

CLIMATE CHANGE IN THE AMERICAN MIND

September 2021



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Table of Contents

Introduction	2
Executive Summary	3
1. Global Warming Beliefs	5
2. Emotional Responses to Global Warming	10
3. Perceived Risks of Global Warming.....	12
4. Personal and Social Engagement with Global Warming.....	15
5. Efficacy Beliefs.....	20
6. Impacts of Global Warming.....	23
7. How Americans Conceptualize Global Warming	30
Appendix I: Data Tables	31
Appendix II: Survey Method	107
Appendix III: Sample Demographics	109

Introduction

This report is based on findings from a nationally representative survey – Climate Change in the American Mind – conducted by the [Yale Program on Climate Change Communication](https://climatecommunication.yale.edu) (climatecommunication.yale.edu) and the [George Mason University Center for Climate Change Communication](https://climatechangecommunication.org) (climatechangecommunication.org). Interview dates: September 10 – 20, 2021. Interviews: 1,006 adults (18+). Average margin of error for registered voters: +/- 3 percentage points at the 95% confidence level. The research was funded by the 11th Hour Project, the Energy Foundation, the MacArthur Foundation, and the Grantham Foundation.

Principal Investigators:

Anthony Leiserowitz, PhD
Yale Program on Climate Change Communication

Edward Maibach, MPH, PhD
George Mason University Center for Climate Change Communication

Seth Rosenthal, PhD
Yale Program on Climate Change Communication

John Kotcher, PhD
George Mason University Center for Climate Change Communication

For all media and other inquiries, please email:

Yale Program on Climate Change Communication:

Lisa Fernandez (lisa.fernandez@yale.edu) and (jon.ozaksut@yale.edu)

George Mason University Center for Climate Change Communication:

Edward Maibach (emaibach@gmu.edu) and John Kotcher (jkotcher@gmu.edu)

Cite as:

Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Carman, J., Neyens, L., Marlon, J., Lacroix, K., & Goldberg, M. (2021). *Climate Change in the American Mind, September 2021*. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

Executive Summary

Drawing on a nationally representative survey ($n = 1,006$), this report describes Americans' beliefs and attitudes about global warming. The survey was fielded from September 10 – 20, 2021. This report builds on two previous reports based on data from this same survey that focused on [public support for U.S. domestic climate policy](#) and [public support for international climate action](#). The numbers in the Executive Summary that are noted with an asterisk (*) are at an all-time highs since our surveys began in 2008 or since they were first asked (see data tables for details). Among the key findings of this report:

Global Warming Beliefs

- Americans who think global warming is happening outnumber those who think it is not happening by a ratio of more than 6 to 1 (76%* versus 12%). Those who are "very" or "extremely" sure global warming is happening outnumber those who are "very" or "extremely" sure it is not by about 8 to 1 (57%* versus 7%).
- Six in ten Americans (60%) understand that global warming is mostly human-caused. About one in four (27%) think it is due mostly to natural changes in the environment.
- A majority of Americans (59%*) understand that most scientists think global warming is happening. However, only about one in four (24%*) understand how strong the level of consensus among scientists is (i.e., that more than 90% of climate scientists think human-caused global warming is happening).

Emotional Responses to Global Warming

- Seven in ten Americans (70%*) say they are at least "somewhat worried" about global warming. One in three (35%*) say they are "very worried."
- About two in three Americans (66%) say they feel "interested" when thinking about global warming. More than half (54%) say they feel "disgusted." Four in ten or more say they feel "angry" (47%), outraged (45%), or hopeful (42%).

Perceived Risks of Global Warming

- More than half of Americans (55%*) think people in the United States are being harmed by global warming "right now," and about half (52%*) say they have personally experienced the effects of global warming.
- Half of Americans (50%*) think they will be harmed by global warming, and more than half think their family (55%) and people in their community (57%) will be harmed. Even larger majorities think global warming will harm people in the U.S. (68%*), the world's poor (70%), people in developing countries (71%), future generations of people (74%), and plant and animal species (76%*).

Personal and Social Engagement with Global Warming

- About six in ten Americans (61%) say they "rarely" or "never" discuss global warming with family and friends, while about four in ten (39%) say they do so "occasionally" or "often."
- More than half of Americans (57%*) say they hear about global warming in the media at least once a month. Fewer (24%) say they hear people they know talk about global warming at least once a month.

- About seven in ten Americans (71%) say the issue of global warming is either "extremely," "very," or "somewhat" important to them personally, while one in three (29%) say it is either "not too" or "not at all" personally important.
- Fewer than half of Americans think their friends and family expect them to take action, or take action themselves, on global warming: 43% think it is at least "moderately" important to their family and friends that they take action (an injunctive norm). Fewer (38%) say their family and friends make at least "a moderate amount of effort" to reduce global warming (a descriptive norm).
- About seven in ten Americans (69%*) feel a personal sense of responsibility to help reduce global warming.

Efficacy Beliefs

- Two in three Americans (67%) disagree with the statement "it's already too late to do anything about global warming," while only 12% agree.
- About six in ten Americans (61%) disagree with the statement "the actions of a single individual won't make any difference in global warming," while about four in ten (39%) agree.
- Americans are split about whether they think "new technologies can solve global warming without individuals having to make big changes to their lives" (48% agree; 52% disagree).

Impacts of Global Warming

- Seven in ten Americans (70%*) think global warming is affecting weather in the United States, including 43%* who think weather is being affected "a lot."
- Large majorities of Americans think global warming is affecting many environmental hazards in the United States including extreme heat (77%), wildfires (76%), droughts (75%), air pollution (74%), rising sea levels (73%), flooding (73%), hurricanes (72%), and water shortages (72%). More than six in ten think global warming is affecting reduced snowpack (69%), tornadoes (68%), agricultural pests and diseases (67%), water pollution (66%), and electricity power outages (66%).
- About seven in ten Americans (71%*) agree either "strongly" (38%*) or "somewhat" (33%) that wildfires have increased around the world as a result of global warming.
- A majority of Americans (64%*) think extreme weather poses either a "high" (20%*) or "moderate" (43%*) risk to their community over the next 10 years.
- A majority of Americans are worried about harm from a range of environmental hazards in their local area including air pollution (76%*), extreme heat (76%*), electricity power outages (75%), water pollution (73%), droughts (68%*), agricultural pests and diseases (66%*), water shortages (64%*), flooding (62%*), tornados (58%*), and wildfires (52%*).

How Americans Conceptualize Global Warming

- Majorities of Americans think global warming is an environmental issue (79%), a scientific issue (74%), a severe weather issue (69%*), an agricultural issue (66%), an economic issue (66%*), a health issue (64%*), a political issue (60%), and/or a humanitarian issue (60%).

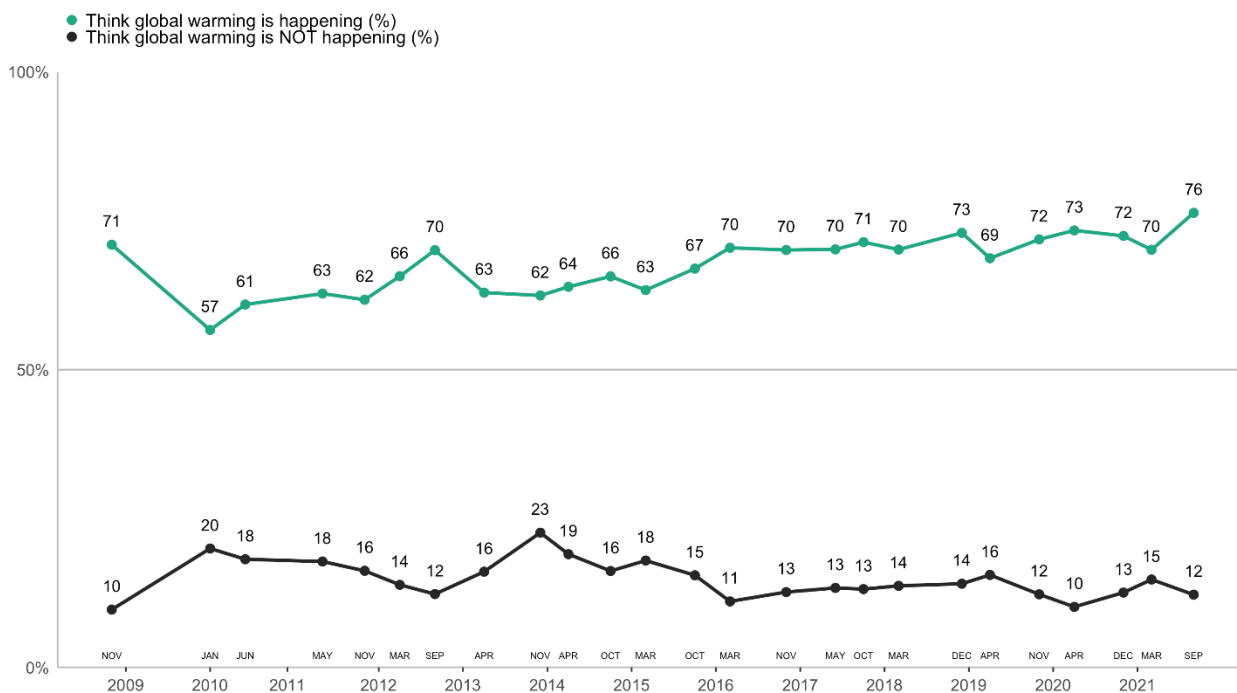
1. Global Warming Beliefs

1.1. About three in four Americans think global warming is happening.

Americans who think global warming is happening outnumber those who think it is not happening by a ratio of more than 6 to 1.

About three in four Americans (76%) think global warming is happening, the highest percentage since our surveys began in 2008. By contrast, 12% of Americans think global warming is not happening.

About three in four Americans think global warming is happening



Do you think global warming is happening?

September 2021



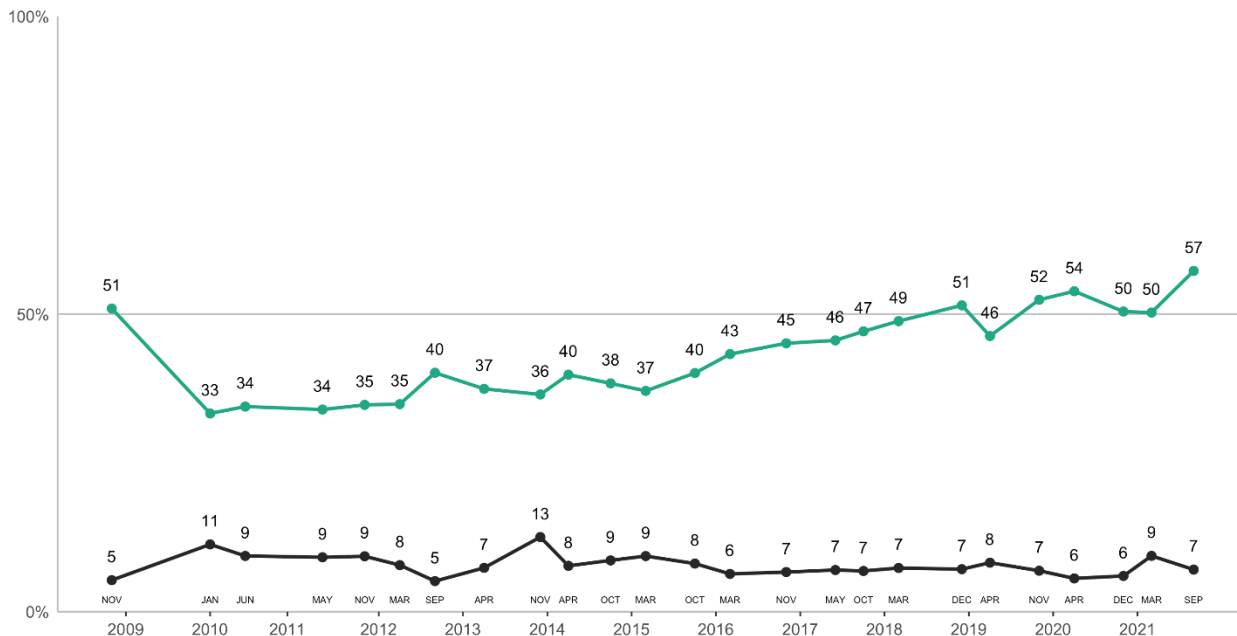
1.2. More than half of Americans are "extremely" or "very" sure global warming is happening. Very few are as sure it isn't happening.

More than half of Americans (57%) are either "extremely" or "very" sure global warming is happening, the highest percentage since our surveys began in 2008. Far fewer (7%) are "extremely" or "very" sure global warming is not happening.

Over the last five years (since our November 2016 survey), the percentage of Americans who are "extremely" or "very" sure global warming is happening has increased by 12 percentage points.

More than half of Americans are "extremely" or "very" sure global warming is happening

- Extremely/Very sure global warming is happening (%)
- Extremely/Very sure global warming is NOT happening (%)



How sure are you that global warming is/is not happening?
September 2021



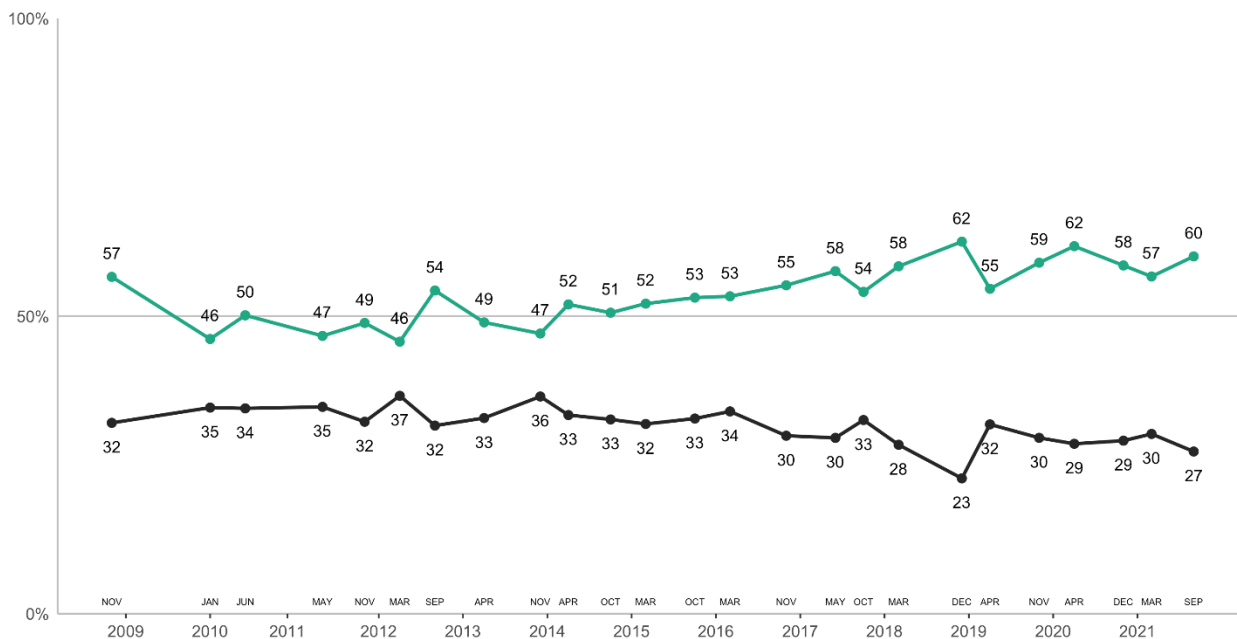
1.3. Six in ten Americans think global warming is mostly human-caused.

The Intergovernmental Panel on Climate Change's Sixth Assessment [report](#) (2021), written and reviewed by thousands of climate experts worldwide, states: "It is unequivocal that human influence has warmed the atmosphere, ocean and land."¹

Six in ten Americans (60%) understand that global warming is mostly human-caused. By contrast, about one in four (27%) think it is due mostly to natural changes in the environment.

Six in ten Americans think global warming is mostly human-caused

- Think global warming is caused mostly by human activities (%)
- Think global warming is caused mostly by natural changes in the environment (%)



Assuming global warming is happening, do you think it is...
September 2021



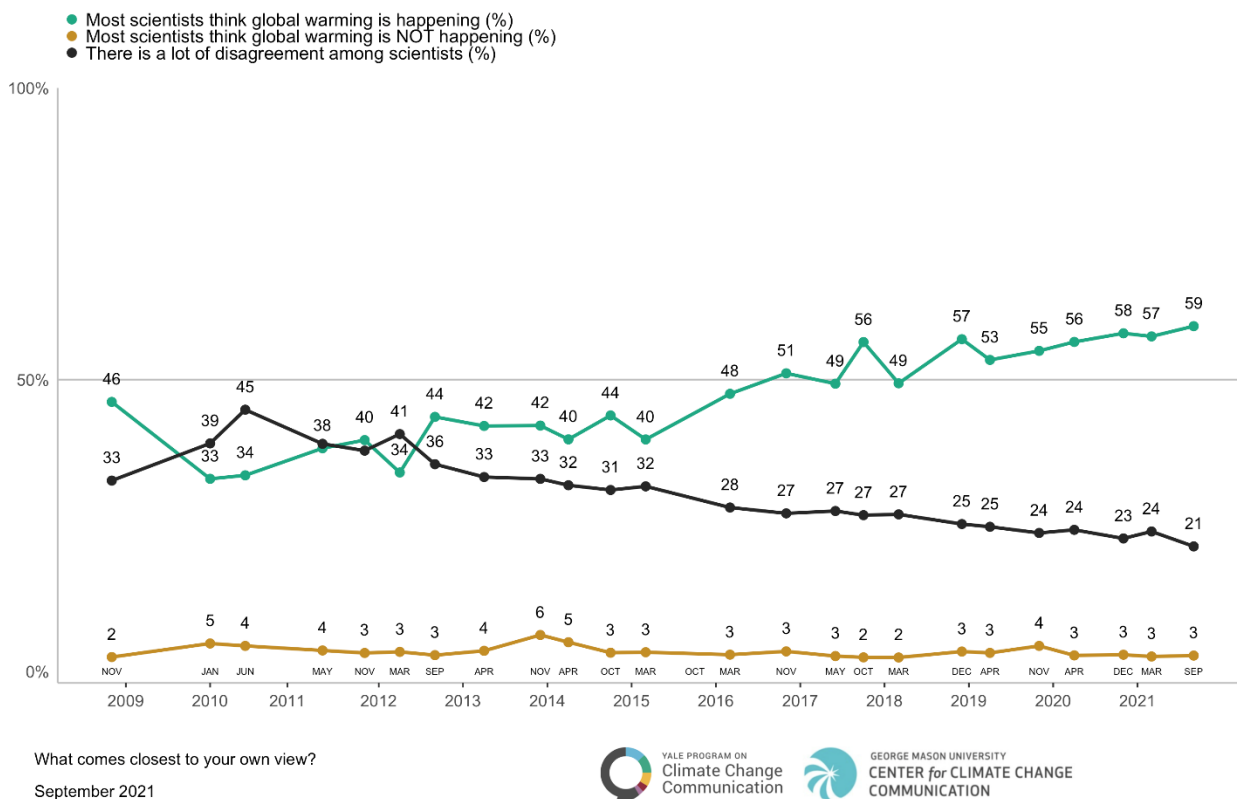
¹ [Intergovernmental Panel on Climate Change. \(2021\): Summary for Policymakers](#). In Masson-Delmotte, V., Zhai, P., Pirani, A., Connors, S. L., Péan, C., Berger, S., Caud, N., Chen, Y., Goldfarb, L., Gomis, M. I., Huang, M., Leitzell, K., Lonnoy, E., Matthews, J. B. R., Maycock, T. K., Waterfield, T., Yelekçi, O., Yu, R., & Zhou, B. (eds.), *Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge University Press.

