

CLEAN ENERGY NATIONAL ONLINE SURVEY

Interview Schedule



PUBLIC OPINION
STRATEGIES

turning questions into answers

November 18-21, 2021

Project #: 210329

N=1,000 Registered Voters

Credibility Interval: $\pm 3.53\%$

Thank you for participating in this important survey. This is a confidential survey. Your responses in this survey will be kept completely confidential and no material that identifies your individual responses will be distributed. Results will be reported in aggregate form only. We will not report your individual responses, nor will we identify you as a participant in the survey. This survey is for research purposes only.

* 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>	
48%	48%	48%	47%	47%	48%	48%	MALE
52%	52%	52%	53%	53%	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)

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

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

2. 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>	
29%	38%	39%	34%	32%	29%	37%	RIGHT DIRECTION
63%	56%	57%	60%	68%	71%	63%	WRONG TRACK

3. If the 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>	
45%	38%	41%	39%	44%	45%	40%	The Republican candidate
47%	47%	49%	47%	56%	50%	42%	The Democratic candidate
4%	13%	4%	13%	-	2%	18%	Undecided

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

17%	STRONGLY APPROVE
30%	SOMEWHAT APPROVE
16%	SOMEWHAT DISAPPROVE
37%	STRONGLY DISAPPROVE
47%	TOTAL APPROVE
53%	TOTAL DISAPPROVE

X1. And, for whom did you vote in the 2020 November Presidential election... **(ROTATE TRUMP/BIDEN)**

Donald Trump and Mike Pence, Republicans,
Joe Biden and Kamala Harris, Democrats,
...or...
A third party candidate?

<u>12/20</u>	<u>11/21</u>	
46%	45%	TRUMP/PENCE
51%	50%	BIDEN/HARRIS
3%	5%	THIRD PARTY CANDIDATE

5. 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>	
17%	23%	14%	STRONGLY APPROVE
23%	23%	32%	SOMEWHAT APPROVE
18%	18%	25%	SOMEWHAT DISAPPROVE
42%	36%	29%	STRONGLY DISAPPROVE
41%[^]	45%[^]	46%	TOTAL APPROVE
59%[^]	55%[^]	54%	TOTAL DISAPPROVE

6. Would you be more likely or less likely to support a Republican candidate who embraces new technologies and innovation in addressing climate change?

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

**Language prior to 2021: "Would you be more likely or less likely to support a Republican candidate who embraces an innovation-based approach to addressing climate change?"*

7. And, 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>	
34%	35%	37%	47%	34%	29%	41%	VERY IMPORTANT
51%	49%	39%	40%	45%	43%	39%	SOMEWHAT IMPORTANT
10%	10%	13%	8%	14%	18%	15%	NOT TOO IMPORTANT
5%	5%	10%	4%	6%	10%	5%	NOT AT ALL IMPORTANT
85%	85%^	76%	87%	80%^	72%	80%	TOTAL IMPORTANT
15%^	15%	23%	13%^	20%	28%	20%	TOTAL NOT IMPORTANT

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>
8. Energy					
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
9. National security and fighting terrorism					
11/21	40%	69%	22%	9%	8.1
12/20	42%	72%	23%	4%	8.4
10/20	38%	69%	26%	6%	8.1
11/19	49%	72%	21%	6%	8.3
2/18	42%	64%	24%	12%	7.9
10. Health care					
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
11. Jobs and the economy					
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
12. Crime					
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

Continued...

	<u>10</u>	<u>8-10</u>	<u>5-7</u>	<u>1-4</u>	<u>MEAN</u>
13. Climate change					
11/21	34%	58%	24%	18%	7.3
14. Social Security and Medicare					
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
15. Education					
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
16. Taxes					
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
17. Coronavirus					
11/21	41%	62%	23%	15%	7.6
12/20	54%	75%	16%	9%	8.4
18. Rising prices					
11/21	49%	75%	18%	7%	8.4

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
19. Coal			
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%
20. Natural gas			
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%
21. Wind			
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%
22. Solar power			
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%

Continued...

