

CLEAN ENERGY NATIONAL ONLINE SURVEY

Interview Schedule



December 16-22, 2020
Project #: 201002
N=1000 Actual 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>	
48%	48%	48%	47%	47%	48%	MALE
52%	52%	52%	53%	53%	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)

C. Did you vote in the November election, or were you unable to vote?

100% YES, VOTED

F. And, did you vote by mail or send in an absentee ballot for this year's elections, did you go to an early polling location to cast a ballot before the November election, or did you vote at the polls on election day?

42% VOTED BY MAIL/ABSENTEE BALLOT
25% VOTED AT EARLY POLLING LOCATION
33% VOTED AT POLLING PLACE ON ELECTION DAY

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>	
9%	4%	7%	6%	6%	7%	18 - 24
18%	19%	16%	13%	17%	15%	25 - 34
16%	18%	15%	16%	20%	17%	35 - 44
16%	18%	15%	16%	14%	15%	45 - 54
24%	24%	24%	23%	20%	20%	55 - 64
17%	17%	21%	25%	21%	25%	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>	
29%	38%	39%	34%	32%	29%	RIGHT DIRECTION
63%	56%	57%	60%	68%	71%	WRONG TRACK

Thinking about the recent elections...

3. For whom did you vote in the election for U.S. Congress in your district... **(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>	
45%	38%	41%	39%	44%	45%	The Republican candidate ...or...
47%	47%	49%	47%	56%	50%	The Democratic candidate?
N/A	N/A	4%	N/A	–	2%	OTHER/THIRD PARTY CANDIDATE
N/A	N/A	6%	N/A	–	3%	DID NOT VOTE FOR CONGRESS

4. Do you approve or disapprove of the job Donald Trump is doing as President?

<u>11/19</u>	<u>10/20</u>	<u>12/20</u>	
32%	24%	33%	STRONGLY APPROVE
12%	19%	14%	SOMEWHAT APPROVE
7%	9%	9%	SOMEWHAT DISAPPROVE
47%	48%	45%	STRONGLY DISAPPROVE
44%	43%	47%	TOTAL APPROVE
54%	57%	53%^	TOTAL DISAPPROVE

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

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

46%	TRUMP/PENCE
51%	BIDEN/HARRIS
3%	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>	
17%	23%	STRONGLY APPROVE
23%	23%	SOMEWHAT APPROVE
18%	18%	SOMEWHAT DISAPPROVE
42%	36%	STRONGLY DISAPPROVE
41%[^]	45%[^]	TOTAL APPROVE
59%[^]	55%[^]	TOTAL DISAPPROVE

6. 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>	
20%	19%	MUCH MORE LIKELY
50%	49%	SOMEWHAT MORE LIKELY
15%	16%	SOMEWHAT LESS LIKELY
15%	15%	MUCH LESS LIKELY
70%	68%	TOTAL MORE LIKELY
30%	32%[^]	TOTAL LESS LIKELY

7. How important was the issue of climate change to your vote in the November 2020 election?
(ROTATE TOP TO BOTTOM, BOTTOM TO TOP)

<u>10/20</u>	<u>12/20</u>	
38%	24%	VERY IMPORTANT
34%	31%	SOMEWHAT IMPORTANT
17%	21%	NOT TOO IMPORTANT
		...or...
11%	24%	NOT AT ALL IMPORTANT?
72%	55%	TOTAL IMPORTANT
28%	45%	TOTAL NOT IMPORTANT

8. 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>	
34%	35%	37%	47%	34%	29%	VERY IMPORTANT
51%	49%	39%	40%	45%	43%	SOMEWHAT IMPORTANT
10%	10%	13%	8%	14%	18%	NOT TOO IMPORTANT
						...or...
5%	5%	10%	4%	6%	10%	NOT AT ALL IMPORTANT?
85%	85%^	76%	87%	80%^	72%	TOTAL IMPORTANT
15%^	15%	23%	13%^	20%	28%	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>
9. Energy.					
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
10. National security and fighting terrorism.					
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
11. Health care.					
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
12. Jobs and the economy.					
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
13. Crime.					
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
14. Clean energy.					
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>
15. Social Security and Medicare.					
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
16. Education.					
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
17. Taxes.					
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
18. Coronavirus					
12/20	54%	75%	16%	9%	8.4

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
19. Coal.			
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.			
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.			
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.			
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.			
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.			
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. Biomass.			
12/20	26%	21%	52%
10/20	29%	18%	53%
11/19	30%	12%	29%
2/18	34%	13%	39%
26. Clean Coal			
12/20	40%	28%	33%
10/20	35%	31%	35%
11/19	29%	37%	28%
2/18	32%	39%	27%

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

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

- 20% Government mandates, subsidies, and quotas
- 63% Approaches like competition that allow markets and businesses to provide more clean energy production

...OR...

