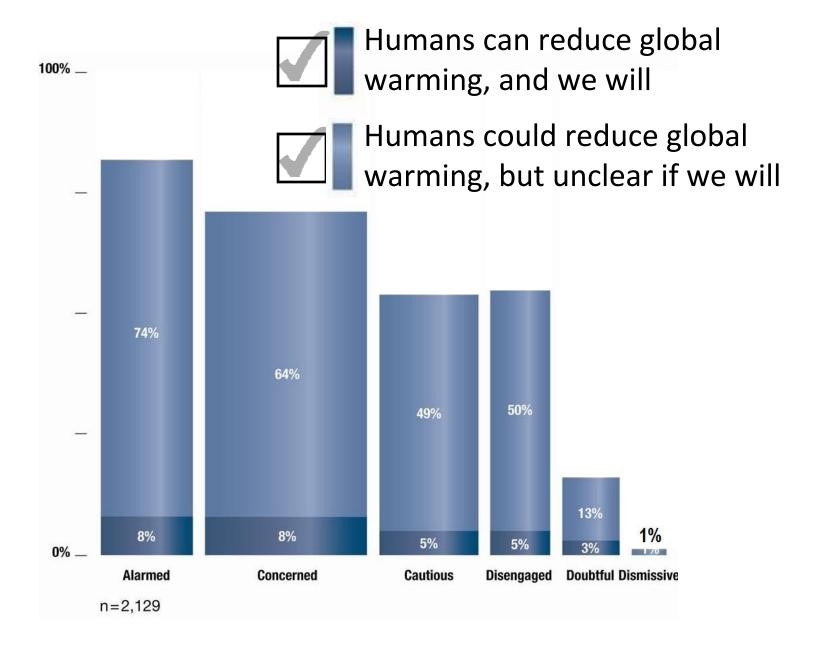
# 4. Belief in human causation: Humans caused it.

#### If global warming is happening, do you think it is ...



5. Response efficacy: Humans can fix it.

#### Which of the following statements comes closest to your view?



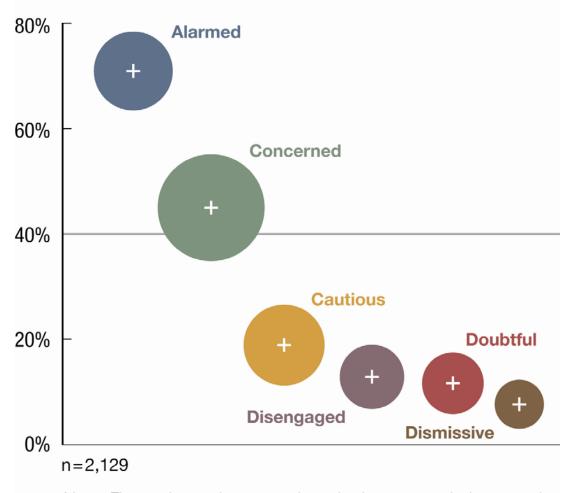
# What global warming-related actions are the Six Americas taking?

And what public policies do they support?

## **Figure 24:** Proportion who have rewarded companies that support action to reduce global warming

Over the past 12 months, how many times have you done these things?

 Rewarded companies that are taking steps to reduce global warming by buying their products.

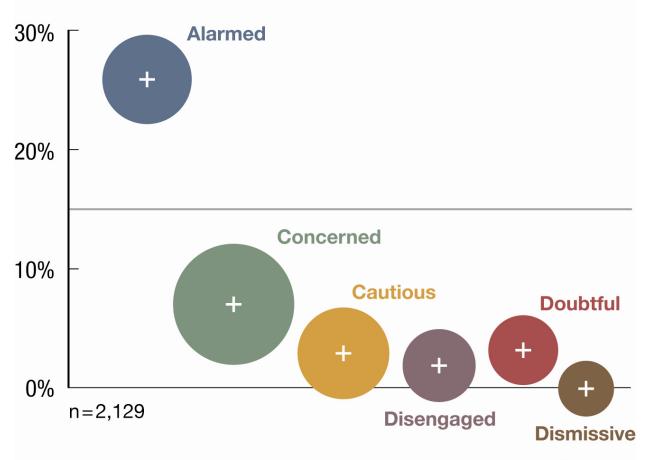


Note: Figure shows the proportion who have rewarded companies one or more times over the past 12 months.