1.4. A majority of Americans understand that most scientists think global warming is happening.

A 2016 review by John Cook and colleagues² found that six independent, peer-reviewed studies examining the extent of the scientific consensus about global warming have concluded that between 90% and 100% of climate scientists are convinced that human-caused global warming is happening. Two even more recent studies found that more than 99% of climate scientists are convinced that global warming is happening and human-caused.^{3,4}

A majority of Americans (59%) understand that most scientists think global warming is happening – the highest percentage since our surveys began in 2008. By contrast, about one in five Americans (21%) think there is a lot of disagreement among scientists about whether or not global warming is happening – the lowest percentage since our surveys began. Very few Americans (3%) believe that most scientists think global warming is not happening.

A majority of Americans understand that most scientists think global warming is happening



² Cook, J., Oreskes, N., Doran, P. T., Anderegg, W. R. I., Verheggen, B., Maibach, E. W., Carlton, J. S., Lewandowsky, S., Skuce, A. G., Green, S. A., Nuccitelli, D., Jacobs, P., Richardson, M., Winkler, B., Painting, R., & Rice, K. (2016). Consensus on consensus: A synthesis of consensus estimates on human-caused global warming. *Environmental Research Letters*, 11(4). [doi:10.1088/1748-9326/11/4/048002](https://doi.org/10.1088/1748-9326/11/4/048002)

³ Myers, K. F., Doran, P. T., Cook, J., Kotcher, J. E., & Myers, T. A. (2021). Consensus revisited: Quantifying scientific agreement on climate change and climate expertise among Earth scientists 10 years later. *Environmental Research Letters*, 16(10). [doi:10.1088/1748-9326/ac2774](https://doi.org/10.1088/1748-9326/ac2774)

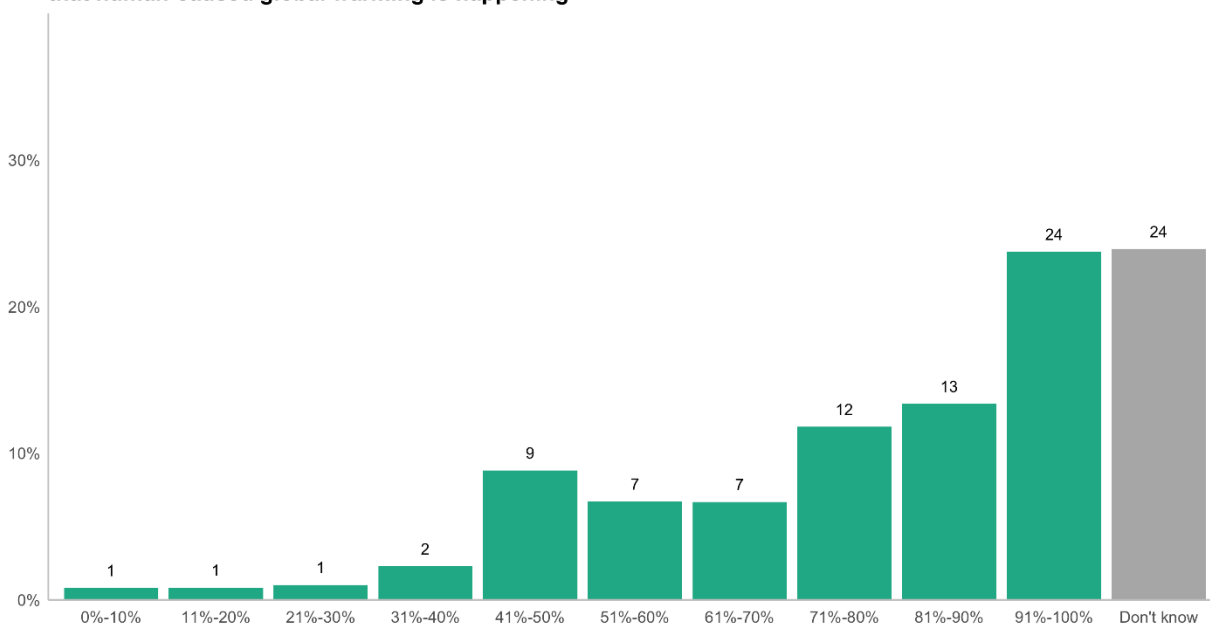
⁴ Lynas, M., Houlton, B. Z., & Perry, S. (2021). Greater than 99% consensus on human caused climate change in the peer-reviewed scientific literature. *Environmental Research Letters*, 16(11). [doi:10.1088/1748-9326/ac2966](https://doi.org/10.1088/1748-9326/ac2966)

1.5. About one in four Americans understand that almost all climate scientists (more than 90%) have concluded that human-caused global warming is happening.

Although the majority of Americans now understand that most scientists think global warming is happening, fewer understand just how strong the level of consensus among scientists is. Only about one in four Americans (24%) understand that nearly all climate scientists (more than 90%) are convinced that human-caused global warming is happening. However, that number has increased by nine percentage points over the last five years (since November 2016; see data tables).

The same percentage of Americans (24%) say they "don't know" what percentage of climate scientists think human-caused global warming is happening.⁵

About one in four Americans understand that almost all climate scientists (more than 90%) have concluded that human-caused global warming is happening



To the best of your knowledge, what percentage of climate scientists think that human-caused global warming is happening? Please click on the slider bar below to indicate your answer. You can slide the indicator to the position that best describes your opinion.

September 2021



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Public misunderstanding of the scientific consensus – which has been found in each of our surveys since 2008 – has significant consequences. Other research has identified public understanding of the scientific consensus as an important "gateway belief" that influences other important beliefs (i.e., that global warming is happening, human-caused, and worrisome) and support for action.⁶

⁵ Respondents were asked to estimate the percentage of climate scientists who have concluded that human-caused global warming is happening by moving a slider bar which appeared on the screen of their computer. This slider allowed respondents to move the marker from 0% on the left to 100% on the right, or to any whole number between the two. A "don't know" response option appeared below the slider bar.

⁶ For more information, see van der Linden, S. L., Leiserowitz, A. A., Feinberg, G. D., & Maibach, E. W. (2015). The scientific consensus on climate change as a gateway belief: Experimental evidence. *PLoS ONE*, 10(2).

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0118489>



YALE PROGRAM ON
Climate Change
Communication

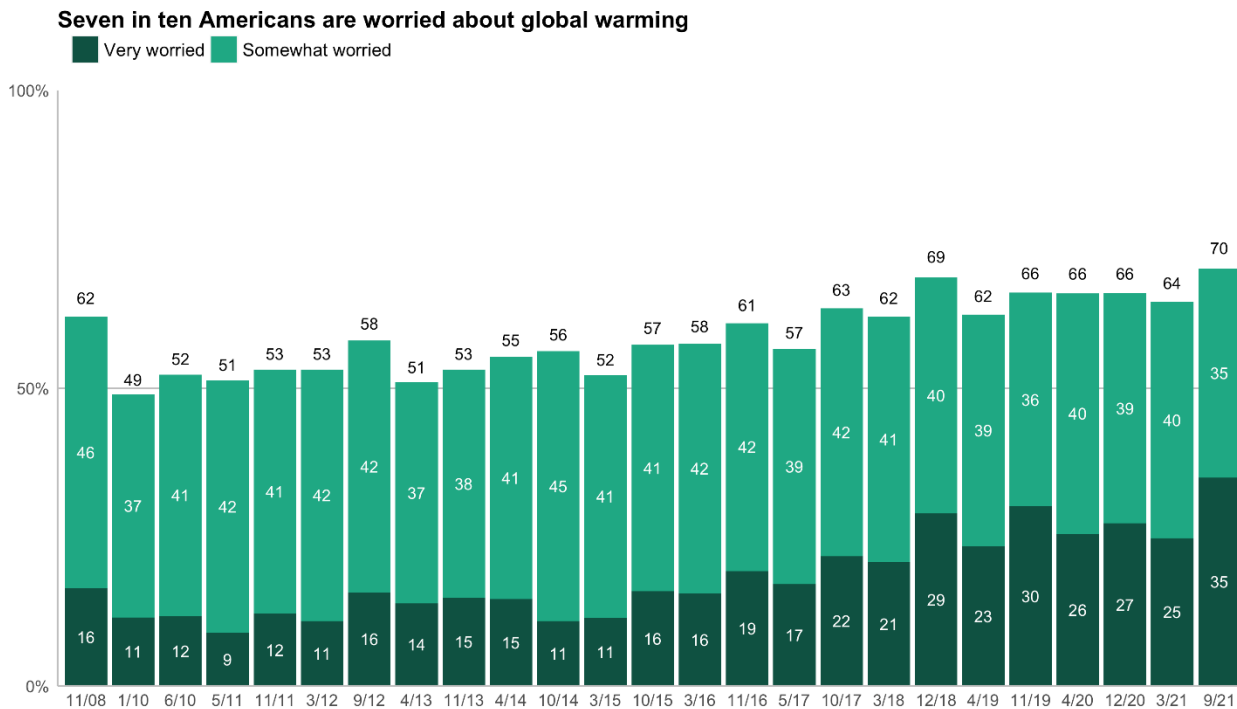


GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

2. Emotional Responses to Global Warming

2.1. Seven in ten Americans are worried about global warming.

Seven in ten Americans (70%) say they are at least "somewhat worried" about global warming, the highest percentage since our surveys began in 2008. Of those, about one in three Americans (35%) are "very worried," also the highest percentage since 2008.

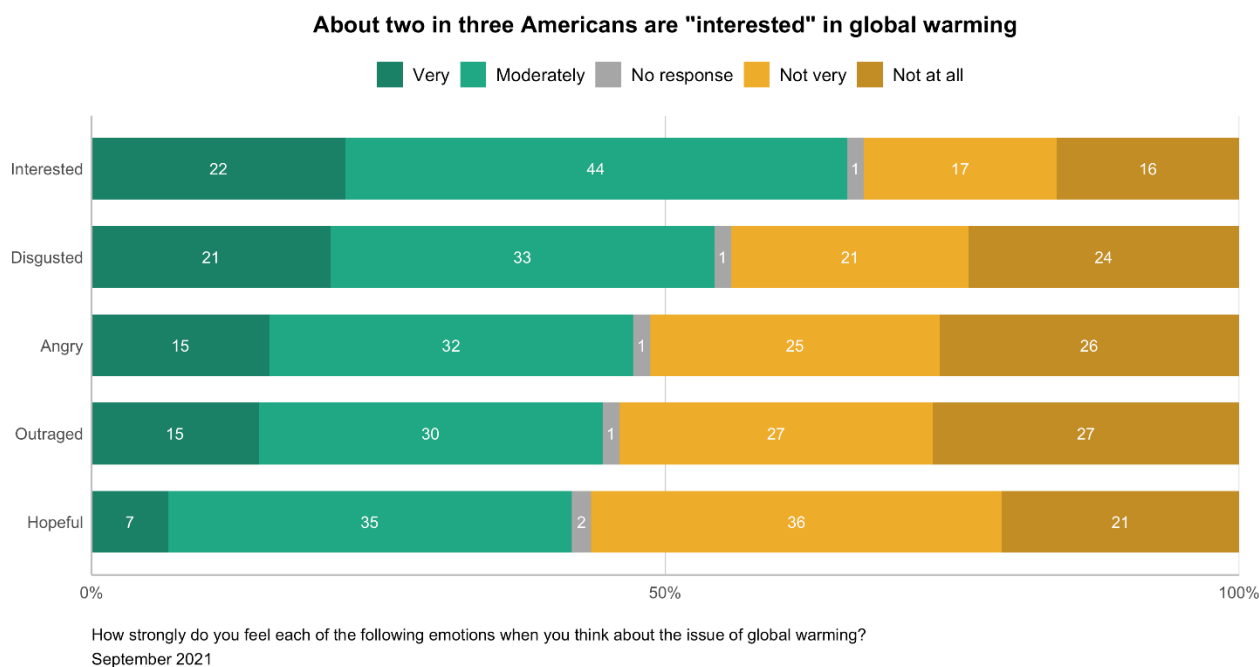


How worried are you about global warming?
September 2021



2.2. About two in three Americans are "interested" in global warming.

When asked how strongly they feel various emotions when thinking about global warming, about two in three Americans (66%) say they feel “very” or “moderately” interested. Additionally, more than half (54%) say they feel disgusted when thinking about global warming, and four in ten or more say they feel angry (47%), outraged (45%), or hopeful (42%).



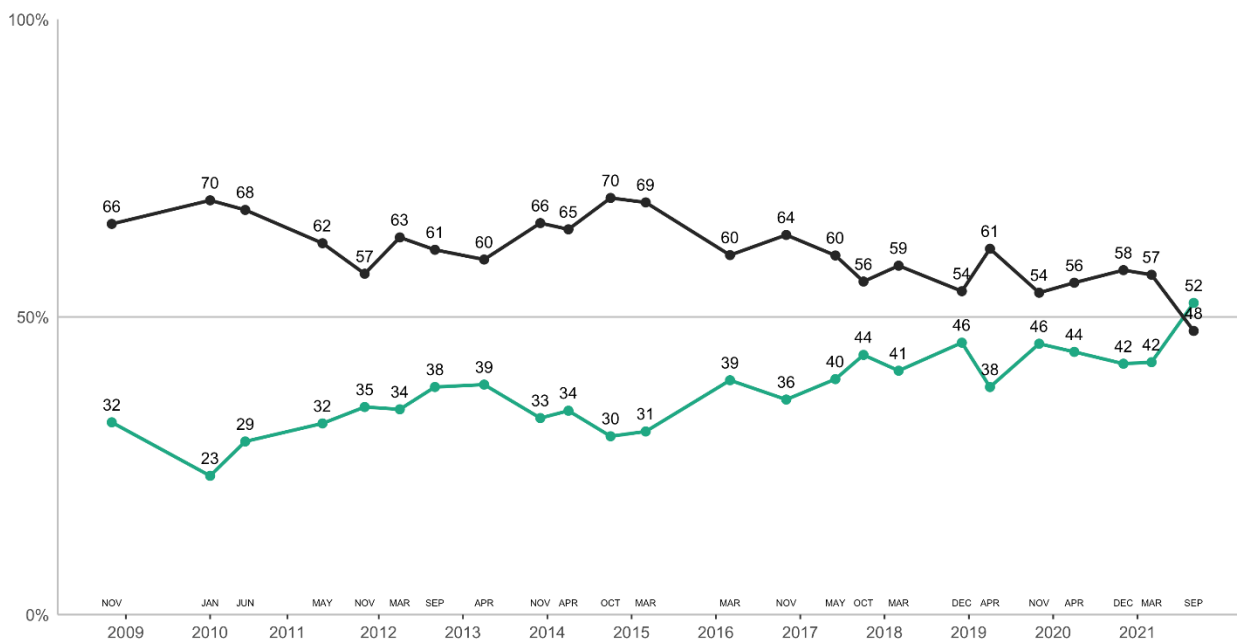
3. Perceived Risks of Global Warming

3.1. About half of Americans say they have personally experienced the effects of global warming.

About half of Americans (52%) agree that they have personally experienced the effects of global warming, while 48% disagree. This is the first time since our surveys began in 2008 that the percentage who agree that they have personally experienced the effects of global warming is equal to or greater than the percentage who disagree.

About half of Americans say they have personally experienced the effects of global warming

- Agree (Strongly/Somewhat) (%)
- Disagree (Strongly/Somewhat) (%)



How much do you agree or disagree with the following statement? I have personally experienced the effects of global warming.

September 2021



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION



YALE PROGRAM ON
Climate Change
Communication



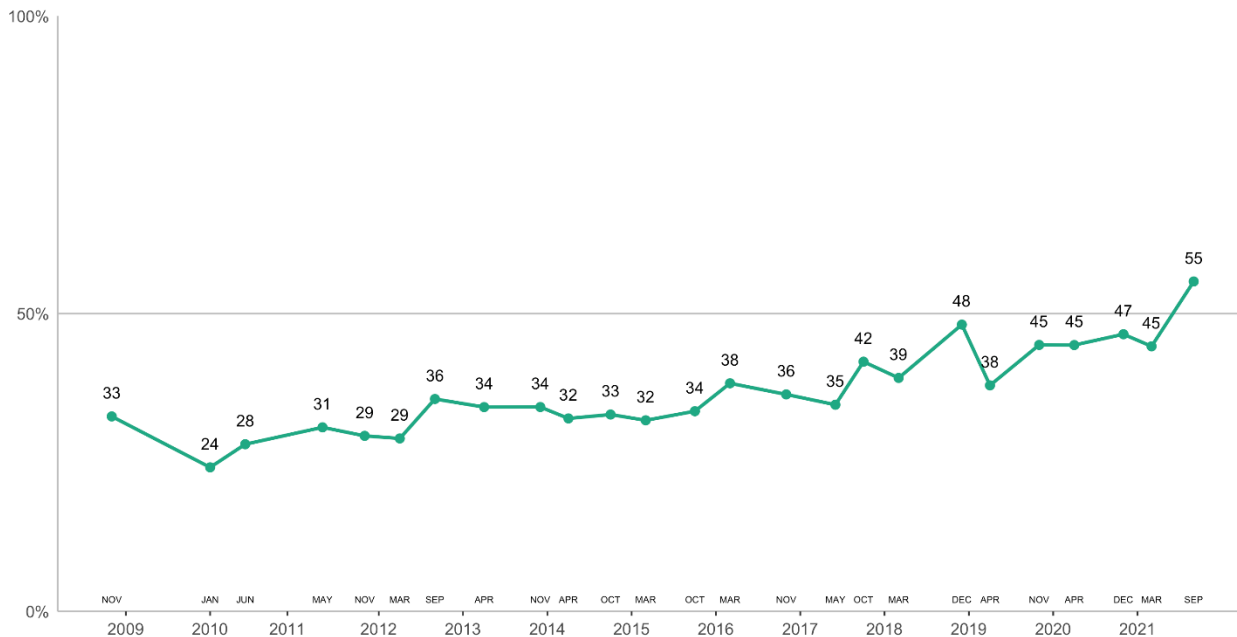
GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

3.2. More than half of Americans think people in the U.S. are being harmed "right now" by global warming.

More than half of Americans (55%) think people in the U.S. are being harmed by global warming "right now," the highest percentage since our surveys began in 2008, and the first time that percentage is higher than 50%.