- 17% 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)

10/20 **12/20**

- 17% 15% VERY LIKELY
- 32% 30% SOMEWHAT LIKELY
- 23% 25% NOT VERY LIKELY
- ...OR...
- 28% 31% NOT AT ALL LIKELY

48%^ 45% TOTAL LIKELY
52%^ 55%^ TOTAL NOT LIKELY

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.

10/20 **12/20**

- 24% 23% STRONGLY AGREE
- 42% 43% SOMEWHAT AGREE
- 25% 24% SOMEWHAT DISAGREE
- 9% 11% STRONGLY DISAGREE

67%^ 66% TOTAL AGREE
33%^ 34%^ 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				
12/20	25%	44%	20%	11%
10/20	24%	53%	15%	7%
11/19	19%	42%	18%	21%
32. Energy issues				
12/20	31%	39%	20%	10%
10/20	28%	47%	17%	7%
11/19	24%	38%	16%	20%
33. Clean energy issues				
12/20	26%	41%	21%	12%
10/20	25%	51%	16%	8%
11/19	20%	41%	18%	20%
34. Climate change				
12/20	23%	43%	19%	15%
10/20	22%	54%	15%	9%

35. 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>	
48%	52%	47%	40%	STRONGLY FAVOR
23%	19%	38%	38%	SOMEWHAT FAVOR
14%	12%	9%	12%	SOMEWHAT OPPOSE
13%	15%	6%	10%	STRONGLY OPPOSE
71%	70%^	85%	78%	TOTAL FAVOR
27%	27%	15%^	22%	TOTAL OPPOSE

Continuing to think about climate change...

36. 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>	
43%	39%	Climate change is an extreme threat.
34%	29%	Climate change is a threat to be considered.
16%	21%	Climate change is a minor threat.
8%	12%	Climate change is not at all a threat.

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

- 10% Phasing out the use of fossil fuels such as coal, oil, and gas
- 23% Putting more efforts in to Research, Development, and Innovation of clean energy sources
- 22% Improving market structure and incentives to allow clean energy technologies to more fairly compete
- 7% Joining international agreements such as the Paris Climate Accord

...OR...

- 11% Increased regulations to force businesses to comply with carbon emission standards
- 7% All of the above

38. 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?

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

Still thinking about clean energy...

(ROTATE Qs. 39 & 40)

39. 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>	
38%	43%	34%	32%	DEFINITELY FOR
42%	37%	35%	36%	PROBABLY FOR
9%	7%	5%	7%	PROBABLY AGAINST
5%	7%	3%	6%	DEFINITELY AGAINST
N/A	N/A	23%	19%	NO DIFFERENCE
81%[^]	80%	69%	68%	TOTAL FOR
13%	14%	8%	13%	TOTAL AGAINST

40. 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>	
37%	36%	33%	31%	MUCH MORE LIKELY
26%	25%	45%	42%	SOMEWHAT MORE LIKELY
15%	12%	15%	17%	SOMEWHAT LESS LIKELY
17%	18%	7%	11%	MUCH LESS LIKELY
63%	61%	78%	72%[^]	TOTAL MORE LIKELY
32%	30%	22%	28%	TOTAL LESS LIKELY

Now thinking about our electric grid...

