

Minnesota Target District Clean Energy Survey

Interview Schedule

CONFIDENTIAL

Field Dates: March 21-24, 2018

Project #: 18209

N=500 Likely GOP/Ind Voters

N=300 Landline

N=200 Cell Phone

Margin of Error = \pm 4.38%

N=165 CD-1 Voters

N=168 CD-2 Voters

N=167 CD-3 Voters

** 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.

(ASK OF ALL CELL SAMPLE)

B. Before we begin, I need to know if I have reached you on a cell phone, and if so, are you in a place where you can talk safely without endangering yourself or others?

100% Yes, cell and in safe place

(ASK OF THOSE IN QA WHO ARE NOT THE NAME ON THE VOTER FILE)

D. Are you registered to vote in Minnesota?

(IF YES, ASK:) And would you say you are certain you are registered to vote in Minnesota?

100% YES, CERTAIN **(CONTINUE)**

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

100% NO

D2. And in politics today, do you consider yourself... **(ROTATE FIRST TWO)**

a Republican,
a Democratic-Farmer-Labor,
an Independent or something else?

(IF REPUBLICAN, ASK) Would you call yourself a STRONG Republican or a NOT-SO-STRONG Republican?

(IF INDEPENDENT/OTHER/SOMETHING ELSE, ASK) Do you think of yourself as closer to the... **(ROTATE)** the Republican part ...or... the Democratic-Farmer-Labor party?

TOTAL	CD1	CD2	CD3	
32%	30%	35%	31%	STRONG REPUBLICAN
12%	14%	11%	11%	NOT-SO-STRONG REPUBLICAN
17%	19%	20%	11%	LEAN REPUBLICAN
32%	29%	28%	38%	SOMETHING ELSE/INDEPENDENT
8%	8%	6%	9%	LEAN DEMOCRATIC-FARMER-LABOR
68%	70%	65%	69%	SOFT/LEAN GOP/IND/DFL

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

1. In what year were you born?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
4%	3%	4%	5%	18 - 24
7%	3%	9%	8%	25 - 34
18%	22%	18%	14%	35 - 44
19%	21%	22%	15%	45 - 54
26%	24%	24%	30%	55 - 64
25%	26%	22%	27%	65 AND ABOVE
*	*	1%	-	REFUSED

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

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
50%	49%	49%	53%	RIGHT DIRECTION
42%	45%	42%	38%	WRONG TRACK
7%	6%	8%	8%	NO OPINION (DO NOT READ)
1%	1%	1%	2%	REFUSED (DO NOT READ)

3. Now I am going to read you the name of a company here in Minnesota, and please rate that company on a zero through one hundred scale, where zero means you have a COLD, VERY UNFAVORABLE feeling toward that company, one hundred means you have WARM, VERY FAVORABLE feeling toward that company, and fifty is neutral. Of course, you can choose any number between zero and one hundred. The company is Xcel Energy. (USE 999 FOR DK/REFUSED)

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
23%	17%	24%	28%	76-100
30%	18%	34%	37%	51-75
34%	45%	30%	27%	50
10%	13%	11%	6%	0-49
3%	8%	-	1%	DON'T KNOW/REFUSED
62.1	56.4	62.7	66.6	MEAN

Thinking now about energy...

Do you think that Minnesota 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	----DNR----	
					DK	REF
4.	Coal.					
CD3	22%		47%	30%	–	–
CD2	26%		37%	36%	1%	1%
CD1	29%		35%	36%	1%	–
TOTAL	26%		40%	34%	1%	*
5.	Natural gas.					
CD3	42%		8%	47%	2%	–
CD2	44%		7%	48%	1%	–
CD1	44%		11%	42%	2%	–
TOTAL	43%		9%	46%	2%	–
6.	Wind.					
CD3	53%		20%	28%	–	–
CD2	49%		25%	27%	–	–
CD1	48%		27%	25%	1%	–
TOTAL	50%		24%	26%	*	–

(Continued...)

