CLIMATE CHANGE IN THE AMERICAN MIND

Beliefs & Attitudes

DECEMBER 2022





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Introduction

This report is based on findings from a nationally representative survey – *Climate Change in the American Mind* – conducted jointly by the <u>Yale Program on Climate Change Communication</u> and the <u>George Mason University Center for Climate Change Communication</u>. Interview dates: December 2 – 12, 2022. Interviews: 1,085 adults (18+). Average margin of error: +/- 3 percentage points at the 95% confidence level. The research was funded by the 11th Hour Project, the Energy Foundation, the MacArthur Foundation, the Heising-Simons Foundation, and the Grantham Foundation.

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Executive Summary

Drawing on a nationally representative survey (n = 1,085) conducted from December 2 – 12, 2022, this report describes Americans' beliefs and attitudes about global warming. We previously reported findings from this survey on <u>public support for U.S. climate policy</u>.

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 4 to 1 (70% versus 16%).
- Those who are "very" or "extremely" sure global warming is happening outnumber those who are "very" or "extremely" sure it is not happening by about 5 to 1 (51% versus 10%).
- More than half of Americans (58%) 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 (58%) understand that most scientists think global warming is happening.

Perceived Risks of Global Warming

- About half of Americans (49%) think people in the United States are being harmed by global warming "right now," and nearly as many (47%) say they have personally experienced the effects of global warming.
- 44% of Americans think they will be harmed by global warming, 48% think their family will be harmed, and half (50%) think people in their community will be harmed. Majorities of Americans think global warming will harm people in the U.S. (62%), people in developing countries (66%), the world's poor (66%), future generations of people (68%), and plant and animal species (70%).
- One in ten Americans (10%) have considered moving to avoid the impacts of global warming.

Global Warming, Emotional Responses, and Mental Health

- A majority of Americans (64%) say they are at least "somewhat worried" about global warming. This includes about one in four (27%) who say they are "very worried."
- More than half of Americans (58%) say they feel "interested" when thinking about global warming. Four in ten or more say they feel "frustrated" (48%), "hopeful" (41%), "sad" (40%), or "disgusted" (40%). Fewer say they feel "angry" (35%), "afraid" (34%), "outraged" (34%), "anxious" (32%), "hopeless" (29%), or "depressed" (23%).
- About one in ten Americans report experiencing symptoms of anxiety because of global warming for several or more days out of the last two weeks. Almost as many report experiencing symptoms of depression because of global warming.
- About one in four Americans (27%) say they try not to think about global warming, and 15% say they try to avoid information about global warming. About one in ten say they often have trouble stopping themselves from consuming bad news about global warming (11%) or seek social or emotional support to help manage their concerns about global warming (10%).





• Eight percent of Americans say they are discussing their feelings about global warming with a counselor or therapist or would be interested in doing so.

Personal and Social Engagement with Global Warming

- Most Americans (63%) say they "rarely" or "never" discuss global warming with family and friends, while 37% say they do so "occasionally" or "often."
- More than half of Americans (57%) say they hear about global warming in the media about once a month or more frequently. Fewer (25%) say they hear people they know talk about global warming once a month or more frequently.
- Two in three Americans (67%) say the issue of global warming is either "extremely," "very," or "somewhat" important to them personally, while 33% say it is either "not too" or "not at all" personally important.
- Fewer than half of Americans think their friends and family take action on global warming or that their friends and family expect *them* to take action: 36% say their family and friends make at least "a moderate amount of effort" to reduce global warming (a descriptive norm) while 41% think it is at least "moderately" important to their family and friends that *they* take action (an injunctive norm).
- A majority of Americans (63%) say they feel a personal sense of responsibility to help reduce global warming.
- About three in ten Americans (29%) say they look for information about solutions to global warming several times a year or more often.

Fatalism

• A majority of Americans (61%) *disagree* with the statement "it's already too late to do anything about global warming," while only 14% agree.

Impacts of Global Warming

- A majority of Americans (60%) think global warming is affecting weather in the United States, including 31% who think weather is being affected "a lot."
- Majorities of Americans think global warming is affecting many environmental problems in the United States including extreme heat, droughts, and wildfires (all 70%), water shortages (68%), rising sea levels (67%), flooding (66%), air pollution (64%), hurricanes (64%), tornados (62%), reduced snow pack (61%), agricultural pests and diseases (60%), water pollution (58%), and electricity power outages (57%).
- A majority of Americans (56%) think extreme weather poses either a "high" (17%) or "moderate" (38%) risk to their community over the next 10 years.
- Majorities of Americans are worried about harm to their local area from water pollution (79%), electricity power outages (79%), air pollution (78%), droughts (75%), extreme heat (74%), agricultural pests and diseases (74%), water shortages (72%), flooding (65%), wildfires (62%), and tornados (61%). About half are worried about rising sea levels (52%), reduced snow pack (49%), and hurricanes (48%).





1. Global Warming Beliefs

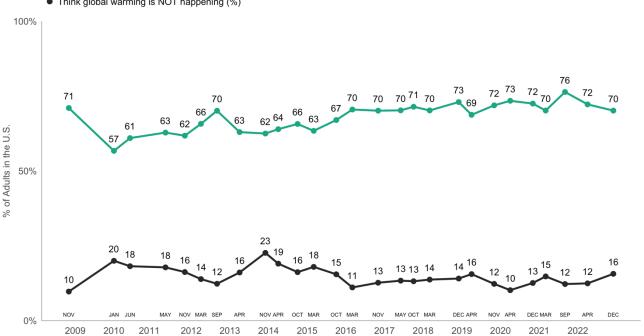
1.1. Most Americans think global warming is happening.

Americans who think global warming is happening outnumber those who think it is not happening by a ratio of more than 4 to 1.

Seven in ten Americans (70%) think global warming is happening. By contrast, only 16% of Americans think global warming is not happening. Fourteen percent say they don't know if global warming is happening (see data tables, p. 32).

Most Americans think global warming is happening

- Think global warming is happening (%)
- Think global warming is NOT happening (%)



Do you think global warming is happening?

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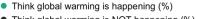


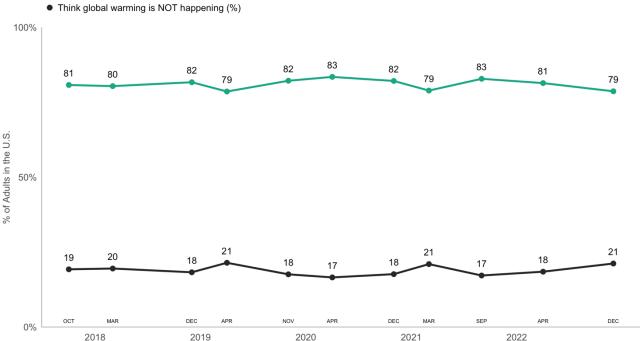
1.2. When Americans who "don't know" if global warming is happening are asked for their best guess, more say "yes" than "no."

Survey respondents who say they "don't know" whether global warming is happening in response to the question in Section 1.1 (see data tables, p. 32) are then asked to provide their best guess as to whether or not global warming is happening. Over time, this follow-up question has produced a relatively stable pattern in which more of these Americans "lean" toward "yes" than "no" (see data tables, p. 33).

When the "leaners," as determined by this follow-up question, are added to the totals of those who responded "yes" or "no" to the question in Section 1.1, we find that a total of 79% of Americans think global warming is happening or lean toward that position, while 21% think global warming is not happening or lean toward that position.

When Americans who "don't know" if global warming is happening are asked for their best guess, more say "yes" than "no."





Even if you don't know, what's your best guess about whether global warming is happening?

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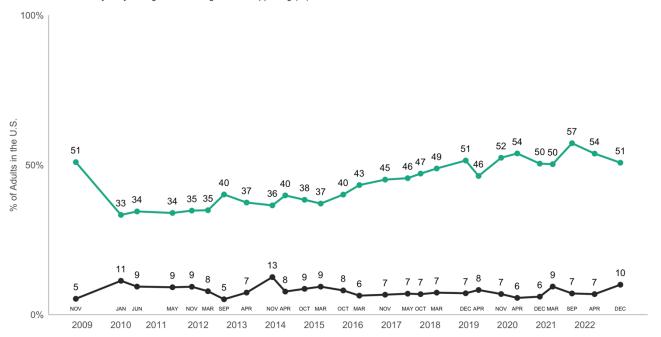


1.3. About half of Americans are "extremely" or "very" sure global warming is happening. Very few are as sure it isn't happening.

About half of Americans (51%) are either "extremely" or "very" sure global warming is happening. Far fewer (10%) are "extremely" or "very" sure global warming is not happening.