41. Given America's unpreparedness for the Coronavirus pandemic, how important is it to you that we apply lessons learned and begin taking steps to protect our electricity grid from disaster, which experts say is just a matter of time? ...**(ROTATE TOP TO BOTTOM/BOTTOM TO TOP)**

<u>10/20</u>	<u>12/20</u>	
56%	58%	VERY IMPORTANT
37%	33%	SOMEWHAT IMPORTANT
4%	5%	NOT VERY IMPORTANT
		...OR...
2%	4%	NOT AT ALL IMPORTANT
94%^	91%	TOTAL IMPORTANT
6%	9%	TOTAL NOT IMPORTANT

(ROTATE Q42-50 & Q51-54)

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
42. Community renewable projects like solar that enable consumers to share the benefits and save money on their bills.				
12/20	44%	43%	8%	5%
	87%		13%	
10/20	44%	46%	8%	2%
	90%		10%	
11/19	61%	26%	6%	6%
	87%		12%	
11/18	59%	29%	5%	5%
	88%		10%	
43. Energy efficiency upgrades to reduce the amount of power we need to generate and purchase.				
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%[^]	
44. Tax credits for advancing clean energy.				
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%	

(Continued...)

	STRG FAVOR	SMWT FAVOR	SMWT OPPOSE	STRG OPPOSE
45. 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				
12/20	39%	48%	10%	4%
	87%			13%^
10/20	42%	47%	8%	3%
	89%			11%
11/19	58%	26%	7%	6%
	84%			13%
46. 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.				
12/20	23%	46%	20%	10%
	69%			31%^
10/20	25%	52%	16%	7%
	77%			23%
11/19	31%	34%	13%	16%
	65%			29%
47. Cutting regulations and red tape that slow the development of clean energy resources.				
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. More funding for research and development of clean energy solutions.				
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
49. Increase government spending to modernize America's electricity grid.				
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%	
50. Allow more electric utility competition which would give people the choice of what companies they buy their power from.				
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
51. Increasing development of the country's clean energy infrastructure.				
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%
52. Focusing on creating transparency and accountability for emissions reductions undertaken by states, cities and towns, and businesses.				
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%
53. Changing the tax system to help reduce carbon emissions by rewarding low carbon emitters and penalizing high carbon emitters.				
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%
54. Reducing greenhouse gases by taxing carbon based fuels such as coal, oil, and natural gas.				
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 at all important. **(ROTATE)**

	VERY IMPT	SMWHT IMPT	NOT TOO IMPT	NOT AT ALL IMPT
55. Protecting property owners' ability to produce energy on their land.				
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%	
56. Protecting property owners' rights to lease their land for renewable energy production.				
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 Q57-61)

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.

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

11/18 11/19 10/20 12/20
57% 56% 52% 50%

(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%

(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...

58. 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>
60%	67%	62%	61%	52%	55%

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

(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.

-
59. 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)**

26% 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...

74% 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 A, N=484)

60. 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>	
14%	15%	17%	16%	20%	The current system, in which nearly everyone purchases their electricity from one monopoly utility.

...or...

83%	83%	79%	84%	80%	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 B, 516)

61. 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>	
79%	78%	81%	79%	74%	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%	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
62. 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.				
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%	
63. 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.				
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
64. 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.				
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%
65. 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.				
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%
66. 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.				
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%

67. 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	Q67	
INT	INF	
44%	39%	STRONGLY SUPPORT
40%	41%	SOMEWHAT SUPPORT
11%	13%	SOMEWHAT OPPOSE
5%	7%	STRONGLY OPPOSE
84%	80%	TOTAL SUPPORT
16%	20%	TOTAL OPPOSE

Thinking about an issue that has been in the news recently...

68. As you may know, there is a large proposed wind farm project near a major Air Force base in Texas. Please read the following information about the controversy surrounding the proposal, and please indicate how concerned you are about this proposal.

The primary owner of the proposed wind farm is a Chinese billionaire who has close ties to the Chinese military and the Communist Party of China. Opponents of the project are worried about the proximity of the large wind farm to a key military installation and when completed, the project may allow this Chinese company access to national security threat assessments. Opponents also say the Chinese owned energy company may have the ability to disrupt a part of our nation's energy grid.

Now that you have heard more about this issue, how concerning is the proposal to you – **(ROTATE TOP TO BOTTOM/BOTTOM TO TOP)** very concerning, somewhat concerning, not very concerning, or not at all concerning?

50%	VERY CONCERNING
38%	SOMEWHAT CONCERNING
9%	NOT VERY CONCERNING
3%	NOT AT ALL CONCERNING
89%^	TOTAL CONCERNING
11%^	TOTAL NOT CONCERNING

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

AFTER COMPLETION OF SURVEY:

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