		----DNR----			
	MORE EMPHASIS	LESS EMPHASIS	SAME	DK	REF
7.	Solar power.				
CD3	63%	15%	22%	*	—
CD2	64%	16%	20%	—	—
CD1	65%	18%	15%	1%	—
TOTAL	64%	17%	19%	*	—
8.	Nuclear power.				
CD3	27%	27%	43%	2%	—
CD2	42%	27%	30%	2%	—
CD1	24%	39%	35%	2%	—
TOTAL	31%	31%	36%	2%	—

9. And, for whom would you vote... **(ROTATE)**

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
32%	29%	35%	31%	Candidate A says that Minnesota should focus on having its energy needs met by coal and natural gas because it is less expensive than so-called clean energy sources. Candidate A says that coal and natural gas remain quite plentiful and have gotten cleaner and less expensive and that spending on clean energy is a waste of money.
				...while...
64%	68%	60%	65%	Candidate B says that Minnesota should focus on an all-of-the-above energy strategy that includes clean energy sources such as wind and solar power in addition to coal and natural gas. Candidate B says that by lowering our dependence on fossil fuels, we can help keep the air and water cleaner, and growing the clean energy industry in Minnesota will create thousands of jobs and help grow our economy as it has in other states.
3%	2%	5%	3%	Undecided/Don't Know (DO NOT READ)
1%	1%	–	2%	Refused (DO NOT READ)

Still thinking about energy, I am going to read you a statement. After I read it, please tell me whether you agree or disagree with that statement.

10. Minnesota should pursue an all-of-the-above energy strategy, which means lowering our heavy dependence on fossil fuels over time and allowing an increase in electricity generation from renewable energy sources as well as more energy efficiency, and I support taking action to accelerate the development and use of clean energy in Minnesota.

(IF AGREE/DISAGREE, ASK) And, do you **STRONGLY (agree/disagree)** or just **SOMEWHAT (agree/disagree)**?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
34%	36%	29%	37%	STRONGLY AGREE
39%	36%	41%	39%	SOMEWHAT AGREE
15%	16%	15%	14%	SOMEWHAT DISAGREE
10%	10%	13%	7%	STRONGLY DISAGREE
1%	1%	2%	1%	DON'T KNOW (DO NOT READ)
1%	1%	–	2%	REFUSED (DO NOT READ)
73%	72%	70%	76%	TOTAL AGREE
25%	26%	28%	21%	TOTAL DISAGREE

Now I am going to read you a list of policies that advocates have prioritized to help expand Minnesota's commitment to clean energy. After I read each one, please tell me whether you think that policy is very important, somewhat important, not too important, or not important at all.

	VERY IMPT	SMWHT IMPT	NOT TOO IMPT	NOT AT ALL IMPT	DK (DNR)	REF (DNR)
11. Net metering policies that enable more homeowners and farmers to invest in their own renewable energy by compensating them for the extra energy they produce, which is used by other customers.						
CD3	39%	43%	13%	3%	1%	1%
	82%		17%^			
CD2	45%	37%	11%	6%	*	—
	82%		17%			
CD1	42%	43%	9%	5%	1%	—
	86%^		14%			
TOTAL	42%	41%	11%	5%	1%	*
	83%		16%			
12. Permit third-party sales of electricity from outside the monopoly utility so that customers can have more choice to shop for the lowest-cost option.						
CD3	46%	36%	13%	4%	1%	—
	83%^		17%			
CD2	45%	39%	10%	4%	3%	—
	83%^		13%^			
CD1	46%	39%	9%	5%	1%	—
	86%^		14%			
TOTAL	46%	38%	11%	4%	2%	—
	84%		15%			
13. Strengthen community solar projects that provide customers more choices about how to purchase solar energy at the lowest cost.						
CD3	33%	42%	16%	9%	1%	—
	75%		25%			
CD2	35%	36%	19%	9%	1%	—
	71%		28%			
CD1	40%	40%	10%	10%	*	—
	79%^		20%			
TOTAL	36%	39%	15%	9%	1%	—
	75%		24%			

(Continued...)

	VERY IMPT	SMWHT IMPT	NOT TOO IMPT	NOT AT ALL IMPT	DK (DNR)	REF (DNR)
14. Encourage utilities to invest more in efficiency programs to reduce the amount of power we need to generate and purchase.						
CD3	47%	44%	6%	3%	—	—
	91%		9%			
CD2	45%	42%	7%	4%	1%	—
	88%^		11%			
CD1	52%	37%	7%	4%	*	—
	89%		11%			
TOTAL	48%	41%	7%	4%	1%	—
	89%		10%^			

Still thinking about clean energy...

15. Would you be more likely or less likely to vote for a candidate for political office here in Minnesota if you learned that the candidate SUPPORTS taking action to increase the development and use of clean energy, like solar, wind, and energy efficiency programs?