# Figure 23: Proportion who have contacted elected officials to urge action on global warming

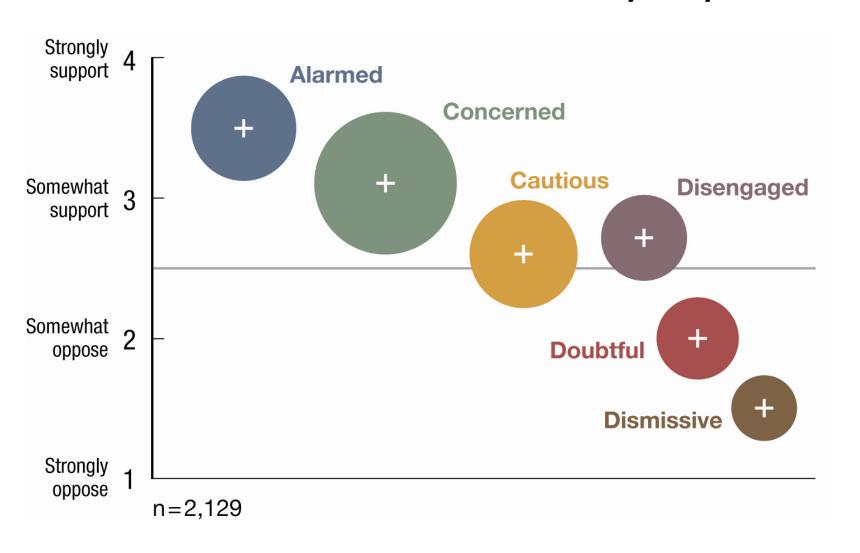
Over the past 12 months, how many times have you done each of the following?

• Written letters, emailed, or phoned government officials to urge them to take action to reduce global warming?

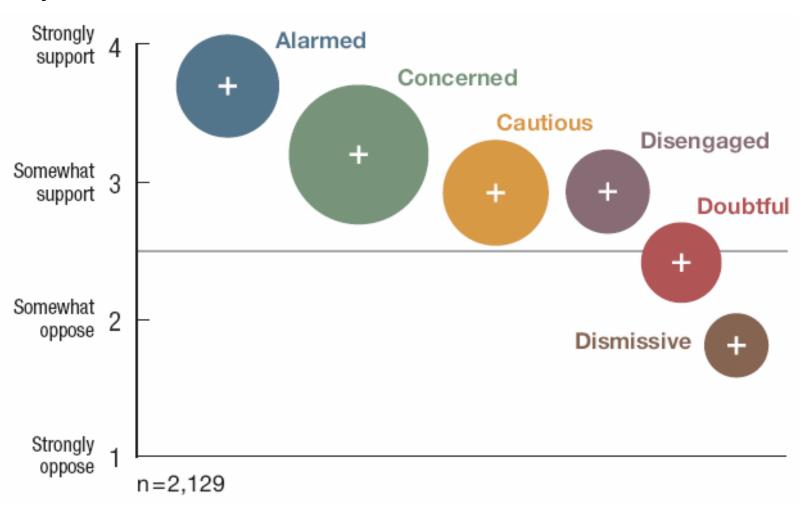


Note: Figure shows the proportion who have contacted officials one or more times over the past 12 months.

