

## Survey Question Wording and Topline

**PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL**  
**WAVE 89**  
**April 20-29, 2021**  
**TOTAL N=13,749**

**ASK ALL:**

ECON1 Thinking about the nation's economy...

How would you rate economic conditions in this country today?<sup>1</sup>

	<u>Excellent</u>	<u>Good</u>	<u>Only fair</u>	<u>Poor</u>	<u>No answer</u>
Apr 20-29, 2021	2	35	49	14	<1
Mar 1-7, 2021	2	21	53	24	<1
Nov 12-17, 2020	5	31	44	20	<1
Sep 30-Oct 5, 2020	4	29	42	25	<1
June 16-22, 2020	4	22	44	30	1
Apr 7-12, 2020	4	19	38	38	1
Jan 6-19, 2020	16	42	33	9	<1
Sep 16-29, 2019	10	46	35	8	<1
July 22-Aug 4, 2019	14	43	32	11	<1
Nov 7-16, 2018	13	46	31	9	1
Sep 24-Oct 7, 2018	12	45	32	11	<1
Feb 28-Mar 12, 2017	2	37	43	17	0
Oct 25-Nov 8, 2016	2	30	47	21	<1
Apr 29-May 27, 2014	1	18	50	30	1

**ASK ALL:**

ECON1B A year from now, do you expect that economic conditions in the country as a whole will be...

	<u>Better</u>	<u>Worse</u>	About the same as <u>now</u>	<u>No answer</u>
Apr 20-29, 2021	45	28	27	1
Mar 1-7, 2021	44	31	24	<1
Nov 12-17, 2020	42	32	24	2
Sep 30-Oct 5, 2020	52	17	30	1
June 16-22, 2020	50	22	27	1
Apr 7-12, 2020	55	22	22	1
Jan 6-19, 2020	29	26	45	1
Sep 16-29, 2019	20	32	48	<1
July 22-Aug 4, 2019	28	28	44	<1

<sup>1</sup> Note: Previous surveys placed ECON1 and ECON1B in the middle of the survey.

**ASK ALL:**

SOCACTIV Thinking about issues and activities that some people care deeply about and others do not...

Compared with other issues, would you say each of these is... **[RANDOMIZE WITHIN EACH SET (a-e, and f-j); SHOW ON TWO SCREENS]]**

		A top concern to me <u>personally</u>	One of several important concerns to <u>me</u>	Not an important concern to <u>me</u>	<u>No answer</u>
a.	Helping elect candidates for public office Apr 20-29, 2021	15	42	42	1
b.	Addressing global climate change Apr 20-29, 2021	31	39	30	<1
c.	Improving K-12 education Apr 20-29, 2021	38	49	13	<1
d.	Working for racial justice Apr 20-29, 2021	31	42	26	1
e.	Protecting gun rights Apr 20-29, 2021	32	29	39	1
f.	Supporting U.S. military veterans Apr 20-29, 2021	35	49	15	1
g.	Helping those in poverty Apr 20-29, 2021	32	58	10	1
h.	Advocating against genetically modified foods Apr 20-29, 2021	15	33	51	1
i.	Working for gender equality Apr 20-29, 2021	20	43	36	1
j.	Limiting the role of government in daily life Apr 20-29, 2021	27	38	34	1

**ASK ALL:**

ENV2 Do you favor or oppose EXPANDING each of the following sources of energy in our country? **[RANDOMIZE ITEMS]**

