



ABC Public Affairs

2023 PA Energy Policy Survey

Demographic Crosstab

Performed by ABC Public Affairs

The 2023 PA Energy Policy Survey was conducted by online interviews from December 10-12 among a random sample of 1022 likely 2024 voters. The survey has a margin of error of +/- 3 percentage points.

2023 PA Energy Policy Survey

Demographic Crosstab

Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q4 2020 Vote	Joe Biden	9.1%	81.1%	37.7%	45.9%
	Donald Trump	86.2%	10.1%	39.8%	46%
	Another candidate	1.7%	4%	10.5%	3.5%
	Did not vote	3.1%	4.7%	12%	4.6%
Total		100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	24.3%	21.7%	5.2%	22.6%
	Somewhat likely	28.8%	29.7%	64.9%	30%
	Not very likely	26.9%	33.2%	11.1%	29.7%
	Not at all likely	20.1%	15.4%	18.8%	17.7%
Total		100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	5.6%	11.2%	2.3%	8%
	Somewhat approve	25.4%	40.7%	28%	32.9%
	Neither approve nor disapprove	27.6%	23.7%	24.4%	25.5%
	Somewhat disapprove	27.4%	18.4%	31%	23.4%
	Strongly disapprove	14%	6%	14.4%	10.2%
Total		100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	36.1%	12.2%	9.2%	22.5%
	I support renewable energy over traditional energy sources like gas and coal.	11.4%	38.1%	31.8%	25.9%

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	44%	40.1%	41.5%	41.9%
	I don't know enough to state my opinion	8.5%	9.5%	17.5%	9.7%
	Total	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q11 Power Grid Reliability	Very reliable	16.5%	20.4%	9.9%	17.8%
	Somewhat reliable	48.2%	47.4%	49%	47.9%
	Neither reliable nor unreliable	20%	24.4%	30.1%	22.9%
	Somewhat unreliable	12.7%	5.8%	8%	9%
	Very unreliable	2.7%	1.9%	3%	2.3%
	Total	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	43.3%	35.4%	29.6%	38.4%
	The price of power	40.1%	31.7%	33.2%	35.5%
	The amount of pollution from local power plants	5.2%	16.3%	13.8%	11.2%
	I do not know enough about the electric grid to state my opinion	11.4%	16.7%	23.3%	14.9%
	Total	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	34.7%	25%	19.1%	28.8%
	Energy from nuclear plants	23.1%	8.5%	14%	15.4%
	Energy from coal	11.6%	5.1%	8.5%	8.2%
	Energy from Solar	16.6%	34.8%	30%	26.4%
	Energy from Wind	5%	12.9%	9%	9.1%
	Energy from hydroelectric dams	3.7%	4.6%	5.8%	4.3%
	Energy from batteries that store power from wind or solar	5.3%	9.1%	13.6%	7.8%
	Total	100%	100%	100%	100%

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Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q13R3 Second choice	Energy natural gas power plants	20.6%	9.5%	15%	14.8%
	Energy from nuclear plants	18.7%	12.3%	9.6%	14.9%
	Energy from coal	16.5%	5.3%	6.4%	10.3%
	Energy from Solar	12.8%	28.3%	21.9%	21%
	Energy from Wind	13%	23.1%	19.6%	18.3%
	Energy from hydroelectric dams	11.6%	7.8%	10.9%	9.7%
	Energy from batteries that store power from wind or solar	6.9%	13.8%	16.6%	11%
Total		100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	11.6%	10.1%	8.4%	10.6%
	Energy from nuclear plants	8.1%	9.5%	3.2%	8.3%
	Energy from coal	18.6%	8.7%	8.4%	13.1%
	Energy from Solar	12.2%	16.8%	16.4%	14.7%
	Energy from Wind	13.6%	22.7%	34.4%	19.7%
	Energy from hydroelectric dams	25.7%	15.7%	13.4%	19.9%
	Energy from batteries that store power from wind or solar	10.2%	16.6%	15.8%	13.7%
Total		100%	100%	100%	100%