(IF MORE/LESS LIKELY) And, is that MUCH (**more/less**) likely or just SOMEWHAT (**more/less**) likely?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
24%	25%	20%	26%	MUCH MORE LIKELY
40%	43%	37%	41%	SOMEWHAT MORE LIKELY
17%	18%	17%	15%	SOMEWHAT LESS LIKELY
11%	10%	15%	9%	MUCH LESS LIKELY
6%	2%	9%	8%	NO DIFFERENCE (DO NOT READ)
1%	1%	2%	1%	DON'T KNOW (DO NOT READ)
1%	1%	—	*	REFUSED (DO NOT READ)
64%	68%	57%	67%	TOTAL MORE LIKELY
28%	28%	32%	24%	TOTAL LESS LIKELY

16. And, are you satisfied with your options for electricity, or do you prefer to have additional options for getting electricity?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
47%	49%	47%	46%	SATISFIED
50%	48%	51%	51%	PREFER ADDITIONAL OPTIONS
3%	3%	2%	4%	DON'T KNOW/NOT SURE (DO NOT READ)
–	–	–	–	REFUSED (DO NOT READ)

Still thinking about this...

17. Which of the following statements do you most agree with? **(ROTATE)**

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
69%	69%	68%	68%	Investing in things like solar panels and making buildings more energy efficient is worth it because it saves a lot of money in the long run due to using less energy overall and drawing energy from renewable sources
				...or...
27%	27%	27%	27%	Investing in things like solar panels and making buildings more energy efficient is not worth it because it costs a lot of money up front to pay for installing solar panels and retrofitting buildings.
4%	5%	4%	3%	DON'T KNOW/NOT SURE (DO NOT READ)
1%	–	–	2%	REFUSED (DO NOT READ)

I am now going to read you a few 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 I read each statement, please tell me whether you agree or disagree with that statement.
(RANDOMIZE)

(IF AGREE/DISAGREE, ASK) And do you strongly **(agree/disagree)** with that statement or just somewhat **(agree/disagree)**?

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR	DK (DNR)	REF (DNR)
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The **(first/next)** one is...

(SPLIT SAMPLE, ASK SAMPLE A Qs 18-20)

18. We should accelerate the growth of clean energy so that we can produce more of our own electricity in Minnesota and rely less on importing from other states and countries.

CD3	46%	38%	7%	9%	1%	–
	84%		15%^			
CD2	40%	35%	13%	12%	–	–
	75%		25%			
CD1	47%	31%	14%	6%	2%	–
	78%		20%			
TOTAL	44%	35%	11%	9%	1%	–
	79%		20%			

19. We should accelerate the growth of clean energy so that we can have cleaner, healthier air and less pollution in our state and communities.

CD3	49%	35%	6%	10%	–	–
	84%		16%			
CD2	35%	37%	14%	14%	–	–
	72%		28%			
CD1	48%	37%	6%	7%	2%	–
	85%		13%			
TOTAL	44%	36%	9%	10%	1%	–
	80%		19%			

(Continued...)

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR	DK (DNR)	REF (DNR)
20.	We should accelerate the growth of clean energy to allow American innovation and entrepreneurs to drive economic growth and job creation.					
CD3	41%	41%	8%	9%	—	—
	83%			17%		
CD2	35%	38%	10%	16%	1%	—
	72%^			27%^		
CD1	40%	38%	15%	6%	1%	—
	78%			21%		
TOTAL	39%	39%	11%	10%	1%	—
	78%			21%		

(SPLIT SAMPLE, ASK SAMPLE B Qs 21-23)

21. Minnesota should give businesses and consumers more choices about how to transition away from burning fossil fuels in order to drive innovation and competitive pricing.

CD3	37%	45%	13%	5%	—	—
	82%			18%		
CD2	41%	33%	13%	11%	1%	—
	74%			25%^		
CD1	28%	48%	12%	9%	2%	—
	76%			21%		
TOTAL	35%	42%	13%	9%	1%	—
	77%			21%^		

22. We should accelerate the growth of clean energy so that Minnesota can be a national leader in the competition for economic development and good-paying jobs.

CD3	31%	33%	25%	10%	—	1%
	65%^			34%^		
CD2	30%	41%	15%	14%	—	—
	71%			29%		
CD1	39%	37%	8%	14%	1%	—
	76%			23%^		
TOTAL	34%	37%	16%	13%	*	*
	71%			29%		

(Continued...)