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
a. More offshore oil and gas drilling in U.S. waters			
Apr 20-29, 2021	43	55	3
Apr 29-May 5, 2020	40	58	2
Oct 1-13, 2019	42	56	1
Mar 27-Apr 9, 2018	39	60	1
May 10-Jun 6, 2016	45	52	3
b. More nuclear power plants to generate electricity			
Apr 20-29, 2021	50	47	3
Apr 29-May 5, 2020	43	55	2
Oct 1-13, 2019	49	49	2
Mar 27-Apr 9, 2018	44	54	2
May 10-Jun 6, 2016	43	54	3
c. More coal mining			
Apr 20-29, 2021	36	61	3
April 29-May 5, 2020	33	65	2
Oct 1-13, 2019	35	63	2
Mar 27-Apr 9, 2018	37	61	2
May 10-Jun 6, 2016	41	57	3
d. More solar panel "farms"			
Apr 20-29, 2021	84	14	2
April 29-May 5, 2020	90	9	1
Oct 1-13, 2019	92	8	1
Mar 27-Apr 9, 2018	89	10	1
May 10-Jun 6, 2016	89	9	2
e. More hydraulic fracturing, sometimes called "fracking," for oil and natural gas			
Apr 20-29, 2021	41	56	3
April 29-May 5, 2020	37	60	3
Oct 1-13, 2019	38	60	2
Mar 27-Apr 9, 2018	39	58	2
May 10-Jun 6, 2016	42	53	5
<b>ASK FORM 1 ONLY [N=6,860]:</b>			
f. More wind turbine "farms"			
Apr 20-29, 2021	77	20	2
April 29-May 5, 2020	83	16	2
Oct 1-13, 2019	85	14	1
Mar 27-Apr 9, 2018	85	13	2
May 10-Jun 6, 2016	83	14	3
<b>ASK FORM 2 ONLY [N=6,889]:</b>			
g. More offshore wind turbine "farms"			
Apr 20-29, 2021	75	23	3

**ENV2f AND ENV2g COMBO TABLE [N=13,749]**

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
More wind turbine "farms"/More offshore wind turbine "farms"			
Apr 20-29, 2021	76	21	3

**ASK ALL:**

EN1 Right now, which ONE of the following do you think should be the more important priority for addressing America's energy supply? **[RANDOMIZE RESPONSE OPTIONS]**

	Developing alternative sources, such as wind, solar and <u>hydrogen technology</u>	Expanding exploration and production of oil, <u>coal and natural gas</u>	<u>No answer</u>
Apr 20-29, 2021	71	27	1
Apr 29-May 5, 2020	79	20	1
Oct 1-13, 2019	77	22	1

**TREND FOR COMPARISON:**

Pew Research Center survey conducted by telephone: Right now, which ONE of the following do you think should be the more important priority for addressing America's energy supply **[READ AND RANDOMIZE]?**

	<i>Developing alternative sources such as, wind, solar and hydrogen <u>technology</u></i>	<i>Expanding exploration and production of oil, coal and natural <u>gas</u></i>	<b>(VOL.)</b> <i>Both should be given equal priority</i>	<b>(VOL.)</b> <i>DK/Ref</i>
Jan 4-9, 2017	65	27	5	3
Dec 3-7, 2014	60	30	5	4
Feb 12-26, 2014	65	28	5	2
Sep 4-8, 2013	58	34	6	3
Feb 13-18, 2013	54	34	7	4
Oct 24-28, 2012	47	39	9	5
Mar 7-11, 2012	52	39	5	4
Feb 22-Mar 1, 2011	63	29	6	2

**ASK ALL:**

EN2 Thinking about the country's energy supply, do you think the U.S. should... **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

Apr 20-29,  
2021

33	Phase out the use of oil, coal and natural gas completely, relying instead on renewable energy sources such as wind and solar power only
64	Use a mix of energy sources including oil, coal and natural gas along with renewable energy sources
2	No answer

**ASK FORM 1 [N=6,860]:**

WINDHRD How much, if anything, have you read or heard about generating electricity from wind turbine "farms"?

Apr 20-29,

2021

20	A lot
64	A little
16	Nothing at all
<1	No answer

**ASK FORM 1 [N=6,860]:**

WIND1 Thinking about generating electricity from wind turbine "farms," do you think...  
**[RANDOMIZE ITEMS]**

a. The cost to consumers from wind power is...

Apr 20-29,

2021

26	Higher than most other energy sources
35	Lower than most other energy sources
34	About the same as most other energy sources
5	No answer

b. The reliability of wind power is...

Apr 20-29,

2021

18	More reliable than most other energy sources
44	Less reliable than most other energy sources
35	About the same as most other energy sources
3	No answer

c. The overall effect on the environment from wind power is...

Apr 20-29,

2021

65	Better for the environment than most other energy sources
10	Worse for the environment than most other energy sources
23	About the same for the environment as most other energy sources
3	No answer

**ASK FORM 2 [N=6,889]:**

SOLARHRD How much, if anything, have you read or heard about generating electricity from solar panel "farms"?

Apr 20-29,

2021

17	A lot
64	A little
19	Nothing at all
<1	No answer

**ASK FORM 2 [N=6,889]:**

SOLAR1 Thinking about generating electricity from solar panel "farms," do you think...  
**[RANDOMIZE ITEMS]**

- a. The cost to consumers from solar power is...