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

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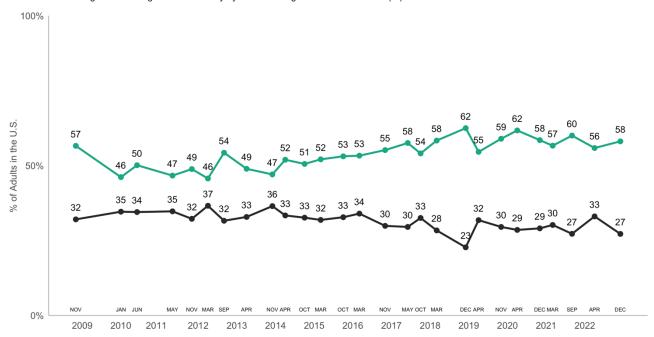
1.4. A majority of Americans think global warming is mostly human-caused.

The Intergovernmental Panel on Climate Change's Sixth Assessment <u>report</u>, written and reviewed by thousands of climate experts worldwide, states: "It is unequivocal that human influence has warmed the atmosphere, ocean and land."¹

More than half of Americans (58%) 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.

A majority of 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 . . .

December 2022

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.





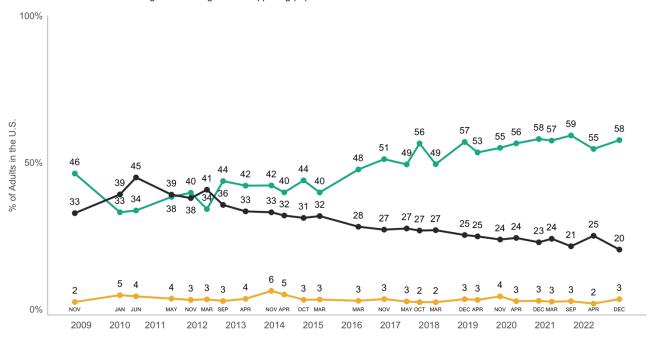
1.5. A majority of Americans understand that most scientists think global warming is happening.

A review by Cook and colleagues² found that six independent, peer-reviewed studies examining the scientific consensus about global warming have concluded that between 90% and 100% of climate scientists are convinced human-caused global warming is happening. A more recent study found that as many as 98% of climate scientists are convinced global warming is happening and human-caused.³

A majority of Americans (58%) understand that most scientists think global warming is happening. By contrast, one in five Americans (20%) think there is a lot of disagreement among scientists about whether or not global warming is happening. 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

- Most scientists think global warming is happening (%)
- There is a lot of disagreement among scientists (%)
- Most scientists think global warming is NOT happening (%)



What comes closest to your own view?

December 2022

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





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

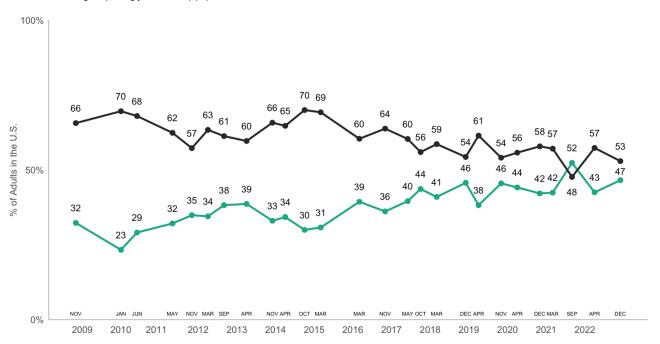
2. Perceived Risks of Global Warming

2.1. Many Americans say they have personally experienced the effects of global warming.

Many Americans (47%) agree with the statement "I have personally experienced the effects of global warming," while 53% disagree.

Many 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.

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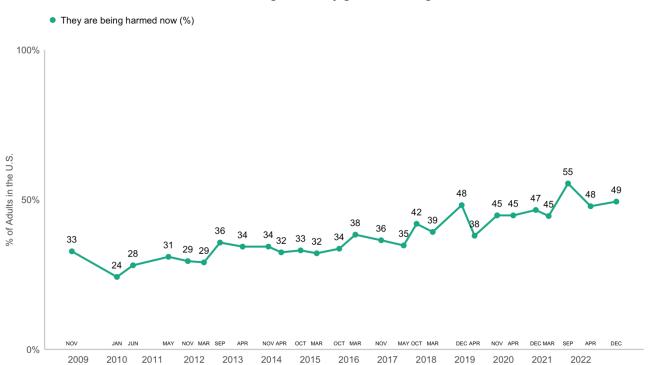




2.2. About half of Americans think people in the U.S. are being harmed "right now" by global warming.

About half of Americans (49%) think people in the U.S. are being harmed by global warming "right now."

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



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

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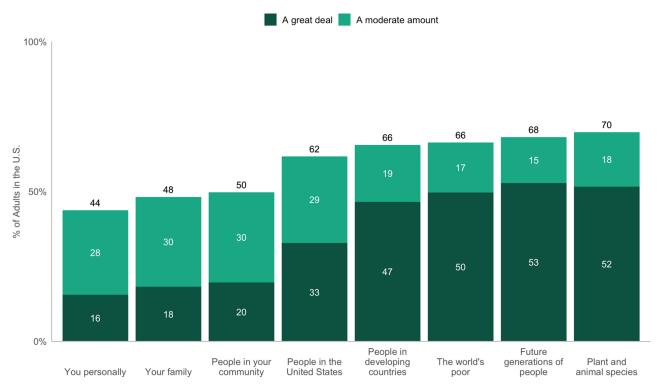




2.3. Many Americans think global warming will harm them, but more think others will be harmed.

A majority of Americans understand that global warming will cause harm. Americans are most likely to think plant and animal species (70%), future generations of people (68%) the world's poor and people in developing countries (both 66%), and people in the U.S. (62%) will be harmed either "a great deal" or "a moderate amount" by global warming. Fewer think people in their community (50%), their family (48%), or they themselves (44%) will be harmed.

Many Americans think global warming will harm them, but more think others will be harmed



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

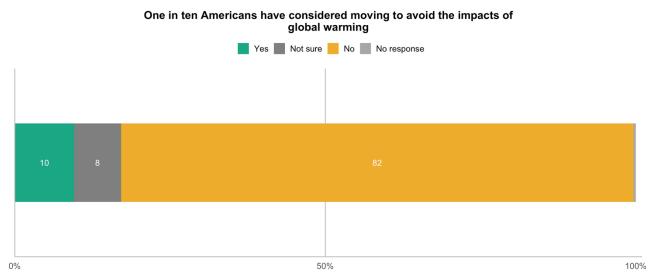
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2.4. One in ten Americans have considered moving to avoid the impacts of global warming.

Research indicates⁴ that an increasing number of people in the United States may be considering moving away from areas particularly vulnerable to climate change impacts. We find that 10% of Americans have considered moving to avoid the impacts of global warming, while 82% have not, and 8% are not sure.



Have you ever considered moving to a different home to avoid the impacts of global warming, such as sea-level rise, flooding, heat waves, or wildfires?

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⁴ Hauer, M. E. (2017). Migration induced by sea-level rise could reshape the US population landscape. *Nature Climate Change*, 7(5), 321-325. doi:10.1038/nclimate3271



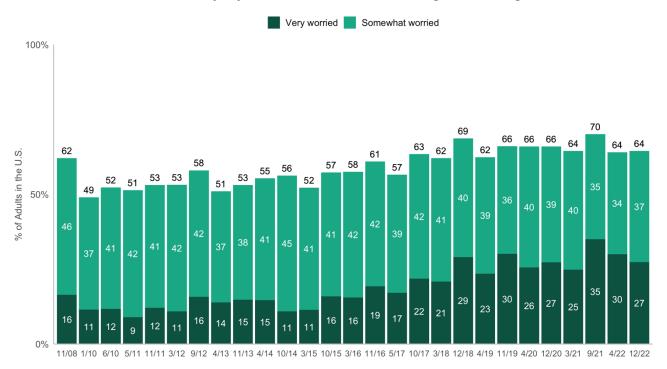


3. Global Warming, Emotional Responses, and Mental Health

3.1. A majority of Americans are worried about global warming.

A majority of Americans (64%) say they are at least "somewhat worried" about global warming. This includes 27% of Americans who are "very worried" about global warming.

A majority of Americans are worried about global warming



How worried are you about global warming?