	STRG AGR	SMWHT AGR	SMWHT DISAGR	STRG DISAGR	DK (DNR)	REF (DNR)
23. Minnesota should accelerate the growth of clean energy in order to help conserve God's creation.						
CD3	35%	36%	13%	9%	4%	3%
	70%^		22%			
CD2	39%	34%	10%	17%	–	–
	73%		27%			
CD1	39%	35%	7%	15%	3%	–
	75%		23%^			
TOTAL	38%	35%	10%	14%	2%	1%
	73%		24%			

Right now, electricity in Minnesota is sold to you by a monopoly that is overseen by the state government in order to ensure quality and price. In the future, there may be a more competitive marketplace, which would give electricity consumers more choice but where quality and price would be left up to the market and in which government regulators primarily focus on power quality instead of price.

(SPLIT SAMPLE, ASK SAMPLE A)

24. Now, I would like to read you two options for purchasing electricity, and please tell me which one you prefer. **(ROTATE)**

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
20%	17%	16%	27%	The current system, in which nearly everyone purchases their electricity from one government-regulated monopoly utility ...or...
77%	78%	80%	72%	A new system that allows people to have a choice of where they purchase electricity and what kind of electricity, such as clean energy.

(PROMPT, IF NECESSARY) Which one do you prefer?

3%	4%	4%	1%	Don't Know/Not Sure (DO NOT READ)
*	1%	—	—	Refused (DO NOT READ)

(SPLIT SAMPLE, ASK SAMPLE B)

25. Now, I would like to read you two options for purchasing electricity, and please tell me which one comes closest to your own opinion. **(ROTATE)**

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
70%	69%	69%	71%	America should create a new electricity system that benefits the environment, accelerates the availability of new technology, and opens up markets to competition, giving consumers more choices instead of just their monopoly utility, as well as more choices to select the lowest-cost option. ...or...
26%	28%	26%	23%	The current electricity monopoly system works fine as it is, and change will only end up creating confusion, reducing quality, and resulting in higher costs for consumers.

(PROMPT, IF NECESSARY) Which one comes closest to your own opinion?

3%	1%	5%	2%	Don't Know/Not Sure (DO NOT READ)
1%	1%	–	3%	Refused (DO NOT READ)

26. Which of the following would be the MAIN reason you would switch from purchasing electricity from your utility to an electric provider selected from the free market? **(RANDOMIZE)**

TOTAL	CD1	CD2	CD3	
55%	61%	54%	50%	Lower prices and savings
18%	16%	17%	21%	Environmental reasons
10%	7%	12%	10%	Innovative products and services like smart thermostats and lighting
9%	6%	10%	11%	Budget certainty
				...or...
2%	2%	1%	3%	I do not like my utility company
3%	1%	3%	3%	Other (Specify: _____) (DO NOT READ)
2%	6%	1%	1%	Don't Know (DO NOT READ)
1%	1%	2%	1%	Refused (DO NOT READ)

Changing topics slightly...

27. As you may know, Xcel Energy is encouraging the state legislature to pass a bill that would allow Xcel Energy to make more than one billion dollars in improvements to their power plants. Xcel's bill would also weaken the power of state regulators to control for cost and quality. Would you favor or oppose this bill?

(IF CHOICE) And, do you **STRONGLY (choice)** or just **SOMEWHAT (choice)**?

TOTAL	CD1	CD2	CD3	
8%	6%	8%	9%	STRONGLY FAVOR
31%	29%	28%	35%	SOMEWHAT FAVOR
30%	30%	28%	31%	SOMEWHAT OPPOSE
20%	21%	24%	16%	STRONGLY OPPOSE
11%	13%	10%	9%	DON'T KNOW/UNDECIDED (DO NOT READ)
1%	1%	2%	1%	REFUSED (DO NOT READ)
38%^	35%	36%	44%	TOTAL FAVOR
50%	51%	52%	47%	TOTAL OPPOSE

28. Would you be more likely or less likely to favor this bill if you learned that this bill is part of an effort to reduce the use of carbon in Minnesota, while still making sure electricity is available at an affordable price?