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Demographic Crosstab

Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q14R2 Energy from gas and oil	Very favorable	46.9%	19.3%	23.2%	31.7%
	Somewhat favorable	35.6%	24.1%	19.3%	28.8%
	Neither favorable nor unfavorable	11.8%	19.1%	16.7%	15.7%
	Unsure	0.2%	1.2%	4%	1%
	Somewhat unfavorable	4.3%	21.3%	26.1%	14.2%
	Very unfavorable	1.3%	15.1%	10.7%	8.6%
Total		100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	31.8%	11%	14.4%	20.4%
	Somewhat favorable	30.1%	25.1%	35.8%	28.2%
	Neither favorable nor unfavorable	16.1%	22.6%	16.4%	19.2%
	Unsure	1.7%	2.9%	4.3%	2.5%
	Somewhat unfavorable	9.5%	17.1%	14.3%	13.5%
	Very unfavorable	10.8%	21.3%	14.7%	16.2%
Total		100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	29.1%	9.4%	13.8%	18.4%
	Somewhat favorable	28.8%	19.2%	27.7%	24.1%
	Neither favorable nor unfavorable	17.7%	17.8%	21.9%	18.1%
	Unsure	0.2%	1.1%	2.2%	0.8%
	Somewhat unfavorable	17.9%	22.3%	10.6%	19.4%
	Very unfavorable	6.2%	30.1%	23.8%	19.1%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q14R5 Energy from Solar	Very favorable	32.9%	62.9%	52.4%	48.8%
	Somewhat favorable	34.3%	22.6%	22.8%	27.8%
	Neither favorable nor unfavorable	16.4%	9.8%	14.7%	13.1%
	Unsure	0.4%	0.7%	2.2%	0.7%
	Somewhat unfavorable	8.6%	1.8%	2.9%	4.9%
	Very unfavorable	7.4%	2.1%	5%	4.7%
Total		100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	29.4%	57.5%	51.2%	44.6%
	Somewhat favorable	30.7%	28.1%	21.4%	28.7%
	Neither favorable nor unfavorable	17.3%	11%	17.5%	14.3%
	Unsure	1%	0.9%	2.2%	1.1%
	Somewhat unfavorable	9.5%	1.9%	0%	5%
	Very unfavorable	12.1%	0.6%	7.6%	6.2%
Total		100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	59.1%	40.2%	48.8%	49.2%
	Somewhat reliable	31.8%	33.8%	27.4%	32.4%
	Neither reliable or unreliable	5.7%	14.8%	12.9%	10.6%
	Unsure	0%	2.2%	2.2%	1.2%
	Somewhat unreliable	3%	7.9%	7.1%	5.7%
	Very unreliable	0.4%	1.1%	1.7%	0.8%
Total		100%	100%	100%	100%

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Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q15R3 Energy from nuclear plants	Very reliable	48.6%	23%	37.6%	35.4%
	Somewhat reliable	27.8%	30.3%	22.1%	28.5%
	Neither reliable or unreliable	10.1%	20.2%	18.9%	15.6%
	Unsure	1.8%	9.7%	8.1%	6.1%
	Somewhat unreliable	4.4%	10.2%	6.1%	7.3%
	Very unreliable	7.4%	6.7%	7.2%	7%
Total		100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	50.2%	22.5%	33.8%	35.6%
	Somewhat reliable	34.3%	32.3%	32.9%	33.2%
	Neither reliable or unreliable	8.6%	18.5%	17.4%	14.1%
	Unsure	0.9%	4.7%	5%	3%
	Somewhat unreliable	4.3%	14.4%	10.8%	9.7%
	Very unreliable	1.8%	7.6%	0%	4.4%
Total		100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	20.2%	38.3%	32%	29.8%
	Somewhat reliable	35.4%	38.2%	33.7%	36.6%
	Neither reliable or unreliable	12.7%	12.1%	12%	12.4%
	Unsure	0%	1.3%	3.2%	0.9%
	Somewhat unreliable	18.5%	8.1%	11.2%	12.9%
	Very unreliable	13.1%	2%	7.9%	7.4%
Total		100%	100%	100%	100%

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		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q15R6 Energy from Wind	Very reliable	17.5%	30.5%	26.6%	24.5%
	Somewhat reliable	31.4%	39.5%	31.5%	35.3%
	Neither reliable or unreliable	15.4%	16.4%	11%	15.5%
	Unsure	0.4%	1.7%	5%	1.4%
	Somewhat unreliable	20.6%	9.8%	17.8%	15.2%
	Very unreliable	14.6%	2%	8.1%	8.1%
Total		100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	36.8%	67%	61.6%	53.3%
	Expanding exploration and production	55.3%	27.1%	28.6%	39.6%
	Don't know	7.9%	5.9%	9.7%	7.1%
Total		100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	22.2%	63%	43.1%	43.4%
	Somewhat support	37.6%	23.9%	31.3%	30.5%
	Neither support nor oppose	16.5%	8.4%	15.9%	12.6%
	Not sure	0.6%	0.9%	2.2%	0.9%
	Somewhat oppose	13%	2.9%	2.6%	7.3%
	Strongly oppose	10.3%	1%	5%	5.4%
Total		100%	100%	100%	100%