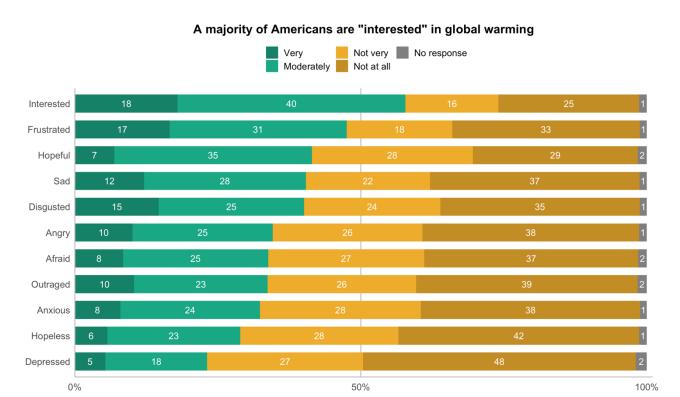
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3.2. A majority of Americans are "interested" in global warming.

When asked how strongly they feel various emotions when thinking about global warming, more than half of Americans (58%) say they feel "very" or "moderately" interested. Additionally, four in ten or more say they feel frustrated (48%), hopeful (41%), sad (40%), or disgusted (40%). Fewer say they feel angry (35%), afraid (34%), outraged (34%), anxious (32%), hopeless (29%), or depressed (23%).



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

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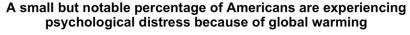


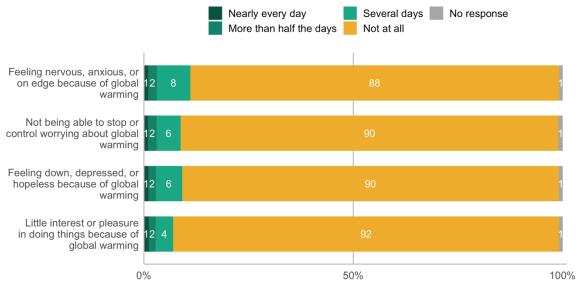


3.3. A small but notable percentage of Americans are experiencing psychological distress because of global warming.

To assess anxiety and depression symptoms arising from people's concerns about global warming, we adapted previously validated brief screening instruments for general anxiety disorder (the <u>GAD-2</u>)⁵ and depression (the <u>PHQ-2</u>).⁶

We found that about one in ten Americans report experiencing symptoms of anxiety because of global warming for at least "several days" out of the last two weeks, including "feeling nervous, anxious, or on edge because of global warming" (11%) or "not being able to stop or control worrying about global warming" (9%). Similar percentages report experiencing symptoms of depression because of global warming for at least "several days" out of the last two weeks, including "feeling down, depressed, or hopeless because of global warming" (9%) or having "little interest or pleasure in doing things because of global warming" (7%).





Over the last 2 weeks, how often have you been bothered by the following problems?

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⁶ Kroenke, K., Spitzer, R. L., & Williams, J. B. (2003). The Patient Health Questionnaire-2: validity of a two-item depression screener. *Medical care*, 1284-1292. doi:jstor.org/stable/3768417



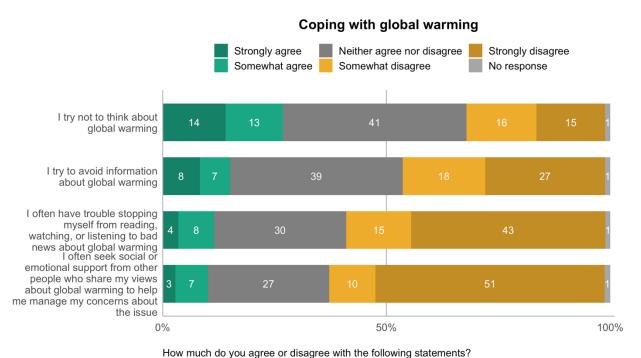


⁵ Kroenke, K., Spitzer, R. L., Williams, J. B., Monahan, P. O., & Löwe, B. (2007). Anxiety disorders in primary care: prevalence, impairment, comorbidity, and detection. *Annals of internal medicine*, *146*(5), 317-325. doi:10.7326/0003-4819-146-5-200703060-00004

3.4. Coping with global warming.

A small but notable percentage of Americans use avoidance strategies to help them cope with global warming. About one in four Americans (27%) say they "try not to think about global warming" and 15% say they "try to avoid information about global warming."

Some Americans also say they have difficulty coping with global warming – about one in ten Americans (11%) say they "often have trouble stopping myself from reading, watching, or listening to bad news about global warming." Additionally, some Americans seek social or emotional support to help them cope – one in ten (10%) say they "often seek social or emotional support from other people who share my values about global warming to help me manage my concerns about the issue."



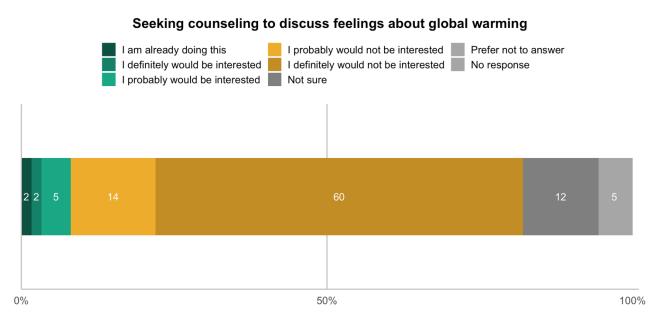
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3.5. Seeking counseling to discuss feelings about global warming.

A total of 8% of Americans say they are either already discussing their feelings about global warming with a counselor or therapist (2%), or would definitely (2%) or probably be interested in doing so (5%). In contrast, about three in four Americans (74%) say they would either probably not (14%) or definitely not (60%) be interested in discussing their feelings about global warming with a counselor or therapist.



How interested would you be in discussing your feelings about global warming with a counselor or therapist?

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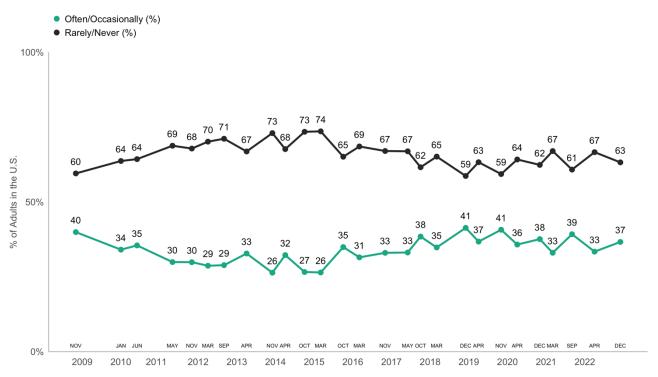


4. Personal and Social Engagement with Global Warming

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

Most Americans (63%) say they either "rarely" (30%) or "never" (33%) discuss global warming with family and friends, while 37% say they discuss global warming either "occasionally" (29%) or "often" (8%).

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



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

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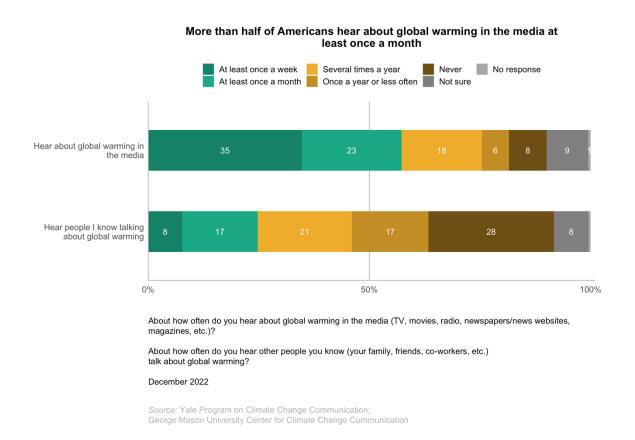




4.2. More than half of Americans hear about global warming in the media at least once a month; fewer hear people they know talking about it at least once a month.

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 8% who say they never hear about global warming in the media.

In contrast, only one in four Americans (25%) say they hear people they know talk about global warming once a month or more often, while two in three (67%) 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.





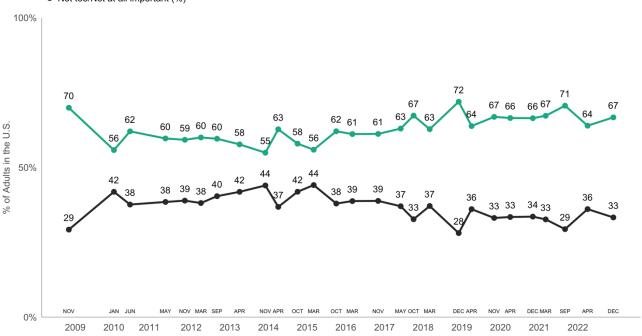


4.3. A majority of Americans say the issue of global warming is personally important.

Two in three Americans (67%) say the issue of global warming is either "extremely" (14%), "very" (21%), or "somewhat" (31%) important to them personally. One in three (33%) say global warming is either "not too" (16%) or "not at all" (18%) personally important.

A majority of 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?