(IF MORE/LESS LIKELY) And, is that MUCH (**more/less**) likely or just SOMEWHAT (**more/less**) likely?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
22%	22%	21%	25%	MUCH MORE LIKELY
47%	48%	45%	47%	SOMEWHAT MORE LIKELY
12%	10%	13%	12%	SOMEWHAT LESS LIKELY
8%	9%	9%	5%	MUCH LESS LIKELY
7%	6%	7%	8%	NO DIFFERENCE (DO NOT READ)
3%	4%	3%	2%	DON'T KNOW (DO NOT READ)
1%	1%	1%	1%	REFUSED (DO NOT READ)
69%	70%	66%	72%	TOTAL MORE LIKELY
20%	19%	22%	17%	TOTAL LESS LIKELY

29. Because it is the largest utility company in the state, Xcel Energy is overseen by a government agency charged with overseeing quality and cost controls of utilities. Xcel Energy's bill would significantly limit this oversight for some of the company's power plants in the state. How concerning is limiting this oversight to you? Is it... (**ROTATE TOP TO BOTTOM, BOTTOM TO TOP**)

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
20%	18%	24%	19%	Very concerning
51%	55%	47%	51%	Somewhat concerning
16%	14%	17%	18%	Not too concerning
				...or...
11%	12%	11%	10%	Not at all concerning?
1%	1%	1%	2%	Don't Know (DO NOT READ)
*	-	1%	-	Refused (DO NOT READ)
71%	73%	71%	70%	TOTAL CONCERNING
27%	26%	28%	28%	TOTAL NOT CONCERNING

30. Now that you have heard some more information, please rate Xcel Energy on a zero through one hundred scale, where zero means you have a COLD, VERY UNFAVORABLE feeling toward Xcel Energy, one hundred means you have WARM, VERY FAVORABLE feeling toward Xcel Energy, and fifty is neutral. Of course, you can choose any number between zero and one hundred. **(USE 999 FOR DK/REFUSED)**

-----INITIAL-----

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
23%	17%	24%	28%	76-100
30%	18%	34%	37%	51-75
34%	45%	30%	27%	50
10%	13%	11%	6%	0-49
3%	8%	–	1%	DON'T KNOW/REFUSED

62.1 56.4 62.7 66.6 MEAN

-----INFORMED-----

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
20%	14%	21%	25%	76-100
31%	20%	35%	38%	51-75
34%	47%	30%	26%	50
14%	17%	14%	12%	0-49
1%	2%	*	–	DON'T KNOW/REFUSED

59.2 54.0 60.3 62.9 MEAN

Now, I just have a few more questions for statistical purposes only.

D1. What is the last grade you completed in school? **(DO NOT READ)**

TOTAL	CD1	CD2	CD3	
—	—	—	—	SOME GRADE SCHOOL (GRADES 1-8)
2%	2%	2%	2%	SOME HIGH SCHOOL (GRADES 9-11)
15%	21%	11%	12%	GRADUATED HIGH SCHOOL (GRADE 12)
7%	12%	6%	2%	TECHNICAL/VOCATIONAL SCHOOL
25%	21%	29%	25%	SOME COLLEGE
40%	32%	43%	47%	GRADUATED COLLEGE
11%	12%	10%	12%	GRADUATE/PROFESSIONAL SCHOOL
*	1%	—	—	REFUSED (DO NOT READ)
16%^	22%^	13%	14%	HIGH SCHOOL OR LESS
32%	33%	35%	27%	SOME COLLEGE
52%^	44%	52%^	59%	COLLEGE+

D3. 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, ASK:) And would you say you are VERY **(conservative/liberal)**, or just SOMEWHAT **(conservative/liberal)**?

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
35%	33%	37%	34%	VERY CONSERVATIVE
29%	33%	30%	24%	SOMEWHAT CONSERVATIVE
27%	24%	22%	34%	MODERATE
5%	5%	6%	3%	SOMEWHAT LIBERAL
2%	3%	3%	1%	VERY LIBERAL
2%	1%	2%	3%	DON'T KNOW (DO NOT READ)
1%	1%	*	1%	REFUSED (DO NOT READ)
64%	66%	67%	58%	TOTAL CONSERVATIVE
7%	8%	9%	4%	TOTAL LIBERAL

D4. Gender **(BY OBSERVATION)**

<u>TOTAL</u>	<u>CD1</u>	<u>CD2</u>	<u>CD3</u>	
50%	50%	50%	50%	MALE
50%	50%	50%	50%	FEMALE