

CLEAN ENERGY NATIONAL ONLINE SURVEY

Interview Schedule



PUBLIC OPINION
STRATEGIES

turning questions into answers

October 24-27, 2022

Project #:220797

N=1,000 Registered Voters

Credibility Interval: $\pm 3.53\%$

* Denotes result under 0.5%.

^ Denotes rounding. Due to rounding, some figures may be higher or lower by less than one-half of one percent.

C. Are you registered to vote in [survey state]?

100% YES (CONTINUE)

D2. Please record your gender.

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
48%	48%	48%	47%	47%	48%	48%	48%	MALE
52%	52%	52%	53%	53%	52%	52%	52%	FEMALE

E. Are you, or is anyone in your household, employed by a newspaper, television or radio station, or by a political party or a candidate for office?

100% NO (CONTINUE)

F. How likely would you say you are to vote in the November elections for U.S. Congress and other elected offices? Are you... (ROTATE TOP TO BOTTOM, BOTTOM TO TOP)

83% VERY LIKELY
...or...
17% SOMEWHAT LIKELY

And, just to be sure we have a representative sample...

D1. In what year were you born?

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
9%	4%	7%	6%	6%	7%	10%	4%	18 - 24
18%	19%	16%	13%	17%	15%	23%	14%	25 - 34
16%	18%	15%	16%	20%	17%	21%	22%	35 - 44
16%	18%	15%	16%	14%	15%	11%	16%	45 - 54
24%	24%	24%	23%	20%	20%	10%	18%	55 - 64
17%	17%	21%	25%	21%	25%	26%	26%	65 AND ABOVE
1%	*	2%	*	*	1%	-	*	REFUSED

1. Would you say that things in the country are going in the right direction, or have they pretty seriously gotten off on the wrong track?

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
29%	38%	39%	34%	32%	29%	37%	28%	RIGHT DIRECTION
63%	56%	57%	60%	68%	71%	63%	72%	WRONG TRACK

Now, thinking about the November elections...

2. If the November election for U.S. Congress were being held today, for whom would you vote...
(ROTATE)

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
45%	38%	41%	39%	44%	45%	40%	47%	The Republican candidate
								...or...
47%	47%	49%	47%	56%	50%	42%	53%	The Democratic candidate

...for U.S. Congress from your district?

3. Do you approve or disapprove of the job Joe Biden is doing as President?

<u>11/21</u>	<u>10/22</u>	
17%	16%	STRONGLY APPROVE
30%	30%	SOMEWHAT APPROVE
16%	15%	SOMEWHAT DISAPPROVE
37%	39%	STRONGLY DISAPPROVE
47%	46%	TOTAL APPROVE
53%	54%	TOTAL DISAPPROVE

Thinking now about issues, please indicate how important each of the following issues is to you on a scale of one to ten, where one means that issue is not at all important to you and ten means that issue is extremely important to you. Of course, you can choose any number between one and ten. **(RANDOMIZE)**

	<u>10</u>	<u>8-10</u>	<u>5-7</u>	<u>1-4</u>	<u>Mean</u>
4. Energy					
10/22	30%	61%	33%	6%	7.9
11/21	32%	62%	33%	5%	7.9
12/20	25%	60%	34%	6%	7.7
10/20	25%	56%	38%	6%	7.7
11/19	27%	59%	35%	5%	7.8
2/18	21%	52%	39%	9%	7.3
5. Global conflicts					
10/22	24%	56%	35%	9%	7.5
6. Health care					
10/22	42%	75%	21%	5%	8.4
11/21	46%	75%	19%	5%	8.5
12/20	48%	79%	17%	3%	8.7
10/20	49%	80%	17%	3%	8.7
11/19	50%	76%	20%	3%	8.6
2/18	49%	78%	18%	3%	8.6
7. Jobs and the economy					
10/22	45%	80%	17%	3%	8.6
11/21	48%	80%	17%	3%	8.7
12/20	50%	82%	15%	2%	8.8
10/20	47%	83%	16%	1%	8.8
11/19	48%	78%	19%	2%	8.6
2/18	43%	76%	22%	2%	8.5
8. Crime					
10/22	42%	72%	23%	5%	8.3
11/21	40%	70%	24%	6%	8.2
12/20	37%	71%	23%	5%	8.2
10/20	38%	71%	24%	4%	8.3
11/19	41%	65%	30%	5%	8.1
2/18	35%	62%	30%	8%	7.8
9. Clean energy					
10/22	26%	52%	30%	17%	7.1
12/20	24%	55%	31%	14%	7.2
10/20	27%	58%	33%	9%	7.6
11/19	39%	62%	29%	9%	7.7
2/18	28%	52%	34%	15%	7.1

Continued...