	MORE EMPHASIS	LESS EMPHASIS	SAME
23. Nuclear power			
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%
24. Hydropower			
11/21	59%	14%	26%
12/20	57%	10%	33%
10/20	55%	10%	35%
11/19	56%	6%	32%
11/18	54%	6%	34%
2/18	59%	6%	32%
11/16	61%	7%	28%
25. Geothermal			
	49%	16%	35%
26. Carbon capture			
	44%	23%	33%

27. 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>	
59%	54%	53%	50%	44%	48%	STRONGLY SUPPORT
27%	27%	26%	39%	40%	35%	SOMEWHAT SUPPORT
7%	9%	8%	8%	11%	11%	SOMEWHAT OPPOSE
5%	7%	10%	3%	5%	5%	STRONGLY OPPOSE
86%	81%	80%^	89%	84%	84%^	TOTAL SUPPORT
11%	16%	19%^	11%	16%	16%	TOTAL OPPOSE

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

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

Thinking now about electric vehicles...

29. 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>	
17%	15%	22%	VERY LIKELY
32%	30%	32%	SOMEWHAT LIKELY
23%	25%	22%	NOT VERY LIKELY
28%	31%	23%	NOT AT ALL LIKELY
48%[^]	45%	55%[^]	TOTAL LIKELY
52%[^]	55%[^]	45%	TOTAL NOT LIKELY

(IF Q29:1-2, ASK:) (N=546, RESULTS SHOWN OFF TOTAL BASE)

30. When would you consider buying an electric vehicle?

13%	WITHIN A YEAR
18%	TWO TO THREE YEARS
13%	THREE TO FIVE YEARS
11%	WHEN I PURCHASE MY NEXT CAR

Thinking again about nuclear energy...

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

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

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	
24%	23%	27%	STRONGLY AGREE
42%	43%	42%	SOMEWHAT AGREE
25%	24%	23%	SOMEWHAT DISAGREE
9%	11%	8%	STRONGLY DISAGREE
67%[^]	66%	69%	TOTAL AGREE
33%[^]	34%[^]	31%	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
32. The environment				
11/21	28%	42%	19%	11%
12/20	25%	44%	20%	11%
10/20	24%	53%	15%	7%
11/19	19%	42%	18%	21%
33. Energy policy				
	32%	38%	19%	10%
34. Energy infrastructure				
	32%	36%	22%	10%
35. Climate change				
11/21	25%	42%	19%	14%
12/20	23%	43%	19%	15%
10/20	22%	54%	15%	9%

36. And, 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?

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

Continuing to think about climate change...

37. 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)**

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

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

<u>12/20</u>	<u>11/21</u>	
10%	11%	Phasing out the use of fossil fuels such as coal, oil, and gas
23%	24%	Putting more efforts in to Research, Development, and Innovation of clean energy sources
22%	16%	Improving market structure and incentives to allow clean energy technologies to more fairly compete
7%	6%	Joining international agreements such as the Paris Climate Accord
		...or...
11%	11%	Increased regulations to force businesses to comply with carbon emission standards
27%	32%	All of the above

39. Would your view of Congressional Republicans be more favorable or less favorable if they embraced a conservative approach to encouraging clean energy?

<u>10/20</u>	<u>12/20</u>	<u>11/21</u>	
18%	20%	25%	MUCH MORE FAVORABLE
51%	55%	48%	SOMEWHAT MORE FAVORABLE
14%	15%	16%	SOMEWHAT LESS FAVORABLE
17%	9%	10%	MUCH LESS FAVORABLE
69%	75%	74%[^]	TOTAL MORE FAVORABLE
31%	25%[^]	26%	TOTAL LESS FAVORABLE

**Language prior to 2021: "Would your view of Congressional Republicans be more favorable or less favorable if they embraced a conservative approach to addressing clean energy by prioritizing technology innovation and competition?"*

-
40. How would you like to see Congressional Republicans approach clean energy policy?
(RANDOMIZE)

27%	By prioritizing innovation
24%	Opening a free market by ending energy subsidies
9%	Instituting a carbon tax
40%	Establishing a national clean energy mandate

Still thinking about clean energy...