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		Republican	Democrat	Independent/Other	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	19.6%	45.9%	35.8%	33.5%
	Somewhat support	30.3%	34.4%	27.2%	32%
	Neither support nor oppose	24.1%	13.6%	18.7%	18.7%
	Not sure	2.2%	2.2%	7.1%	2.6%
	Somewhat oppose	9.4%	3%	3.5%	5.9%
	Strongly oppose	14.4%	0.9%	7.8%	7.4%
Total		100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	13.8%	46.8%	37.5%	31.5%
	Somewhat support	27.4%	32%	21.2%	29.1%
	Neither support nor oppose	24.5%	11.2%	24.6%	18.1%
	Not sure	2.3%	2.6%	5.5%	2.7%
	Somewhat oppose	13.2%	5.4%	6.8%	9%
	Strongly oppose	18.8%	1.9%	4.3%	9.5%
Total		100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	11.3%	35.9%	29.5%	24.5%
	Somewhat support	23.6%	36.9%	25.3%	30.1%
	Neither support nor oppose	17.7%	17.6%	17.3%	17.7%
	Not sure	0.9%	1.1%	8.8%	1.7%
	Somewhat oppose	14.6%	5.5%	5.7%	9.5%
	Strongly oppose	31.9%	3%	13.5%	16.6%
Total		100%	100%	100%	100%

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		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	17.5%	50.8%	32.7%	34.6%
	Somewhat support	25.9%	28.1%	30.8%	27.3%
	Neither support nor oppose	20%	12.6%	10.8%	15.7%
	Not sure	2.6%	3.4%	9.2%	3.5%
	Somewhat oppose	12.3%	4%	9.3%	8.1%
	Strongly oppose	21.8%	1.1%	7.3%	10.7%
Total		100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	9.8%	44%	28.4%	27.7%
	Somewhat support	23.3%	26.2%	20.2%	24.4%
	Neither support nor oppose	14.5%	15.3%	26.2%	15.9%
	Somewhat oppose	15.4%	5.4%	5.5%	9.8%
	Strongly oppose	31.3%	3.6%	10.9%	16.3%
	Not sure	5.9%	5.5%	8.7%	5.9%
Total		100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	13.1%	46.1%	20.1%	29.5%
	Somewhat more likely to support	21.4%	29%	36.4%	26.3%
	No impact on my support	29.1%	14.3%	17%	21%
	Somewhat less likely to support	13.4%	5.4%	12%	9.5%
	Much less likely to support	17.5%	1.6%	7.3%	9.1%
	Don't know/Not Sure	5.4%	3.6%	7.2%	4.7%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q2 Political Party Reg

		Q2 Political Party Reg			
		Republican	Democrat	Independent/Other	Total
Q23 PA Energy Discussion	Very often	6.5%	10%	5.3%	8.1%
	Somewhat often	22.7%	30%	21.2%	26.1%
	Not very often	42.7%	38.5%	37.7%	40.3%
	Not at all	24.4%	19.7%	28%	22.4%
	Unsure	3.8%	1.7%	7.8%	3.1%
Total		100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	3.7%	7.9%	2.3%	5.6%
	More than once a quarter	11.4%	13%	8%	11.9%
	More than once a year	10.8%	13.7%	9.8%	12.1%
	Less than once a year	19.2%	20.9%	21%	20.2%
	Never	54.9%	44.4%	58.8%	50.2%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q4 2020 Vote	Joe Biden	36.5%	54%	83%	45.9%
	Donald Trump	56.4%	37%	0%	46%
	Another candidate	5.5%	1.8%	0%	3.5%
	Did not vote	1.6%	7.2%	17%	4.6%
Total		100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	28.8%	17.6%	0%	22.6%
	Somewhat likely	22.6%	36.2%	0%	30%
	Not very likely	30.3%	29.3%	0%	29.7%
	Not at all likely	18.3%	16.8%	100%	17.7%
Total		100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	9.7%	6.5%	0%	8%
	Somewhat approve	28.7%	36.6%	39.8%	32.9%
	Neither approve nor disapprove	21.8%	28.6%	43.2%	25.5%
	Somewhat disapprove	29.4%	18.3%	0%	23.4%
	Strongly disapprove	10.5%	9.9%	17%	10.2%
Total		100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	25.3%	20%	17%	22.5%
	I support renewable energy over traditional energy sources like gas and coal.	22.3%	29%	39.8%	25.9%