	<u>10</u>	<u>8-10</u>	<u>5-7</u>	<u>1-4</u>	<u>Mean</u>
10. Social Security and Medicare					
10/22	43%	73%	23%	4%	8.4
11/21	42%	72%	23%	5%	8.3
12/20	46%	77%	21%	2%	8.6
10/20	46%	79%	19%	2%	8.6
11/19	47%	70%	24%	6%	8.3
2/18	42%	69%	25%	6%	8.1
11. Education					
10/22	32%	64%	29%	7%	7.9
11/21	39%	70%	25%	6%	8.2
12/20	34%	64%	28%	8%	7.9
10/20	35%	70%	25%	4%	8.2
11/19	57%	82%	16%	2%	8.8
2/18	49%	77%	20%	4%	8.5
12. Taxes					
10/22	38%	70%	25%	5%	8.2
11/21	38%	70%	25%	5%	8.2
12/20	35%	71%	25%	5%	8.2
10/20	33%	69%	27%	4%	8.2
11/19	34%	58%	36%	6%	7.6
2/18	33%	62%	31%	6%	7.8
13. Climate change					
10/22	30%	54%	23%	23%	6.8
11/21	34%	58%	24%	18%	7.3
14. Inflation and rising prices					
10/22	60%	86%	12%	2%	9.0
11/21	49%	75%	18%	7%	8.4

15. How important is it to you that a candidate for political office share your opinion on clean energy issues? Is it... **(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)**

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
34%	35%	37%	47%	34%	29%	41%	31%	VERY IMPORTANT
51%	49%	39%	40%	45%	43%	39%	48%	SOMEWHAT IMPORTANT
10%	10%	13%	8%	14%	18%	15%	16%	NOT TOO IMPORTANT
								...or...
5%	5%	10%	4%	6%	10%	5%	5%	NOT AT ALL IMPORTANT?
85%	85%^	76%	87%	80%^	72%	80%	79%	TOTAL IMPORTANT
15%^	15%	23%	13%^	20%	28%	20%	21%	TOTAL NOT IMPORTANT

16. And, how important is the issue of climate change to your vote? **(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)**

33%	VERY IMPORTANT
34%	SOMEWHAT IMPORTANT
18%	NOT TOO IMPORTANT
	...or...
16%	NOT AT ALL IMPORTANT?
66%^	TOTAL IMPORTANT
34%	TOTAL NOT IMPORTANT

Still thinking about this...

Do you think that, as a country, the United States should put more emphasis, less emphasis, or about the same emphasis as it does now on producing domestic energy from each of the following sources... **(RANDOMIZE)**

	MORE EMPHASIS	LESS EMPHASIS	SAME
(SPLIT SAMPLE A, N=486)			
17. Coal			
10/22	29%	46%	26%
11/21	24%	51%	25%
12/20	20%	47%	33%
10/20	17%	51%	32%
11/19	18%	56%	25%
11/18	16%	54%	29%
2/18	16%	59%	23%
11/16	23%	51%	23%

(SPLIT SAMPLE B, N=514)			
18. Clean Coal			
10/22	40%	30%	30%
12/20	40%	28%	33%
10/20	35%	31%	35%
11/19	29%	37%	28%
2/18	32%	39%	27%

19. Natural gas			
10/22	50%	20%	30%
11/21	48%	23%	29%
12/20	46%	18%	36%
10/20	42%	20%	38%
11/19	41%	18%	40%
11/18	42%	17%	39%
2/18	37%	19%	42%
11/16	41%	23%	35%

20. Wind			
10/22	58%	19%	22%
11/21	60%	19%	21%
12/20	55%	18%	27%
10/20	60%	11%	29%
11/19	67%	15%	17%
11/18	64%	14%	20%
2/18	66%	9%	24%
11/16	70%	13%	16%

Continued...

	MORE EMPHASIS	LESS EMPHASIS	SAME
21. Solar power			
10/22	64%	14%	22%
11/21	70%	13%	17%
12/20	64%	13%	24%
10/20	66%	9%	25%
11/19	75%	10%	13%
11/18	74%	9%	17%
2/18	75%	7%	17%
11/16	76%	10%	13%
22. Nuclear power			
10/22	37%	32%	31%
11/21	37%	34%	29%
12/20	33%	34%	33%
10/20	32%	31%	37%
11/19	32%	34%	29%
11/18	27%	33%	37%
2/18	28%	36%	35%
11/16	27%	39%	31%
23. Hydrogen			
	38%	20%	42%
24. Geothermal			
10/22	43%	17%	40%
11/21	49%	16%	35%

25. And, would you say you support or oppose the government taking action to accelerate the development and use of clean energy in the United States?

<u>11/16</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
59%	54%	53%	50%	44%	48%	41%	STRONGLY SUPPORT
27%	27%	26%	39%	40%	35%	40%	SOMEWHAT SUPPORT
7%	9%	8%	8%	11%	11%	11%	SOMEWHAT OPPOSE
5%	7%	10%	3%	5%	5%	8%	STRONGLY OPPOSE
86%	81%	80%^	89%	84%	84%^	81%	TOTAL SUPPORT
11%	16%	19%^	11%	16%	16%	19%	TOTAL OPPOSE

26. To increase clean energy production, would you prefer... (RANDOMIZE)

<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
20%	20%	16%	Government mandates and quotas
63%	65%	72%	Approaches that allow markets and businesses to provide more clean energy production
17%	15%	12%	A price or tax put on carbon emissions

Thinking now about electric vehicles...