More than half of Americans think people in the U.S. are being harmed "right now" by global warming

● They are being harmed right now (%)



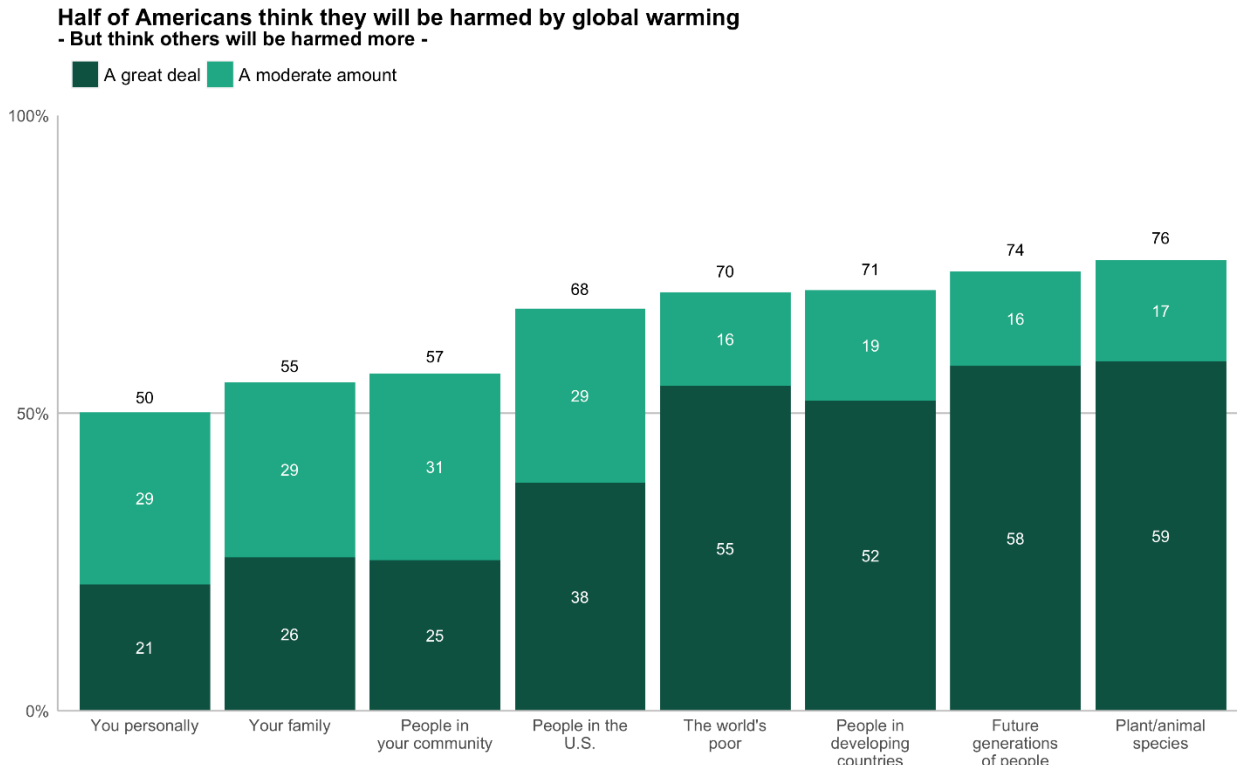
When do you think global warming will start to harm people in the United States?

September 2021



3.3. Half of Americans think they will be harmed by global warming, but think others will be harmed more.

A majority of Americans understand that global warming will cause harm. Americans are most likely to think that plant and animal species (76%), future generations of people (74%), people in developing countries (71%), the world's poor (70%), and people in the U.S. (68%) will be harmed "a great deal" or "a moderate amount" by global warming. Half or more think people in their community (57%), their family (55%), and they themselves (50%) will be harmed.



How much do you think global warming will harm...?

September 2021

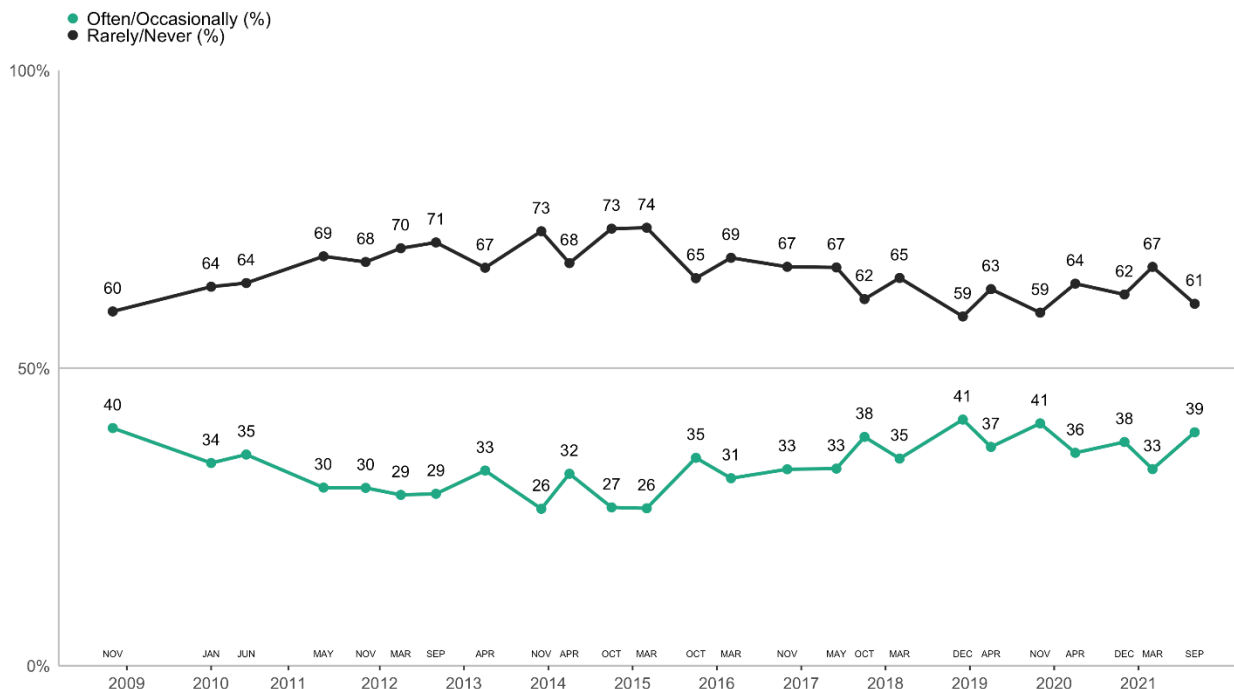


4. Personal and Social Engagement with Global Warming

4.1. Most Americans "rarely" or "never" discuss global warming with family and friends.

About six in ten Americans (61%) say they "rarely" or "never" discuss global warming with family and friends, while about four in ten (39%) say they discuss global warming "occasionally" or "often."

Most Americans "rarely" or "never" discuss global warming with family and friends



How often do you discuss global warming with your family and friends?

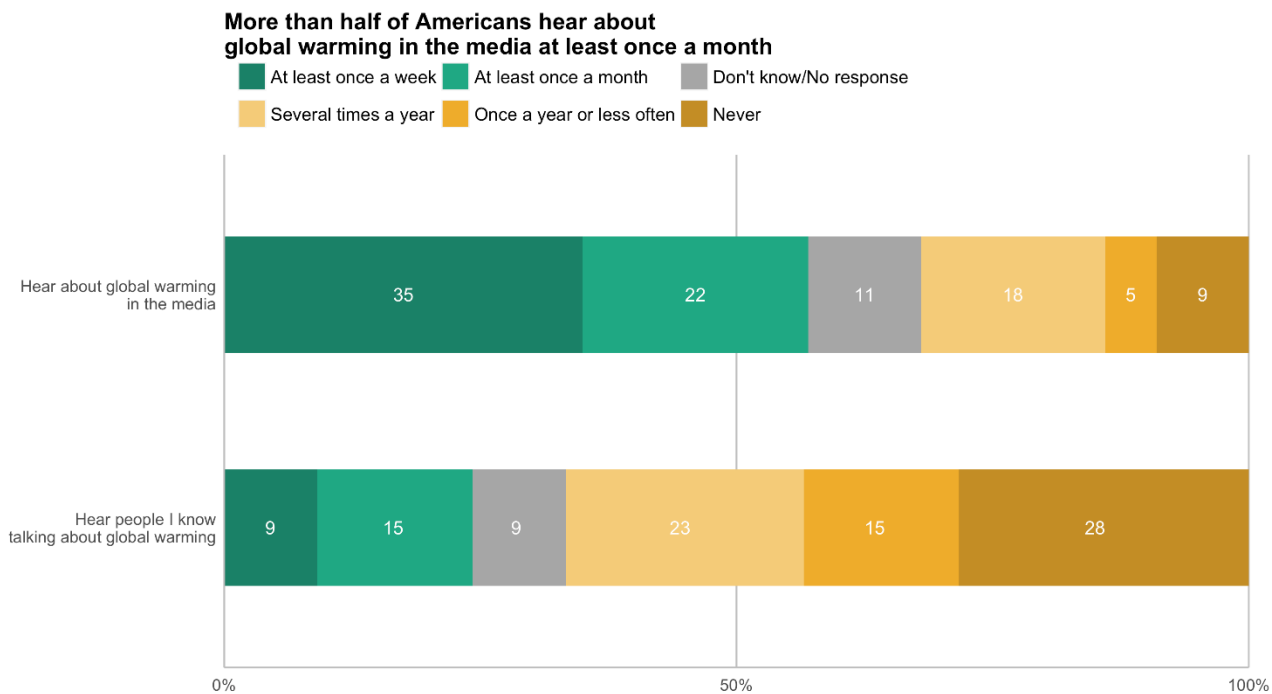
September 2021



4.2. More than half of Americans hear about global warming in the media at least once a month; fewer hear people they know talking about it at least once a month.

More than half of Americans (57%) say they hear about global warming in the media once a month or more often, while one in three (33%) say they hear about global warming in the media several times a year or less often, including nine percent who say they never hear about global warming in the media.

Only about one in four Americans (24%) say they hear people they know talk about global warming once a month or more often. In contrast, about two in three (66%) say they hear people they know talk about it several times a year or less often, including 28% who say they never hear people they know talk about global warming.



(1) About how often do you hear about global warming in the media (TV, movies, radio, newspapers/news websites, magazines, etc.)?

(2) About how often do you hear other people you know (your family, friends, co-workers, etc.) talk about global warming?

September 2021

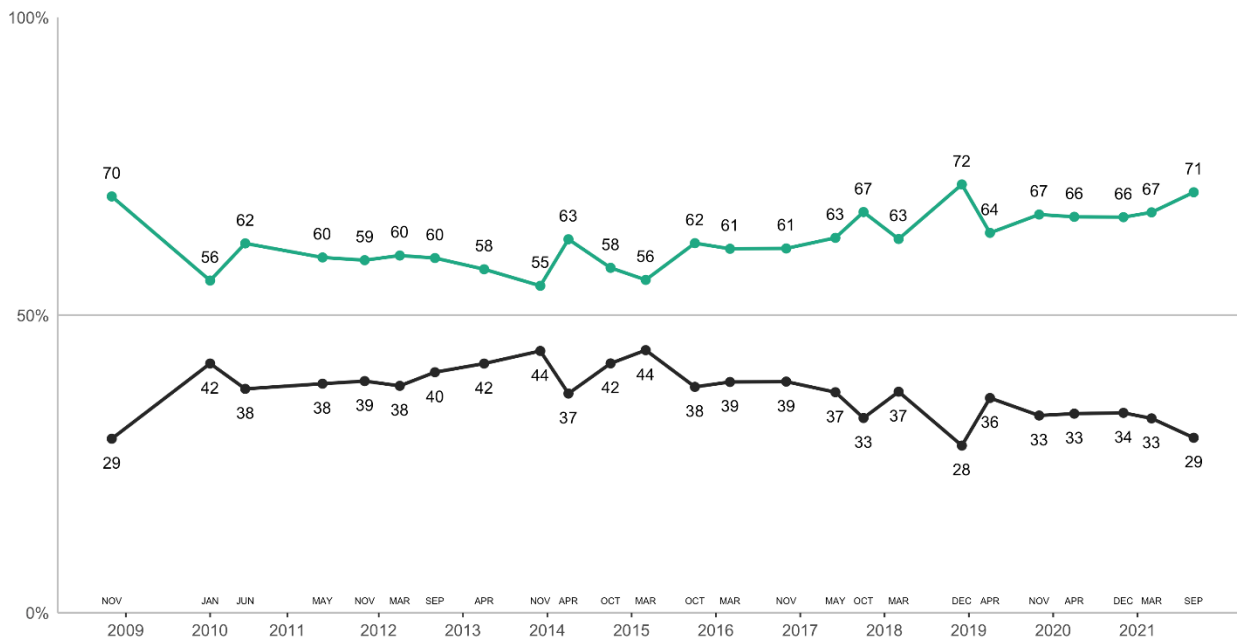


4.3. About seven in ten Americans say the issue of global warming is personally important.

About seven in ten Americans (71%) say the issue of global warming is either "extremely" (19%), "very" (24%), or "somewhat" (28%) important to them personally. About three in ten (29%) say global warming is either "not too" (15%) or "not at all" (15%) personally important.

About seven in ten Americans say the issue of global warming is personally important

- Extremely/Very/Somewhat important (%)
- Not too/Not at all important (%)



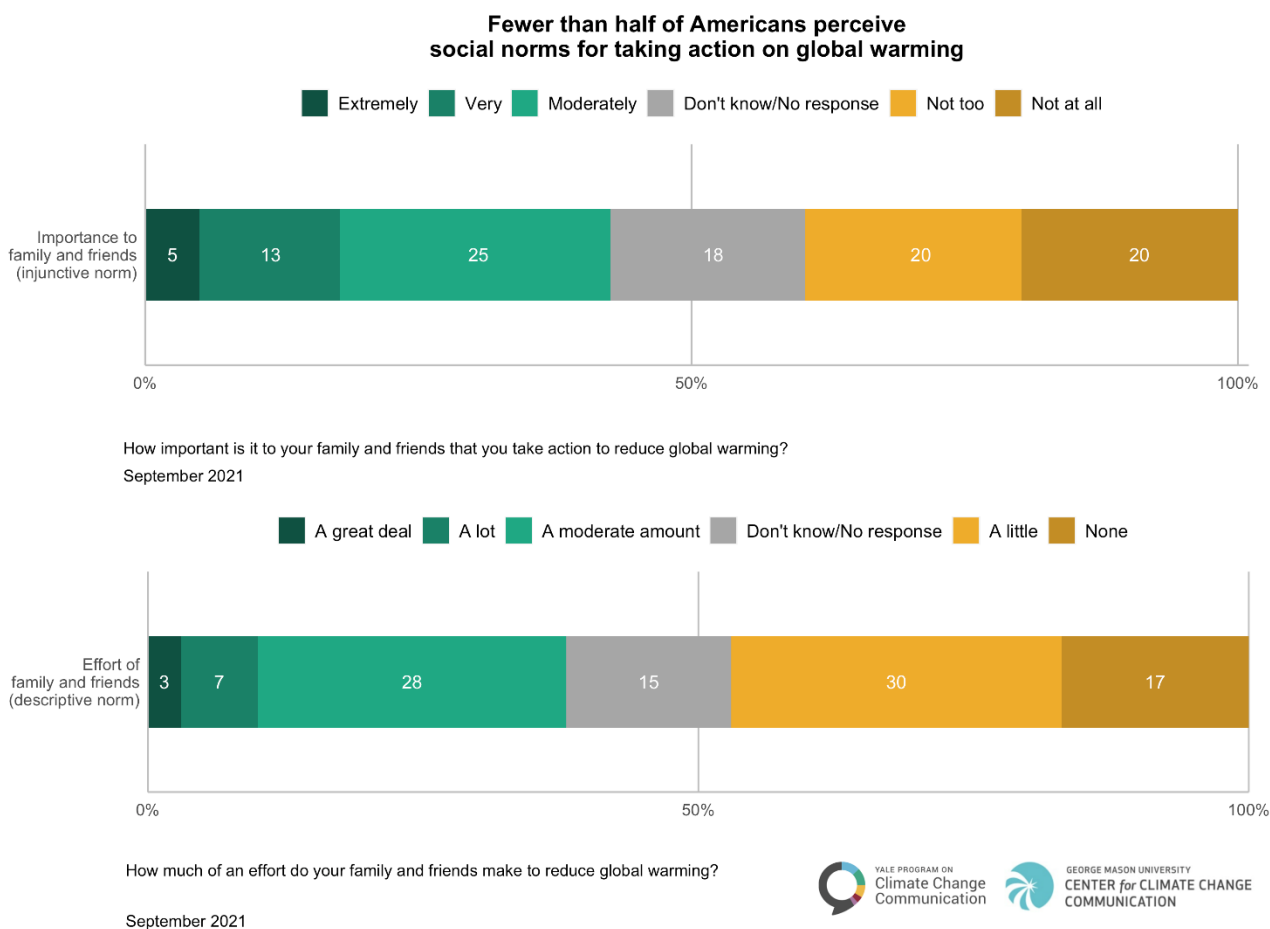
How important is the issue of global warming to you personally?
September 2021



4.4. Fewer than half of Americans perceive social norms for taking action on global warming.

Social science research has shown that two types of social norms can have a powerful influence on people's behavior: injunctive norms (the belief that friends and family expect you to behave in a given way) and descriptive norms (the belief that friends and family are themselves behaving in that way).⁷

Forty-three percent of Americans perceive an injunctive norm, saying it is either "extremely" (5%), "very" (13%), or "moderately" important (25%) to their family and friends that they take action to reduce global warming. Fewer Americans (38%) perceive a descriptive norm, saying their family and friends make either "a great deal of effort" (3%), "a lot of effort" (7%), or "a moderate amount of effort" (28%) to reduce global warming.

