

Survey question wording and topline

**2023 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL
WAVE 128 – SCIENCE TOPLINE
May 30-June 4, 2023
N=10,329**

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			
May 30-Jun 4, 2023	47	50	2
May 2-8, 2022	48	50	2
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			
May 30-Jun 4, 2023	57	41	2
May 2-8, 2022	54	44	2
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			
May 30-Jun 4, 2023	38	60	2
May 2-8, 2022	36	62	2
Apr 20-29, 2021	36	61	3
Apr 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"			
May 30-Jun 4, 2023	82	17	1
May 2-8, 2022	86	13	1
Apr 20-29, 2021	84	14	2
Apr 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

ENV2 CONTINUED ...

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
e. More hydraulic fracturing, sometimes called "fracking," for oil and natural gas			
May 30-Jun 4, 2023	44	53	2
May 2-8, 2022	45	53	3
Apr 20-29, 2021	41	56	3
Apr 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
f. More wind turbine "farms"			
May 30-Jun 4, 2023	75	23	1
May 2-8, 2022	79	19	1
Apr 20-29, 2021	77	20	2
Apr 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

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 ORDER OF RESPONSE OPTIONS 1 AND 2]**

	<u>Developing alternative sources, such as wind, solar and hydrogen technology</u>	<u>Expanding exploration and production of oil, coal and natural gas</u>	<u>No answer</u>
May 30-Jun 4, 2023	67	32	1
May 2-8, 2022	67	32	1
Jan 24-30, 2022	69	30	1
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>	(VOL.) <i>Both should be given equal priority</i>	(VOL.) <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]

	<i>Phase out the use of oil, coal and natural gas completely, relying instead on renewable energy sources such as wind and <u>solar power only</u></i>	<i>Use a mix of energy sources including oil, coal and natural gas along with renewable <u>energy sources</u></i>	<u>No answer</u>
May 30-Jun 4, 2023	31	68	1
Jan 24-30, 2022	31	67	2
Apr 20-29, 2021	33	64	2

ASK IF "USE A MIX" (EN2=2) [N=7,151]:

EN3 And do you think that ... **[RANDOMIZE RESPONSE OPTIONS]**

May 30- Jun 4, <u>2023</u>	52	The country should never stop using oil, coal and natural gas
	47	The country should eventually stop using oil, coal and natural gas, but we aren't ready yet
	1	No answer

ASK ALL:

NRGPROB

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases energy production from renewable sources such as wind and solar...

How likely do you think it is that this transition would lead to unexpected problems for the country?

	<u>Very likely</u>	<u>Somewhat likely</u>	<u>Not too likely</u>	<u>Not at all likely</u>	<u>No answer</u>
May 30-Jun 4, 2023	34	38	23	3	1
Jan 24-30, 2022	30	40	25	4	1

ASK ALL:

Thinking about life in this country over the next 30 years...

NRGTRNST

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar, how do you think it would impact each of the following in your local area?

[RANDOMIZE ITEMS]

	<u>Make better</u>	<u>Make worse</u>	<u>Not have much of an effect</u>	<u>No answer</u>
a. The reliability of the electrical grid				
May 30-Jun 4, 2023	32	38	29	2
Jan 24-30, 2022	38	31	29	2
b. Job opportunities in the energy sector				
May 30-Jun 4, 2023	49	25	25	1
Jan 24-30, 2022	56	20	23	1
c. The prices you pay to heat and cool your home				
May 30-Jun 4, 2023	37	42	20	1
Jan 24-30, 2022	39	39	20	1
d. The prices you pay for everyday goods				
May 30-Jun 4, 2023	25	44	29	1
Jan 24-30, 2022	29	40	30	1
e. Air and water quality				
May 30-Jun 4, 2023	59	11	30	1
Jan 24-30, 2022	63	8	28	1
f. The frequency of extreme weather events				
May 30-Jun 4, 2023	33	13	53	1
Jan 24-30, 2022	37	11	50	1

ASK ALL:

NRGINDEP

If the U.S. greatly reduces energy production from fossil fuel sources such as oil, coal and natural gas, and increases production from renewable sources such as wind and solar... **[SPACE]**

Would it make it easier or harder for the U.S. to produce most of the energy it uses inside of the country?