		Q25 Gender			
		Male	Female	Other	Total
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	47.4%	37.4%	0%	41.9%
	I don't know enough to state my opinion	5.1%	13.6%	43.2%	9.7%
	Total	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q11 Power Grid Reliability	Very reliable	23.4%	13%	0%	17.8%
	Somewhat reliable	47.8%	48.2%	17%	47.9%
	Neither reliable nor unreliable	16.7%	28.3%	43.2%	22.9%
	Somewhat unreliable	9.2%	8.6%	39.8%	9%
	Very unreliable	2.9%	1.9%	0%	2.4%
Total		100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	43.2%	34.4%	0%	38.4%
	The price of power	38.8%	32.7%	17%	35.5%
	The amount of pollution from local power plants	10.2%	11.8%	39.8%	11.2%
	I do not know enough about the electric grid to state my opinion	7.7%	21.1%	43.2%	14.9%
Total		100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	33.6%	24.7%	0%	28.8%
	Energy from nuclear plants	25.1%	6.7%	17%	15.4%
	Energy from coal	7.4%	9.1%	0%	8.3%
	Energy from Solar	20.1%	31.6%	83%	26.4%
	Energy from Wind	4.1%	13.7%	0%	9.1%
	Energy from hydroelectric dams	2.5%	5.9%	0%	4.3%
	Energy from batteries that store power from wind or solar	7.3%	8.3%	0%	7.8%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q13R3 Second choice	Energy natural gas power plants	16.1%	13.6%	17%	14.8%
	Energy from nuclear plants	20.2%	10.2%	0%	14.9%
	Energy from coal	12.1%	8.9%	0%	10.3%
	Energy from Solar	15.8%	25.8%	0%	21%
	Energy from Wind	15.7%	20.5%	39.8%	18.3%
	Energy from hydroelectric dams	11.4%	8.2%	0%	9.7%
	Energy from batteries that store power from wind or solar	8.6%	12.8%	43.2%	11%
Total		100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	10.7%	10.6%	0%	10.6%
	Energy from nuclear plants	8%	8.7%	0%	8.3%
	Energy from coal	16.9%	9.7%	0%	13%
	Energy from Solar	13.9%	15.6%	0%	14.7%
	Energy from Wind	18.5%	20.9%	0%	19.7%
	Energy from hydroelectric dams	21.6%	18%	60.2%	19.9%
	Energy from batteries that store power from wind or solar	10.4%	16.4%	39.8%	13.7%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			Total
		Male	Female	Other	
Q14R2 Energy from gas and oil	Very favorable	37.3%	26.9%	17%	31.7%
	Somewhat favorable	33%	25.2%	0%	28.8%
	Neither favorable nor unfavorable	15.3%	16.1%	0%	15.7%
	Unsure	0%	1.9%	0%	1%
	Somewhat unfavorable	8.1%	19.5%	39.8%	14.2%
	Very unfavorable	6.3%	10.4%	43.2%	8.6%
Total		100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	30%	11.9%	17%	20.5%
	Somewhat favorable	33.7%	23.5%	0%	28.2%
	Neither favorable nor unfavorable	17.2%	21.2%	0%	19.2%
	Unsure	0%	4.7%	0%	2.5%
	Somewhat unfavorable	8.4%	18.2%	0%	13.5%
	Very unfavorable	10.7%	20.5%	83%	16.2%
Total		100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	20.3%	16.9%	0%	18.4%
	Somewhat favorable	24.7%	23.7%	17%	24.1%
	Neither favorable nor unfavorable	19.6%	17%	0%	18.1%
	Unsure	0%	1.5%	0%	0.8%
	Somewhat unfavorable	16%	22.3%	43.2%	19.4%
	Very unfavorable	19.4%	18.6%	39.8%	19.1%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q14R5 Energy from Solar	Very favorable	39.1%	57.3%	83%	48.8%
	Somewhat favorable	34.6%	21.9%	0%	27.8%
	Neither favorable nor unfavorable	14.9%	11.7%	0%	13.1%
	Unsure	0.2%	1.2%	0%	0.7%
	Somewhat unfavorable	5.2%	4.5%	17%	4.9%
	Very unfavorable	6%	3.5%	0%	4.7%
Total		100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	37.8%	50.4%	83%	44.6%
	Somewhat favorable	32.7%	25.4%	0%	28.7%