27. When you make your next vehicle purchase, how likely are you to consider purchasing an electric vehicle...
(ROTATE TOP TO BOTTOM/BOTTOM TO TOP)

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
17%	15%	22%	16%	VERY LIKELY
32%	30%	32%	32%	SOMEWHAT LIKELY
23%	25%	22%	22%	NOT VERY LIKELY
				...OR...
28%	31%	23%	29%	NOT AT ALL LIKELY
48%^	45%	55%^	49%^	TOTAL LIKELY
52%^	55%	45%	51%	TOTAL NOT LIKELY

28. In your opinion, are there **(ROTATE FIRST TWO)** too many, not enough, or about the right amount of electric vehicle chargers in your community?

5%	TOO MANY
71%	NOT ENOUGH
24%	ABOUT THE RIGHT AMOUNT

29. Who should be responsible for building and maintaining electric vehicle charging stations? (**RANDOMIZE :1-3**)

15% GOVERNMENT
13% ELECTRIC UTILITIES
20% THE PRIVATE SECTOR

52% ALL OF THE ABOVE

Thinking again about nuclear energy...

30. Please read the following statement and indicate whether you agree or disagree with that statement:

Nuclear energy should be included and prioritized as part of the country's clean energy mix.

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
24%	23%	27%	27%	STRONGLY AGREE
42%	43%	42%	44%	SOMEWHAT AGREE
25%	24%	23%	21%	SOMEWHAT DISAGREE
9%	11%	8%	8%	STRONGLY DISAGREE
67%[^]	66%	69%	71%	TOTAL AGREE
33%[^]	34%[^]	31%	29%	TOTAL DISAGREE

Now please read the list of issues below and indicate which party you think would do a better job (**ROTATE FIRST TWO**) the Democratic Party, the Republican Party, or both about the same? If you think that neither would do a good job, please indicate that below. (**RANDOMIZE**)

	GOP	DEM	SAME	NEITHER
31. The environment				
10/22	24%	44%	21%	12%
11/21	28%	42%	19%	11%
12/20	25%	44%	20%	11%
10/20	24%	53%	15%	7%
11/19	19%	42%	18%	21%
32. Energy issues				
10/22	31%	38%	22%	9%
12/20	31%	39%	20%	10%
10/20	28%	47%	17%	7%
11/19	24%	38%	16%	20%
33. Clean energy issues				
10/22	23%	43%	22%	12%
12/20	26%	41%	21%	12%
10/20	25%	51%	16%	8%
11/19	20%	41%	18%	20%
34. Climate change				
10/22	20%	45%	21%	15%
11/21	25%	42%	19%	14%
12/20	23%	43%	19%	15%
10/20	22%	54%	15%	9%
35. Lowering the cost of your electric bill				
	32%	31%	21%	17%

36. Thinking ahead to future elections... would you vote (**ROTATE**) for or against elected officials or candidates who support clean energy development like solar and wind, or would it make no difference to your vote?

<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
38%	43%	34%	32%	35%	29%	DEFINITELY FOR
42%	37%	35%	36%	36%	33%	PROBABLY FOR
9%	7%	5%	7%	8%	8%	PROBABLY AGAINST
5%	7%	3%	6%	4%	6%	DEFINITELY AGAINST
N/A	N/A	23%	19%	17%	23%	NO DIFFERENCE
81%^	80%	69%	68%	71%	63%^	TOTAL FOR
13%	14%	8%	13%	12%	14%	TOTAL AGAINST

37. Are you more likely or less likely to support a candidate for public office who believes human activity is contributing to climate change?

<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
37%	36%	33%	31%	35%	28%	MUCH MORE LIKELY
26%	25%	45%	42%	41%	42%	SOMEWHAT MORE LIKELY
15%	12%	15%	17%	14%	17%	SOMEWHAT LESS LIKELY
17%	18%	7%	11%	9%	13%	MUCH LESS LIKELY
63%	61%	78%	72%^	76%	70%	TOTAL MORE LIKELY
32%	30%	22%	28%	24%^	30%	TOTAL LESS LIKELY

Changing topics...

38. Do you have a favorable or unfavorable opinion of the Inflation Reduction Act, a bill that was passed by Congress and signed into law in August 2022?

22% VERY FAVORABLE
43% SOMEWHAT FAVORABLE
17% SOMEWHAT UNFAVORABLE
18% VERY UNFAVORABLE

65% TOTAL FAVORABLE
35% TOTAL UNFAVORABLE

39. Which of these statements best comes closest to your view of the Inflation Reduction Act? (**RANDOMIZE :1-3**)

21% It presents a historic investment in the American economy and will help America "Build Back Better".
23% It is an opportunity for my state/municipality to smartly invest in new technologies to better position us for future economic growth.
26% It should not have been passed and will negatively affect the American economy.
30% I still don't know enough about it to have much of an opinion.

40. Regardless of your opinion of the Inflation Reduction Act, do you support or oppose its implementation now that the federal government has committed to the spending in this new law?

22% STRONGLY SUPPORT
43% SOMEWHAT SUPPORT
18% SOMEWHAT OPPOSE
17% STRONGLY OPPOSE

65% TOTAL SUPPORT
35% TOTAL OPPOSE

41. In your opinion, what are the best ways for your city or town to benefit from the funds available in the Inflation Reduction Act? (**RANDOMIZE :1-3**)

32% Investing in infrastructure projects
32% Investing in clean energy technologies
22% Investing in strengthening buildings, pipelines, and bridges to deal with climate change
14% My city/town should not accept this funding from the federal government

Changing topics...