Apr 20-29,  
2021

- |    |   |
|----|---|
| 31 | Higher than most other energy sources       |
| 36 | Lower than most other energy sources        |
| 30 | About the same as most other energy sources |
| 4  | No answer                                   |

- b. The reliability of solar power is...

Apr 20-29,  
2021

- |    |  |
|----|--|
| 24 | More reliable than most other energy sources |
| 35 | Less reliable than most other energy sources |
| 38 | About the same as most other energy sources  |
| 3  | No answer                                    |

- c. The overall effect on the environment from solar power is...

Apr 20-29,  
2021

- |    |   |
|----|---|
| 70 | Better for the environment than most other energy sources       |
| 7  | Worse for the environment than most other energy sources        |
| 21 | About the same for the environment as most other energy sources |
| 2  | No answer   |

**ASK FORM 1 [N=6,860]:**

ARCTIC Do you favor or oppose allowing oil and gas drilling in the Arctic National Wildlife Refuge in Alaska?

Apr 20-29,  
2021

- |    |           |
|----|-----------|
| 27 | Favor     |
| 70 | Oppose    |
| 3  | No answer |

**TREND FOR COMPARISON:**

Pew Research Center survey conducted by telephone: Would you favor or oppose allowing oil and gas drilling in the Arctic National Wildlife Refuge in Alaska?

	<u>Favor</u>	<u>Oppose</u>	<u>(VOL.)</u> <u>DK/Ref</u>
Sep 9-14, 2008	55	39	6
Jun 18-29, 2008	50	43	7
Feb 20-24, 2008	42	50	8
May 2-14, 2006	46	44	10
Jan 4-8, 2006	44	47	9
Sep 8-11, 2005 <sup>2</sup>	50	42	8
Mar 17-27, 2005	46	49	5
Mar 17-21, 2005	42	46	12

**ASK FORM 2 [N=6,889]:**

KSTONE As you may know, construction on the Keystone XL oil pipeline has been canceled. Do you think it was the right decision or the wrong decision to cancel construction on the Keystone XL pipeline?

Apr 20-29,  
2021

49	Right decision
45	Wrong decision
6	No answer

**TREND FOR COMPARISON:**

Pew Research Center survey conducted by telephone: Do you favor or oppose building the Keystone XL pipeline that would transport oil from Canada's oil sands region through the Midwest to refineries in Texas? **[READ AND RANDOMIZE]**?

	<u>Favor</u>	<u>Oppose</u>	<u>(VOL.)</u> <u>DK/Ref</u>
Feb 7-12, 2017	42	48	10
Nov 6-9, 2014 <sup>3</sup>	59	31	10
Feb 27-Mar 16, 2014	61	27	12
Sep 4-8, 2013	65	30	5
Mar 13-17, 2013	66	23	11

<sup>2</sup> In September 2005 and earlier the question was worded "...drilling in the Alaskan Arctic National Wildlife Refuge."

<sup>3</sup> In November 2014, September 2013, and March 2013, question was asked as part of a list; March 2014 was a standalone item.

**ASK ALL:**

EVCAR2

The next time you purchase a vehicle, how likely are you to seriously consider purchasing an electric vehicle?

Apr 20-29,

2021

15	Very likely
24	Somewhat likely
24	Not too likely
23	Not at all likely
14	I do not expect to purchase a vehicle
<1	No answer

**ASK ALL:**

EVCAR3

Do you favor or oppose phasing out the production of new gasoline cars and trucks by the year 2035?

Apr 20-29,

2021

47	Favor
51	Oppose
3	No answer

**ASK ALL:**

EVHEARD

How much, if anything, have you read or heard about electric vehicles?

Apr 20-29,

2021

30	A lot
62	A little
7	Nothing at all
1	No answer



**ASK ALL:**

EVAUTO

Comparing electric vehicles to gas-powered vehicles, in general, would you say...

**[RANDOMIZE ITEMS]**

a. Electric vehicles are...

Apr 20-29,

2021

13	More fun to drive than gas-powered vehicles
21	Less fun to drive than gas-powered vehicles
62	About the same
3	No answer

b. Electric vehicles are...

Apr 20-29,

2021

15	More reliable than gas-powered vehicles
34	Less reliable than gas-powered vehicles
49	About the same
2	No answer

c. Electric vehicles...