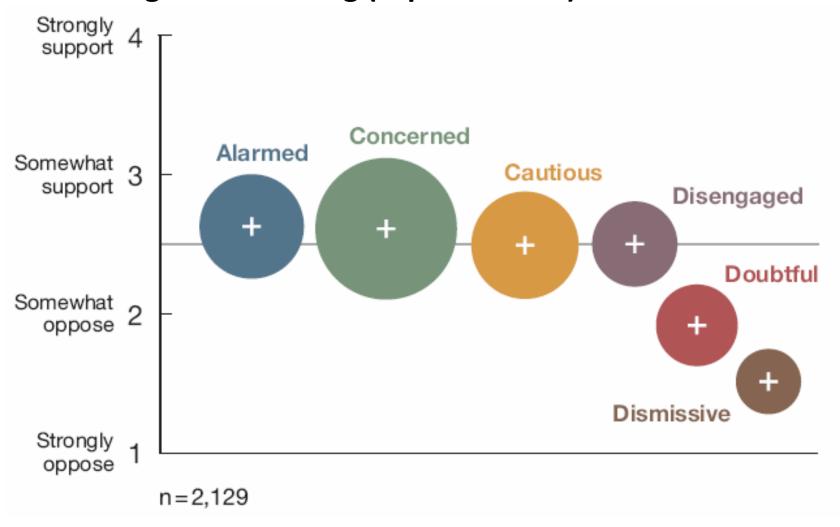
### Sign an international treaty that requires the United States to cut its emissions of carbon dioxide 90% by the year 2050



## Regulate carbon dioxide (the primary greenhouse gas) as a pollutant



Create a new national market that allows companies to buy and sell the right to emit the greenhouse gases said to cause global warming (cap and trade) ....

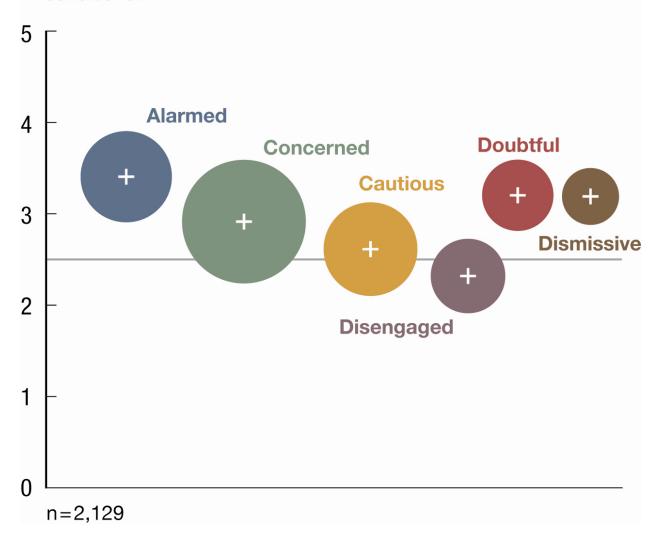


# What energy-saving actions are the Six Americas taking?

And what public policies do they support?

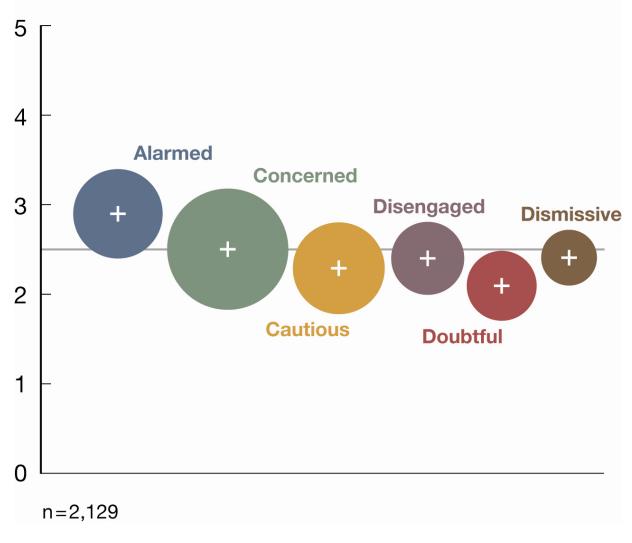
### Figure 26: Number of energy efficiency improvements made to home

Number of improvements made from the following list of five: Insulating the attic; caulking and weather-stripping the home; installation of an energy-efficient water heater; installation of an energy-efficient furnace; installation of an energy-efficient air conditioner.