Now please read some statements about building additional electric transmission lines in your community. After you read each statement, please indicate whether that statements makes you support or oppose those additional electric transmission lines, or if it would make no difference to you. **(RANDOMIZE)**

	STRG SUPP	SMWT SUPP	SMWT OPP	STRG OPP	NO DIFF
42. Additional electric transmission lines would greatly increase American energy security by ensuring America energy independence.	28%	42%	7%	4%	19%
	70%		11%		
43. Landowners would financially benefit from having new transmission lines be built on their property.	20%	36%	12%	7%	24%
	57%^		19%		
44. Additional transmission lines would increase electricity reliability.	28%	42%	8%	4%	18%
	70%		12%		

Moving on to solar power...

45. How familiar are you with the concept of community solar projects compared to traditional solar farms?
(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)

8% VERY FAMILIAR
30% SOMEWHAT FAMILIAR
37% NOT VERY FAMILIAR
26% NOT AT ALL FAMILIAR

37%^ TOTAL FAMILIAR
63% TOTAL NOT FAMILIAR

46. As you may know, community solar projects are multiple customers purchasing shares of solar panel arrays that produce energy at an off-site location. Would you support or oppose a community solar project being developed in your community?

25% STRONGLY SUPPORT
57% SOMEWHAT SUPPORT
12% SOMEWHAT OPPOSE
7% STRONGLY OPPOSE

82% TOTAL SUPPORT
18%^ TOTAL OPPOSE

47. Should community solar projects be a part of a diversified energy strategy for your state?

78% YES
22% NO

48. Do you favor or oppose community solar that is bid through a competitive market rather than solely being developed by your utilities?

21% STRONGLY FAVOR
53% SOMEWHAT FAVOR
19% SOMEWHAT OPPOSE
7% STRONGLY OPPOSE

74% TOTAL FAVOR
26% TOTAL OPPOSE

Thinking now about energy policy...

49. Last summer, the United States Senate approved the Growing Climate Solutions Act with overwhelming bipartisan support. The legislation would create voluntary programs that would help solve technical entry barriers that currently prevent farmer and landowner participation in carbon credit markets. Such markets would ultimately contribute to lowering carbon emissions. Knowing this, do you think your member of the House of Representatives should support or oppose this legislation?

78% YES, SHOULD SUPPORT
22% NO, SHOULD OPPOSE

Thinking about the war between Russia and Ukraine...

50. How has the war between Russia and Ukraine affected your view on energy policy? **(ACCEPT MULTIPLE RESPONSES) (RANDOMIZE :1-4)**

- 28% It is more important for European countries to buy their energy from countries like the United States than from countries like Russia.
 - 36% American energy independence is more closely tied to American energy security.
 - 40% America should become more aggressive in producing and exporting energy.
 - 38% America's energy strategy should prioritize lower consumer costs at home above all else.
 - 19% The Russia/Ukraine conflict has not affected my view on energy policy.
-

Moving on...

51. Given your household income, do you believe that your monthly energy cost is **(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)** higher than average, average, or lower than average?

- 47% HIGHER THAN AVERAGE
 - 45% AVERAGE
 - 8% LOWER THAN AVERAGE
-

52. Do you believe that areas that have the highest levels of energy cost to household income ratio should be prioritized for energy projects that will lower their electricity bills?

- 74% YES
 - 26% NO
-

(ROTATE MESSAGE BLOCKS Q53-60 & Q61-64)

Please read the following list of policies that supporters have proposed to help expand your state’s commitment to clean energy. After you read each one, please indicate whether you favor or oppose that policy. **(RANDOMIZE)**

	STRG FAVOR	SMWT FAVOR	SMWT OPPOSE	STRG OPPOSE
53. Energy efficiency upgrades to reduce the amount of power we need to generate and purchase.				
10/22	36%	51%	10%	3%
	87%			13%
11/21	47%	42%	8%	3%
	89%			11%
12/20	42%	49%	8%	2%
	90%^			10%
10/20	43%	49%	6%	2%
	92%			8%
11/19	53%	31%	9%	4%
	84%			12%^
11/18	53%	34%	5%	4%
	87%			10%^
54. Tax credits for advancing clean energy.				
10/22	33%	44%	15%	7%
	77%			23%^
11/21	40%	42%	12%	6%
	82%			18%
12/20	36%	46%	13%	5%
	82%			18%
10/20	38%	47%	11%	4%
	85%			15%
11/19	45%	34%	8%	10%
	79%			19%^
11/18	48%	33%	7%	9%
	82%^			16%
55. Increasing research and development to accelerate the adoption of battery storage technologies that allow for greater use of renewable energy even when the sun is not shining or the wind is not blowing.				
10/22	36%	48%	11%	5%
	84%			16%
12/20	39%	48%	10%	4%
	87%			13%^
10/20	42%	47%	8%	3%
	89%			11%
11/19	58%	26%	7%	6%
	84%			13%

Continued...