(ROTATE Q41 & Q42)

41. 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>	
38%	43%	34%	32%	35%	DEFINITELY FOR
42%	37%	35%	36%	36%	PROBABLY FOR
9%	7%	5%	7%	8%	PROBABLY AGAINST
5%	7%	3%	6%	4%	DEFINITELY AGAINST
N/A	N/A	23%	19%	17%	NO DIFFERENCE
81%[^]	80%	69%	68%	71%	TOTAL FOR
13%	14%	8%	13%	12%	TOTAL AGAINST

42. 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>	
37%	36%	33%	31%	35%	MUCH MORE LIKELY
26%	25%	45%	42%	41%	SOMEWHAT MORE LIKELY
15%	12%	15%	17%	14%	SOMEWHAT LESS LIKELY
17%	18%	7%	11%	9%	MUCH LESS LIKELY
63%	61%	78%	72%[^]	76%	TOTAL MORE LIKELY
32%	30%	22%	28%	24%[^]	TOTAL LESS LIKELY

(ROTATE BLOCKS Q43-49 & Q50-51)

Now, 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
43. Community solar projects that enable consumers to share the benefits and save money on our bills.	49%	37%	10%	4%
	86%		14%	
44. Energy efficiency upgrades to reduce the amount of power we need to generate and purchase.				
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%^	
45. Tax credits for advancing clean energy.				
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%	
46. Increasing research and development funding for clean energy solutions including electric storage.				
	50%	39%	6%	5%
	89%		11%	

Continued...

	STRG FAVOR	SMWT FAVOR	SMWT OPPOSE	STRG OPPOSE
47. Cutting regulations and red tape that slow the development of clean energy resources.				
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%[^]
48. Increase government spending to modernize America's electricity grid.				
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%
49. Allow more electric utility competition which would give people the choice of what companies they buy their power from.				
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. **(ROTATE)**

	STRG SUPPORT	SMWT SUPPORT	SMWT OPPOSE	STRG OPPOSE
50. Increasing and accelerating development of the country's clean energy infrastructure.				
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%

**Language prior to 2021: "Increasing development of the country's clean energy infrastructure."*

51. Creating a carbon tax by penalizing businesses and industries who emit high levels of CO2 with higher taxes to incentivize cleaner operations.				
	36%	36%	15%	13%
	72%			28%

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

	VERY IMPT	SMWHT IMPT	NOT TOO IMPT	NOT AT ALL IMPT
52. Protecting property owners' rights to develop renewable energy on their own lands as they best see fit.				
	47%	41%	10%	3%
	88%			12%^

(RANDOMIZE Q53-55)

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.

53. 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>
57%	56%	52%	50%	51%

(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%
-----	-----	-----	-----	-----

(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...

54. Most 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>	
60%	67%	62%	61%	52%	55%	60%	(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%	(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.
-----	-----	-----	-----	-----	-----	-----	--

55. 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>12/20</u>	<u>11/21</u>	
26%	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.

74%	73%	Supporters of renewable wind and solar projects in rural areas say those projects are good because they boost local tax revenues, create jobs, result in additional income for rural farmers, helping them to survive financially, and maintain their farm operations.
-----	-----	--

**Supporters language prior to 2021: "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=501)

56. 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>	
14%	15%	17%	16%	20%	18%	The traditional system, in which nearly everyone purchases their electricity from one monopoly utility.
...or...						
83%	83%	79%	84%	80%	82%	A more recent system that allows people to have a choice from whom they purchase electricity and what kind of electricity they consume, such as clean energy.

**Traditional system language prior to 2021: "The current system, in which nearly everyone purchases their electricity from one monopoly utility."*

***More recent system language prior to 2021: "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=499)

57. 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>	
79%	78%	81%	79%	74%	76%	America can develop a more modern 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%	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.

**Modern electricity language prior to 2021: "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."*

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
58. 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.				
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%	
59. 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.				
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
60.	We should allow clean energy companies access to the same financing options available to traditional energy companies in order to attract investments for new, clean technologies.			
	45%	43%	8%	3%
	89%^		11%	
61.	We should increase state government funding for basic research into clean energy technology without picking winners and losers, supporting efforts to reach new energy frontiers.			
	39%	40%	14%	7%
	79%		21%	
62.	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.			
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%	

63. 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?