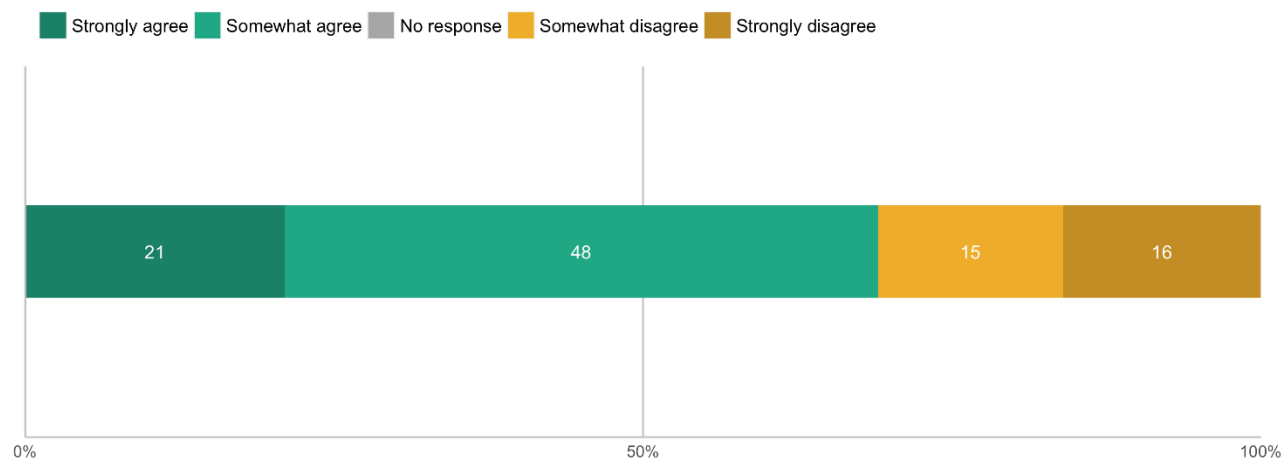


⁷ Schultz, P. W., Nolan, J. M., Cialdini, R. B., Goldstein, N. J., & Griskevicius, V. (2007). The constructive, destructive, and reconstructive power of social norms. *Psychological Science*, 18(5), 429-434.
<https://journals.sagepub.com/doi/10.1111/j.1467-9280.2007.01917.x>

4.5. About seven in ten Americans feel a personal sense of responsibility to help reduce global warming.

About two in three Americans (69%) agree either "strongly" (21%) or "somewhat" (48%) that they feel a personal sense of responsibility to help reduce global warming.

About seven in ten Americans feel a personal sense of responsibility to help reduce global warming



How much do you agree or disagree with the following statement?
I feel a personal sense of responsibility to help reduce global warming.

September 2021

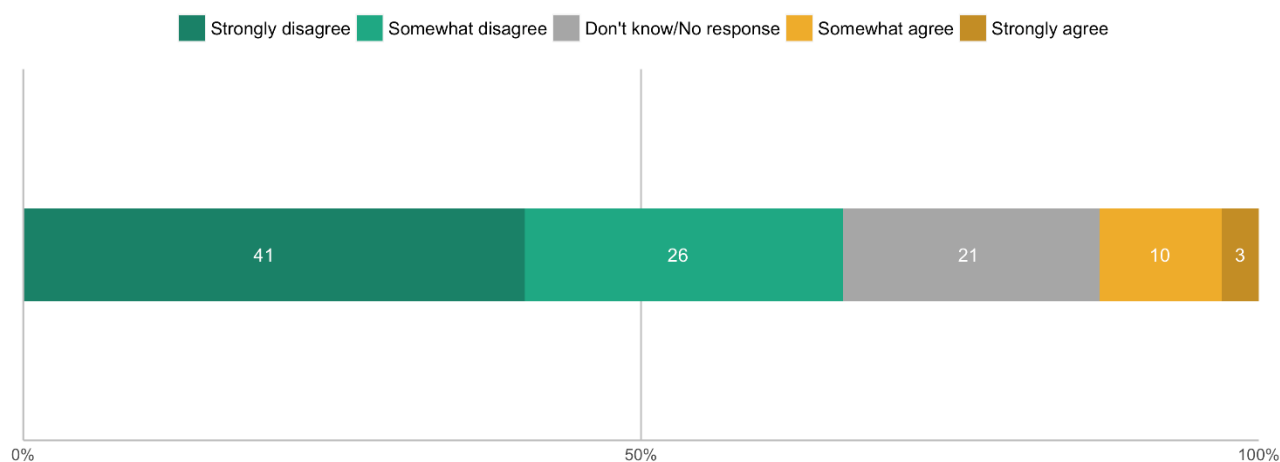


5. Efficacy Beliefs

5.1. Few Americans think it is too late to do anything about global warming.

Two in three Americans (67%) either "strongly" (41%) or "somewhat" (26%) disagree with the statement that "it's already too late to do anything about global warming." By contrast, relatively few Americans either "strongly" or "somewhat" agree with this statement.

Few Americans think it is too late to do anything about global warming



Please indicate how strongly you agree or disagree with the following statement:
It's already too late to do anything about global warming.

September 2021

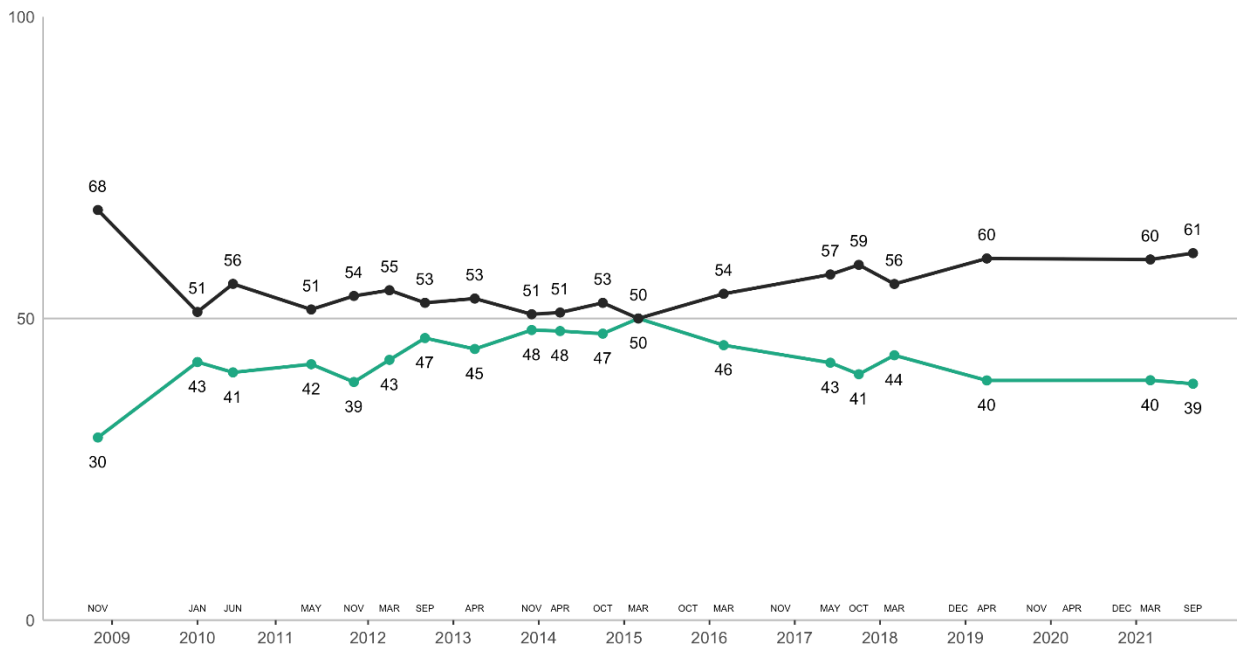


5.2. Most Americans disagree with the statement "the actions of a single individual won't make any difference in global warming."

About four in ten Americans (39%) either "strongly" (14%) or "somewhat" (25%) agree with the statement "the actions of a single individual won't make any difference in global warming." In contrast, about six in ten Americans (61%) either "strongly" (23%) or "somewhat" (38%) disagree that individual actions won't make a difference.

Most Americans disagree with the statement "the actions of a single individual won't make any difference in global warming"

- Agree that "individual actions won't make any difference" (%)
- Disagree that "individual actions won't make any difference" (%)



How much do you agree or disagree with the following statement?
The actions of a single individual won't make any difference in global warming
September 2021

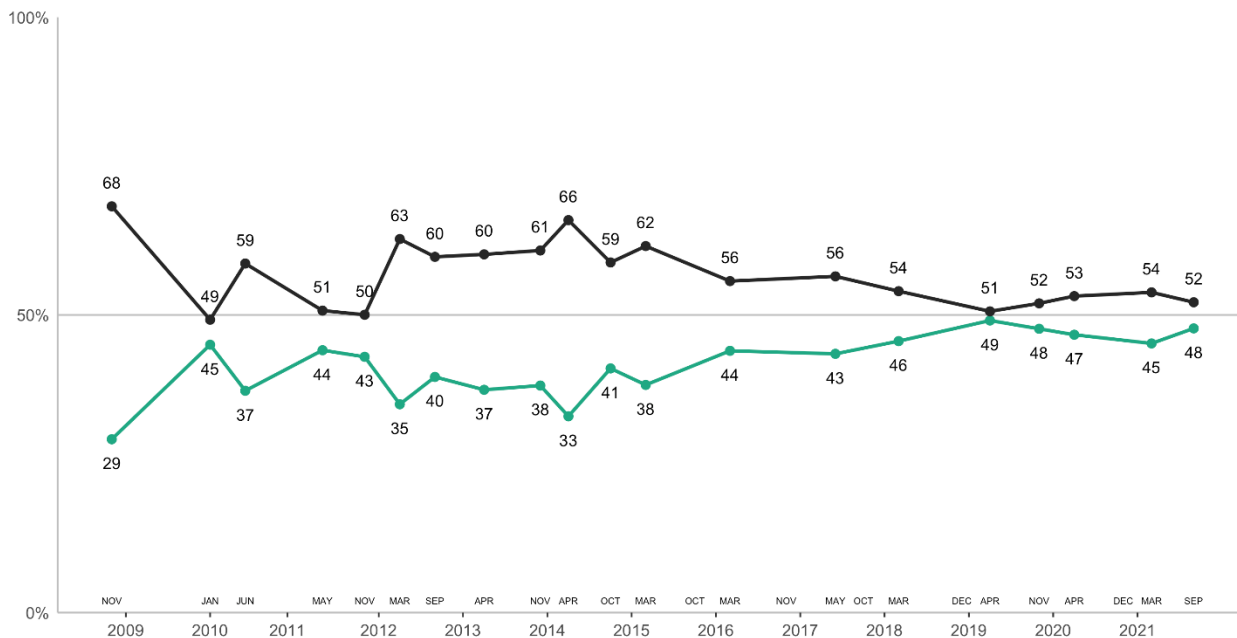


5.3. Americans are split about whether new technologies can solve global warming without individual action.

Many Americans (48%) either "strongly" or "somewhat" agree that "new technologies can solve global warming without individuals having to make big changes in their lives," while 52% of Americans either "strongly" or "somewhat" disagree.

Americans are split about whether new technologies can solve global warming without individual action

- Agree that "new technologies can solve global warming" (%)
- Disagree that "new technologies can solve global warming" (%)



How much do you agree or disagree with the following statement?
New technologies can solve global warming without individuals
having to make big changes in their lives.
September 2021



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION



YALE PROGRAM ON
Climate Change
Communication



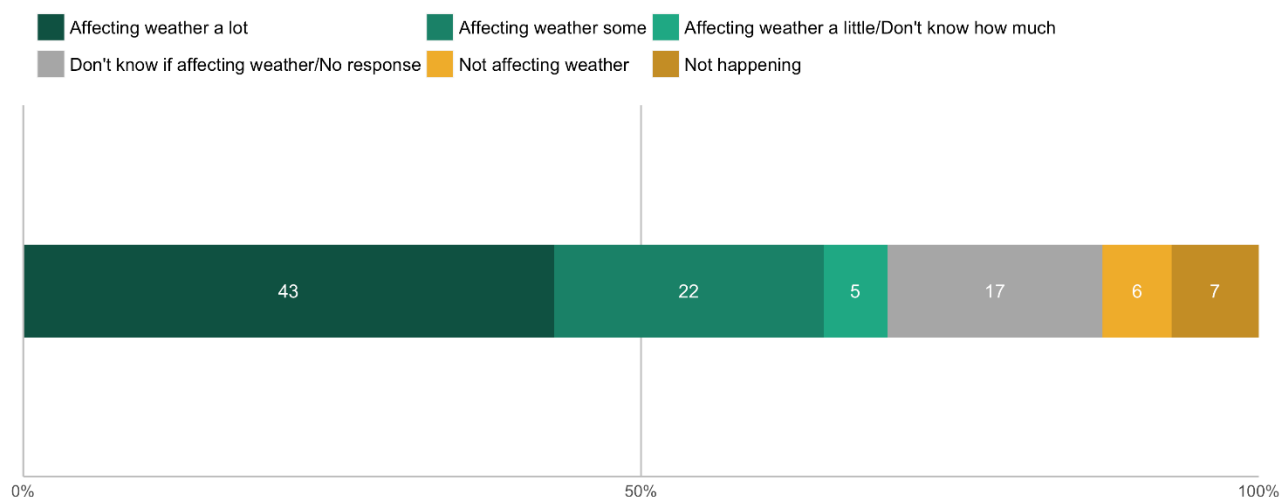
GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

6. Impacts of Global Warming

6.1. Seven in ten Americans think global warming is affecting weather in the United States.

Seven in ten Americans (70%) think global warming is affecting weather in the United States, including almost two in three (65%) who think global warming is affecting U.S. weather either "a lot" (43%) or "some" (22%).

Seven in ten Americans think global warming is affecting weather in the United States



Which statement best reflects your view? (a) Global warming is affecting weather in the U.S.; (b) Global warming is not affecting weather in the U.S.; (c) Global warming isn't happening; (d) Don't know; (e) Prefer not to answer

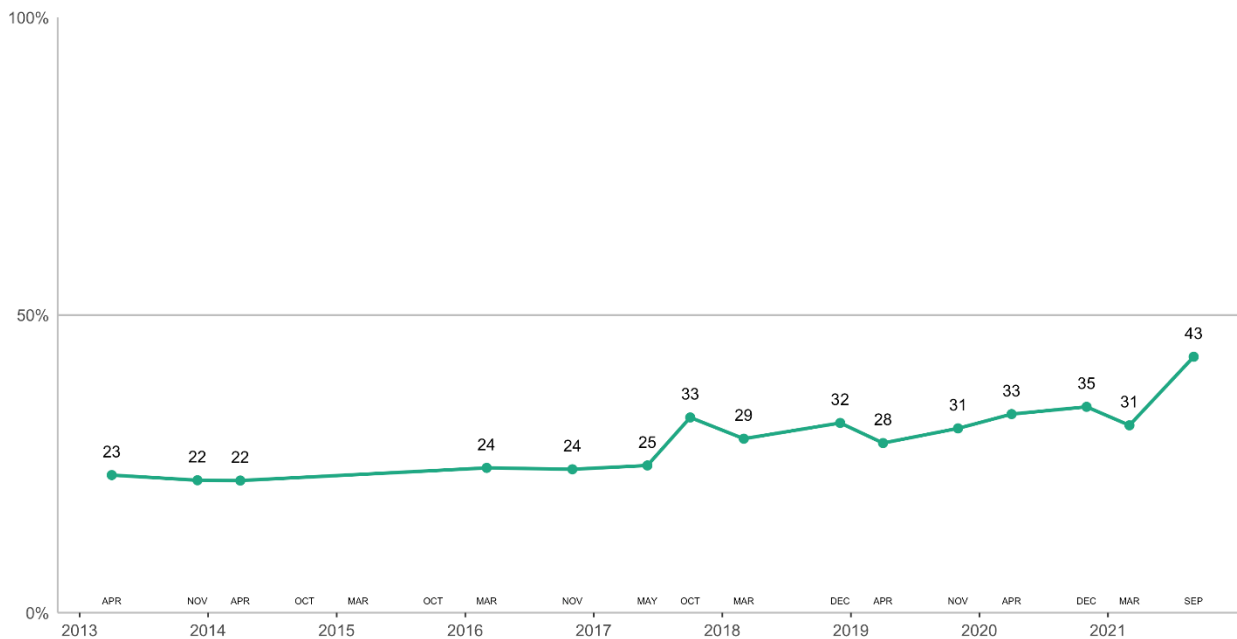
[If (a) selected]: How much do you think global warming is affecting weather in the U.S.?
September 2021



As noted above, 43% of Americans think global warming is affecting weather "a lot." The percentage of Americans who think global warming is affecting the weather "a lot" is 20 percentage points higher than when we first asked this question in April 2013.

More than four in ten Americans think global warming is affecting weather "a lot"

● Global warming is affecting weather in the U.S. "a lot"



Which statement best reflects your view? (a) Global warming is affecting weather in the U.S.; (b) Global warming is not affecting weather in the U.S.; (c) Global warming isn't happening; (d) Don't know; (e) Prefer not to answer

[If (a) selected]: How much do you think global warming is affecting weather in the U.S.?