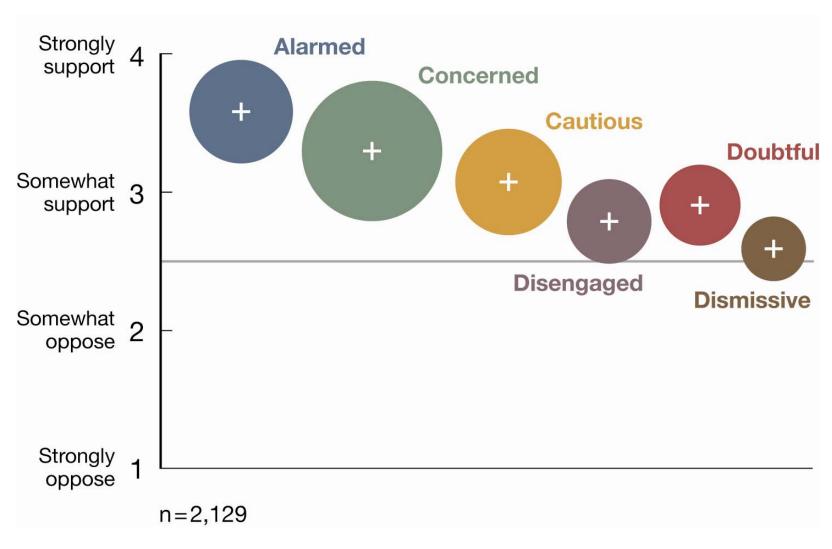


### Figure 27: Number of habitual conservation actions

Number of actions that respondent does "always" or "often" from the following list of five: turning off unneeded lights; raising the thermostat to 76 or higher or using less air conditioning in summer; lowering the thermostat to 68 or cooler in winter; walking or biking instead of driving; using public transportation or car pools.



### Provide tax rebates for people who purchase energyefficient vehicles or solar panels



Require automakers to increase the fuel efficiency of cars, trucks and SUVs to 45 mpg, even if it means that a new vehicle will cost up to \$1,000 more to buy