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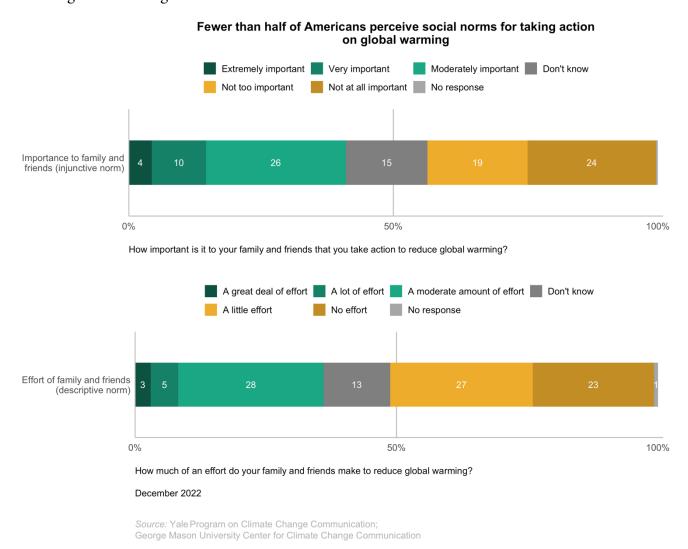




4.4. Fewer than half of Americans perceive social norms for taking action on global warming.

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

About four in ten Americans (41%) perceive an injunctive norm, saying it is either "extremely" (4%), "very" (10%), or "moderately" (26%) important to their family and friends that *they* take action to reduce global warming. Similarly, 36% perceive a descriptive norm, saying their family and friends make either "a great deal of effort" (3%), "a lot of effort" (5%), 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. doi:10.1111/j.1467-9280.2007.01917.x





4.5. A majority of Americans feel a personal sense of responsibility to help reduce global warming.

A majority of Americans (63%) agree either "strongly" (19%) or "somewhat" (44%) that they feel a personal sense of responsibility to help reduce global warming.

A majority of Americans feel a personal sense of responsibility to help reduce global warming Strongly agree Somewhat agree No response Somewhat disagree Strongly disagree

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

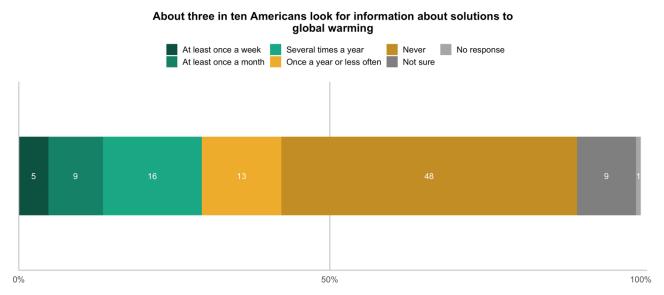
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4.6. About three in ten Americans look for information about solutions to global warming.

About three in ten Americans (29%) say they look for information about solutions to global warming several times a year or more often, while six in ten (60%) say they look for solutions once a year or less often, including 48% who say they never do so.



About how often do you look for information about solutions to global warming?

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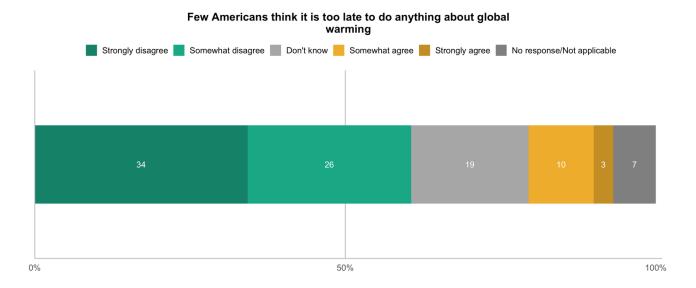




5. Fatalism

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

A majority of Americans (61%) either "strongly" (34%) or "somewhat" (26%) *disagree* with the statement: "it's already too late to do anything about global warming." By contrast, relatively few Americans (14%) either "strongly" (3%) or "somewhat" (10%) agree with this statement.



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

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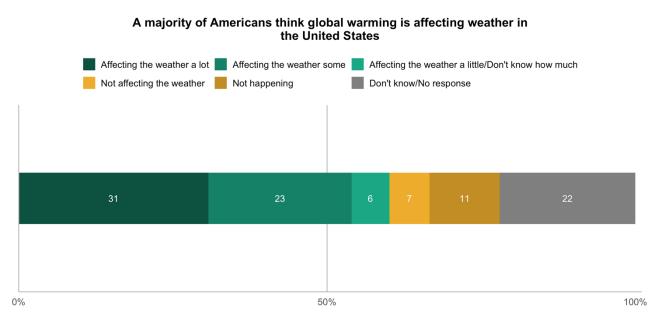




6. Impacts of Global Warming

6.1. A majority of Americans think global warming is affecting weather in the United States.

Sixty percent of Americans think global warming is affecting weather in the United States, including a majority (54%) who think global warming is affecting U.S. weather either "a lot" (31%) or "some" (23%).



Which statement best reflects your view? (a) Global warming is affecting weather in the United States; (b) Global warming is not affecting weather in the United States; (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 United States?

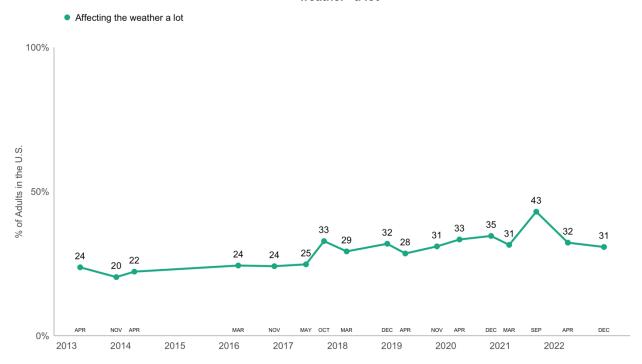
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As noted above, 31% of Americans think global warming is affecting weather "a lot." This is about the same level as in most of our surveys since October 2017.

About one in three Americans think global warming is affecting weather "a lot"



Which statement best reflects your view? (a) Global warming is affecting weather in the United States; (b) Global warming is not affecting weather in the United States; (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 United States?

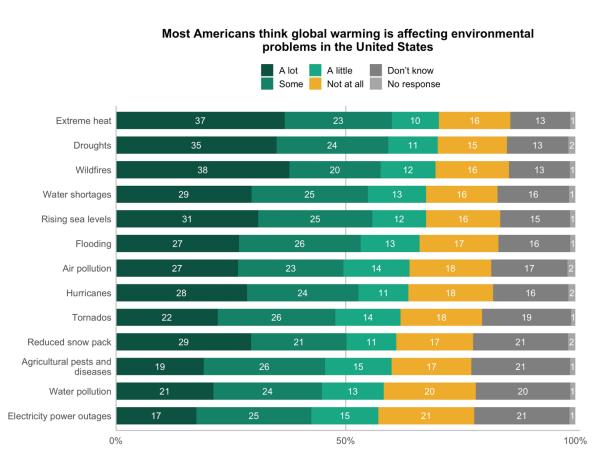
December 2022





6.2. Most Americans think global warming is affecting environmental problems in the United States.

Most Americans think global warming is affecting many environmental problems in the United States at least "a little." This includes seven in ten who think global warming is affecting extreme heat, droughts, and wildfires (all 70%). Six in ten or more think global warming is affecting water shortages (68%), rising sea levels (67%), flooding (66%), air pollution (64%), hurricanes (64%), tornados (62%), reduced snow pack (61%), and agricultural pests and diseases (60%). Majorities also think global warming is affecting water pollution (58%) and electricity power outages (57%).



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

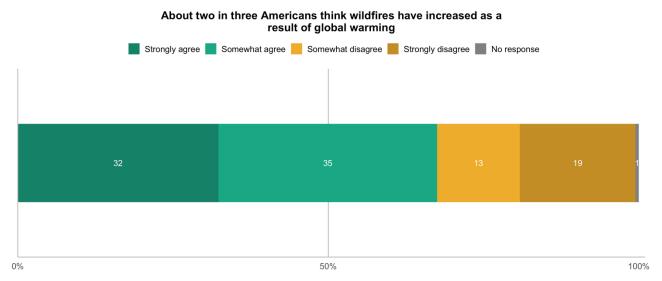
December 2022





6.3. About two in three Americans think wildfires have increased as a result of global warming.

About two in three Americans (68%) either "strongly" (32%) or "somewhat" (35%) agree that wildfires have increased around the world as a result of global warming.