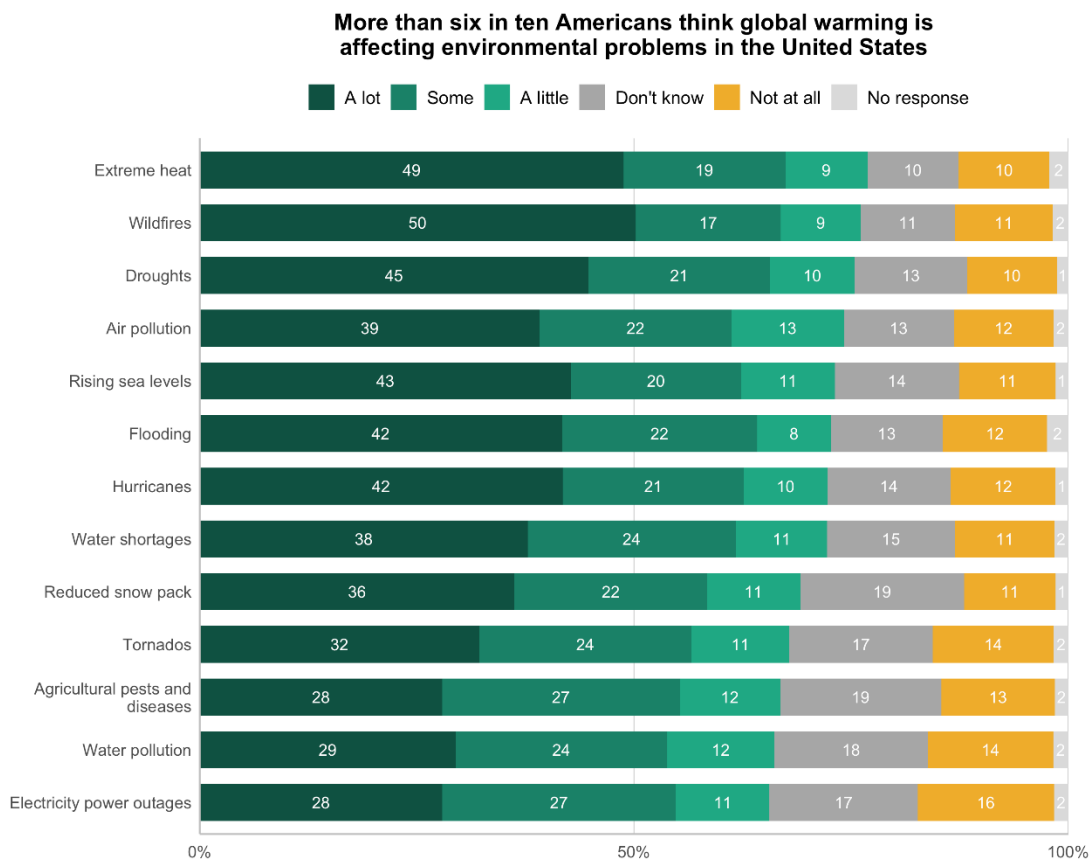
September 2021



6.2. More than six in ten Americans think global warming is affecting environmental problems in the United States.

More than six in ten Americans think global warming is affecting many environmental problems in the United States at least "a little." This includes seven in ten or more who think global warming is affecting extreme heat (77%), wildfires (76%), droughts (75%), air pollution (74%), rising sea levels (73%), flooding (73%), hurricanes (72%), and water shortages (72%). More than six in ten think global warming is affecting reduced snowpack (69%), tornadoes (68%), agricultural pests and diseases (67%), water pollution (66%), and electricity power outages (66%).

Among these, about half of Americans think global warming is affecting wildfires (50%) and extreme heat (49%) in the United States "a lot."



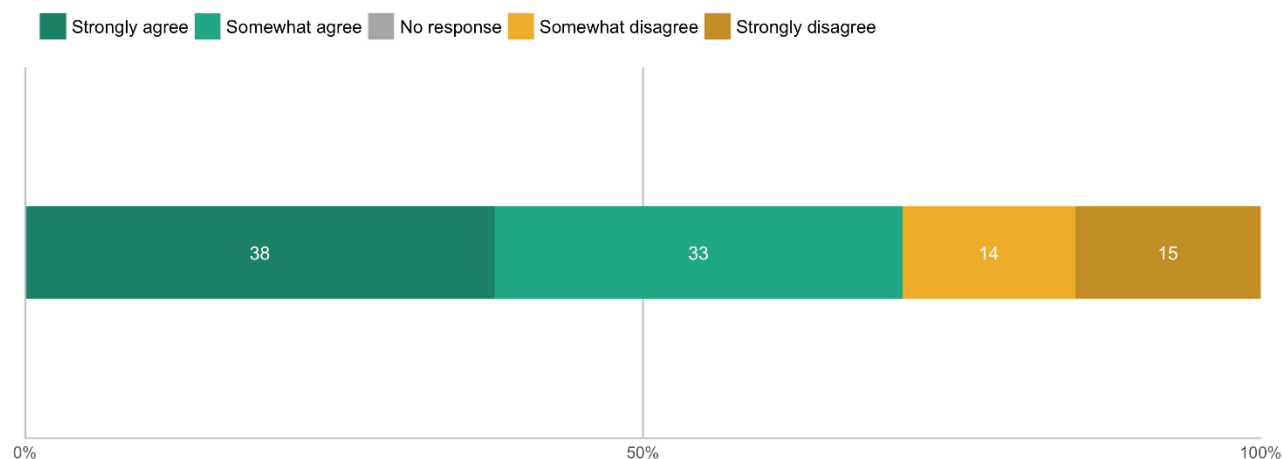
How much do you think global warming is affecting the following in the United States?
September 2021



6.3. About seven in ten Americans think wildfires have increased as a result of global warming.

About seven in ten Americans either "strongly" (38%) or "somewhat" (33%) agree that wildfires have increased around the world as a result of global warming.

About seven in ten Americans think wildfires have increased as a result of global warming



How much do you agree or disagree with the following statement? Wildfires have increased around the world over the past few years as a result of global warming.

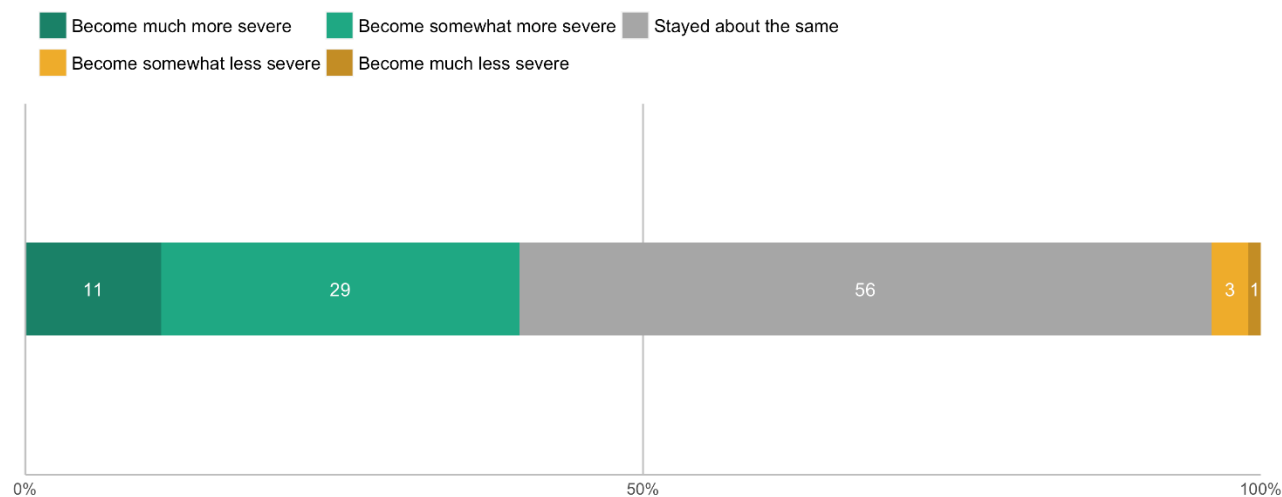
September 2021



6.4. Four in ten Americans think allergy season has become more severe in their area.

Four in ten Americans (40%) think allergy season has become more severe in their area in the past few years, while more than half (56%) think it has stayed about the same, and very few (4%) think it has become less severe.

Four in ten Americans think allergy season has become more severe in their area



In the past few years, would you say that allergy season in your area has...

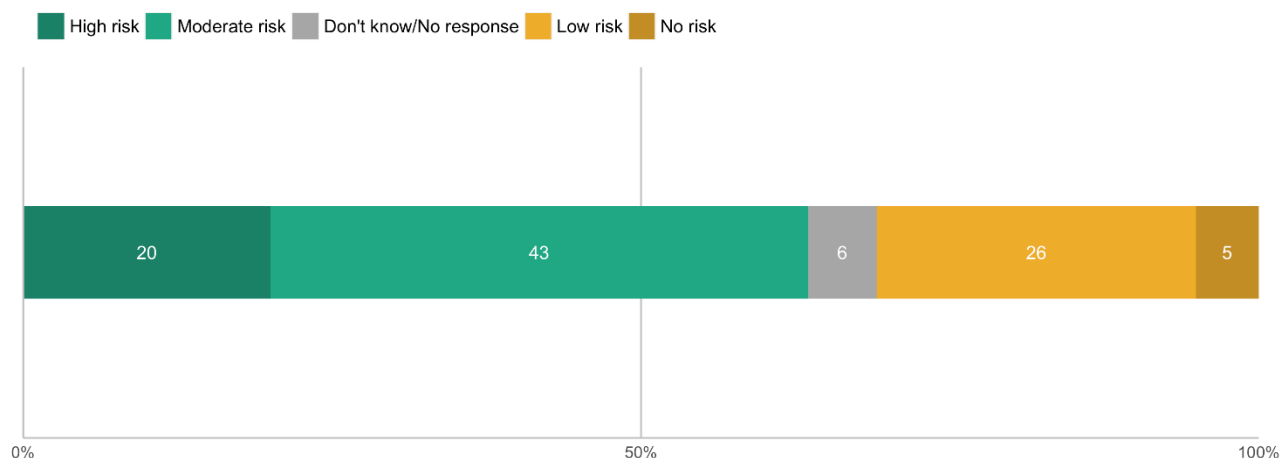
September 2021



6.5. A majority of Americans think extreme weather poses a risk to their community.

A majority of Americans (64%) think extreme weather poses either a "high" (20%) or "moderate" (43%) risk to their community over the next 10 years. Fewer think extreme weather poses either a "low" risk (26%) or "no" risk (5%).

A majority of Americans think extreme weather poses a risk to their community



In your opinion, over the next 10 years how much risk does extreme weather pose to your community?

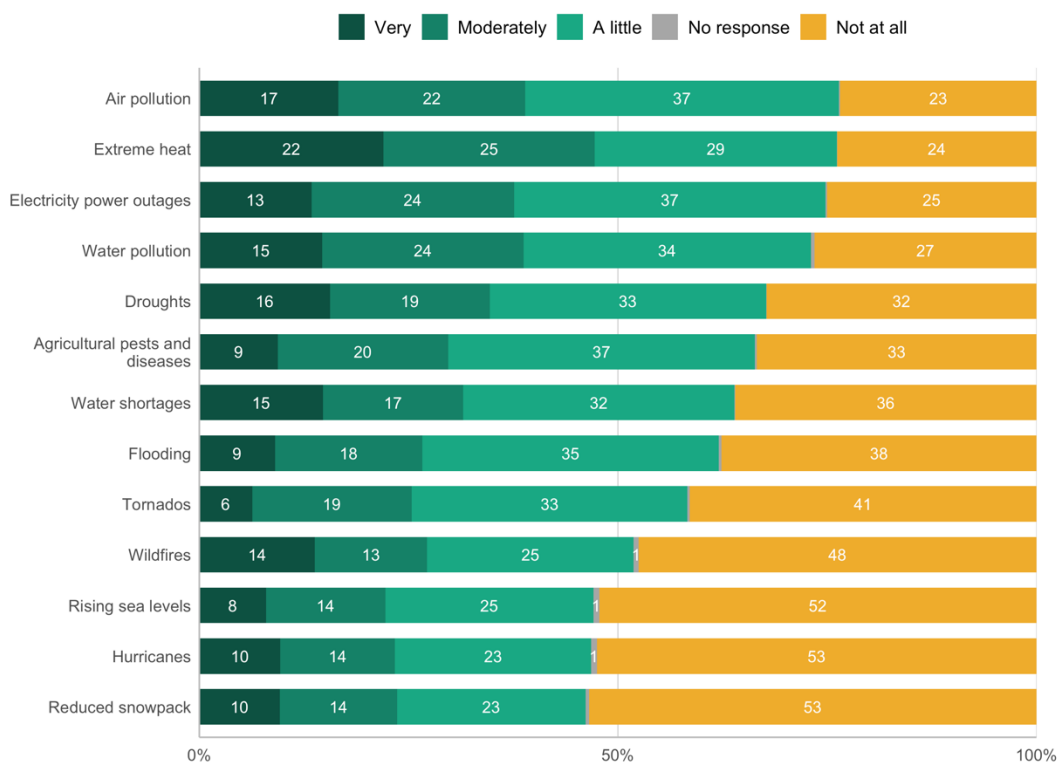
September 2021



6.6. A majority of Americans are worried about harm from environmental problems in their local area.

Section 6.2 of this report outlined the degree to which Americans think global warming is already affecting numerous environmental problems. This section details how worried Americans are that each of those environmental problems will harm their local area in the future. A majority of Americans are at least "a little worried" about harm to their local area from air pollution (76%), extreme heat (76%), electricity power outages (75%), water pollution (73%), droughts (68%), agricultural pests and diseases (66%), water shortages (64%), flooding (62%), tornados (58%), and wildfires (52%). Fewer are worried about rising sea levels (47%), hurricanes (47%), and reduced snowpack (46%).

A majority of Americans are worried about harm from environmental problems in their local area



How worried are you that the following might harm your local area?
September 2021



7. How Americans Conceptualize Global Warming

7.1. Americans are most likely to think of global warming as an environmental and scientific issue.

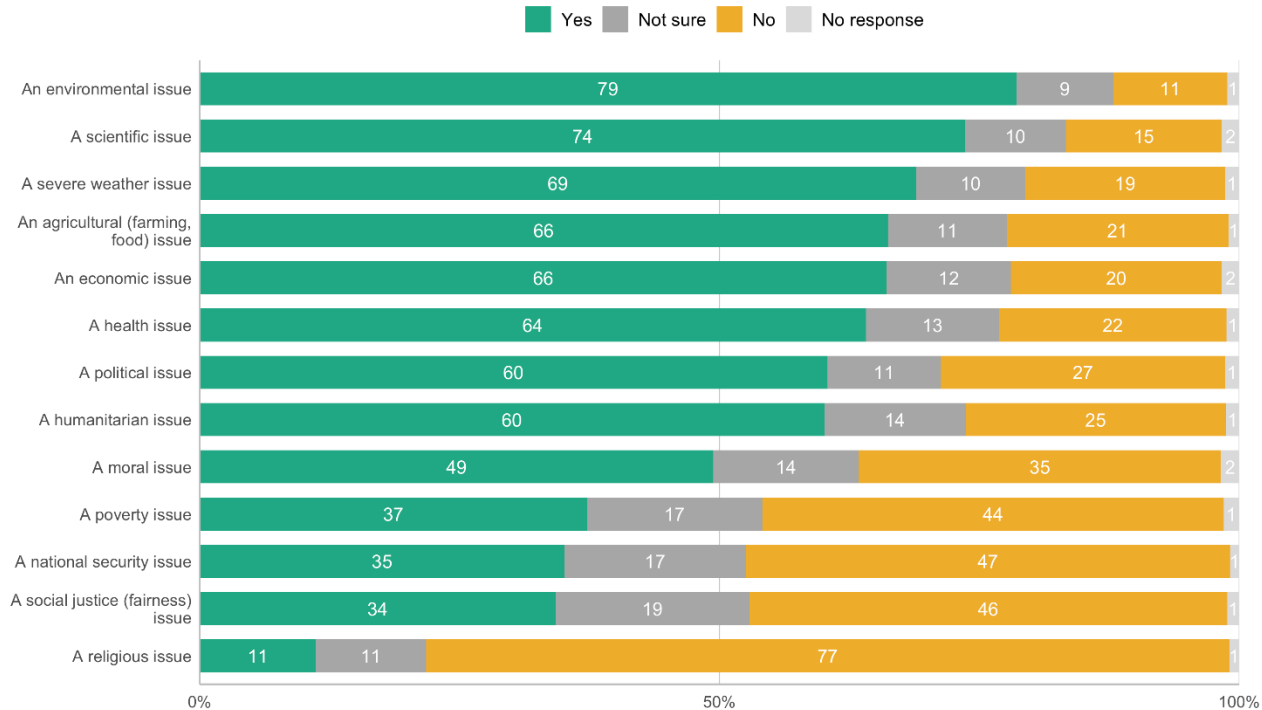
Global warming is a complex challenge with many dimensions. Understanding how people conceptualize the issue is critical to formulating effective communication strategies.

A large majority of Americans think global warming is an environmental issue (79%) and a scientific issue (74%). More than half think global warming is a severe weather (69%), agricultural (66%), economic (66%), health (64%), political (60%), and/or humanitarian (60%) issue.

Fewer think global warming is a moral (49%), poverty (37%), national security (35%), social justice (34%), and/or religious (11%) issue.

Over the past five years (since November 2016), the proportions of Americans who consider global warming a moral issue and a poverty issue have each increased by 12 percentage points (see data tables). Among the other items that were asked in both the current survey and in November 2016, the proportion of Americans who view global warming as a social justice (fairness) issue (+10 percentage points), a national security issue (+8 points), a severe weather issue (+8 points), and an economic issue (+6 points), has also increased.

Americans are most likely to think of global warming as an environmental and/or scientific issue



In your opinion, do you think global warming is...?
September 2021

Appendix I: Data Tables

Table Notes:

- In all tables, the base is all Americans age 18+.
- In the first row of each table, “Unweighted Base” refers to the unweighted number of respondents in each column.
- Percentages reported are weighted to match U.S. Census parameters.
- A dash (“-”) denotes that there were no responses in that cell, and “0” denotes that the cell value is greater than 0 but less than 0.50.
- If a dash (“-”) appears for all possible responses for a given question and wave, then that question was not asked in that survey wave.

1.1 Recently, you may have noticed that global warming has been getting some attention in the news. Global warming refers to the idea that the world’s average temperature has been increasing over the past 150 years, may be increasing more in the future, and that the world’s climate may change as a result.