	STRG FAVOR	SMWT FAVOR	SMWT OPPOSE	STRG OPPOSE
56. As you may know, Carbon Capture and Storage is a technology that can trap and prevent carbon dioxide emissions, also known as " C O Two ", produced in electricity generation and industrial processes and stop the byproduct from entering the earth's atmosphere. Adding Carbon Capture and Storage to power plants may increase the cost of electricity but would help protect the environment.				
10/22	22%	47%	22%	9%
	69%		31%	
12/20	23%	46%	20%	10%
	69%		31%[^]	
10/20	25%	52%	16%	7%
	77%		23%	
11/19	31%	34%	13%	16%
	65%		29%	
57. Cutting regulations and red tape that slow the development of clean energy resources.				
10/22	33%	47%	14%	6%
	80%		20%	
11/21	39%	44%	11%	6%
	83%		17%	
12/20	37%	44%	13%	5%
	81%		19%[^]	
10/20	35%	48%	11%	5%
	83%		17%[^]	
11/19	44%	30%	10%	12%
	74%		22%	
11/18	41%	32%	13%	11%
	73%		25%[^]	
58. More funding for research and development of clean energy solutions.				
10/22	35%	45%	14%	6%
	80%		20%	
12/20	41%	43%	11%	5%
	84%		16%	
10/20	43%	43%	11%	3%
	85%[^]		15%[^]	
11/19	58%	23%	7%	12%
	81%		18%[^]	
11/18	56%	25%	8%	10%
	81%		18%	

Continued...

	STRG FAVOR	SMWT FAVOR	SMWT OPPOSE	STRG OPPOSE
59. Increase government spending to modernize America's electricity grid.				
10/22	32%	44%	16%	7%
	76%			24%^
11/21	40%	38%	15%	7%
	78%			22%
12/20	36%	45%	13%	6%
	81%			19%
10/20	34%	48%	13%	4%
	83%^			17%
11/19	41%	32%	9%	14%
	73%			23%
11/18	47%	30%	12%	10%
	77%			22%
60. Allow more electric utility competition which would give people the choice of what companies they buy their power from.				
10/22	38%	48%	10%	3%
	86%			14%^
11/21	45%	41%	11%	3%
	86%			14%
12/20	42%	45%	10%	3%
	87%			13%
10/20	36%	49%	12%	3%
	85%			15%
11/19	58%	29%	7%	3%
	87%			10%
11/18	59%	29%	7%	5%
	87%^			11%^

Now, please read the following list of proposals that have been put forth to help expand clean energy in the United States. After you read each one, please indicate whether you support or oppose that proposal. **(RANDOMIZE)**

	STRG SUPPORT	SMWT SUPPORT	SMWT OPPOSE	STRG OPPOSE
61. Increasing development of the country's clean energy infrastructure.				
10/22	40%	44%	11%	5%
	84%			16%
11/21	49%	37%	10%	5%
	85%^			15%
12/20	44%	42%	9%	4%
	86%			14%
10/20	47%	44%	7%	2%
	91%			9%
11/19	57%	26%	10%	5%
	83%			15%
11/18	56%	29%	7%	6%
	85%			13%
62. Focusing on creating transparency and accountability for emissions reductions undertaken by states, cities and towns, and businesses.				
10/22	35%	47%	12%	5%
	82%			18%^
12/20	38%	46%	11%	5%
	85%^			15%^
10/20	40%	47%	10%	3%
	87%			13%
11/19	50%	31%	8%	7%
	82%^			15%
11/18	46%	34%	9%	9%
	80%			18%
63. Changing the tax system to help reduce carbon emissions by rewarding low carbon emitters and penalizing high carbon emitters.				
10/22	27%	42%	18%	13%
	69%			31%
12/20	31%	39%	17%	13%
	70%			30%
10/20	33%	44%	15%	8%
	77%			23%
11/19	33%	25%	14%	27%
	58%			41%
11/18	33%	27%	13%	26%
	59%^			39%

Continued...

	STRG SUPPORT	SMWT SUPPORT	SMWT OPPOSE	STRG OPPOSE
64. Reducing greenhouse gases by taxing carbon based fuels such as coal, oil, and natural gas.				
10/22	28%	36%	20%	17%
	63%^			37%
12/20	29%	34%	19%	17%
	63%			37%^
10/20	34%	38%	17%	10%
	72%			28%^
11/19	27%	25%	13%	34%
	52%			47%
11/18	28%	27%	12%	33%
	55%			44%^

Now, please read the list below of policies that supporters have proposed to help expand our state's commitment to clean energy. After you read each one, please indicate whether you think that policy is... **(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)** very important, somewhat important, not too important, or not important at all. **(ROTATE)**

	VERY IMPT	SMWHT IMPT	NOT TOO IMPT	NOT AT ALL IMPT
65. Protecting property owners' ability to produce energy on their land.				
10/22	50%	42%	6%	2%
	92%		8%	
12/20	47%	44%	7%	2%
	90%^		10%^	
10/20	42%	46%	9%	3%
	88%		12%	
11/19	53%	39%	5%	2%
	92%		7%	
11/18	55%	38%	4%	3%
	93%		7%	
2/18	56%	37%	4%	3%
	92%^		7%	

66. Protecting property owners' rights to lease their land for renewable energy production.				
10/22	45%	44%	8%	3%
	89%		11%	
12/20	41%	46%	10%	3%
	87%		13%	
10/20	40%	46%	10%	3%
	86%		14%^	
11/19	48%	43%	4%	4%
	91%		8%	
11/18	47%	44%	5%	2%
	92%^		8%^	
2/18	41%	46%	7%	5%
	87%		12%	

(RANDOMIZE Q67-71)

Thinking about infrastructure needs for electric vehicles, like charging stations and the roads and highways they travel on, electric vehicle charging stations are often paid for by state governments, which fund these stations with resources collected from the gas tax.