Apr 20-29,

2021

66	Cost more than gas-powered vehicles
9	Cost less than gas-powered vehicles
23	About the same
2	No answer

d. Electric vehicles are...

Apr 20-29,

2021

67	Better for the environment than gas-powered vehicles
7	Worse for the environment than gas-powered vehicles
24	About the same
1	No answer

**ASK ALL:**

EVCAR1

Do you currently have an electric or hybrid vehicle, or not?

Apr 20-29,

2021

7	Yes
93	No
<1	No answer

**ASK ALL:**

ENV17

How often, if ever, do you make an effort to live in ways that help protect the environment?

	<u>All the time</u>	<u>Some of the time</u>	<u>Not too often</u>	<u>Not at all</u>	<u>No answer</u>
Apr 20-29, 2021	22	64	12	2	<1
Oct 1-13, 2019	25	63	9	2	<1
May 10-Jun 6, 2016	20	63	13	4	<1

**ASK ALL:**

EN6F1

Do you do each of the following in your everyday life in order TO HELP PROTECT THE ENVIRONMENT, or don't you? **[RANDOMIZE ITEMS]**

	<u>Yes, I do this</u>	<u>No, I do not do this</u>	<u>No answer</u>
a. Eat less meat			
Apr 20-29, 2021	40	60	<1
Oct 1-13, 2019	41	59	<1
b. Drive less or carpool			
Apr 20-29, 2021	54	45	1
Oct 1-13, 2019	51	49	<1
c. Reduce your food waste			
Apr 20-29, 2021	81	19	1
Oct 1-13, 2019	80	20	<1
d. Use fewer plastics that cannot be reused (e.g., plastic bags, straws, cups)			
Apr 20-29, 2021	72	27	1
Oct 1-13, 2019	72	28	1
e. Reduce the amount of water you use			
Apr 20-29, 2021	67	32	<1
Oct 1-13, 2019	68	32	<1

**RANDOMIZE ORDER OF LAW COST AND ENVIR6****ASK ALL:**

LAWCOST

Which of these statements comes closer to your view, even if neither is exactly right?  
**[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

<u>Apr 20-29, 2021</u>		<u>Sep 3-15, 2019</u>
41	Stricter environmental laws and regulations cost too many jobs and hurt the economy	33
56	Stricter environmental laws and regulations are worth the cost	65
3	No answer	2

**TREND FOR COMPARISON:**

Pew Research Center survey conducted by telephone: Which statement comes closer to your views, even if neither is exactly right? **[READ AND RANDOMIZE]**?

	<i>Stricter environmental laws and regulations cost too many jobs and hurt the economy</i>	<i>Stricter environmental laws and regulations are worth the cost</i>	<b>(VOL.)</b> <i>Both/Neither/DK /Ref</i>
Sep 5-16, 2019	35	61	5
Jan 9-14, 2019	30	63	6
Jun 8-Jul 9, 2017	37	59	5
Nov 30-Dec 5, 2016	34	59	7
Aug 23-Sep 2, 2016	39	54	7
Aug 27-Oct 4, 2015	36	59	4
Jan 23-Mar 16, 2014	39	56	5
Feb 22-Mar 14, 2011	39	53	7
November, 2007	27	63	10
July, 2006	31	57	12
March, 2006	29	65	6
December, 2005	37	56	7
December, 2004	31	60	9
September, 2000	31	61	8
August, 1999	28	65	7
October, 1996	30	63	7
October, 1995	35	61	4
April, 1995	39	57	4
October, 1994	32	62	6
July, 1994	33	62	5

**ASK ALL:**

ENVIR6

Which of these statements comes closest to your own view about the MOST EFFECTIVE WAY to increase reliance on renewable energy sources, even if neither is exactly right?