What do you think: Do you think that global warming is happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	71	57	61	63	62	66	70	63	62
No (%)	10	20	18	18	16	14	12	16	23
Don’t know (%)	19	22	21	18	19	20	18	20	14
No response (%)	0	1	0	1	3	1	-	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	64	66	63	67	70	70	70	71	70
No (%)	19	16	18	15	11	13	13	13	14
Don’t know (%)	17	18	19	18	18	17	16	15	16
No response (%)	0	0	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	73	69	72	73	72	70	76
No (%)	14	16	12	10	13	15	12
Don’t know (%)	13	16	16	16	15	15	11
No response (%)	0	-	0	-	0	-	-

1.2 (a) How sure are you that global warming is happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely sure (%)	25	14	12	13	14	13	19	17	17
Very sure (%)	26	20	22	21	21	22	21	21	20
Somewhat sure (%)	17	21	24	25	24	27	28	23	24
Not at all sure (%)	3	3	2	4	3	3	2	2	2
No response (%)	-	0	0	-	0	0	-	-	-
Not applicable (%)	29	43	39	37	38	34	30	37	38

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely sure (%)	19	16	17	19	21	24	22	25	29
Very sure (%)	21	23	20	21	22	21	24	22	20
Somewhat sure (%)	21	25	24	25	24	23	23	23	19
Not at all sure (%)	3	2	2	2	3	2	1	1	2
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	36	34	37	33	30	30	30	29	30

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Extremely sure (%)	31	27	31	32	31	27	35
Very sure (%)	21	19	21	22	20	23	23
Somewhat sure (%)	20	20	17	18	21	19	17
Not at all sure (%)	2	2	2	2	1	1	2
No response (%)	-	-	0	-	-	-	-
Not applicable (%)	27	31	28	27	28	30	24

1.2 (b) How sure are you that global warming is not happening?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely sure (%)	3	5	4	4	3	2	2	3	5
Very sure (%)	3	6	6	5	6	6	3	5	8
Somewhat sure (%)	4	7	8	7	6	5	6	7	8
Not at all sure (%)	1	1	1	2	1	1	2	2	2
No response (%)	-	1	-	-	0	-	-	-	-
Not applicable (%)	90	80	82	82	84	86	88	84	77

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely sure (%)	3	4	4	3	2	3	4	2	2
Very sure (%)	5	5	6	5	4	4	3	4	5
Somewhat sure (%)	9	6	7	6	4	5	5	5	5
Not at all sure (%)	2	2	2	2	1	1	1	1	2
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	81	84	82	85	89	87	87	87	86

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Extremely sure (%)	3	3	4	2	2	4	3
Very sure (%)	4	5	3	4	4	5	4
Somewhat sure (%)	6	6	5	4	4	5	4
Not at all sure (%)	1	2	1	1	2	1	1
No response (%)	-	0	0	-	0	-	-
Not applicable (%)	86	84	88	90	87	85	88

1.3 Assuming global warming is happening, do you think it is . . .

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Caused mostly by human activities (%)	56	46	49	46	48	45	54	48	47
Caused mostly by natural changes in the environment (%)	30	33	32	33	31	36	30	32	36
None of the above because global warming isn't happening (%)	4	9	6	8	8	4	7	8	8
Other (%)	9	10	11	12	10	14	9	10	8
No response (%)	1	2	1	1	3	1	-	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Caused mostly by human activities (%)	52	50	52	53	53	55	57	54	58
Caused mostly by natural changes in the environment (%)	32	32	31	32	33	29	29	31	27
None of the above because global warming isn't happening (%)	7	9	9	7	7	8	6	6	7
Other (%)	8	9	8	8	7	8	8	9	8
No response (%)	1	-	-	-	-	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Caused mostly by human activities (%)	62	55	59	62	58	56	60
Caused mostly by natural changes in the environment (%)	22	31	29	28	28	29	26
None of the above because global warming isn't happening (%)	8	6	5	5	5	8	5
Other (%)	8	8	8	6	9	7	9
No response (%)	0	0	0	0	0	-	0

1.4 Which comes closest to your own view?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Most scientists think global warming is happening (%)	46	33	34	38	40	34	44	42	42
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	33	39	45	39	38	41	36	33	33
Most scientists think global warming is not happening (%)	2	5	4	4	3	3	3	4	6
Don't know enough to say (%)	18	21	17	18	17	21	18	20	18
No response (%)	1	2	0	1	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Most scientists think global warming is happening (%)	40	44	40	-	48	51	49	56	49
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	32	31	32	-	28	27	27	27	27
Most scientists think global warming is not happening (%)	5	3	3	-	3	3	3	2	2
Don't know enough to say (%)	23	22	25	-	21	18	21	14	21
No response (%)	0	-	-	-	0	0	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Most scientists think global warming is happening (%)	57	53	55	56	58	57	59
There is a lot of disagreement among scientists about whether or not global warming is happening (%)	25	25	24	24	23	24	21
Most scientists think global warming is not happening (%)	3	3	4	3	3	3	3
Don't know enough to say (%)	14	19	17	16	16	16	17
No response (%)	0	0	-	0	0	-	-

1.5 To the best of your knowledge, what percentage of climate scientists think that human-caused global warming is happening? Please click on the slider bar below to indicate your answer. You can slide the indicator to the position that best describes your opinion.

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
0-10% (%)	-	-	-	-	-	-	-	-	1
11-20% (%)	-	-	-	-	-	-	-	-	1
21-30% (%)	-	-	-	-	-	-	-	-	1
31-40% (%)	-	-	-	-	-	-	-	-	2
41-50% (%)	-	-	-	-	-	-	-	-	7
51-60% (%)	-	-	-	-	-	-	-	-	2
61-70% (%)	-	-	-	-	-	-	-	-	2
71-80% (%)	-	-	-	-	-	-	-	-	7
81-90% (%)	-	-	-	-	-	-	-	-	5
91-100% (%)	-	-	-	-	-	-	-	-	6
Don't know enough to say (%)	-	-	-	-	-	-	-	-	14
No response (%)	-	-	-	-	-	-	-	-	1
Not applicable (%)	-	-	-	-	-	-	-	-	51

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
0-10% (%)	1	1	1	2	1	2	2	1	1
11-20% (%)	1	1	1	2	1	1	1	1	1
21-30% (%)	5	4	4	4	4	7	4	5	4
31-40% (%)	3	2	2	2	2	3	3	3	1
41-50% (%)	15	15	14	12	13	13	13	13	10
51-60% (%)	8	7	6	5	6	6	7	5	4
61-70% (%)	7	7	8	6	8	7	6	5	5
71-80% (%)	14	17	15	18	15	17	14	17	15
81-90% (%)	7	7	8	10	8	9	10	10	10
91-100% (%)	9	9	9	12	11	15	13	15	15
Don't know enough to say (%)	28	29	31	27	32	21	28	24	34
No response (%)	2	1	1	0	0	0	-	0	0
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
0-10% (%)	1	1	2	1	1	1	1
11-20% (%)	1	1	1	1	1	1	1
21-30% (%)	1	2	2	2	1	2	1
31-40% (%)	2	3	3	2	3	2	2
41-50% (%)	15	17	10	11	10	10	9
51-60% (%)	6	7	8	10	8	7	7
61-70% (%)	6	7	8	6	7	6	7
71-80% (%)	15	12	12	13	14	14	12
81-90% (%)	11	10	11	11	13	13	13
91-100% (%)	20	17	22	21	20	22	24
Don't know enough to say (%)	22	21	21	22	22	24	24
No response (%)	-	-	0	0	0	-	-
Not applicable (%)	0	-	-	-	-	-	-

2.1 How worried are you about global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	16	11	12	9	12	11	16	14	15
Somewhat worried (%)	46	37	41	42	41	42	42	37	38
Not very worried (%)	24	27	30	28	30	30	25	30	26
Not at all worried (%)	13	22	18	20	15	16	17	19	20
No response (%)	1	2	0	1	2	1	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	15	11	11	16	16	19	17	22	21
Somewhat worried (%)	41	45	41	41	42	42	39	42	41
Not very worried (%)	27	26	29	27	25	24	27	23	22
Not at all worried (%)	18	18	19	16	18	15	17	14	16
No response (%)	0	-	-	-	-	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	29	23	30	26	27	25	35
Somewhat worried (%)	40	39	36	40	39	40	35
Not very worried (%)	19	23	19	22	20	19	18
Not at all worried (%)	13	14	15	12	14	17	12
No response (%)	0	-	-	-	-	-	-

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming?

Interested

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	20	19	22	-	-	-	-	21
Moderately (%)	-	42	47	42	-	-	-	-	38
Not very (%)	-	15	15	15	-	-	-	-	19
Not at all (%)	-	18	15	18	-	-	-	-	19
No response (%)	-	5	3	3	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	23	22	23	-	24	19
Moderately (%)	-	-	-	43	45	43	-	43	42
Not very (%)	-	-	-	18	16	15	-	20	20
Not at all (%)	-	-	-	14	16	18	-	12	15
No response (%)	-	-	-	1	1	1	-	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very (%)	25	-	23	19	19	-	22
Moderately (%)	44	-	41	44	41	-	44
Not very (%)	18	-	17	17	18	-	17
Not at all (%)	12	-	18	18	21	-	16
No response (%)	1	-	1	1	1	-	1

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming? (cont.)**Angry**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	15	10	12	-	-	-	-	13
Moderately (%)	-	28	30	25	-	-	-	-	22
Not very (%)	-	26	28	28	-	-	-	-	30
Not at all (%)	-	27	30	32	-	-	-	-	32
No response (%)	-	4	3	3	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	12	12	-	16	11
Moderately (%)	-	-	-	-	29	26	-	32	28
Not very (%)	-	-	-	-	29	31	-	28	31
Not at all (%)	-	-	-	-	29	30	-	22	28
No response (%)	-	-	-	-	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very (%)	15	-	16	13	11	-	15
Moderately (%)	33	-	29	27	26	-	32
Not very (%)	27	-	23	23	26	-	25
Not at all (%)	24	-	31	35	36	-	26
No response (%)	1	-	1	1	1	-	1

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming? (cont.)**Hopeful**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	9	10	9	-	-	-	-	9
Moderately (%)	-	34	35	34	-	-	-	-	33
Not very (%)	-	29	29	27	-	-	-	-	31
Not at all (%)	-	23	24	25	-	-	-	-	24
No response (%)	-	5	3	4	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	11	10	11	-	7	7
Moderately (%)	-	-	-	39	38	38	-	37	35
Not very (%)	-	-	-	32	30	30	-	39	36
Not at all (%)	-	-	-	17	20	21	-	16	19
No response (%)	-	-	-	1	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very (%)	10	-	9	10	7	-	7
Moderately (%)	38	-	33	35	36	-	35
Not very (%)	34	-	34	30	31	-	36
Not at all (%)	17	-	22	23	25	-	21
No response (%)	1	-	1	2	1	-	2

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming? (cont.)**Disgusted**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	20	14	15	-	-	-	-	17
Moderately (%)	-	29	33	31	-	-	-	-	25
Not very (%)	-	22	23	22	-	-	-	-	26
Not at all (%)	-	24	27	28	-	-	-	-	29
No response (%)	-	5	4	4	-	-	-	-	3

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	14	15	-	22	14
Moderately (%)	-	-	-	-	34	28	-	33	33
Not very (%)	-	-	-	-	25	28	-	25	26
Not at all (%)	-	-	-	-	26	28	-	19	25
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very (%)	19	-	20	16	13	-	21
Moderately (%)	34	-	30	30	29	-	33
Not very (%)	24	-	21	20	22	-	21
Not at all (%)	22	-	28	33	35	-	24
No response (%)	1	-	1	1	1	-	1

2.2 How strongly do you feel each of the following emotions when you think about the issue of global warming? (cont.)**Outraged**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very (%)	-	-	-	-	12	12	-	15	11
Moderately (%)	-	-	-	-	29	24	-	28	26
Not very (%)	-	-	-	-	28	32	-	32	32
Not at all (%)	-	-	-	-	30	31	-	23	29
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very (%)	14	-	17	13	10	-	15
Moderately (%)	29	-	28	27	26	-	30
Not very (%)	29	-	22	22	25	-	27
Not at all (%)	27	-	32	37	38	-	27
No response (%)	1	-	1	1	1	-	1

3.1 How much do you agree or disagree with the following statements?

I have personally experienced the effects of global warming

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	4	4	5	5	7	5	4	6	6
Somewhat agree (%)	28	19	24	27	28	30	34	33	27
Somewhat disagree (%)	42	32	34	32	34	30	30	29	30
Strongly disagree (%)	24	37	34	30	23	33	31	31	36
No response (%)	2	7	3	6	8	2	0	2	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	5	4	4	-	7	7	5	8	5
Somewhat agree (%)	29	26	27	-	33	29	34	36	36
Somewhat disagree (%)	29	29	29	-	29	29	29	30	27
Strongly disagree (%)	35	41	40	-	31	35	31	26	32
No response (%)	1	0	-	-	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	11	6	10	9	12	7	12
Somewhat agree (%)	35	32	35	35	30	36	40
Somewhat disagree (%)	24	28	23	26	24	26	21
Strongly disagree (%)	31	33	31	30	34	31	26
No response (%)	-	0	0	0	-	1	-

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

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
They are being harmed now (%)	33	24	28	31	29	29	36	34	34
In 10 years (%)	13	12	12	11	10	11	13	11	10
In 25 years (%)	13	13	11	13	13	13	11	12	14
In 50 years (%)	13	12	13	12	15	14	12	12	11
In 100 years (%)	12	13	14	11	15	15	13	13	12
Never (%)	14	23	19	19	16	15	15	17	18
No response (%)	3	2	3	2	3	2	1	1	2

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
They are being harmed now (%)	32	33	32	34	38	36	35	42	39
In 10 years (%)	9	10	10	13	12	14	11	12	11
In 25 years (%)	14	14	13	14	13	15	13	12	12
In 50 years (%)	15	12	11	11	12	10	13	11	12
In 100 years (%)	14	13	13	10	10	9	13	11	11
Never (%)	16	18	20	18	14	16	15	12	15
No response (%)	1	0	0	0	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
They are being harmed now (%)	48	38	45	45	47	45	55
In 10 years (%)	7	10	12	13	12	11	9
In 25 years (%)	14	13	12	12	10	10	8
In 50 years (%)	7	11	9	9	9	8	7
In 100 years (%)	9	12	9	8	9	9	8
Never (%)	14	15	14	13	14	16	13
No response (%)	0	0	0	0	0	0	0

3.3 How much do you think global warming will harm . . . ?

You personally

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	9	13	10	11	9	11	16	15	13
A moderate amount (%)	22	23	21	18	20	18	26	25	25
Only a little (%)	24	21	27	27	28	30	25	26	27
Not at all (%)	22	30	24	25	24	29	20	23	26
Don't know (%)	23	11	18	17	16	11	13	11	8
No response (%)	1	2	0	2	3	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	13	12	10	14	12	14	13	16	14
A moderate amount (%)	25	24	26	27	28	27	29	33	28
Only a little (%)	26	26	26	26	24	25	26	24	27
Not at all (%)	25	27	25	20	23	25	22	19	20
Don't know (%)	10	11	13	12	12	8	9	7	11
No response (%)	1	0	0	0	0	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	22	14	18	13	15	15	21
A moderate amount (%)	27	29	26	29	28	30	29
Only a little (%)	20	24	24	26	24	24	21
Not at all (%)	20	25	22	21	23	22	20
Don't know (%)	10	8	11	10	10	10	9
No response (%)	0	0	0	-	0	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

Your family

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	11	15	11	12	10	12	18	17	17
A moderate amount (%)	24	25	25	21	23	21	28	27	25
Only a little (%)	23	21	23	25	27	28	23	23	25
Not at all (%)	18	27	21	23	21	26	17	20	24
Don't know (%)	23	11	19	17	17	12	14	11	8
No response (%)	1	2	0	2	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	16	15	13	-	15	17	16	19	17
A moderate amount (%)	27	28	28	-	30	30	31	35	30
Only a little (%)	24	23	23	-	22	24	25	22	25
Not at all (%)	21	23	22	-	21	21	19	16	17
Don't know (%)	11	11	13	-	12	8	9	8	12
No response (%)	1	0	0	-	-	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	27	18	21	16	19	17	26
A moderate amount (%)	29	30	28	30	30	32	29
Only a little (%)	17	22	22	24	20	22	18
Not at all (%)	17	22	18	19	21	19	18
Don't know (%)	9	9	11	11	10	10	9
No response (%)	-	0	0	-	0	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

People in your community

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	13	15	11	12	10	12	19	17	14
A moderate amount (%)	26	27	25	21	23	21	29	28	29
Only a little (%)	20	21	23	25	26	29	23	23	24
Not at all (%)	17	24	21	21	20	24	15	18	23
Don't know (%)	23	11	19	18	17	13	13	13	9
No response (%)	1	3	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	16	16	14	-	15	19	16	21	17
A moderate amount (%)	28	27	29	-	31	30	32	34	32
Only a little (%)	24	23	24	-	23	22	23	22	22
Not at all (%)	20	22	20	-	19	20	18	15	16
Don't know (%)	11	11	14	-	12	9	10	8	12
No response (%)	1	0	0	-	0	-	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	27	19	22	17	19	18	25
A moderate amount (%)	30	30	29	31	32	33	31
Only a little (%)	16	22	20	23	19	21	17
Not at all (%)	16	21	17	17	19	18	16
Don't know (%)	10	8	11	11	10	11	10
No response (%)	0	0	0	0	0	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

People in the United States

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	21	22	16	16	15	18	26	22	23
A moderate amount (%)	28	28	28	26	28	28	31	30	30
Only a little (%)	15	15	21	22	23	23	17	18	19
Not at all (%)	13	21	17	17	16	17	12	16	20
Don't know (%)	22	12	17	18	16	12	13	12	7
No response (%)	1	3	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	23	23	19	23	24	28	25	34	28
A moderate amount (%)	30	30	30	33	35	32	33	33	30
Only a little (%)	18	20	20	18	16	17	19	14	18
Not at all (%)	18	17	17	14	15	15	15	11	12
Don't know (%)	10	11	14	12	10	8	9	7	12
No response (%)	1	0	0	0	0	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	38	30	35	29	32	31	38
A moderate amount (%)	27	28	30	33	30	32	29
Only a little (%)	12	15	12	16	14	13	12
Not at all (%)	13	17	13	12	13	14	11
Don't know (%)	10	9	10	10	11	9	9
No response (%)	0	0	0	-	-	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

People in developing countries

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	31	28	22	23	22	26	35	30	32
A moderate amount (%)	21	24	27	21	27	25	29	25	24
Only a little (%)	10	14	17	19	17	18	10	18	17
Not at all (%)	13	19	15	16	15	16	11	13	19
Don't know (%)	24	13	18	18	17	14	15	13	8
No response (%)	1	2	0	2	3	2	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	31	29	27	34	36	40	37	47	38
A moderate amount (%)	24	26	26	27	27	25	25	25	24
Only a little (%)	17	16	17	13	12	12	16	10	12
Not at all (%)	16	17	15	13	13	13	13	10	12
Don't know (%)	11	12	15	13	12	11	9	9	13
No response (%)	1	0	0	0	-	-	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	48	42	48	44	46	47	52
A moderate amount (%)	20	22	19	22	21	21	19
Only a little (%)	8	11	8	10	10	9	7
Not at all (%)	11	15	12	10	10	12	11
Don't know (%)	13	10	12	14	13	11	11
No response (%)	0	0	0	-	0	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

The world's poor

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	-	-	-	-	-	-	-	-	-
A moderate amount (%)	-	-	-	-	-	-	-	-	-
Only a little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	-	-	30	36	40	43	39	49	40
A moderate amount (%)	-	-	23	25	22	21	23	21	22
Only a little (%)	-	-	16	12	12	11	15	10	13
Not at all (%)	-	-	16	13	13	13	13	10	12
Don't know (%)	-	-	15	13	14	12	10	9	13
No response (%)	-	-	-	0	0	0	-	0	0
Not applicable (%)	-	-	0	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	50	44	50	46	48	47	55
A moderate amount (%)	17	20	16	21	18	21	16
Only a little (%)	8	11	9	11	10	9	8
Not at all (%)	12	15	13	10	12	13	11
Don't know (%)	13	10	12	12	13	11	11
No response (%)	-	0	0	-	0	0	-
Not applicable (%)	-	-	-	-	-	-	-