May 30-

Jun 4,

2023

43

Easier

40

Harder

15

Not have much of an effect

1

No answer

ASK ALL:

WILLOWHRD

The Biden administration recently approved the Willow oil-drilling project in Alaska. How much have you heard or read about the Willow project?

May 30-

Jun 4,

2023

3

A lot

29

A little

68

Nothing at all

<1

No answer

ASK ALL:

WILLOWPJT

Do you favor or oppose the Willow project to drill for oil in Alaska?

May 30-

Jun 4,

2023

14

Strongly favor

14

Somewhat favor

14

Somewhat oppose

12

Strongly oppose

46

Not sure

<1

No answer

TREND FOR COMPARISON:

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

ASK ALL:

EVCAR3

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

	<u>Favor</u>	<u>Oppose</u>	<u>No answer</u>
May 30-Jun 4, 2023	40	59	1
May 2-8, 2022	43	55	2
Apr 20-29, 2021	47	51	3

ASK ALL:

EVEMOT

How would you feel if the U.S. phased out the production of new gasoline cars and trucks? **[RANDOMIZE OPTIONS 1 AND 2]**May 30-
Jun 4,
2023

21	Excited
45	Upset
33	Neutral
1	No answer

ASK ALL:

EVEREAD

How confident are you that the U.S. will build the charging stations and infrastructure needed to support large numbers of electric vehicles on the roads? **[RANDOMIZE ORDER OF RESPONSE OPTIONS 1-5 AND 5-1 FOR RANDOM HALF SAMPLE]**May 30-
Jun 4,
2023

5	Extremely confident
12	Very confident
30	Somewhat confident
26	Not too confident
27	Not at all confident
<1	No answer

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]**

	Stricter environmental laws and regulations cost too many jobs and <u>hurt the economy</u>	Stricter environmental laws and regulations are <u>worth the cost</u>	<u>No answer</u>
May 30-Jun 4, 2023	45	53	2
May 2-8, 2022	45	53	2
Apr 20-29, 2021	41	56	3
Sep 3-15, 2019	33	65	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>	(VOL.) <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:

ENVIR8

How much do you think the federal government is doing to... **[RANDOMIZE ITEMS]**

	<u>Too much</u>	<u>Too little</u>	<u>About the right amount</u>	<u>No answer</u>
a. Protect air quality				
May 30-Jun 4, 2023	11	58	31	1
May 2-8, 2022	8	58	33	1
Apr 20-29, 2021	9	59	31	1
Apr 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				
May 30-Jun 4, 2023	7	63	29	1
May 2-8, 2022	5	63	31	1
Apr 20-29, 2021	6	63	30	1
Apr 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				
May 30-Jun 4, 2023	9	55	35	1
May 2-8, 2022	8	56	35	1
Apr 20-29, 2021	9	57	33	1
Apr 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				
May 30-Jun 4, 2023	8	48	44	1
May 2-8, 2022	8	47	44	1
Apr 20-29, 2021	7	51	41	1
Apr 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				
May 30-Jun 4, 2023	20	56	23	1
May 2-8, 2022	18	58	22	1
Apr 20-29, 2021	18	59	22	1
Apr 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]**

		<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					
	May 30-Jun 4, 2023	21	29	27	22	<1
	May 2-8, 2022	20	29	28	22	1
	Apr 20-29, 2021	22	30	27	20	1
b.	Pollution of lakes, rivers and streams					
	May 30-Jun 4, 2023	22	32	29	16	1
	May 2-8, 2022	24	31	29	14	1
	Apr 20-29, 2021	26	33	26	13	<1
c.	Safety of drinking water					
	May 30-Jun 4, 2023	20	24	25	31	<1
	May 2-8, 2022	16	25	24	34	<1
	Apr 20-29, 2021	17	24	24	35	1
d.	Too much garbage, waste and landfills					
	May 30-Jun 4, 2023	28	31	23	18	1
	May 2-8, 2022	27	32	23	17	1
	Apr 20-29, 2021	29	34	22	15	1
e.	Lack of greenspace and parks					
	May 30-Jun 4, 2023	14	24	25	36	<1
	May 2-8, 2022	13	25	27	35	1
	Apr 20-29, 2021	15	25	26	34	1

ASK ALL:

ENVJUST1

How much have you heard or read about some communities in the U.S. facing greater health risks from pollution and other environmental problems than others?