**[RANDOMIZE OPTIONS]**

	<i>Government regulations are necessary to encourage businesses and consumers to rely more on <u>renewable energy sources</u></i>	<i>The private marketplace will ensure that businesses and consumers rely more on renewable energy sources, even <u>without government regulations</u></i>	<i>No answer</i>
Apr 20-29, 2021	58	39	3
Apr 29-May 5, 2020	58	39	2
Mar 27-Apr 9, 2018	56	42	1

**TREND FOR COMPARISON**

Pew Research Center survey conducted by telephone: Which of these statements come closest to your own view about the MOST EFFECTIVE WAY to increase reliance on renewable energy sources, even if neither is exactly right? **[READ AND RANDOMIZE RESPONSE OPTIONS 1 AND 2]**

May 3-7

2017

54

*Government regulations are necessary to encourage businesses and consumers to rely more on renewable energy sources*

38

*The private marketplace will ensure that businesses and consumers rely more on renewable energy sources, even without government regulations*

8

*No answer***ASK ALL:**

ENVIR8

How much do you think the federal government is doing to... **[RANDOMIZE ITEMS; show on same screen]**

	<u>Too much</u>	<u>Too little</u>	<u>About the right amount</u>	<u>No answer</u>
a. Protect air quality				
April 20-29, 2021	9	59	31	1
April 29-May 5, 2020	4	65	30	1
Oct 1-13, 2019	4	67	28	1
Mar 27-Apr 9, 2018	8	64	27	1
b. Protect water quality of lakes, rivers and streams				
April 20-29, 2021	6	63	30	1
April 29-May 5, 2020	3	67	29	1
Oct 1-13, 2019	4	68	27	1
Mar 27-Apr 9, 2018	6	69	24	1
c. Protect animals and their habitats				
April 20-29, 2021	9	57	33	1
April 29-May 5, 2020	6	62	32	1
Oct 1-13, 2019	7	62	31	1
Mar 27-Apr 9, 2018	9	63	27	1
d. Protect open lands in national parks and nature preserves				
April 20-29, 2021	7	51	41	1
April 29-May 5, 2020	5	54	40	1
Oct 1-13, 2019	5	55	39	1
Mar 27-Apr 9, 2018	8	57	34	1
e. Reduce the effects of global climate change				
April 20-29, 2021	18	59	22	1
April 29-May 5, 2020	9	65	25	1
Oct 1-13, 2019	10	67	23	1
Mar 27-Apr 9, 2018	13	67	19	1

**ASK ALL:**

LOCENV

How much of a problem, if at all, do you think each of the following is in your local community? **[RANDOMIZE ITEMS; OBSERVE FORM SPLITS]**

	<u>A big problem</u>	<u>A moderate problem</u>	<u>A small problem</u>	<u>Not a problem</u>	<u>No answer</u>
a. Air pollution					
April 20-29, 2021	22	30	27	20	1
<b>ASK FORM 1 ONLY[N=6,860]:</b>					
b. Pollution of lakes, rivers and streams					
April 20-29, 2021	26	33	26	13	<1
<b>ASK FORM 2 ONLY[N=6,889]:</b>					
c. Safety of drinking water					
April 20-29, 2021	17	24	24	35	1
d. Too much garbage, waste and landfills					
April 20-29, 2021	29	34	22	15	1
e. Lack of greenspace and parks					
April 20-29, 2021	15	25	26	34	1

**ASK ALL:**

CLIM9

How much, if at all, do you think global climate change is currently affecting your local community?

	<u>A great deal</u>	<u>Some</u>	<u>Not too much</u>	<u>Not at all</u>	<u>No answer</u>
Apr 20-29, 2021	17	40	27	15	1
Apr 29-May 5, 2020	24	39	25	12	<1
Oct 1-13, 2019 <sup>4</sup>	22	39	24	13	1
Mar 27-Apr 9, 2018 <sup>5</sup>	22	37	25	15	<1

**ASK ALL:**

EWLOCAL

Has the area where you live experienced any extreme weather events over the past 12 months?

Apr 20-29, 2021	
50	Yes
49	No
1	No answer

<sup>4</sup> October 2019 survey combines those asked in a series and those asked as the question is shown here.<sup>5</sup> Spring 2018 survey asked about climate change affecting your local community as part of a series

**ASK ALL:**

CCGEN

Which of the following statements comes closer to your own view, even if neither is exactly right? **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

Reducing the effects of global climate change needs to be a...

Apr 20-29,  
2021

34	Lower priority with so many other important problems facing Americans today, even if that means more climate problems for future generations
64	Top priority to ensure a sustainable planet for future generations, even if that means fewer resources for addressing other important problems today
2	No answer

**ASK ALL:**

CCFUTR

Looking to the future 50 years from now, which of the following do you think is more likely to happen in the U.S.? **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

Apr 20-29,  
2021

46	New technology will be able to address most of the problems caused by global climate change
51	Major changes to everyday life will be needed to address the problems caused by global climate change
3	No answer

**ASK ALL:**

EN7

How much do you think human activity, such as the burning of fossil fuels, contributes to global climate change?