3.3 How much do you think global warming will harm . . . ? (cont.)

Future generations of people

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	43	41	39	36	40	42	47	42	46
A moderate amount (%)	17	21	22	22	21	22	21	21	19
Only a little (%)	7	9	11	10	13	12	9	12	11
Not at all (%)	10	15	12	11	9	11	8	12	15
Don't know (%)	22	12	16	18	15	13	14	12	9
No response (%)	2	3	1	3	2	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	49	46	42	51	48	53	50	54	52
A moderate amount (%)	18	18	21	19	22	18	20	21	18
Only a little (%)	10	11	10	8	8	9	10	8	9
Not at all (%)	11	13	12	11	10	10	11	9	9
Don't know (%)	11	13	15	11	11	10	8	8	12
No response (%)	1	0	0	0	0	-	-	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	59	52	57	53	55	55	58
A moderate amount (%)	16	17	15	20	17	16	16
Only a little (%)	6	9	7	9	8	8	7
Not at all (%)	9	13	10	7	8	11	9
Don't know (%)	10	9	11	11	12	10	10
No response (%)	-	0	0	-	0	0	-

3.3 How much do you think global warming will harm . . . ? (cont.)

Plant and animal species

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal (%)	45	41	40	38	40	43	43	39	46
A moderate amount (%)	17	19	20	18	18	21	25	24	19
Only a little (%)	8	10	12	12	15	13	11	13	11
Not at all (%)	9	15	13	12	9	10	8	13	15
Don't know (%)	20	12	15	17	14	12	13	10	7
No response (%)	2	3	1	2	3	1	0	1	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal (%)	47	44	42	-	48	50	49	54	53
A moderate amount (%)	19	20	21	-	23	19	22	21	18
Only a little (%)	12	10	12	-	9	10	10	9	9
Not at all (%)	12	13	12	-	11	11	11	8	9
Don't know (%)	10	12	13	-	10	9	8	7	10
No response (%)	1	0	0	-	0	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal (%)	58	52	57	54	55	53	59
A moderate amount (%)	16	19	16	19	18	18	17
Only a little (%)	8	10	7	9	9	9	7
Not at all (%)	9	11	10	8	8	11	8
Don't know (%)	9	8	10	10	10	9	9
No response (%)	0	0	0	-	0	0	-

4.1 How often do you discuss global warming with your family and friends?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Often (%)	5	6	5	4	4	5	3	4	3
Occasionally (%)	35	29	30	26	26	24	26	28	23
Rarely (%)	33	34	39	41	39	40	38	39	38
Never (%)	26	30	25	28	29	30	34	28	34
No response (%)	1	2	0	1	2	1	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Often (%)	4	3	3	5	4	6	5	6	5
Occasionally (%)	28	24	23	29	27	27	28	32	30
Rarely (%)	39	36	38	33	36	36	36	37	34
Never (%)	29	37	36	32	32	31	31	25	31
No response (%)	0	-	-	-	-	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Often (%)	8	6	9	5	6	6	7
Occasionally (%)	34	31	32	31	32	27	32
Rarely (%)	33	33	32	38	31	34	30
Never (%)	26	30	27	26	32	33	30
No response (%)	-	-	-	0	0	-	-

4.2 (a) About how often do you hear about global warming in the media (TV, movies, radio, newspapers/news websites, magazines, etc.)?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
At least once a week (%)	-	-	-	-	-	-	-	-	-
At least once a month (%)	-	-	-	-	-	-	-	-	-
Several times a year (%)	-	-	-	-	-	-	-	-	-
Once a year or less often (%)	-	-	-	-	-	-	-	-	-
Never (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
At least once a week (%)	-	-	19	25	22	-	23	24	20
At least once a month (%)	-	-	21	23	22	-	20	28	23
Several times a year (%)	-	-	30	26	26	-	26	25	28
Once a year or less often (%)	-	-	8	8	8	-	9	7	9
Never (%)	-	-	6	6	7	-	9	3	7
Not sure (%)	-	-	15	11	15	-	11	13	12
No response (%)	-	-	0	1	0	-	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
At least once a week (%)	34	31	35	24	27	27	35
At least once a month (%)	22	20	21	24	23	21	22
Several times a year (%)	22	21	19	24	24	27	18
Once a year or less often (%)	5	6	6	8	7	6	5
Never (%)	6	8	6	8	7	7	9
Not sure (%)	8	13	13	12	10	11	10
No response (%)	2	1	1	1	1	1	1

4.2 (b) About how often do you hear other people you know (your family, friends, co-workers, etc.) talk about global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
At least once a week (%)	-	-	-	-	-	-	-	-	-
At least once a month (%)	-	-	-	-	-	-	-	-	-
Several times a year (%)	-	-	-	-	-	-	-	-	-
Once a year or less often (%)	-	-	-	-	-	-	-	-	-
Never (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
At least once a week (%)	-	-	4	6	5	-	6	7	5
At least once a month (%)	-	-	12	15	13	-	13	17	15
Several times a year (%)	-	-	23	22	25	-	21	24	24
Once a year or less often (%)	-	-	21	22	19	-	22	21	20
Never (%)	-	-	25	26	24	-	28	18	22
Not sure (%)	-	-	14	9	13	-	10	12	13
No response (%)	-	-	0	1	1	-	1	1	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
At least once a week (%)	9	8	8	6	5	6	9
At least once a month (%)	17	15	16	16	16	13	15
Several times a year (%)	24	23	23	24	23	22	23
Once a year or less often (%)	19	16	15	23	21	20	15
Never (%)	22	24	25	24	28	28	28
Not sure (%)	7	12	12	8	7	9	9
No response (%)	1	1	1	1	0	1	1

4.3 How important is the issue of global warming to you personally?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely important (%)	10	5	6	7	6	6	6	8	8
Very important (%)	20	14	18	15	13	14	17	13	14
Somewhat important (%)	39	37	38	37	40	40	36	36	33
Not too important (%)	18	23	24	24	24	23	24	24	25
Not at all important (%)	11	19	14	14	15	16	17	18	18
No response (%)	1	2	0	2	2	2	0	0	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely important (%)	8	5	6	7	9	10	10	12	10
Very important (%)	17	16	15	18	17	17	16	19	18
Somewhat important (%)	38	37	35	37	35	34	38	37	35
Not too important (%)	21	24	24	21	21	22	22	19	22
Not at all important (%)	16	18	20	17	17	16	15	14	15
No response (%)	0	0	-	-	0	-	-	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Extremely important (%)	16	12	18	13	13	13	19
Very important (%)	24	18	24	24	24	22	24
Somewhat important (%)	32	33	26	29	30	33	28
Not too important (%)	15	19	18	20	17	16	15
Not at all important (%)	14	17	16	13	16	17	15
No response (%)	-	0	-	0	-	0	-

4.4 (a) How much of an effort do your family and friends make to reduce global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A great deal of effort (%)	-	-	-	-	-	-	-	-	-
A lot of effort (%)	-	-	-	-	-	-	-	-	-
A moderate amount of effort (%)	-	-	-	-	-	-	-	-	-
A little effort (%)	-	-	-	-	-	-	-	-	-
No effort (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A great deal of effort (%)	-	-	-	-	-	-	3	-	-
A lot of effort (%)	-	-	-	-	-	-	8	-	-
A moderate amount of effort (%)	-	-	-	-	-	-	31	-	-
A little effort (%)	-	-	-	-	-	-	29	-	-
No effort (%)	-	-	-	-	-	-	19	-	-
Don't know (%)	-	-	-	-	-	-	10	-	-
No response (%)	-	-	-	-	-	-	0	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A great deal of effort (%)	4	3	3	2	3	3	3
A lot of effort (%)	7	8	7	6	7	7	7
A moderate amount of effort (%)	29	30	30	37	26	27	28
A little effort (%)	29	24	28	29	31	31	30
No effort (%)	16	19	16	12	19	18	17
Don't know (%)	14	15	15	14	13	13	15
No response (%)	1	1	1	0	0	1	1

4.4 (b) How important is it to your family and friends that you take action to reduce global warming?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Extremely important (%)	-	-	-	-	-	-	-	-	-
Very important (%)	-	-	-	-	-	-	-	-	-
Moderately important (%)	-	-	-	-	-	-	-	-	-
Not too important (%)	-	-	-	-	-	-	-	-	-
Not at all important (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Extremely important (%)	-	-	-	-	-	-	5	-	-
Very important (%)	-	-	-	-	-	-	13	-	-
Moderately important (%)	-	-	-	-	-	-	27	-	-
Not too important (%)	-	-	-	-	-	-	23	-	-
Not at all important (%)	-	-	-	-	-	-	20	-	-
Don't know (%)	-	-	-	-	-	-	11	-	-
No response (%)	-	-	-	-	-	-	0	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Extremely important (%)	6	5	6	5	6	5	5
Very important (%)	13	14	11	12	12	12	13
Moderately important (%)	27	26	26	30	27	25	25
Not too important (%)	19	17	20	20	21	20	20
Not at all important (%)	18	19	19	17	21	22	20
Don't know (%)	16	17	17	15	12	15	16
No response (%)	1	2	1	0	0	1	1

4.5 How much do you agree or disagree with the following statements?

I feel a personal sense of responsibility to help reduce global warming

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	-	-	-	22	22	16	21
Somewhat agree (%)	-	-	-	44	42	49	48
Somewhat disagree (%)	-	-	-	18	17	18	15
Strongly disagree (%)	-	-	-	16	19	16	16
No response (%)	-	-	-	0	-	1	-

5.1 Please indicate how strongly you agree or disagree with the following statement:**It's already too late to do anything about global warming.**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	-	-	-	-	-	-	-	-	2
Somewhat agree (%)	-	-	-	-	-	-	-	-	11
Somewhat disagree (%)	-	-	-	-	-	-	-	-	28
Strongly disagree (%)	-	-	-	-	-	-	-	-	26
Don't know (%)	-	-	-	-	-	-	-	-	15
Prefer not to answer (%)	-	-	-	-	-	-	-	-	3
No response (%)	-	-	-	-	-	-	-	-	2
Not applicable (%)	-	-	-	-	-	-	-	-	13

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
Prefer not to answer (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	2	3	3	2	3	3	3
Somewhat agree (%)	12	9	9	9	11	9	10
Somewhat disagree (%)	28	25	28	24	24	25	26
Strongly disagree (%)	38	39	38	44	44	38	41
Don't know (%)	15	17	16	14	15	18	15
Prefer not to answer (%)	4	5	5	6	3	5	5
No response (%)	1	1	1	0	0	1	1
Not applicable (%)	-	-	-	-	-	-	-

5.2 How much do you agree or disagree with the following statements?

The actions of a single individual won't make any difference in global warming

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	9	15	13	14	11	18	19	16	17
Somewhat agree (%)	22	27	28	29	29	25	28	29	31
Somewhat disagree (%)	44	35	41	34	40	34	34	35	34
Strongly disagree (%)	24	16	15	18	13	21	19	19	16
No response (%)	2	6	3	6	7	2	1	2	1
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	15	19	17	-	15	-	17	15	15
Somewhat agree (%)	32	29	33	-	31	-	26	26	29
Somewhat disagree (%)	34	32	33	-	32	-	37	37	36
Strongly disagree (%)	17	20	17	-	22	-	20	22	20
No response (%)	1	-	-	-	0	-	0	0	0
Not applicable (%)	-	0	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	-	15	-	-	-	16	14
Somewhat agree (%)	-	25	-	-	-	24	25
Somewhat disagree (%)	-	37	-	-	-	38	38
Strongly disagree (%)	-	23	-	-	-	21	23
No response (%)	-	0	-	-	-	0	-
Not applicable (%)	-	-	-	-	-	-	-

5.3 How much do you agree or disagree with the following statements?

New technologies can solve global warming without individuals having to make big changes in their lives.

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	4	5	6	7	6	6	5	5	6
Somewhat agree (%)	25	40	31	37	37	29	34	32	32
Somewhat disagree (%)	44	32	38	31	35	35	35	35	34
Strongly disagree (%)	24	18	20	20	15	27	25	25	26
No response (%)	3	6	4	5	7	2	1	2	1

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	4	6	6	-	8	-	7	-	8
Somewhat agree (%)	29	35	33	-	36	-	37	-	38
Somewhat disagree (%)	39	33	36	-	33	-	37	-	33
Strongly disagree (%)	27	26	25	-	22	-	19	-	21
No response (%)	1	0	0	-	0	-	0	-	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	-	10	12	7	-	8	9
Somewhat agree (%)	-	39	36	39	-	38	39
Somewhat disagree (%)	-	33	31	34	-	32	33
Strongly disagree (%)	-	18	21	19	-	22	19
No response (%)	-	0	0	0	-	1	0

6.1 (a) Which statement below best reflects your view?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Global warming is affecting weather in the United States (%)	-	-	-	-	-	-	-	28	27
Global warming is not affecting weather in the United States (%)	-	-	-	-	-	-	-	4	4
Global warming isn't happening (%)	-	-	-	-	-	-	-	5	6
Don't know (%)	-	-	-	-	-	-	-	9	8
Prefer not to answer (%)	-	-	-	-	-	-	-	2	2
No response (%)	-	-	-	-	-	-	-	1	1
Not applicable (%)	-	-	-	-	-	-	-	51	51

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Global warming is affecting weather in the United States (%)	57	-	-	-	60	59	59	64	61
Global warming is not affecting weather in the United States (%)	8	-	-	-	5	7	5	6	5
Global warming isn't happening (%)	10	-	-	-	9	9	10	8	9
Don't know (%)	19	-	-	-	20	21	21	18	18
Prefer not to answer (%)	5	-	-	-	5	4	5	5	6
No response (%)	1	-	-	-	0	0	1	0	1
Not applicable (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Global warming is affecting weather in the United States (%)	65	60	64	66	63	61	70
Global warming is not affecting weather in the United States (%)	6	7	6	5	8	7	6
Global warming isn't happening (%)	8	11	9	7	8	9	7
Don't know (%)	15	18	16	17	18	16	13
Prefer not to answer (%)	4	3	4	4	2	5	4
No response (%)	2	1	1	0	1	1	1
Not applicable (%)	-	-	-	-	-	-	-

6.1 (b) How much do you think global warming is affecting weather in the United States?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	24	20
Some (%)	-	-	-	-	-	-	-	24	25
A little (%)	-	-	-	-	-	-	-	10	10
Don't know (%)	-	-	-	-	-	-	-	6	6
Prefer not to answer (%)	-	-	-	-	-	-	-	0	0
No response (%)	-	-	-	-	-	-	-	1	0
Not applicable (%)	-	-	-	-	-	-	-	35	39

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	22	-	-	-	24	24	25	33	29
Some (%)	25	-	-	-	28	26	27	23	25
A little (%)	8	-	-	-	7	8	5	6	6
Don't know (%)	1	-	-	-	1	2	1	1	1
Prefer not to answer (%)	-	-	-	-	-	-	0	0	0
No response (%)	0	-	-	-	0	0	0	0	-
Not applicable (%)	43	-	-	-	40	41	41	36	39

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	32	28	31	33	35	31	43
Some (%)	26	22	25	25	21	23	22
A little (%)	5	7	6	6	6	5	4
Don't know (%)	1	2	2	1	0	2	0
Prefer not to answer (%)	-	0	0	0	-	0	0
No response (%)	1	0	0	0	-	0	0
Not applicable (%)	35	40	36	34	37	39	30

6.2 How much do you think global warming is affecting the following in the United States?

Extreme heat

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	49
Some (%)	-	-	-	-	-	-	19
A little (%)	-	-	-	-	-	-	9
Not at all (%)	-	-	-	-	-	-	10
Don't know (%)	-	-	-	-	-	-	10
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Flooding**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	42
Some (%)	-	-	-	-	-	-	22
A little (%)	-	-	-	-	-	-	8
Not at all (%)	-	-	-	-	-	-	12
Don't know (%)	-	-	-	-	-	-	13
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Wildfires**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	50
Some (%)	-	-	-	-	-	-	17
A little (%)	-	-	-	-	-	-	9
Not at all (%)	-	-	-	-	-	-	11
Don't know (%)	-	-	-	-	-	-	11
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Hurricanes**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	42
Some (%)	-	-	-	-	-	-	21
A little (%)	-	-	-	-	-	-	10
Not at all (%)	-	-	-	-	-	-	12
Don't know (%)	-	-	-	-	-	-	14
No response (%)	-	-	-	-	-	-	1

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Droughts**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	45
Some (%)	-	-	-	-	-	-	21
A little (%)	-	-	-	-	-	-	10
Not at all (%)	-	-	-	-	-	-	10
Don't know (%)	-	-	-	-	-	-	13
No response (%)	-	-	-	-	-	-	1

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Water shortages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	38
Some (%)	-	-	-	-	-	-	24
A little (%)	-	-	-	-	-	-	11
Not at all (%)	-	-	-	-	-	-	11
Don't know (%)	-	-	-	-	-	-	15
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Reduced snow pack**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	36
Some (%)	-	-	-	-	-	-	22
A little (%)	-	-	-	-	-	-	11
Not at all (%)	-	-	-	-	-	-	11
Don't know (%)	-	-	-	-	-	-	19
No response (%)	-	-	-	-	-	-	1

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Rising sea levels**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	43
Some (%)	-	-	-	-	-	-	20
A little (%)	-	-	-	-	-	-	11
Not at all (%)	-	-	-	-	-	-	11
Don't know (%)	-	-	-	-	-	-	14
No response (%)	-	-	-	-	-	-	1

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Agricultural pests and diseases**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	28
Some (%)	-	-	-	-	-	-	27
A little (%)	-	-	-	-	-	-	12
Not at all (%)	-	-	-	-	-	-	13
Don't know (%)	-	-	-	-	-	-	19
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Tornados**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	32
Some (%)	-	-	-	-	-	-	24
A little (%)	-	-	-	-	-	-	11
Not at all (%)	-	-	-	-	-	-	14
Don't know (%)	-	-	-	-	-	-	17
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Air pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	39
Some (%)	-	-	-	-	-	-	22
A little (%)	-	-	-	-	-	-	13
Not at all (%)	-	-	-	-	-	-	12
Don't know (%)	-	-	-	-	-	-	13
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Water pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	29
Some (%)	-	-	-	-	-	-	24
A little (%)	-	-	-	-	-	-	12
Not at all (%)	-	-	-	-	-	-	14
Don't know (%)	-	-	-	-	-	-	18
No response (%)	-	-	-	-	-	-	2

6.2 How much do you think global warming is affecting the following in the United States? (cont.)**Electricity power outages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
A lot (%)	-	-	-	-	-	-	-	-	-
Some (%)	-	-	-	-	-	-	-	-	-
A little (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
A lot (%)	-	-	-	-	-	-	28
Some (%)	-	-	-	-	-	-	27
A little (%)	-	-	-	-	-	-	11
Not at all (%)	-	-	-	-	-	-	16
Don't know (%)	-	-	-	-	-	-	17
No response (%)	-	-	-	-	-	-	2

6.3 How much do you agree or disagree with the following statements?

Wildfires have increased around the world over the past few years as a result of global warming.