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

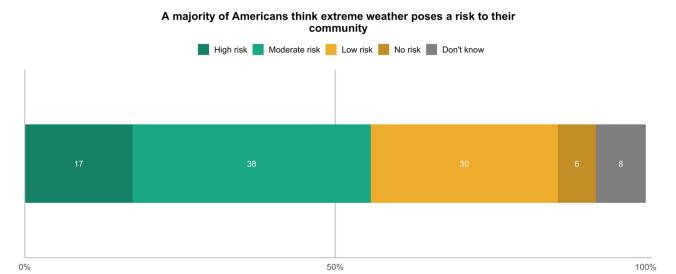
December 2022





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

A majority of Americans (56%) think extreme weather poses either a "high" (17%) or "moderate" (38%) risk to their community over the next 10 years. Fewer think extreme weather poses either a "low" risk (30%) or "no" risk (6%).



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

December 2022

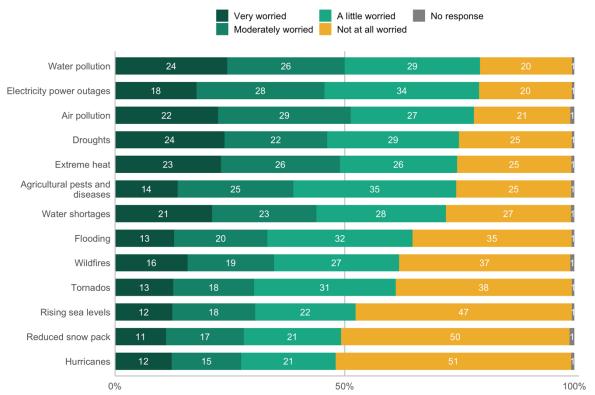




6.5. A majority of Americans are worried about harm from environmental problems in their local area.

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. Majorities of Americans are at least "a little worried" about harm to their local area from water pollution (79%), electricity power outages (79%), air pollution (78%), droughts (75%), extreme heat (74%), agricultural pests and diseases (74%), water shortages (72%), flooding (65%), wildfires (62%), and tornados (61%). About half of Americans are worried about rising sea levels (52%), reduced snow pack (49%), and hurricanes (48%).

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?

December 2022





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Yes (%)	73	69	72	73	72	70	76	72	70
No (%)	14	16	12	10	13	15	12	12	16
Don't know (%)	13	16	16	16	15	15	11	15	14
No response (%)	0	-	0	-	0	-	-	-	-





1.2 Even if you don't know, what's your best guess about whether 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, global warming is	-	-	-	-	-	-	-	-	-
happening (%)									
No, global warming is not	-	-	-	-	-	-	-	-	-
happening (%)									
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
Yes, global warming is	-	-	-	-	-	-	-	9	10
happening (%)									
No, global warming is not	-	-	-	-	-	-	-	6	6
happening (%)									
No response (%)	-	-	-	-	-	-	-	-	0
Not applicable (%)	-	-	-	-	-	-	-	85	84

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Yes, global warming is	9	10	10	10	10	9	6	9	9
happening (%)									
No, global warming is not	4	6	5	6	5	6	5	6	6
happening (%)									
No response (%)	-	-	0	-	0	0	-	0	0
Not applicable (%)	87	84	84	84	85	85	89	85	86





1.3 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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Extremely sure (%)	31	27	31	32	31	27	35	32	31
Very sure (%)	21	19	21	22	20	23	23	21	20
Somewhat sure (%)	20	20	17	18	21	19	17	17	18
Not at all sure (%)	2	2	2	2	1	1	2	2	2
No response (%)	-	-	0	-	-	-	-	-	-
Not applicable (%)	27	31	28	27	28	30	24	28	30





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Extremely sure (%)	3	3	4	2	2	4	3	3	5
Very sure (%)	4	5	3	4	4	5	4	4	5
Somewhat sure (%)	6	6	5	4	4	5	4	4	4
Not at all sure (%)	1	2	1	1	2	1	1	2	1
No response (%)	-	0	0	-	0	-	-	-	-
Not applicable (%)	86	84	88	90	87	85	88	88	84





1.4 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 (%)	57	46	50	47	49	46	54	49	47
Caused by human activities and natural changes (%)	5	6	7	7	6	9	5	7	5
Caused mostly by natural changes in the environment (%)	32	35	34	35	32	37	32	33	36
Neither because global warming isn't happening (%)	4	9	6	8	8	5	7	8	8
Other (%)	1	1	1	1	2	2	1	2	3
Don't know (%)	1	1	1	1	1	1	1	0	-
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	51	52	53	53	55	58	54	58
Caused by human activities and natural changes (%)	5	6	4	5	5	5	6	6	5
Caused mostly by natural changes in the environment (%)	33	33	32	33	34	30	30	33	28
Neither because global warming isn't happening (%)	7	9	10	8	7	8	6	6	7
Other (%)	1	1	1	1	1	1	1	1	1
Don't know (%)	1	1	1	0	1	1	1	0	0
No response (%)	1	-	-	-	-	0	0	0	0

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Caused mostly by human activities (%)	62	55	59	62	58	57	60	56	58
Caused by human activities and natural changes (%)	6	6	5	5	6	5	6	5	4
Caused mostly by natural changes in the environment (%)	23	32	30	29	29	30	27	33	27
Neither because global warming isn't happening (%)	8	6	5	5	5	8	5	5	10
Other (%)	0	1	1	0	1	0	1	1	1
Don't know (%)	0	1	0	0	0	0	1	0	0
No response (%)	0	0	0	0	0	-	0	-	0





1.5 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	46	33	34	38	40	34	44	42	42
global warming is									
happening (%)									
There is a lot of	33	39	45	39	38	41	36	33	33
disagreement among									
scientists about whether or									
not global warming is									
happening (%)									
Most scientists think	2	5	4	4	3	3	3	4	6
global warming is not									
happening (%)									
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	40	44	40	-	48	51	49	56	49
global warming is									
happening (%)									
There is a lot of	32	31	32	-	28	27	27	27	27
disagreement among									
scientists about whether or									
not global warming is									
happening (%)									
Most scientists think	5	3	3	-	3	3	3	2	2
global warming is not									
happening (%)									
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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Most scientists think	57	53	55	56	58	57	59	55	58
global warming is									
happening (%)									
There is a lot of	25	25	24	24	23	24	21	25	20
disagreement among									
scientists about whether or									
not global warming is									
happening (%)									
Most scientists think	3	3	4	3	3	3	3	2	3
global warming is not									
happening (%)									
Don't know enough to say	14	19	17	16	16	16	17	19	19
(%)									
No response (%)	0	0	-	0	0	-	-	-	-





2.1 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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Strongly agree (%)	11	6	10	9	12	7	12	9	12
Somewhat agree (%)	35	32	35	35	30	36	40	33	34
Somewhat disagree (%)	24	28	23	26	24	26	21	25	22
Strongly disagree (%)	31	33	31	30	34	31	26	33	31
No response (%)	-	0	0	0	-	1	-	0	1





2.2 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	33	24	28	31	29	29	36	34	34
now (%)									
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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
They are being harmed	48	38	45	45	47	45	55	48	49
now (%)									
In 10 years (%)	7	10	12	13	12	11	9	9	9
In 25 years (%)	14	13	12	12	10	10	8	10	9
In 50 years (%)	7	11	9	9	9	8	7	9	8
In 100 years (%)	9	12	9	8	9	9	8	8	8
Never (%)	14	15	14	13	14	16	13	16	16
No response (%)	0	0	0	0	0	0	0	0	0





2.3 How much do you think global warming will harm \dots ?

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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	22	14	18	13	15	15	21	17	16
A moderate amount (%)	27	29	26	29	28	30	29	30	28
Only a little (%)	20	24	24	26	24	24	21	21	23
Not at all (%)	20	25	22	21	23	22	20	23	22
Don't know (%)	10	8	11	10	10	10	9	9	12
No response (%)	0	0	0	-	0	0	-	-	-



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	27	18	21	16	19	17	26	21	18
A moderate amount (%)	29	30	28	30	30	32	29	30	30
Only a little (%)	17	22	22	24	20	22	18	21	20
Not at all (%)	17	22	18	19	21	19	18	20	20
Don't know (%)	9	9	11	11	10	10	9	9	12
No response (%)	-	0	0	-	0	0	-	-	-





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	27	19	22	17	19	18	25	19	20
A moderate amount (%)	30	30	29	31	32	33	31	33	30
Only a little (%)	16	22	20	23	19	21	17	20	20
Not at all (%)	16	21	17	17	19	18	16	18	18
Don't know (%)	10	8	11	11	10	11	10	9	12
No response (%)	0	0	0	0	0	0	-	-	-



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	38	30	35	29	32	31	38	31	33
A moderate amount (%)	27	28	30	33	30	32	29	33	29
Only a little (%)	12	15	12	16	14	13	12	14	13
Not at all (%)	13	17	13	12	13	14	11	14	14
Don't know (%)	10	9	10	10	11	9	9	8	11
No response (%)	0	0	0	-	-	0	-	-	-