May 30-
Jun 4,
2023

19	A lot
58	A little
22	Nothing at all
<1	No answer

ASK ALL:

ENVJUST2

How much of a role do you think the federal government should have in addressing differences across communities in their health risks from pollution and other environmental problems?

May 30-
Jun 4,
2023

46	A major role
29	A minor role
8	No role at all
16	Not sure
<1	No answer

ASK ALL:

ENVRMPCT

In the past 12 months, has your local community experienced the following?
[RANDOMIZE ITEMS]

	<u>Yes</u>	<u>No</u>	<u>No answer</u>
a. Droughts or water shortages			
May 30-Jun 4, 2023	33	67	<1
May 2-8, 2022	31	69	1
b. Long periods of unusually hot weather			
May 30-Jun 4, 2023	45	55	<1
May 2-8, 2022	42	57	1
c. Severe weather, like floods or intense storms			
May 30-Jun 4, 2023	44	56	<1
May 2-8, 2022	43	57	<1
d. Rising sea levels that erode beaches and shorelines			
May 30-Jun 4, 2023	16	83	1
May 2-8, 2022	16	83	1
e. Major wildfires			
May 30-Jun 4, 2023	18	82	<1
May 2-8, 2022	21	78	<1

ASK IF EXPERIENCED EVENT (ENVRMPCTa-e=1):

CCXTRW1 In the past 12 months, how much do you think climate change contributed to the following in your local community? **[DISPLAY ITEMS IN SAME ORDER AS ENVRMPCT, ONLY SHOW ITEMS MARKED AS YES (ENVRMPCTa-e=1)]**

		<u>A lot</u>	<u>A little</u>	<u>Not at all</u>	<u>No answer</u>
ASK IF EXPERIENCED (ENVRMPCTa=1) [N=3,340]:					
a.	Droughts or water shortages				
	May 30-Jun 4, 2023	53	31	16	<1
	May 2-8, 2022	54	32	13	<1
ASK IF EXPERIENCED (ENVRMPCTb=1) [N=4,736]:					
b.	Long periods of unusually hot weather				
	May 30-Jun 4, 2023	60	30	10	<1
	May 2-8, 2022	61	30	8	<1
ASK IF EXPERIENCED (ENVRMPCTc=1) [N=4,590]:					
c.	Severe weather, like floods or intense storms				
	May 30-Jun 4, 2023	50	34	15	<1
	May 2-8, 2022	49	35	15	<1
ASK IF EXPERIENCED (ENVRMPCTd=1) [N=1,823]:					
d.	Rising sea levels that erode beaches and shorelines				
	May 30-Jun 4, 2023	56	36	8	<1
	May 2-8, 2022	58	36	6	<1
ASK IF EXPERIENCED (ENVRMPCTe=1) [N=1,670]:					
e.	Major wildfires				
	May 30-Jun 4, 2023	56	29	14	<1
	May 2-8, 2022	58	28	13	<1

ASK ALL:

EWRESPONSE Do you think it is a good or bad idea for the federal government to do each of the following? **[RANDOMIZE ITEMS]**

		<u>Good idea</u>	<u>Bad idea</u>	<u>Not sure</u>	<u>No answer</u>
	ASK FORM 1 ONLY				
	[N=5,148]:				
HELP	Provide financial assistance for communities to relocate from areas at high risk of extreme weather				
	May 30-Jun 4, 2023	47	24	29	<1
	ASK FORM 2 ONLY				
	[N=5,181]:				
REQUIRE	Require communities to relocate from areas at high risk of extreme weather				
	May 30-Jun 4, 2023	29	33	38	<1
REBUILD	Provide financial assistance for communities in high risk areas to rebuild after extreme weather events				
	May 30-Jun 4, 2023	53	24	23	<1
LIMIT	Limit new construction in communities at high risk of extreme weather				
	May 30-Jun 4, 2023	54	19	27	<1

ASK ALL:

CLIM1A Which of these three statements about the Earth's temperature comes closest to your view? **[RANDOMIZE RESPONSES 1 AND 2 WITH 3 AND 4 ALWAYS LAST]**

	The Earth is getting warmer mostly because of human activity such as burning <u>fossil fuels</u>	The Earth is getting warmer mostly because of natural patterns in the Earth's <u>environment</u>	There is no solid evidence that the Earth is getting <u>warmer</u>	<u>Not sure</u>	<u>No answer</u>
May 30-Jun 4, 2023	46	26	14	14	<1
Apr 11-17, 2022	53	24	9	13	<1
Sep 3-15, 2019	52	17	21	9	<1
Mar 27-Apr 9, 2018	47	24	13	14	1
Dec 4-18, 2017	49	18	12	21	<1
May 10-Jun 6, 2016	45	26	14	14	1