	<u>A great deal</u>	<u>Some</u>	<u>Not too much</u>	<u>Not at all</u>	<u>No answer</u>
Apr 20-29, 2021	44	33	15	6	1
Apr 29-May 5, 2020	49	32	13	6	1
Oct 1-13, 2019	49	30	14	5	2

**ASK ALL:**

ENV26

Thinking about what you have heard or read, how well do climate scientists understand...

**[RANDOMIZE ITEMS]**

a. Whether or not global climate change is occurring

Apr 20-29

2021

37	Very well
35	Fairly well
20	Not too well
8	Not at all well
1	No answer

May 10-June 6

2016

33
39
18
9
1

b. The causes of global climate change

Apr 20-29

2021

28	Very well
39	Fairly well
23	Not too well
9	Not at all well
1	No answer

May 10-June 6

2016

28
40
22
9
1

c. The best ways to address global climate change

Apr 20-29

2021

18	Very well
42	Fairly well
28	Not too well
9	Not at all well
1	No answer

May 10-June 6

2016

19
45
26
9
1

**ASK ALL:**

CCINFLU

Thinking about public policy debates about addressing global climate change, do you think climate scientists have...

Apr 20-29,

2021

22	Too much influence
54	Too little influence
22	About the right amount
2	No answer

**ASK ALL:**

CLIMENO

How much do you think each of the following is doing to help reduce the effects of global climate change? **[RANDOMIZE ITEMS]**

	<u>Too much</u>	<u>Too little</u>	<u>About the right amount</u>	<u>No answer</u>
a. Large businesses and corporations Apr 20-29, 2021	8	69	21	2
b. The energy industry Apr 20-29, 2021	7	62	29	2
c. Ordinary Americans Apr 20-29, 2021	5	66	28	2
d. Environmental advocacy organizations Apr 20-29, 2021	22	29	48	2
e. You, yourself, as an individual Apr 20-29, 2021	4	47	48	2
f. Your state elected officials Apr 20-29, 2021	11	60	27	2

**ASK ALL:**

CCPOLICY

Do you favor or oppose the following proposals to reduce the effects of global climate change? **[RANDOMIZE ITEMS; show on same screen]**

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
a. Planting about a trillion trees around the world to absorb carbon emissions in the atmosphere Apr 20-29, 2021	90	9	2
Apr 29-May 5, 2020	90	9	1
b. Taxing corporations based on the amount of carbon emissions they produce Apr 20-29, 2021	70	28	2
Apr 29-May 5, 2020	73	25	1
c. Providing a tax credit to encourage businesses to develop technology which captures and stores carbon emissions so they do not enter the atmosphere Apr 20-29, 2021	81	17	2
Apr 29-May 5, 2020	84	15	1
d. Tougher restrictions on power plant carbon emissions Apr 20-29, 2021	76	22	2
Apr 29-May 5, 2020	80	19	1
e. Tougher fuel-efficiency standards for automobiles and trucks Apr 20-29, 2021	70	28	2
Apr 29-May 5, 2020	71	28	1



**ASK ALL:**

BIDENC1

Overall, do you think the Biden administration's policies to reduce the effects of global climate change will...

Apr 20-29,

2021

29 Go too far  
41 Not go far enough  
28 Be about right  
2 No answer

**ASK ALL:**

CCPROP

Thinking about proposals to reduce the effects of global climate change, how important is each of the following considerations to you personally? **[RANDOMIZE ITEMS]**

		<u>Very important</u>	<u>Somewhat important</u>	<u>Not too important</u>	<u>Not at all important</u>	<u>No answer</u>
a.	Getting the U.S. to net-zero carbon emissions as quickly as possible					
	Apr 20-29, 2021	34	35	18	11	2
b.	Making sure proposals help lower-income communities					
	Apr 20-29, 2021	45	36	12	6	1
c.	Limiting the burden of regulations on businesses					
	Apr 20-29, 2021	24	38	25	11	2
d.	Increasing job and economic growth					
	Apr 20-29, 2021	60	31	6	2	1
e.	Keeping consumer costs low					
	Apr 20-29, 2021	52	39	7	2	1
f.	Protecting the quality of the environment for future generations					
	Apr 20-29, 2021	64	28	4	2	1

**ASK ALL:**

BIDENC2

Do you favor or oppose each of the following proposals for the federal government?