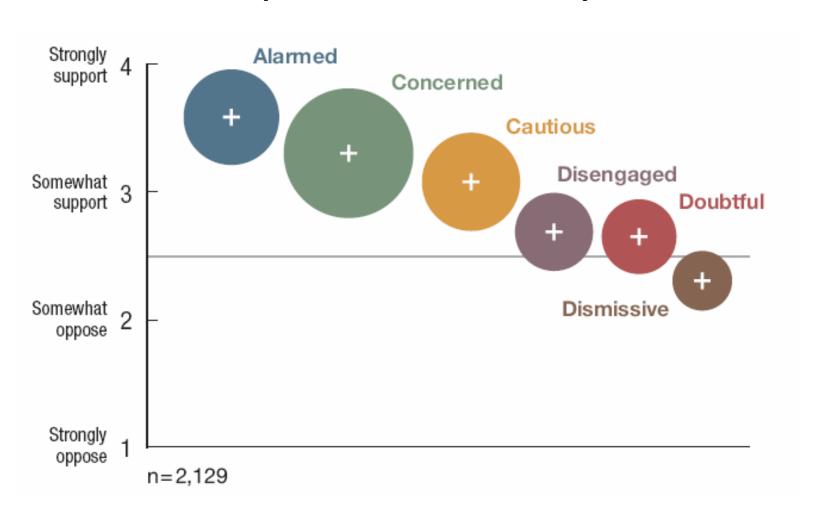


Table 12   Energy-Effi Actions and Intentions ————————————————————————————————————	1	National Au		Concerned	Cautious (190	Disengagen,	Doubtul (13	Dismissive (7%)
of the following best describes				>				
Install new insulation	Already have done this	55	60	53	49	45	71	65
in the attic	Like to/probably will <sup>2</sup>	5	8	5	5	3	3	4
iii tiio attic	Like to/probably won't 3	9	5	11	12	8	9	5
	No intention to do this	2	0	2	4	2	3	5
	Not applicable	28	27	29	29	43	15	21
Caulk and weather-strip	Already have done this	64	68	62	58	57	75	75
the home to reduce drafts	Like to/probably will 2	13	15	16	13	10	5	5
	Like to/probably won't 3	11	6	12	15	12	13	7
	No intention to do this	4	1	4	6	3	5	6
	Not applicable	8	9	6	8	18	2	7
Purchase an	Already have done this	51	56	50	50	40	56	50
energy-efficient	Like to/probably will 2	5	7	5	5	7	3	1
home furnace	Like to/probably won't 3	21	20	24	24	17	19	11
	No intention to do this	8	2	6	7	12	12	18
	Not applicable	16	15	15	14	25	10	20

Table 13   Barriers to I Energy-Efficiency Impro	4	National A.	Alamed (180)	Concerned	Cautious (1)	Disengager	Doubhu (17.6)	Dismissive (%)
There are many reasons why per Please check all of the reasons b								
Install new insulation	I can't afford it	44	58	45	42	44	37	38
in their attics	I don't know how	19	3	36	11	12	10	19
	It's too much effort	10	3	10	13	0	15	23
	I'm too busy	10	0	11	11	2	13	27
	I don't want to pay for it 2	4	0	5	2	4	5	14
	Someone would object 3	2	3	2	1	0	0	9
	Number of respondents	341	31	113	85	51	39	22
Caulk and weather-strip	I can't afford it	28	21	30	22	33	38	33
their homes to reduce drafts	I don't know how	21	19	20	25	18	21	13
	It's too much effort	14	15	12	14	7	19	29
	I'm too busy	12	2	12	16	7	17	25
	I don't want to pay for it 2	4	7	1	5	0	9	8
	Someone would object 3	3	0	3	1	8	0	0
	Number of respondents	478	58	152	108	83	53	24
Purchase an energy-efficient	I can't afford it	42	41	46	43	29	44	41
home furnace	I don't need a new one yet	29	25	28	34	18	33	48
	I don't want to pay for it 2	5	2	3	7	3	9	9
	It's too much effort	2	1	2	1	2	3	4
	I'm too busy	2	0	3	2	1	3	6
	Someone would object 3	2	4	1	2	5	0	4
	Number of respondents	788	109	260	164	122	80	53

**Table 15** | Barriers to Energy Conservation Actions: *Home Cooling and Heating* 

There are many reasons why people don't set the thermostat							
76 degrees or warmer or use less air conditioning in the sum	mer.						
Please check all of the reasons below that apply to you. 1							
I'm already doing this as much as I can	51	52	53	49	53	49	53
I prefer my home to be cooler than 76 degrees in summer	23	17	20	26	27	26	24
I don't have air conditioning	15	21	16	15	7	18	11
Someone else in my home would object	8	8	9	8	9	7	8
I can't set an exact temperature on my AC unit	5	5	5	4	7	4	2
It's too inconvenient	1	1	1	1	0	1	1
I don't think it's important	1	0	1	2	1	2	3
I don't know how to set my thermostat	1	0	1	2	3	1	3
I'm too busy	1	0	0	0	3	1	0
Number of respondents	1,618	262	530	302	194	198	132
There are many reasons why people don't set the thermostat	t						
to 68 degrees or cooler in the winter. Please check all of the reasons below that apply to you. 1							
I'm already doing this as much as I can	57	63	57	51	57	61	57
I prefer my home to be warmer than 68 degrees in winter	26	20	26	31	24	31	24
Someone else in my home would object	9	9	11	10	3	8	16
I don't have a thermostat	6	11	7	7	3	4	1
I can't control my thermostat	4	4	4	3	12	1	0
It's too hard to remember	2	1	1	5	4	1	2
I don't think it's important	2	0	1	4	3	2	4
It's too inconvenient	1	1	2	2	0	1	1
I'm too busy	1	0	1	0	3	0	1
I don't know how to set my thermostat	0	0	0	0	3	0	0