**ASK ALL:
CCPOLICY**

Do you favor or oppose the following proposals to reduce the effects of global climate change? **[RANDOMIZE ITEMS A, B, C IN ONE BLOCK AND D, E, F IN SECOND BLOCK]**

	<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			
May 30-Jun 4, 2023	89	10	1
May 2-8, 2022	90	9	1
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			
May 30-Jun 4, 2023	70	28	2
May 2-8, 2022	68	30	1
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			
May 30-Jun 4, 2023	76	21	2
May 2-8, 2022	79	20	1
Apr 20-29, 2021	81	17	2
Apr 29-May 5, 2020	84	15	1
d. Requiring power plants to eliminate all carbon emissions by 2040			
May 30-Jun 4, 2023	61	36	3
e. Requiring oil and gas companies to seal methane gas leaks from oil wells			
May 30-Jun 4, 2023	85	12	3
f. Requiring most new buildings to be run only on electricity with no gas lines			
May 30-Jun 4, 2023	46	51	3

ASK ALL:

BIDENC4 Overall, do you think the Biden administration's policies on climate change are taking the country in the right or wrong direction?

	<u>Right direction</u>	<u>Wrong direction</u>	<u>No answer</u>
May 30-Jun 4, 2023	45	50	5
May 2-8, 2022	49	47	4

ASK FORM 1 AND IF SELECTED RIGHT DIRECTION (XFORM=1 AND BIDENC4=1) [N=2,473]:

BIDENC5 When it comes to the Biden administration's efforts on climate change, which comes closer to your views? **[RANDOMIZE OPTIONS]**

	They have done about as much as can be <u>expected</u>	They could be doing a <u>lot more</u>	<u>No answer</u>
May 30-Jun 4, 2023	40	58	2
May 2-8, 2022	39	59	2

ASK FORM 2 ONLY [N=5,181]:

BIDENC6 On climate change, do you think the Biden administration has... **[RANDOMIZE RESPONSE OPTIONS 1 AND 2 WITH 3 ALWAYS LAST]**

May 30- Jun 4, <u>2023</u>	
37	Compromised too much
30	Compromised too little
27	Handled this about right
6	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					
	May 30-Jun 4, 2023	30	34	19	15	2
	Apr 20-29, 2021	34	35	18	11	2
b.	Making sure proposals help lower-income communities					
	May 30-Jun 4, 2023	42	36	13	7	2
	Apr 20-29, 2021	45	36	12	6	1
c.	Limiting the burden of regulations on businesses					
	May 30-Jun 4, 2023	23	38	25	12	2
	Apr 20-29, 2021	24	38	25	11	2
d.	Increasing job and economic growth					
	May 30-Jun 4, 2023	57	32	7	3	1
	Apr 20-29, 2021	60	31	6	2	1
e.	Keeping consumer costs low					
	May 30-Jun 4, 2023	60	32	5	2	1
	Apr 20-29, 2021	52	39	7	2	1
f.	Protecting the quality of the environment for future generations					
	May 30-Jun 4, 2023	65	27	5	2	1
	Apr 20-29, 2021	64	28	4	2	1

ASK ALL:

CCINTL

Do you support or oppose the U.S. participating in international efforts to help reduce the effects of global climate change?

	<u>Strongly support</u>	<u>Somewhat support</u>	<u>Somewhat oppose</u>	<u>Strongly oppose</u>	<u>No answer</u>
May 30-Jun 4, 2023	42	33	13	11	2
Jan 24-30, 2022	43	32	14	10	1

ASK FORM 1 ONLY [N=5,148]:

CLIMCOMP1 Compared to other countries with large economies, how much do you think the U.S. is doing to help reduce the effects of global climate change?

	More than other countries with <u>large economies</u>	Less than other countries with <u>large economies</u>	About as much as other countries with <u>large economies</u>	<u>No answer</u>
May 30-Jun 4, 2023	36	30	32	3
Jan 24-30, 2022	32	36	31	2

ASK FORM 2 ONLY [N=5,181]:

CLIMCOMP2 Compared to other countries with large economies, how much do you think the U.S. should be doing to help reduce the effects of global climate change?