67. Please read the following two statements about this, and please indicate which one comes closest to your own opinion. **(ROTATE)**

<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>
57%	56%	52%	50%	51%	59%

(Some/other) people say that many owners of electric vehicles are wealthy and they should not be exempt from paying gas taxes that subsidize the cost of charging stations for their cars or without having to pay into the maintenance for the roads and highways they also use. There should be a tax for electric vehicles so owners of these are paying their fair share to fund our roads, highways, and the charging stations for their automobiles.

...while....

41%	39%	48%	50%	49%	41%
-----	-----	-----	-----	-----	-----

(Other/some) people say that owners of electric vehicles pay more for those automobiles because they are more costly to begin with, and they are also helping the environment by not using fossil fuels that create emissions, and therefore owners of electric vehicles should not be subject to special taxes but encouraged to drive them. People who buy electric vehicles are helping lead the nation's transition from gas-powered cars and are taking on risks by spending on this new technology. They should be credited, not punished.

Changing topics slightly...

68. As you may know, thirty-four states have a policy called net metering that allows homeowners, businesses, local school districts, and other organizations to get full retail credit for the extra energy their rooftop solar panels produce. This extra solar energy goes onto the electricity grid for the utility company to sell at the full retail rate to other customers. Please read the following two statements about this, and please indicate which one comes closer to your own point of view. **(ROTATE)**

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
60%	67%	62%	61%	52%	55%	60%	54%	(Some/other) people say net metering is fair because it encourages the development of solar resources, and other customers benefit from the extra solar energy that goes onto the electricity grid.
								...while...
31%	26%	31%	31%	48%	45%	40%	46%	(Other/some) people say net metering is unfair because solar customers use the electricity grid, too, and need to pay a fair rate for their use. They say that otherwise, solar customers' use of the electricity grid becomes subsidized by non-solar customers.

69. Renewable energy development is becoming increasingly common in rural landscapes across the country. Most of them are utility scale projects of wind and solar. Now, please read the following two statements and after you read each one, please indicate which statement comes closest to your own opinion... **(ROTATE)**

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
54%	26%	27%	27%	Opponents of renewable wind and solar projects in rural areas say those projects are bad because they ruin beautiful views, kill birds, and take some good farmland out of production.
				...WHILE...
46%	74%	73%	73%	Supporters of renewable wind and solar projects in rural areas say those projects are good because they boost the income of farmers, helping them to survive financially and maintain their family farm.

(SPLIT SAMPLE, ASK SAMPLE A, N=486)

70. Now, please read two additional options about purchasing electricity, and please indicate which one you prefer. **(ROTATE)**

<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
14%	15%	17%	16%	20%	18%	21%	The current system, in which nearly everyone purchases their electricity from one monopoly utility.
							...or...
83%	83%	79%	84%	80%	82%	79%	A new system that allows people to have a choice of where they purchase electricity and what kind of electricity, such as clean energy.

(SPLIT SAMPLE, ASK SAMPLE B, N=514)

71. Now, please read two additional options about purchasing electricity, and please indicate which one you prefer. **(ROTATE)**

<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
79%	78%	81%	79%	74%	76%	76%	America can create a new electricity system that benefits the environment, accelerates the availability of new technology, and creates more choices by opening up markets to competition, giving consumers more choices instead of just their monopoly utility.
							...or...
19%	20%	16%	21%	26%	24%	24%	The current electricity monopoly system works fine as it is, and change will only end up creating confusion, reducing reliability, and resulting in higher costs for consumers.

Thinking again about clean energy...

Please read the following statements about why some people want to accelerate the growth of clean energy, by speeding up the development of sources of renewable energy like wind and solar power. After you read each statement, please indicate whether you agree or disagree with that statement. **(RANDOMIZE)**

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR
72. We should accelerate the growth of clean energy so that we can decentralize our nation's electricity sources, protecting them from prolonged outages due to extreme weather or security threats.				
10/22	35%	43%	15%	6%
	78%			22%^
11/21	44%	39%	12%	5%
	83%			17%
12/20	37%	46%	12%	5%
	83%			17%
10/20	37%	50%	10%	3%
	87%			13%
11/19	52%	29%	10%	8%
	81%			17%^
11/18	53%	33%	5%	7%
	86%			13%^
2/18	47%	41%	7%	4%
	88%			11%
11/16	51%	31%	9%	7%
	82%			16%
73. We should accelerate the growth of clean energy so that we can more quickly make the inevitable transition away from carbon-emitting sources of energy like coal.				
10/22	34%	41%	16%	8%
	75%			25%^
11/21	45%	36%	12%	6%
	82%^			18%
12/20	38%	39%	14%	9%
	78%^			22%^
10/20	38%	46%	12%	4%
	84%			16%
11/19	53%	19%	10%	16%
	73%^			26%
11/18	49%	27%	10%	13%
	77%^			22%^
2/18	52%	24%	11%	13%
	75%^			24%
11/16	56%	22%	10%	11%
	78%			21%

Continued...