**Table 16** | Benefits of Energy Conservation: *Home Cooling and Heating* 

There are many reasons why people set the thermodegrees or warmer or use less air conditioning in the							
Please check all the reasons below that make you							
It saves me money	87	88	93	81	74	93	95
It saves energy	82	97	81	79	65	81	58
It helps reduce global warming	38	68	43	29	12	7	(
It's the moral thing to do	24	42	18	22	16	26	Č
It makes me feel good about myself	23	37	21	25	7	7	11
Someone asked me to	12	15	5	15	11	22	21
People I care about are doing it	10	14	8	12	7	7	5
Other people approve when I do it	6	12	2	11	5	4	0
Ali mahan af maan an damta	477	110	172	92	57	27	19
Number of respondents	477	****		-			
<u> </u>							
There are many reasons why people set the thermo	estat						
There are many reasons why people set the thermotors to 68 degrees or cooler in the winter. Please check	estat						
There are many reasons why people set the thermotors to 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this. 1	estat all				79	88	94
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money	estat all 89	95	91	86	79 55	88 69	
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy	estat all 89 81	95 98	91 84	86 79	55	88 69	65
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy It helps reduce global warming	estat all 89 81 34	95 98 68	91 84 35	86 79 25	55 12	69 0	65 0
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy It helps reduce global warming It's the moral thing to do	estat all 89 81 34 24	95 98 68 47	91 84 35 17	86 79 25 25	55 12 9	69 0 19	65 0
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy It helps reduce global warming It's the moral thing to do It makes me feel good about myself	estat all 89 81 34 24 22	95 98 68 47 36	91 84 35 17 22	86 79 25 25 23	55 12 9 3	69 0 19 9	65 0 0 12
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy It helps reduce global warming It's the moral thing to do	estat all 89 81 34 24	95 98 68 47 36 13	91 84 35 17	86 79 25 25 23 8	55 12 9	69 0 19	65 0 0 12 6
There are many reasons why people set the thermoto 68 degrees or cooler in the winter. Please check the reasons below that make you want to do this.   It saves me money It saves energy It helps reduce global warming It's the moral thing to do It makes me feel good about myself People I care about are doing it	estat all 89 81 34 24 22 7	95 98 68 47 36	91 84 35 17 22 7	86 79 25 25 23	55 12 9 3 1	69 0 19 9	94 65 0 12 6 0

The essence of social marketing: Offering people products, services and ideas that....

Make their lives easy

Make their lives fun

Make them feel popular



### Easy



Albert Bandura

### Easy products/services/ideas:

- increase our self-efficacy
- reduce external barriers to action

#### Fun



<u>Everett</u>

Fun products/services/ideas offer:

- positive consequences
- desired benefits

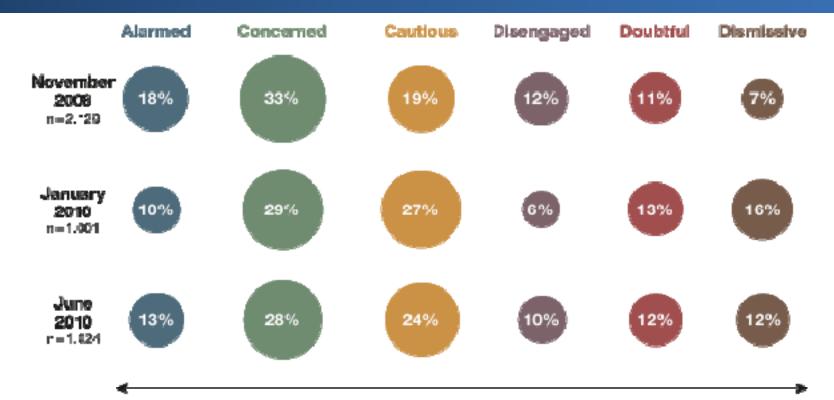
Popular Rogers



Robert Cialdini

Popular products & services:

- exert a positive social norm
- elicit positive social reinforcement



Lighest Belief in Global Warming Most Goncerned Most Motivated Lowest Delief in Global Warming Least Concerned Least Motivated

Propositive represented by year.













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