	More than other countries with <u>large economies</u>	Less than other countries with <u>large economies</u>	About as much as other countries with <u>large economies</u>	<u>No answer</u>
May 30-Jun 4, 2023	27	15	56	2
Jan 24-30, 2022	31	14	54	1

ASK ALL:

CCEFFC How likely is it that countries around the world, including the U.S., will collectively do enough to avoid the worst impacts from climate change?

	Will definitely <u>happen</u>	Will probably <u>happen</u>	Will probably NOT <u>happen</u>	Will definitely NOT <u>happen</u>	Climate change impacts are not a <u>problem</u>	No <u>answer</u>
May 30-Jun 4, 2023	4	29	45	9	11	2
Jan 24-30, 2022	6	30	45	8	10	1

OTHER QUESTIONS HELD FOR FUTURE RELEASE**ASK ALL:**

EVCAR2 The next time you purchase a vehicle, how likely are you to seriously consider purchasing an electric vehicle?

	<u>Very likely</u>	<u>Somewhat likely</u>	<u>Not too likely</u>	<u>Not at all likely</u>	<u>I do not expect to purchase a vehicle</u>	<u>No answer</u>
May 30-Jun 4, 2023	15	23	22	28	13	<1
May 2-8, 2022	16	25	21	24	13	<1
Apr 20-29, 2021	15	24	24	23	14	<1

ASK IF VERY/SOMEWHAT LIKELY (EVCAR2=1,2) [N=4,209]:

EVCAR2B How much of a reason is each of the following for why you would consider purchasing an electric vehicle? **[RANDOMIZE ITEMS]**

	<u>Major reason</u>	<u>Minor reason</u>	<u>Not a reason</u>	<u>No answer</u>
a. To save money on gas				
May 30-Jun 4, 2023	70	24	6	<1
May 2-8, 2022	71	25	4	<1
b. To help the environment				
May 30-Jun 4, 2023	72	22	6	<1
May 2-8, 2022	73	23	4	<1
c. To keep up with the latest trends in vehicles				
May 30-Jun 4, 2023	12	29	59	<1
May 2-8, 2022	10	27	63	<1

ASK ALL:

EVCAR1 Do you currently have an electric or hybrid vehicle?

	<u>Yes</u>	<u>No</u>	<u>No answer</u>
May 30-Jun 4, 2023	9	90	<1
May 2-8, 2022	9	91	<1
Apr 20-29, 2021	7	93	<1

ASK IF HOMEOWNER (XOWNRENTMOD=1) [N=7,719]:

IRAHOME Have you given serious thought to making the following changes to your home within the past 12 months? **[ITEM SOLAR ALWAYS FIRST; RANDOMIZE ITEMS PUMP - WATER]**

		I have given serious thought to <u>this</u>	I have NOT given serious thought to <u>this</u>	I already have this in <u>my home</u>	Does not <u>apply to me</u>	<u>No answer</u>
SOLAR	Installing solar panels to generate electricity May 30-Jun 4, 2023	28	51	7	13	<1
PUMP	Installing an electric heat pump to heat and cool your home May 30-Jun 4, 2023	11	55	20	13	1
INSUL	Improving your home's insulation May 30-Jun 4, 2023	26	33	30	10	1
STOVE	Replacing a gas stove or oven with an electric or induction system May 30-Jun 4, 2023	7	46	28	18	1
WATER	Replacing a gas water heater with an electric heat pump system to heat your water May 30-Jun 4, 2023	11	54	16	18	1

TREND FOR COMPARISON:**ASK IF HOMEOWNER (XOWNRENTMOD=1):**

ENV4 Have you given serious thought to installing solar panels to generate electricity for your home within the past 12 months, or haven't you done this?

	<i>I have given serious thought to installing solar panels at home</i>	<i>I have already installed solar panels at home</i>	<i>I have not installed nor given serious thought to installing solar panels</i>	<i>No answer</i>
Jan 24-30, 2022	39	8	52	1
Oct 1-13, 2019 ²	46	6	47	1
May 10-Jun 6, 2016	40	4	54	1

² In 2016 and 2019, ENV4 was asked without the homeowner filter. The 2016 and 2019 numbers here for ENV4 were filtered by homeowner status so that they could be compared with the 2022 data.