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR
74. Clean energy companies should be allowed access to the same financing options that help traditional energy companies attract investment in new technologies. This would include giving investors a tax benefit for using private funds instead of taxpayer funds to support new clean energy innovations.				
10/22	34%	50%	12%	4%
	84%		16%	
12/20	40%	46%	10%	4%
	86%		14%	
10/20	37%	53%	7%	2%
	90%		10%^	
11/19	58%	31%	4%	4%
	89%		9%^	
11/18	61%	28%	4%	5%
	89%		9%	
75. We should increase state government funding for basic research into clean energy technology without picking winners and losers, launching a "space race"-style effort to reach new energy frontiers.				
10/22	29%	45%	19%	7%
	74%		26%	
12/20	31%	44%	18%	8%
	75%		25%^	
10/20	32%	47%	16%	5%
	79%		21%	
11/19	44%	30%	10%	16%
	73%^		26%	
11/18	40%	31%	12%	14%
	72%^		26%	
2/18	35%	39%	11%	13%
	74%		24%	
11/16	42%	35%	10%	11%
	77%		21%	

Continued...

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR
76. We should accelerate the growth of clean energy so that our state can be a national leader in the competition for economic development and good-paying jobs.				
10/22	34%	43%	17%	6%
	77%			23%
11/21	43%	41%	12%	5%
	83%^			17%
12/20	37%	43%	14%	6%
	80%			20%
10/20	35%	49%	12%	3%
	85%^			15%
11/19	55%	27%	6%	12%
	81%^			18%
11/18	56%	27%	7%	9%
	83%			17%^
2/18	48%	35%	7%	8%
	84%^			15%
11/16	59%	24%	7%	9%
	84%^			16%

77. And now that you have read some more information, do you support or oppose the government taking action to accelerate the development and use of clean energy in the United States?

Q25	Q77	
INT	INF	
41%	34%	STRONGLY SUPPORT
40%	44%	SOMEWHAT SUPPORT
11%	13%	SOMEWHAT OPPOSE
8%	8%	STRONGLY OPPOSE
81%	79%^	TOTAL SUPPORT
19%	21%	TOTAL OPPOSE

Thinking now about climate change...

78. Do you favor or oppose the government taking steps to reduce emissions of gases like carbon dioxide and methane emissions that cause global climate change?

11/18	11/19	10/20	12/20	11/21	10/22	
48%	52%	47%	40%	44%	37%	STRONGLY FAVOR
23%	19%	38%	38%	39%	39%	SOMEWHAT FAVOR
14%	12%	9%	12%	10%	15%	SOMEWHAT OPPOSE
13%	15%	6%	10%	8%	9%	STRONGLY OPPOSE
71%	70%^	85%	78%	82%^	76%	TOTAL FAVOR
27%	27%	15%^	22%	18%	24%	TOTAL OPPOSE

79. Please read the following statements about the impact of climate change on society, and after you read each one, please indicate which statement is closest to your own opinion... **(ROTATE TOP TO BOTTOM/BOTTOM TO TOP)**

10/20	12/20	11/21	10/22	
43%	39%	45%	40%	Climate change is an extreme threat.
34%	29%	31%	31%	Climate change is a threat to be considered.
16%	21%	14%	18%	Climate change is a minor threat.
8%	12%	10%	11%	Climate change is not at all a threat.

80. Now, please read the following two statements, and after you read each one, please indicate which statement comes closest to your own opinion... **(ROTATE)**

68% Scientists have established a factual connection between rising global temperatures and human activities like burning fossil fuels.

...OR...

32% Scientists disagree about whether or not human activities are linked to rising global temperatures.

81. Assuming climate change is caused by humans, which do you think is the best way to deal with the issue. . . **(RANDOMIZE)**

12/20 11/21 10/22

10% 11% 9% Phasing out the use of fossil fuels such as coal, oil, and gas

23% 24% 21% Putting more efforts in to Research, Development, and Innovation of clean energy sources

22% 16% 18% Improving market structure and incentives to allow clean energy technologies to more fairly compete

7% 6% 6% Joining international agreements such as the Paris Climate Accord

...OR...

11% 11% 9% Increased regulations to force businesses to comply with carbon emission standards

27% 32% 37% All of the above

82. And do you approve or disapprove of the job the Republican Party is doing in addressing climate change?

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
17%	23%	14%	15%	STRONGLY APPROVE
23%	23%	32%	36%	SOMEWHAT APPROVE
18%	18%	25%	22%	SOMEWHAT DISAPPROVE
42%	36%	29%	27%	STRONGLY DISAPPROVE
41%^	45%^	46%	51%	TOTAL APPROVE
59%^	55%^	54%	49%	TOTAL DISAPPROVE

83. Would you be more likely or less likely to support a Republican candidate who embraces an innovation-based approach to addressing climate change?