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	48	42	48	44	46	47	52	44	47
A moderate amount (%)	20	22	19	22	21	21	19	25	19
Only a little (%)	8	11	8	10	10	9	7	9	9
Not at all (%)	11	15	12	10	10	12	11	12	13
Don't know (%)	13	10	12	14	13	11	11	10	13
No response (%)	0	0	0	-	0	0	-	-	-



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 (%)	-	-	-	-	-	-	-	-	-

	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

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	50	44	50	46	48	47	55	50	50
A moderate amount (%)	17	20	16	21	18	21	16	20	17
Only a little (%)	8	11	9	11	10	9	8	8	9
Not at all (%)	12	15	13	10	12	13	11	13	13
Don't know (%)	13	10	12	12	13	11	11	10	12
No response (%)	-	0	0	-	0	0	-	-	-





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	59	52	57	53	55	55	58	54	53
A moderate amount (%)	16	17	15	20	17	16	16	18	15
Only a little (%)	6	9	7	9	8	8	7	10	8
Not at all (%)	9	13	10	7	8	11	9	10	12
Don't know (%)	10	9	11	11	12	10	10	9	12
No response (%)	-	0	0	-	0	0	-	-	-



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal (%)	58	52	57	54	55	53	59	54	52
A moderate amount (%)	16	19	16	19	18	18	17	18	18
Only a little (%)	8	10	7	9	9	9	7	10	8
Not at all (%)	9	11	10	8	8	11	8	9	11
Don't know (%)	9	8	10	10	10	9	9	9	12
No response (%)	0	0	0	-	0	0	-	-	-



2.4 Have you ever considered moving to a different home to avoid the impacts of global warming, such as sea-level rise, flooding, heat waves, or 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
Yes (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
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 (%)	-	-	-	-	-	-	-	-	-
Not sure (%)	-	-	-	-	-	-	-	-	-
No (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Yes (%)	-	-	-	-	-	-	-	13	10
Not sure (%)	-	-	-	-	-	-	-	8	8
No (%)	-	-	-	-	-	-	-	78	82
No response (%)	-	-	-	-	-	-	-	1	0





3.1 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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	29	23	30	26	27	25	35	30	27
Somewhat worried (%)	40	39	36	40	39	40	35	34	37
Not very worried (%)	19	23	19	22	20	19	18	19	19
Not at all worried (%)	13	14	15	12	14	17	12	17	16
No response (%)	0	-	-	-	-	-	-	-	-





Afraid

	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	9	12	-	-	-	-	10
Moderately (%)	-	26	28	27	-	-	-	-	25
Not very (%)	-	27	27	25	-	-	-	-	27
Not at all (%)	-	34	34	33	-	-	-	-	34
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	12	-	14	10
Moderately (%)	-	-	-	-	31	30	-	34	28
Not very (%)	-	-	-	-	26	27	-	28	31
Not at all (%)	-	-	-	-	30	29	-	22	28
No response (%)	-	-	-	-	1	1	-	2	3

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	13	-	15	7	8	-	-	15	8
Moderately (%)	36	-	31	28	29	-	-	31	25
Not very (%)	26	-	23	26	26	-	-	24	27
Not at all (%)	24	-	30	38	36	-	-	29	37
No response (%)	1	-	1	1	1	-	-	1	2





Hopeless

	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 (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	-	-	-	5	4	-	-	-	6
Moderately (%)	-	-	-	23	25	-	-	-	23
Not very (%)	-	-	-	30	28	-	-	-	28
Not at all (%)	-	-	-	40	42	-	-	-	42
No response (%)	-	-	-	1	1	-	-	-	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	25	-	23	19	19	-	22	19	18
Moderately (%)	44	-	41	44	41	-	44	43	40
Not very (%)	18	-	17	17	18	-	17	18	16
Not at all (%)	12	-	18	18	21	-	16	19	25
No response (%)	1	-	1	1	1	-	1	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	15	-	16	13	11	-	15	14	10
Moderately (%)	33	-	29	27	26	-	32	30	25
Not very (%)	27	-	23	23	26	-	25	27	26
Not at all (%)	24	-	31	35	36	-	26	28	38
No response (%)	1	-	1	1	1	-	1	1	1



Sad

	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 (%)	-	11	10	12	-	-	-	-	11
Moderately (%)	-	29	33	32	-	-	-	-	29
Not very (%)	-	24	20	19	-	-	-	-	23
Not at all (%)	-	31	34	35	-	-	-	-	34
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 (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	-	-	-	-	-	-	-	20	12
Moderately (%)	-	-	-	-	-	-	-	31	28
Not very (%)	-	-	-	-	-	-	-	21	22
Not at all (%)	-	-	-	-	-	-	-	27	37
No response (%)	-	-	-	-	-	-	-	1	1



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	10	-	9	10	7	-	7	9	7
Moderately (%)	38	-	33	35	36	-	35	30	35
Not very (%)	34	-	34	30	31	-	36	37	28
Not at all (%)	17	-	22	23	25	-	21	24	29
No response (%)	1	-	1	2	1	-	2	1	2





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	19	-	20	16	13	-	21	18	15
Moderately (%)	34	-	30	30	29	-	33	33	25
Not very (%)	24	-	21	20	22	-	21	22	24
Not at all (%)	22	-	28	33	35	-	24	26	35
No response (%)	1	-	1	1	1	-	1	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	14	-	17	13	10	-	15	14	10
Moderately (%)	29	-	28	27	26	-	30	28	23
Not very (%)	29	-	22	22	25	-	27	25	26
Not at all (%)	27	-	32	37	38	-	27	32	39
No response (%)	1	-	1	1	1	-	1	1	2





Anxious

	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 (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	-	-	-	7	7	-	-	-	8
Moderately (%)	-	-	-	27	24	-	-	-	24
Not very (%)	-	-	-	26	27	-	-	-	28
Not at all (%)	-	-	-	39	41	-	-	-	38
No response (%)	-	-	-	1	1	-	-	-	1





Depressed

	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 (%)	-	-	-	-	-	-	-	-	-
Moderately (%)	-	-	-	-	-	-	-	-	-
Not very (%)	-	-	-	-	-	-	-	-	-
Not at all (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very (%)	-	-	-	5	4	-	-	-	5
Moderately (%)	-	-	-	19	17	-	-	-	18
Not very (%)	-	-	-	27	27	-	-	-	27
Not at all (%)	-	-	-	48	50	-	-	-	48
No response (%)	-	-	-	1	1	-	-	-	2





Frustrated

	Dec 2022
Unweighted Base	1,085
Very (%)	17
Moderately (%)	31
Not very (%)	18
Not at all (%)	33
No response (%)	1





3.3 Over the last 2 weeks, how often have you been bothered by the following problems?

Feeling nervous, anxious, or on edge because of global warming

	Dec 2022
Unweighted Base	1,085
Nearly every day (%)	1
More than half the days	2
(%)	
Several days (%)	8
Not at all (%)	88
No response (%)	1

Not being able to stop or control worrying about global warming

	Dec 2022
Unweighted Base	1,085
Nearly every day (%)	1
More than half the days	2
(%)	
Several days (%)	6
Not at all (%)	90
No response (%)	1

Little interest or pleasure in doing things because of global warming

	Dec 2022
Unweighted Base	1,085
Nearly every day (%)	1
More than half the days	2
(%)	
Several days (%)	4
Not at all (%)	92
No response (%)	1





Over the last 2 weeks, how often have you been bothered by the following problems?