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Strongly agree (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Strongly agree (%)	-	-	-	28	33	29	38
Somewhat agree (%)	-	-	-	38	32	36	33
Somewhat disagree (%)	-	-	-	18	18	17	14
Strongly disagree (%)	-	-	-	15	16	18	15
No response (%)	-	-	-	0	-	1	0

6.4 In the past few years, would you say that allergy season in your area has . . . ?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Become much more severe (%)	-	-	-	-	-	-	-	-	-
Become somewhat more severe (%)	-	-	-	-	-	-	-	-	-
Stayed about the same (%)	-	-	-	-	-	-	-	-	-
Become much less severe (%)	-	-	-	-	-	-	-	-	-
Become somewhat less severe (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Become much more severe (%)	-	-	-	-	-	-	-	-	-
Become somewhat more severe (%)	-	-	-	-	-	-	-	-	-
Stayed about the same (%)	-	-	-	-	-	-	-	-	-
Become much less severe (%)	-	-	-	-	-	-	-	-	-
Become somewhat less severe (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Become much more severe (%)	-	-	-	-	9	10	11
Become somewhat more severe (%)	-	-	-	-	28	28	29
Stayed about the same (%)	-	-	-	-	59	57	56
Become much less severe (%)	-	-	-	-	1	2	1
Become somewhat less severe (%)	-	-	-	-	4	3	3
No response (%)	-	-	-	-	1	0	-

6.5 In your opinion, over the next 10 years how much risk does extreme weather pose to your community?

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
High risk (%)	-	-	-	-	-	-	-	-	-
Moderate risk (%)	-	-	-	-	-	-	-	-	-
Low risk (%)	-	-	-	-	-	-	-	-	-
No risk (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
High risk (%)	-	-	-	-	10	-	-	15	-
Moderate risk (%)	-	-	-	-	40	-	-	42	-
Low risk (%)	-	-	-	-	33	-	-	30	-
No risk (%)	-	-	-	-	5	-	-	5	-
Don't know (%)	-	-	-	-	11	-	-	8	-
No response (%)	-	-	-	-	0	-	-	0	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
High risk (%)	-	-	18	16	13	14	20
Moderate risk (%)	-	-	38	40	42	41	43
Low risk (%)	-	-	31	33	34	31	26
No risk (%)	-	-	7	5	5	7	5
Don't know (%)	-	-	7	5	6	7	6
No response (%)	-	-	0	0	-	0	0

6.6 How worried are you that the following might harm your local area?

Extreme heat

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	13
Moderately worried (%)	-	-	-	-	-	-	-	-	21
A little worried (%)	-	-	-	-	-	-	-	-	29
Not at all worried (%)	-	-	-	-	-	-	-	-	36
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	11	13	14	12	11	13	22
Moderately worried (%)	21	23	22	22	21	23	25
A little worried (%)	29	34	28	32	33	32	29
Not at all worried (%)	39	30	36	33	35	31	24
No response (%)	-	0	0	0	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Flooding**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	7
Moderately worried (%)	-	-	-	-	-	-	-	-	22
A little worried (%)	-	-	-	-	-	-	-	-	31
Not at all worried (%)	-	-	-	-	-	-	-	-	39
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	6	9	9	6	7	6	9
Moderately worried (%)	17	19	19	17	12	15	18
A little worried (%)	38	32	30	37	33	35	35
Not at all worried (%)	39	40	41	40	47	44	38
No response (%)	0	0	1	1	1	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Wildfires**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	12
A little worried (%)	-	-	-	-	-	-	-	-	21
Not at all worried (%)	-	-	-	-	-	-	-	-	57
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	9	9	10	9	10	11	14
Moderately worried (%)	13	14	13	12	12	14	13
A little worried (%)	20	25	20	25	24	23	25
Not at all worried (%)	59	51	56	52	54	52	48
No response (%)	0	0	0	1	0	0	1

6.6 How worried are you that the following might harm your local area? (cont.)**Hurricanes**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	12
A little worried (%)	-	-	-	-	-	-	-	-	17
Not at all worried (%)	-	-	-	-	-	-	-	-	62
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	8	9	9	8	8	7	10
Moderately worried (%)	12	14	13	13	12	9	14
A little worried (%)	20	16	18	20	19	19	23
Not at all worried (%)	59	60	59	58	61	64	53
No response (%)	0	0	1	1	0	0	1

6.6 How worried are you that the following might harm your local area? (cont.)**Droughts**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	11
Moderately worried (%)	-	-	-	-	-	-	-	-	19
A little worried (%)	-	-	-	-	-	-	-	-	31
Not at all worried (%)	-	-	-	-	-	-	-	-	39
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	10	10	11	9	10	9	16
Moderately worried (%)	17	21	20	17	18	19	19
A little worried (%)	31	34	30	39	36	33	33
Not at all worried (%)	42	35	39	35	36	39	32
No response (%)	0	0	1	0	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Water shortages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	9
Moderately worried (%)	-	-	-	-	-	-	-	-	17
A little worried (%)	-	-	-	-	-	-	-	-	25
Not at all worried (%)	-	-	-	-	-	-	-	-	48
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	8	10	9	10	9	9	15
Moderately worried (%)	14	17	18	15	15	17	17
A little worried (%)	29	31	27	31	30	30	32
Not at all worried (%)	49	41	45	44	45	43	36
No response (%)	0	0	0	0	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Reduced snow pack**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	5
Moderately worried (%)	-	-	-	-	-	-	-	-	10
A little worried (%)	-	-	-	-	-	-	-	-	16
Not at all worried (%)	-	-	-	-	-	-	-	-	68
No response (%)	-	-	-	-	-	-	-	-	1

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	5	4	5	5	6	7	10
Moderately worried (%)	11	10	12	10	12	11	14
A little worried (%)	21	19	20	23	18	20	23
Not at all worried (%)	63	66	62	62	64	61	53
No response (%)	0	0	1	0	0	1	0

6.6 How worried are you that the following might harm your local area? (cont.)**Rising sea levels**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	6	6	8
Moderately worried (%)	-	-	-	-	10	11	14
A little worried (%)	-	-	-	-	22	24	25
Not at all worried (%)	-	-	-	-	61	59	52
No response (%)	-	-	-	-	0	0	1

6.6 How worried are you that the following might harm your local area? (cont.)**Agricultural pests and diseases**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	7	8	9
Moderately worried (%)	-	-	-	-	16	17	20
A little worried (%)	-	-	-	-	40	40	37
Not at all worried (%)	-	-	-	-	36	35	33
No response (%)	-	-	-	-	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Tornados**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	7	6	6
Moderately worried (%)	-	-	-	-	16	15	19
A little worried (%)	-	-	-	-	30	32	33
Not at all worried (%)	-	-	-	-	46	47	41
No response (%)	-	-	-	-	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Air pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	12	12	17
Moderately worried (%)	-	-	-	-	24	23	22
A little worried (%)	-	-	-	-	37	36	37
Not at all worried (%)	-	-	-	-	26	28	23
No response (%)	-	-	-	-	0	1	0

6.6 How worried are you that the following might harm your local area? (cont.)**Water pollution**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	12	14	15
Moderately worried (%)	-	-	-	-	21	23	24
A little worried (%)	-	-	-	-	41	36	34
Not at all worried (%)	-	-	-	-	26	26	27
No response (%)	-	-	-	-	0	0	0

6.6 How worried are you that the following might harm your local area? (cont.)**Electricity power outages**

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Very worried (%)	-	-	-	-	-	-	-	-	-
Moderately worried (%)	-	-	-	-	-	-	-	-	-
A little worried (%)	-	-	-	-	-	-	-	-	-
Not at all worried (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Very worried (%)	-	-	-	-	-	-	13
Moderately worried (%)	-	-	-	-	-	-	24
A little worried (%)	-	-	-	-	-	-	37
Not at all worried (%)	-	-	-	-	-	-	25
No response (%)	-	-	-	-	-	-	0

7.1 In your opinion, do you think global warming is . . . ?

An environmental issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	76	77	78	76	-	78	74
No (%)	-	-	11	11	10	11	-	11	11
Not sure (%)	-	-	12	11	12	11	-	10	14
No response (%)	-	-	1	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	75	-	82	80	-	79
No (%)	-	13	-	9	13	-	11
Not sure (%)	-	11	-	8	6	-	9
No response (%)	-	1	-	1	1	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A moral issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	35	41	39	37	-	41	41
No (%)	-	-	44	39	41	45	-	42	36
Not sure (%)	-	-	19	19	19	17	-	15	20
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	38	-	50	47	-	49
No (%)	-	44	-	33	38	-	35
Not sure (%)	-	17	-	16	14	-	14
No response (%)	-	1	-	1	0	-	2

7.1 In your opinion, do you think global warming is . . .? (cont.)

A religious issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	10	12	10	8	-	9	13
No (%)	-	-	71	67	71	73	-	77	64
Not sure (%)	-	-	18	20	17	17	-	12	20
No response (%)	-	-	2	1	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	9	-	9	10	-	11
No (%)	-	75	-	77	79	-	77
Not sure (%)	-	15	-	14	10	-	11
No response (%)	-	1	-	0	1	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A social justice (fairness) issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	23	27	23	24	-	26	29
No (%)	-	-	53	46	51	52	-	51	46
Not sure (%)	-	-	22	25	25	22	-	20	24
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	24	-	29	33	-	34
No (%)	-	56	-	48	51	-	46
Not sure (%)	-	19	-	22	16	-	19
No response (%)	-	1	-	1	1	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A political issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	54	56	56	56	-	60	58
No (%)	-	-	27	26	27	28	-	24	23
Not sure (%)	-	-	17	17	16	15	-	14	17
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	57	-	60	61	-	60
No (%)	-	28	-	27	28	-	27
Not sure (%)	-	14	-	13	11	-	11
No response (%)	-	1	-	0	0	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A scientific issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	71	73	71	70	-	71	68
No (%)	-	-	13	13	14	15	-	15	14
Not sure (%)	-	-	15	14	14	14	-	13	16
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	69	-	74	73	-	74
No (%)	-	17	-	14	18	-	15
Not sure (%)	-	13	-	11	9	-	10
No response (%)	-	1	-	1	1	-	2

7.1 In your opinion, do you think global warming is . . .? (cont.)

A health issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	58	62	61	62	-	62	60
No (%)	-	-	23	21	22	22	-	23	21
Not sure (%)	-	-	17	16	16	15	-	13	17
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	58	-	60	62	-	64
No (%)	-	27	-	25	25	-	22
Not sure (%)	-	14	-	14	11	-	13
No response (%)	-	1	-	1	1	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

An economic issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	60	63	61	60	-	60	57
No (%)	-	-	22	19	23	23	-	23	22
Not sure (%)	-	-	16	17	15	16	-	15	19
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	54	-	64	66	-	66
No (%)	-	29	-	22	23	-	20
Not sure (%)	-	15	-	14	11	-	12
No response (%)	-	1	-	1	0	-	2

7.1 In your opinion, do you think global warming is . . .? (cont.)

A national security issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	26	23	26	27	-	29	25
No (%)	-	-	53	50	51	53	-	50	49
Not sure (%)	-	-	20	26	21	19	-	19	24
No response (%)	-	-	1	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	27	-	31	35	-	35
No (%)	-	55	-	49	50	-	47
Not sure (%)	-	17	-	19	14	-	17
No response (%)	-	1	-	1	1	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

An agricultural (farming, food) issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	64	65	62	65	-	66	62
No (%)	-	-	19	17	22	20	-	19	19
Not sure (%)	-	-	16	16	15	15	-	14	16
No response (%)	-	-	2	1	1	1	-	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	63	-	67	68	-	66
No (%)	-	22	-	19	22	-	21
Not sure (%)	-	14	-	13	9	-	11
No response (%)	-	1	-	0	0	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A poverty issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	24	25	27	25	-	28	28
No (%)	-	-	53	50	51	54	-	52	47
Not sure (%)	-	-	21	24	22	20	-	18	23
No response (%)	-	-	2	1	1	1	-	2	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	29	-	32	34	-	37
No (%)	-	54	-	50	51	-	44
Not sure (%)	-	16	-	17	15	-	17
No response (%)	-	1	-	1	0	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A severe weather issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	-	-	63	61	-	65	61
No (%)	-	-	-	-	19	23	-	19	19
Not sure (%)	-	-	-	-	17	15	-	15	17
No response (%)	-	-	-	-	1	1	-	1	2

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	64	-	64	66	-	69
No (%)	-	21	-	22	23	-	19
Not sure (%)	-	13	-	13	11	-	10
No response (%)	-	1	-	0	0	-	1

7.1 In your opinion, do you think global warming is . . .? (cont.)

A humanitarian issue

	Nov 2008	Jan 2010	Jun 2010	May 2011	Nov 2011	Mar 2012	Sep 2012	Apr 2013	Nov 2013
Unweighted Base	2,164	1,001	1,024	1,010	1,000	1,008	1,061	1,045	830
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Apr 2014	Oct 2014	Mar 2015	Oct 2015	Mar 2016	Nov 2016	May 2017	Oct 2017	Mar 2018
Unweighted Base	1,013	1,275	1,263	1,330	1,204	1,226	1,266	1,304	1,278
Yes (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006
Yes (%)	-	51	-	61	58	-	60
No (%)	-	33	-	24	29	-	25
Not sure (%)	-	15	-	15	13	-	14
No response (%)	-	1	-	1	0	-	1

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,006 American adults, aged 18 and older. The survey was conducted September 10 – 20, 2021. All questionnaires were self-administered by respondents in a web-based environment. The median completion time for the survey was 24 minutes.

The sample was drawn from the Ipsos (formerly GfK) KnowledgePanel®, an online panel of members drawn using probability sampling methods. Prospective members are recruited using a combination of random digit dial and address-based sampling techniques that cover virtually all (non-institutional) resident phone numbers and addresses in the United States. Those contacted who would choose to join the panel but do not have access to the Internet are loaned computers and given Internet access so they may participate.

The sample therefore includes a representative cross-section of American adults—irrespective of whether they have Internet access, use only a cell phone, etc. Key demographic variables were weighted, post survey, to match US Census Bureau norms.

From November 2008 to December 2018, no KnowledgePanel® member participated in more than one *Climate Change in the American Mind* (CCAM) survey. Beginning with the April 2019 survey, panel members who have participated in CCAM surveys in the past, excluding the most recent two surveys, may be randomly selected for participation. In the current survey, 300 respondents participated in a previous CCAM survey.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Jennifer Carman, Matthew Goldberg, Karine Lacroix, and Jennifer Marlon of Yale University, and Edward Maibach and John Kotcher of George Mason University. The charts and tables were designed by Liz Neyens of Yale University.

Sample details and margins of error

All samples are subject to some degree of sampling error – that is, statistical results obtained from a sample can be expected to differ somewhat from results that would be obtained if every member of the target population were interviewed. Average margins of error for each wave, at the 95% confidence level, are plus or minus 3 percentage points except where noted.

- September 2021: Fielded September 10 – 20 ($n = 1,006$)
- March 2021: Fielded March 18 – 29 ($n = 1,037$)
- December 2020: Fielded December 3 – 16 ($n = 1,036$)
- April 2020: Fielded April 7 – 17 ($n = 1,029$)
- November 2019: Fielded November 8 – November 20 ($n = 1,303$)
- April 2019: Fielded March 29 – April 8 ($n = 1,291$)
- December 2018: Fielded November 28 – December 11 ($n = 1,114$)
- March 2018: Fielded March 7 – March 24 ($n = 1,278$)
- October 2017: Fielded October 20 – November 1 ($n = 1,304$)
- May 2017: Fielded May 18 – June 6 ($n = 1,266$)
- November 2016: Fielded November 18 – December 1 ($n = 1,226$)
- March 2016: Fielded March 18 – 31 ($n = 1,204$)
- October 2015: Fielded September 30 – October 19 ($n = 1,330$)
- March 2015: Fielded February 27 – March 10 ($n = 1,263$)
- October 2014: Fielded October 17 – 28 ($n = 1,275$)
- April 2014: Fielded April 15 – 22 ($n = 1,013$)
- November 2013: Fielded November 23 – December 9 ($n = 830$)
- April 2013: Fielded April 10 – 15 ($n = 1,045$)
- September 2012: Fielded August 31 – September 12 ($n = 1,061$)
- March 2012: Fielded March 12 – March 30 ($n = 1,008$)
- November 2011: Fielded October 20 – November 16 ($n = 1,000$)
- May 2011: Fielded April 23 – May 12 ($n = 1,010$)
- June 2010: Fielded May 14 – June 1 ($n = 1,024$)
- January 2010: Fielded December 24, 2009 – January 3, 2010 ($n = 1,001$).
- November 2008: Fielded October 7 – November 12 ($n = 2,164$).

– Data were collected over two periods: from October 7 – October 20 and from October 24 – November 12. Margin of error plus or minus 2 percentage points.

Rounding error and tabulation

In data tables, bases specified are unweighted, but percentages are weighted to match national population parameters.

For tabulation purposes, percentage points are rounded to the nearest whole number. As a result, percentages in a given chart may total slightly higher or lower than 100%. Summed response categories (e.g., “strongly agree” + “somewhat agree”) are rounded after sums are calculated. For example, in some cases, the sum of 25% + 25% might be reported as 51% (e.g., $25.3\% + 25.3\% = 50.6\%$, which, after rounding, would be reported as $25\% + 25\% = 51\%$).

Appendix III: Sample Demographics

	<i>n</i> (unweighted)	% (weighted)
Total	1,006	100
Female	506	52
Male	500	48
Generation Z (1997 -)	54	9
Millennials (1981 - 1996)	213	29
Generation X (1965 - 1980)	248	25
Baby Boomers (1946 - 1964)	407	30
Silent (1928 - 1945)	84	6
Less than high school	54	11
High school	255	27
Some college	309	30
Bachelor's degree or higher	388	32
<\$25K	100	13
\$25K-<\$50K	165	18
\$50K-<\$75K	164	17
\$75K-<\$100K	142	14
\$100K-<\$125K	137	12
\$125K+	298	27
White, Non-Hispanic	746	63
Black, Non-Hispanic	86	12
Hispanic	112	16
2+ Races, Non-Hispanic	23	2
Other, Non-Hispanic	39	7
Northeast	174	17
Midwest	218	21
South	390	38
West	224	24

Yale SCHOOL OF
THE ENVIRONMENT

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE COMMUNICATION