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
20%	19%	22%	18%	MUCH MORE LIKELY
50%	49%	50%	54%	SOMEWHAT MORE LIKELY
15%	16%	15%	16%	SOMEWHAT LESS LIKELY
15%	15%	13%	12%	MUCH LESS LIKELY
70%	68%	73%^	72%	TOTAL MORE LIKELY
30%	32%^	27%^	28%	TOTAL LESS LIKELY

Now, in this section, we are collecting general data for statistical purposes only. As a reminder, the data are anonymous and your responses will be kept completely confidential. Thinking some more about you...

D3. What is the last grade you completed in school?

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
*	*	1%	1%	*	*	*	*	SOME GRADE SCHOOL (GRADES 1-8)
3%	2%	2%	3%	2%	1%	3%	2%	SOME HIGH SCHOOL (GRADES 9-11)
20%	19%	18%	18%	21%	18%	24%	19%	GRADUATED HIGH SCHOOL (GRADE 12)
3%	2%	3%	2%	6%	6%	5%	6%	TECHNICAL/VOCATIONAL SCHOOL
23%	24%	29%	27%	26%	28%	27%	28%	SOME COLLEGE
32%	32%	32%	33%	16%	32%	29%	33%	GRADUATED COLLEGE
20%	20%	16%	16%	28%	14%	13%	11%	GRADUATE/PROFESSIONAL SCHOOL
22%^	21%^	21%	21%^	23%^	20%^	27%	21%	HIGH SCHOOL OR LESS
25%^	26%	31%^	29%	32%	34%	32%	34%	SOME COLLEGE
52%	52%	47%^	49%	45%^	46%	41%^	45%^	COLLEGE+

D4A. And, in politics today, do you consider yourself ... (ROTATE)

a Republican,
 a Democrat,
 or something else?

(IF REPUBLICAN OR DEMOCRAT, FOLLOW UP SCREEN) Would you call yourself a STRONG (Republican/Democrat) or a NOT-SO-STRONG (Republican/Democrat)?

(IF SOMETHING ELSE, FOLLOW UP SCREEN) Do you think of yourself as closer to (ROTATE) the Republican or to the Democratic party?

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
21%	18%	22%	22%	22%	27%	22%	24%	STRONG REPUBLICAN
8%	9%	8%	6%	14%	12%	13%	15%	NOT-SO-STRONG REPUBLICAN
10%	9%	8%	8%	3%	3%	4%	2%	LEAN REPUBLICAN
16%	17%	15%	20%	14%	12%	18%	16%	UNAFFILIATED / INDEPENDENT / SOMETHING ELSE
8%	10%	9%	10%	4%	3%	3%	2%	LEAN DEMOCRAT
11%	11%	9%	8%	14%	14%	15%	14%	NOT-SO-STRONG DEMOCRAT
26%	25%	27%	25%	28%	28%	25%	27%	STRONG DEMOCRAT
39%	36%	39%^	36%	39%	42%	39%	40%^	TOTAL REPUBLICAN
44%^	46%	44%^	43%	47%^	45%	43%	43%	TOTAL DEMOCRAT

D5A. Generally speaking, do you consider yourself to be **(ROTATE TOP TO BOTTOM , BOTTOM TO TOP)** conservative, moderate or liberal on most issues?

(IF CONSERVATIVE/LIBERAL, FOLLOW UP SCREEN:) And would you say you are VERY (CONSERVATIVE/LIBERAL), or just SOMEWHAT (CONSERVATIVE/LIBERAL)?

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
18%	14%	18%	18%	14%	21%	18%	16%	VERY CONSERVATIVE
20%	19%	17%	17%	16%	14%	14%	19%	SOMEWHAT CONSERVATIVE
34%	36%	37%	37%	45%	40%	45%	39%	MODERATE
13%	18%	15%	12%	12%	11%	13%	15%	SOMEWHAT LIBERAL
14%	12%	11%	13%	14%	14%	11%	12%	VERY LIBERAL
37%^	33%	35%	35%	30%	36%^	32%	34%^	TOTAL CONSERVATIVE
27%	29%^	26%	25%	26%	25%	24%	27%	TOTAL LIBERAL

D6A. What is your main racial or ethnic heritage? Is it... **(ACCEPT ONE RESPONSE ONLY)**

<u>11/16</u>	<u>2/18</u>	<u>11/18</u>	<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	<u>10/22</u>	
70%	71%	72%	71%	76%	68%	73%	73%	CAUCASIAN OR WHITE
12%	12%	11%	12%	13%	12%	12%	12%	AFRICAN AMERICAN OR BLACK
11%	10%	11%	10%	10%	10%	10%	10%	HISPANIC OR LATINO
3%	2%	2%	3%	1%	6%	4%	5%	ASIAN
2%	1%	1%	1%	*	1%	1%	1%	AMERICAN INDIAN
*	2%	1%	1%	*	2%	1%	-	OTHER (SPECIFY: _____)

D8A. Regardless of how you feel now, for whom did you vote in the 2020 Presidential election... **(ROTATE)** Donald Trump or Joe Biden?

(IF SOMEONE ELSE, FOLLOW UP SCREEN ASK) And, did you vote for... **(ROTATE)** Jo Jorgensen or some other candidate?

43%	DONALD TRUMP
50%	JOE BIDEN
2%	JO JORGENSEN
-	SOMEONE ELSE (SPECIFY: _____)
5%	DID NOT VOTE