Feeling down, depressed, or hopeless because of global warming

	Dec 2022
Unweighted Base	1,085
Nearly every day (%)	1
More than half the days	2
(%)	
Several days (%)	6
Not at all (%)	90
No response (%)	1

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

I often seek social or emotional support from other people who share my views about global warming to help me manage my concerns about the issue

	Dec 2022
Unweighted Base	1,085
Strongly agree (%)	3
Somewhat agree (%)	7
Neither agree nor disagree	27
(%)	
Somewhat disagree (%)	10
Strongly disagree (%)	51
No response (%)	1

I try to avoid information about global warming

	Dec 2022
Unweighted Base	1,085
Strongly agree (%)	8
Somewhat agree (%)	7
Neither agree nor disagree	39
(%)	
Somewhat disagree (%)	18
Strongly disagree (%)	27
No response (%)	1





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

I try not to think about global warming

	Dec 2022
Unweighted Base	1,085
Strongly agree (%)	14
Somewhat agree (%)	13
Neither agree nor disagree	41
(%)	
Somewhat disagree (%)	16
Strongly disagree (%)	15
No response (%)	1

I often have trouble stopping myself from reading, watching, or listening to bad news about global warming

	Dec 2022
Unweighted Base	1,085
Strongly agree (%)	4
Somewhat agree (%)	8
Neither agree nor disagree	30
(%)	
Somewhat disagree (%)	15
Strongly disagree (%)	43
No response (%)	1

3.5 How interested would you be in discussing your feelings about global warming with a counselor or therapist?

	Dec 2022
Unweighted Base	1,085
I am already doing this (%)	2
I definitely would be	2
interested (%)	
I probably would be	5
interested (%)	
I probably would not be	14
interested (%)	
I definitely would not be	60
interested (%)	
Prefer not to answer (%)	5
Not sure (%)	12
No response (%)	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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Often (%)	8	6	9	5	6	6	7	5	8
Occasionally (%)	34	31	32	31	32	27	32	28	29
Rarely (%)	33	33	32	38	31	34	30	35	30
Never (%)	26	30	27	26	32	33	30	32	33
No response (%)	-	-	-	0	0	-	-	-	0





4.2 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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
At least once a week (%)	34	31	35	24	27	27	35	33	35
At least once a month (%)	22	20	21	24	23	21	22	24	23
Several times a year (%)	22	21	19	24	24	27	18	19	18
Once a year or less often (%)	5	6	6	8	7	6	5	7	6
Never (%)	6	8	6	8	7	7	9	6	8
Not sure (%)	8	13	13	12	10	11	10	11	9
No response (%)	2	1	1	1	1	1	1	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
At least once a week (%)	9	8	8	6	5	6	9	8	8
At least once a month (%)	17	15	16	16	16	13	15	15	17
Several times a year (%)	24	23	23	24	23	22	23	20	21
Once a year or less often	19	16	15	23	21	20	15	19	17
(%)									
Never (%)	22	24	25	24	28	28	28	28	28
Not sure (%)	7	12	12	8	7	9	9	8	8
No response (%)	1	1	1	1	0	1	1	0	0





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Extremely important (%)	16	12	18	13	13	13	19	15	14
Very important (%)	24	18	24	24	24	22	24	24	21
Somewhat important (%)	32	33	26	29	30	33	28	25	31
Not too important (%)	15	19	18	20	17	16	15	18	16
Not at all important (%)	14	17	16	13	16	17	15	18	18
No response (%)	-	0	-	0	-	0	-	-	-





4.4 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	-	-	-	-	-	-	31	-	-
effort (%)									
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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A great deal of effort (%)	4	3	3	2	3	3	3	4	3
A lot of effort (%)	7	8	7	6	7	7	7	7	5
A moderate amount of	29	30	30	37	26	27	28	29	28
effort (%)									
A little effort (%)	29	24	28	29	31	31	30	28	27
No effort (%)	16	19	16	12	19	18	17	19	23
Don't know (%)	14	15	15	14	13	13	15	14	13
No response (%)	1	1	1	0	0	1	1	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Extremely important (%)	6	5	6	5	6	5	5	6	4
Very important (%)	13	14	11	12	12	12	13	10	10
Moderately important (%)	27	26	26	30	27	25	25	24	26
Not too important (%)	19	17	20	20	21	20	20	19	19
Not at all important (%)	18	19	19	17	21	22	20	24	24
Don't know (%)	16	17	17	15	12	15	16	16	15
No response (%)	1	2	1	0	0	1	1	1	0





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Strongly agree (%)	-	-	-	22	22	16	21	-	19
Somewhat agree (%)	-	-	-	44	42	49	48	-	44
Somewhat disagree (%)	-	-	-	18	17	18	15	-	16
Strongly disagree (%)	-	-	-	16	19	16	16	-	21
No response (%)	-	-	-	0	-	1	-	-	0





4.6 About how often do you look for information about solutions to global warming?

	Dec 2022
Unweighted Base	1,085
At least once a week (%)	5
At least once a month (%)	9
Several times a year (%)	16
Once a year or less often	13
(%)	
Never (%)	48
Not sure (%)	9
No response (%)	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 (%)	-	-	-	-	-	-	-	-	-
Somewhat agree (%)	-	-	-	-	-	-	-	-	-
Somewhat disagree (%)	-	-	-	-	-	-	-	-	-
Strongly disagree (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
Prefer not to answer (%)	-	-	-	-	-	-	-	-	-
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 (%)	-	-	-	-	-	-	-	-	-
Don't know (%)	-	-	-	-	-	-	-	-	-
Prefer not to answer (%)	-	-	-	-	-	-	-	-	-
No response (%)	-	-	-	-	-	-	-	-	-

	Dec 2018	Apr 2019	Nov 2019	Apr 2020	Dec 2020	Mar 2021	Sep 2021	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Strongly agree (%)	2	3	3	2	3	3	3	4	3
Somewhat agree (%)	12	9	9	9	11	9	10	13	10
Somewhat disagree (%)	28	25	28	24	24	25	26	22	26
Strongly disagree (%)	38	39	38	44	44	38	41	39	34
Don't know (%)	15	17	16	14	15	18	15	17	19
Prefer not to answer (%)	4	5	5	6	3	5	5	5	6
No response (%)	1	1	1	0	0	1	1	1	1





6.1 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	-	-	-	-	-	-	-	28	27
affecting weather in the									
United States (%)									
Global warming is not	-	-	-	-	-	-	-	4	4
affecting weather in the									
United States (%)									
Global warming isn't	-	-	-	-	-	-	-	5	6
happening (%)									
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	57	-	-	-	60	59	59	64	61
affecting weather in the									
United States (%)									
Global warming is not	8	-	-	-	5	7	5	6	5
affecting weather in the									
United States (%)									
Global warming isn't	10	-	-	-	9	9	10	8	9
happening (%)									
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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Global warming is	65	60	64	66	63	61	70	63	60
affecting weather in the									
United States (%)									
Global warming is not	6	7	6	5	8	7	6	9	7
affecting weather in the									
United States (%)									
Global warming isn't	8	11	9	7	8	9	7	6	11
happening (%)									
Don't know (%)	15	18	16	17	18	16	13	16	17
Prefer not to answer (%)	4	3	4	4	2	5	4	5	5
No response (%)	2	1	1	0	1	1	1	0	0
Not applicable (%)	-	-	-	-	-	-	-	-	-





	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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	32	28	31	33	35	31	43	32	31
Some (%)	26	22	25	25	21	23	22	24	23
A little (%)	5	7	6	6	6	5	4	5	5
Don't know (%)	1	2	2	1	0	2	0	1	1
Prefer not to answer (%)	-	0	0	0	-	0	0	-	-
No response (%)	1	0	0	0	-	0	0	0	-
Not applicable (%)	35	40	36	34	37	39	30	37	40





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	49	40	37
Some (%)	-	-	-	-	-	-	19	22	23
A little (%)	-	-	-	-	-	-	9	13	10
Not at all (%)	-	-	-	-	-	-	10	13	16
Don't know (%)	-	-	-	-	-	-	10	11	13
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	42	31	27
Some (%)	-	-	-	-	-	-	22	26	26
A little (%)	-	-	-	-	-	-	8	14	13
Not at all (%)	-	-	-	-	-	-	12	15	17
Don't know (%)	-	-	-	-	-	-	13	14	16
No response (%)	-	-	-	-	-	-	2	1	1



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	50	42	38
Some (%)	-	-	-	-	-	-	17	19	20
A little (%)	-	-	-	-	-	-	9	11	12
Not at all (%)	-	-	-	-	-	-	11	15	16
Don't know (%)	-	-	-	-	-	-	11	11	13
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	42	32	28
Some (%)	-	-	-	-	-	-	21	22	24
A little (%)	-	-	-	-	-	-	10	15	11
Not at all (%)	-	-	-	-	-	-	12	15	18
Don't know (%)	-	-	-	-	-	-	14	15	16
No response (%)	-	-	-	-	-	-	1	1	2





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	45	38	35
Some (%)	-	-	-	-	-	-	21	23	24
A little (%)	-	-	-	-	-	-	10	12	11
Not at all (%)	-	-	-	-	-	-	10	13	15
Don't know (%)	-	-	-	-	-	-	13	13	13
No response (%)	-	-	-	-	-	-	1	1	2





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	38	32	29
Some (%)	-	-	-	-	-	-	24	24	25
A little (%)	-	-	-	-	-	-	11	14	13
Not at all (%)	-	-	-	-	-	-	11	15	16
Don't know (%)	-	-	-	-	-	-	15	14	16
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	36	33	29
Some (%)	-	-	-	-	-	-	22	20	21
A little (%)	-	-	-	-	-	-	11	14	11
Not at all (%)	-	-	-	-	-	-	11	12	17
Don't know (%)	-	-	-	-	-	-	19	19	21
No response (%)	-	-	-	-	-	-	1	1	2