**[RANDOMIZE ITEMS]**

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
a. Requiring power companies to use more energy from renewable sources, such as wind or solar, to reduce carbon emissions Apr 20-29, 2021	74	24	2
b. Federal spending to build a network of electric vehicle charging stations across the country to increase use of electric cars and trucks Apr 20-29, 2021	62	36	2
c. Raising taxes on corporations to pay for more energy efficient buildings and improved roads and bridges Apr 20-29, 2021	63	35	2

**ASK ALL:**

BIDENC3

As you may know, the Biden administration has proposed a plan to rebuild the country's infrastructure in ways that are aimed at reducing the effects of global climate change.

Overall, do you think the policies in this proposal will...

Apr 20-29,  
2021

50	Help the U.S. economy
30	Hurt the U.S. economy
18	Make no difference for the U.S. economy
2	No answer

**ASK ALL:**

GRNINFRA

Which of the following statements comes closer to your view, even if neither is exactly right?

A federal government proposal to change building standards so that new construction will better withstand extreme weather events is... **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**Apr 20-29,  
2021

75	A good idea because the country's building standards need to be upgraded to better deal with the effects of extreme weather events
23	A bad idea because it could increase costs and cause delays in important building projects
3	No answer

**ASK ALL:**

TALKCC

Thinking about the people you talked with over the past few weeks, whether in person, over the phone, or online...

How often, if ever, have you discussed the need for action on global climate change?

Apr 20-29,  
2021

3	Nearly every day
15	A few times each week
38	Once or twice
43	Never
1	No answer

**ASK ALL:**

CCCNFLCT

When you talk with someone you DISAGREE with about the need for action on global climate change, do you generally find it to be...

Apr 20-29,  
2021

40	A difficult conversation
57	Not a difficult conversation
4	No answer

**ASK ALL:**

CCACT

Has a friend or family member ever personally encouraged you to become more involved in efforts to reduce the effects of global climate change?

Apr 20-29,  
2021

26	Yes, I have been encouraged
72	No, I have not been encouraged
2	No answer

**ASK ALL:**

CCCRTQ

Has a friend or family member ever personally criticized you for not doing enough to help with efforts to reduce the effects of global climate change?

Apr 20-29,  
2021

13	Yes, I have been criticized
85	No, I have not been criticized
2	No answer

**ASK ALL:**

ENGACT

Thinking about global climate change, here's a list of activities some people do and others do not. Please indicate if you have done each of the following activities in the past year. **[RANDOMIZE ITEMS]**

	Yes, have done this in the past <u>year</u>	No, have not done this in the <u>past year</u>	<u>No answer</u>
a. Attended a protest or rally to show support for addressing climate change Apr 20-29, 2021	6	93	1
b. Volunteered for an activity focused on addressing climate change Apr 20-29, 2021	10	89	1
c. Donated money to an organization focused on addressing climate change Apr 20-29, 2021	16	83	1
d. Contacted an elected official to urge them to address climate change Apr 20-29, 2021	10	89	1

**ASK FORM 1 [N=6,860]:**

ACTYG

When you see younger adults urging action on global climate change, does it generally make you...

Apr 20-29,  
2021

42	More interested in addressing climate change
13	Less interested in addressing climate change
44	Makes no difference to me
1	No answer

**ASK FORM 2 [N=6,889]:**

ACTLY

When you see people like you urging action on global climate change, does it generally make you...

Apr 20-29,  
2021

39	More interested in addressing climate change
14	Less interested in addressing climate change
45	Makes no difference to me
2	No answer

**ASK IF USE SOCIAL MEDIA (XSNSUSEW88=1 OR SNSUSE\_W89=1) [N=9,946]:**

CONTYPE Have you seen any content on social media in the past few weeks that focused on the following? **[RANDOMIZE ITEMS]**

	<u>Yes, I have seen this on social media</u>	<u>No, I have not seen this on social media</u>	<u>No answer</u>
a. Personal finance Apr 20-29, 2021	52	47	1
b. Popular culture or celebrities Apr 20-29, 2021	75	24	1
c. Food or recipes Apr 20-29, 2021	83	17	<1
d. Encouraging people to get a coronavirus vaccine Apr 20-29, 2021	91	9	<1
e. The situation at the U.S. border with Mexico Apr 20-29, 2021	58	41	<1
f. Addressing global climate change Apr 20-29, 2021	46	54	1
g. Supporting racial justice Apr 20-29, 2021	86	13	1