Q27	Q63	
<u>INT</u>	<u>INF</u>	
48%	45%	STRONGLY SUPPORT
35%	37%	SOMEWHAT SUPPORT
11%	10%	SOMEWHAT OPPOSE
5%	7%	STRONGLY OPPOSE
84%^	83%^	TOTAL SUPPORT
16%	17%	TOTAL OPPOSE

Recent global supply chain issues have resulted in higher energy prices and less available supply. With this economic reality in mind would you: **(RANDOMIZE)**

	STRG SUPP	SMWHT SUPP	SMWHT OPP	STRG OPP
64. Support America increasing its domestic production of oil and gas.	35%	35%	19%	11%
	69%^		31%^	
65. Support America increasing its domestic supply chain to ensure components important to clean energy development are made in America.	50%	41%	7%	2%
	91%		9%	
66. Support America increasing domestic mining operations to develop its own supply chain of rare earth minerals necessary for clean energy solutions like windmills, solar panels, and electric vehicle batteries.	41%	43%	12%	4%
	84%		16%	

67. Congress recently passed a bipartisan, one trillion dollar bill that will fund projects to build roads, bridges, railroads, and other “hard” infrastructure. Do you support or oppose this bill?

37% STRONGLY SUPPORT
38% SOMEWHAT SUPPORT
15% SOMEWHAT OPPOSE
10% STRONGLY OPPOSE

75% TOTAL SUPPORT
25% TOTAL OPPOSE

Changing topics...

68. When it comes to America entering international accords on climate change, what should be the top issues addressed? (**RANDOMIZE**)

34% Holding other large greenhouse gas emitters like Russia and China accountable
17% Opening trade access to send U.S. produced energy to poorer nations
27% Re-negotiating tariffs to prioritize cleaner American energy production
...or...
22% America should not be entering international accords on climate change

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>	
*	*	1%	1%	*	*	*	SOME GRADE SCHOOL (GRADES 1-8)
3%	2%	2%	3%	2%	1%	3%	SOME HIGH SCHOOL (GRADES 9-11)
20%	19%	18%	18%	21%	18%	24%	GRADUATED HIGH SCHOOL (GRADE 12)
3%	2%	3%	2%	6%	6%	5%	TECHNICAL/VOCATIONAL SCHOOL
23%	24%	29%	27%	26%	28%	27%	SOME COLLEGE
32%	32%	32%	33%	16%	32%	29%	GRADUATED COLLEGE
20%	20%	16%	16%	28%	14%	13%	GRADUATE/PROFESSIONAL SCHOOL
22%^	21%^	21%	21%^	23%^	20%^	27%	HIGH SCHOOL OR LESS
25%^	26%	31%^	29%	32%	34%	32%	SOME COLLEGE
52%	52%	47%^	49%	45%^	46%	41%^	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>	
21%	18%	22%	22%	22%	27%	22%	STRONG REPUBLICAN
8%	9%	8%	6%	14%	12%	13%	NOT-SO-STRONG REPUBLICAN
10%	9%	8%	8%	3%	3%	4%	LEAN REPUBLICAN
16%	17%	15%	20%	14%	12%	18%	UNAFFILIATED / INDEPENDENT / SOMETHING ELSE
8%	10%	9%	10%	4%	3%	3%	LEAN DEMOCRAT
11%	11%	9%	8%	14%	14%	15%	NOT-SO-STRONG DEMOCRAT
26%	25%	27%	25%	28%	28%	25%	STRONG DEMOCRAT
39%	36%	39%^	36%	39%	42%	39%	TOTAL REPUBLICAN
44%^	46%	44%^	43%	47%^	45%	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>	
18%	14%	18%	18%	14%	21%	18%	VERY CONSERVATIVE
20%	19%	17%	17%	16%	14%	14%	SOMEWHAT CONSERVATIVE
34%	36%	37%	37%	45%	40%	45%	MODERATE
13%	18%	15%	12%	12%	11%	13%	SOMEWHAT LIBERAL
14%	12%	11%	13%	14%	14%	11%	VERY LIBERAL
37%^	33%	35%	35%	30%	36%^	32%	TOTAL CONSERVATIVE
27%	29%^	26%	25%	26%	25%	24%	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>	
70%	71%	72%	71%	76%	68%	73%	CAUCASIAN OR WHITE
12%	12%	11%	12%	13%	12%	12%	AFRICAN AMERICAN OR BLACK
11%	10%	11%	10%	10%	10%	10%	HISPANIC OR LATINO
3%	2%	2%	3%	1%	6%	4%	ASIAN
2%	1%	1%	1%	*	1%	1%	AMERICAN INDIAN
*	2%	1%	1%	*	2%	1%	OTHER (SPECIFY: _____)

AFTER COMPLETION OF SURVEY:

Once again, thank you for taking the time to provide your input for this important research project.