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	43	37	31
Some (%)	-	-	-	-	-	-	20	20	25
A little (%)	-	-	-	-	-	-	11	15	12
Not at all (%)	-	-	-	-	-	-	11	13	16
Don't know (%)	-	-	-	-	-	-	14	14	15
No response (%)	-	-	-	-	-	-	1	1	1



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	28	21	19
Some (%)	-	-	-	-	-	-	27	27	26
A little (%)	-	-	-	-	-	-	12	18	15
Not at all (%)	-	-	-	-	-	-	13	16	17
Don't know (%)	-	-	-	-	-	-	19	18	21
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	32	29	22
Some (%)	-	-	-	-	-	-	24	25	26
A little (%)	-	-	-	-	-	-	11	14	14
Not at all (%)	-	-	-	-	-	-	14	15	18
Don't know (%)	-	-	-	-	-	-	17	16	19
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	39	29	27
Some (%)	-	-	-	-	-	-	22	26	23
A little (%)	-	-	-	-	-	-	13	15	14
Not at all (%)	-	-	-	-	-	-	12	15	18
Don't know (%)	-	-	-	-	-	-	13	14	17
No response (%)	-	-	-	-	-	-	2	1	2



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	29	23	21
Some (%)	-	-	-	-	-	-	24	25	24
A little (%)	-	-	-	-	-	-	12	14	13
Not at all (%)	-	-	-	-	-	-	14	18	20
Don't know (%)	-	-	-	-	-	-	18	18	20
No response (%)	-	-	-	-	-	-	2	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
A lot (%)	-	-	-	-	-	-	28	19	17
Some (%)	-	-	-	-	-	-	27	27	25
A little (%)	-	-	-	-	-	-	11	16	15
Not at all (%)	-	-	-	-	-	-	16	21	21
Don't know (%)	-	-	-	-	-	-	17	17	21
No response (%)	-	-	-	-	-	-	2	1	1



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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Strongly agree (%)	-	-	-	28	33	29	38	31	32
Somewhat agree (%)	-	-	-	38	32	36	33	34	35
Somewhat disagree (%)	-	-	-	18	18	17	14	18	13
Strongly disagree (%)	-	-	-	15	16	18	15	17	19
No response (%)	-	-	-	0	-	1	0	0	1





6.4 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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
High risk (%)	-	-	18	16	13	14	20	19	17
Moderate risk (%)	-	-	38	40	42	41	43	37	38
Low risk (%)	-	-	31	33	34	31	26	31	30
No risk (%)	-	-	7	5	5	7	5	6	6
Don't know (%)	-	-	7	5	6	7	6	7	8
No response (%)	-	-	0	0	-	0	0	0	-





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	11	13	14	12	11	13	22	21	23
Moderately worried (%)	21	23	22	22	21	23	25	23	26
A little worried (%)	29	34	28	32	33	32	29	26	26
Not at all worried (%)	39	30	36	33	35	31	24	28	25
No response (%)	-	0	0	0	0	0	0	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	6	9	9	6	7	6	9	11	13
Moderately worried (%)	17	19	19	17	12	15	18	18	20
A little worried (%)	38	32	30	37	33	35	35	33	32
Not at all worried (%)	39	40	41	40	47	44	38	38	35
No response (%)	0	0	1	1	1	0	0	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	9	9	10	9	10	11	14	16	16
Moderately worried (%)	13	14	13	12	12	14	13	17	19
A little worried (%)	20	25	20	25	24	23	25	28	27
Not at all worried (%)	59	51	56	52	54	52	48	38	37
No response (%)	0	0	0	1	0	0	1	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	8	9	9	8	8	7	10	12	12
Moderately worried (%)	12	14	13	13	12	9	14	14	15
A little worried (%)	20	16	18	20	19	19	23	20	21
Not at all worried (%)	59	60	59	58	61	64	53	53	51
No response (%)	0	0	1	1	0	0	1	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	10	10	11	9	10	9	16	19	24
Moderately worried (%)	17	21	20	17	18	19	19	21	22
A little worried (%)	31	34	30	39	36	33	33	29	29
Not at all worried (%)	42	35	39	35	36	39	32	31	25
No response (%)	0	0	1	0	0	0	0	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	8	10	9	10	9	9	15	20	21
Moderately worried (%)	14	17	18	15	15	17	17	21	23
A little worried (%)	29	31	27	31	30	30	32	27	28
Not at all worried (%)	49	41	45	44	45	43	36	32	27
No response (%)	0	0	0	0	0	0	0	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	5	4	5	5	6	7	10	11	11
Moderately worried (%)	11	10	12	10	12	11	14	15	17
A little worried (%)	21	19	20	23	18	20	23	18	21
Not at all worried (%)	63	66	62	62	64	61	53	55	50
No response (%)	0	0	1	0	0	1	0	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	6	6	8	13	12
Moderately worried (%)	-	-	-	-	10	11	14	14	18
A little worried (%)	-	-	-	-	22	24	25	22	22
Not at all worried (%)	-	-	-	-	61	59	52	51	47
No response (%)	-	-	-	-	0	0	1	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	7	8	9	14	14
Moderately worried (%)	-	-	-	-	16	17	20	25	25
A little worried (%)	-	-	-	-	40	40	37	31	35
Not at all worried (%)	-	-	-	-	36	35	33	30	25
No response (%)	-	-	-	-	0	0	0	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	7	6	6	13	13
Moderately worried (%)	-	-	-	-	16	15	19	20	18
A little worried (%)	-	-	-	-	30	32	33	27	31
Not at all worried (%)	-	-	-	-	46	47	41	40	38
No response (%)	-	-	-	-	0	0	0	0	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	12	12	17	18	22
Moderately worried (%)	-	-	-	-	24	23	22	31	29
A little worried (%)	-	-	-	-	37	36	37	25	27
Not at all worried (%)	-	-	-	-	26	28	23	26	21
No response (%)	-	-	-	-	0	1	0	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	12	14	15	20	24
Moderately worried (%)	-	-	-	-	21	23	24	27	26
A little worried (%)	-	-	-	-	41	36	34	30	29
Not at all worried (%)	-	-	-	-	26	26	27	23	20
No response (%)	-	-	-	-	0	0	0	1	1





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	Apr 2022	Dec 2022
Unweighted Base	1,114	1,291	1,303	1,029	1,036	1,037	1,006	1,018	1,085
Very worried (%)	-	-	-	-	-	-	13	18	18
Moderately worried (%)	-	-	-	-	-	-	24	27	28
A little worried (%)	-	-	-	-	-	-	37	34	34
Not at all worried (%)	-	-	-	-	-	-	25	22	20
No response (%)	-	-	-	-	-	-	0	0	1





Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,085 American adults, aged 18 and older. The survey was conducted December 2 - 12, 2022. All questionnaires were self-administered by respondents in a web-based environment. The median completion time for the survey was 19 minutes.

The sample was drawn from the Ipsos 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 provided 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, 308 respondents participated in a previous CCAM survey.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Jennifer Carman, Marija Verner, Sanguk Lee, Matthew Goldberg, and Jennifer Marlon of Yale University, and Edward Maibach, John Kotcher, and Teresa Myers of George Mason University. The figures and tables were designed by Marija Verner, Sanguk Lee, and 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 of CCAM, at the 95% confidence level, are plus or minus 3 percentage points except where noted.

- December 2022: Fielded December 2 12 (n = 1,085)
- April 2022: Fielded April $13 \text{May } 2 \ (n = 1,018)$
- 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 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 24 (n = 1,278)
- October 2017: Fielded October 20 November 1 (n = 1,304)
- May 2017: Fielded May $18 \text{June } 6 \ (n = 1,266)$
- 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 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, while 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 figure or table 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

	n (unweighted)	% (weighted)
Total	1,085	100
Female	522	50
Male	543	48
Another gender identity	20	2
Generation Z (1997 -)	88	12
Millennials (1981 - 1996)	252	27
Generation X (1965 - 1980)	282	27
Baby Boomers (1946 - 1964)	373	27
Silent (1928 - 1945)	90	7
Less than high school	60	10
High school	288	29
Some college	300	26
Bachelor's degree or higher	437	35
<\$25K	126	12
\$25K-<\$50K	179	16
\$50K-<\$75K	165	16
\$75K-<\$100K	134	13
\$100K-<\$125K	142	11
\$125K+	339	32
White, Non-Hispanic	776	62
Black, Non-Hispanic	109	12
Hispanic	134	17
Asian or Pacific Islander, Non-Hispanic	37	7
Another race/ethnicity (including Native American/Alaska	29	2
Native and 2+ Races), Non-Hispanic		
Northeast	182	17
Midwest	231	21
South	416	38
West	256	24