**ASK IF USE SOCIAL MEDIA (XSNSUSEW88=1 OR SNSUSE\_W89=1) [N=9,946]:**

CLIMFEEL Thinking about the most recent time you saw content on social media about addressing global climate change, did it make you feel... **[RANDOMIZE ITEMS]**

	<u>Yes</u>	<u>No</u>	<u>No answer</u>
a. Anxious about the future Apr 20-29, 2021	51	48	1
b. Angry that not enough is being done to address climate change Apr 20-29, 2021	38	61	2
c. Confident we can reduce the effects of climate change Apr 20-29, 2021	45	53	2
d. Annoyed there is so much attention on addressing climate change Apr 20-29, 2021	26	73	2
e. Motivated to learn more about climate change issues Apr 20-29, 2021	46	52	2

**ASK IF USE SOCIAL MEDIA (XSNSUSEW88=1 OR SNSUSE\_W89=1) [N=9,946]:**

CLIMSEEK Which statement best describes how you see content on social media that is focused on global climate change? **[RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

When I see content on social media about global climate change...

Apr 20-29,  
2021

11	I mostly see it because I'm looking for it
87	I mostly see it because I happen to come across it
1	No answer

**ASK IF USE SOCIAL MEDIA (XSNSUSEW88=1 OR SNSUSE\_W89=1) [N=9,946]:**

FOLCLIM On social media, do you follow an account, page, organization or person who focuses on the need for action on global climate change?

Apr 20-29,  
2021

21	Yes, at least one
78	No, none
1	No answer

**ASK IF USE SOCIAL MEDIA (XSNSUSEW88=1 OR SNSUSE\_W89=1) [N=9,946]:**

CCSOCACT On social media, have you done the following in the past few weeks? **[RANDOMIZE ITEMS]**

	Yes, I have <u>done this</u>	No, I have not <u>done this</u>	<u>No answer</u>
a. Interacted with posts about the need for action on global climate change (such as liking or commenting)			
Apr 20-29, 2021	21	78	1
b. Posted or shared a post about the need for action on global climate change			
Apr 20-29, 2021	12	87	1

**ASK FORM 1 [N=6,860]:**

CLIM8 One proposal to reduce the effects of global climate change would use solar geoengineering techniques — for example, spreading particles in the atmosphere to reflect sunlight and thereby lower the Earth's temperature.

a. Do you think using these techniques would...

Apr 20-29,  
2021

41	Make a difference in reducing the effects of global climate change
53	Not make a difference in reducing the effects of global climate change
6	No answer

Mar 27-Apr 9,  
2018

45
52
3

**NO ITEM B**

- c. How concerned are you that we will use solar geoengineering techniques before we fully understand how they affect the Earth's ecosystems?

Apr 20-29,  
2021

32	Very concerned
42	Somewhat concerned
17	Not too concerned
6	Not at all concerned
2	No answer

**ASK FORM 1 [N=6,860]:**

CLIM8HRD How much, if anything, have you read or heard about solar geoengineering techniques before today?

Apr 20-29,  
2021

4	A lot
38	A little
57	Nothing at all
<1	No answer

**ASK FORM 2 [N=6,889]:**

CLOUDSD One proposal to reduce the effects of increased drought from global climate change would use "cloud seeding" techniques, a type of geoengineering where particles are added to clouds to encourage rain or snowfall. **[DO NOT RANDOMIZE ITEM ORDER]**

- a. Do you think using these techniques would...

Apr 20-29,  
2021

50	Make a difference in reducing the effects of drought
45	Not make a difference in reducing the effects of drought
5	No answer

**NO ITEM B**

- c. How concerned are you that we will use cloud seeding techniques before we fully understand how they affect the Earth's ecosystems?

Apr 20-29,  
2021

30	Very concerned
42	Somewhat concerned
18	Not too concerned
7	Not at all concerned
3	No answer

**ASK FORM 2 [N=6,889]:**

CLOUDHRD      How much, if anything, have you read or heard about “cloud seeding” geoengineering techniques before today?

Apr 20-29,

2021

4	A lot
42	A little
53	Nothing at all
1	No answer