	Neither favorable nor unfavorable	15.7%	13.1%	0%	14.3%
	Unsure	0.1%	1.9%	0%	1.1%
	Somewhat unfavorable	5.5%	4.6%	17%	5.1%
	Very unfavorable	8.2%	4.5%	0%	6.2%
Total		100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	55.3%	44.1%	17%	49.2%
	Somewhat reliable	31%	33.8%	0%	32.4%
	Neither reliable or unreliable	8.9%	12.3%	0%	10.6%
	Unsure	0%	2%	43.2%	1.2%
	Somewhat unreliable	3.7%	7.2%	39.8%	5.7%
	Very unreliable	1.1%	0.6%	0%	0.8%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q15R3 Energy from nuclear plants	Very reliable	51.4%	21.3%	17%	35.4%
	Somewhat reliable	27.6%	29.5%	0%	28.5%
	Neither reliable or unreliable	8.9%	21.8%	0%	15.6%
	Unsure	0.9%	10.4%	43.2%	6.1%
	Somewhat unreliable	5%	9.4%	0%	7.3%
	Very unreliable	6.1%	7.6%	39.8%	7%
Total		100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	45.1%	27.3%	0%	35.6%
	Somewhat reliable	31.5%	35%	17%	33.2%
	Neither reliable or unreliable	11.5%	16.5%	0%	14.1%
	Unsure	0.7%	4.8%	43.2%	3%
	Somewhat unreliable	6.4%	12.7%	0%	9.7%
	Very unreliable	4.9%	3.7%	39.8%	4.4%
Total		100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	27.1%	31.8%	83%	29.8%
	Somewhat reliable	32%	41.1%	0%	36.6%
	Neither reliable or unreliable	13.7%	11.3%	0%	12.4%
	Unsure	0%	1.7%	0%	0.9%
	Somewhat unreliable	16.7%	9.4%	17%	12.9%
	Very unreliable	10.5%	4.7%	0%	7.4%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q15R6 Energy from Wind	Very reliable	24.7%	23.8%	83%	24.5%
	Somewhat reliable	31.3%	39.1%	0%	35.3%
	Neither reliable or unreliable	16.4%	14.8%	0%	15.5%
	Unsure	0.1%	2.6%	0%	1.4%
	Somewhat unreliable	16.9%	13.9%	0%	15.2%
	Very unreliable	10.6%	5.7%	17%	8.1%
Total		100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	49.7%	56.3%	83%	53.3%
	Expanding exploration and production	44.5%	35.5%	17%	39.6%
	Don't know	5.9%	8.3%	0%	7.1%
Total		100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	41.1%	45.1%	83%	43.4%
	Somewhat support	31.5%	29.9%	0%	30.5%
	Neither support nor oppose	10.2%	14.8%	0%	12.6%
	Not sure	0%	1.6%	0%	0.9%
	Somewhat oppose	9.5%	5.4%	0%	7.3%
	Strongly oppose	7.6%	3.3%	17%	5.4%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			Total
		Male	Female	Other	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	33.3%	33.6%	39.8%	33.5%
	Somewhat support	27.8%	36.1%	0%	32%
	Neither support nor oppose	22.4%	15.5%	0%	18.7%
	Not sure	0.7%	3.9%	43.2%	2.6%
	Somewhat oppose	5.3%	6.4%	0%	5.9%
	Strongly oppose	10.6%	4.4%	17%	7.4%
Total		100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	29.5%	33%	83%	31.5%
	Somewhat support	28.9%	29.5%	0%	29.1%
	Neither support nor oppose	16.7%	19.6%	0%	18.1%
	Not sure	1.2%	4.1%	0%	2.7%
	Somewhat oppose	9.5%	8.6%	0%	9%
	Strongly oppose	14.4%	5.2%	17%	9.5%
Total		100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	24.8%	24.2%	39.8%	24.5%
	Somewhat support	29.5%	30.8%	0%	30.1%
	Neither support nor oppose	14.6%	20.6%	0%	17.7%
	Not sure	0.9%	2%	43.2%	1.6%
	Somewhat oppose	7.1%	11.8%	0%	9.5%
	Strongly oppose	23.1%	10.7%	17%	16.6%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

		Q25 Gender			Total
		Male	Female	Other	
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	31%	37.8%	39.8%	34.6%
	Somewhat support	27.4%	27.5%	0%	27.3%
	Neither support nor oppose	13.7%	17.5%	17%	15.7%
	Not sure	3%	3.6%	43.2%	3.5%
	Somewhat oppose	10%	6.3%	0%	8.1%
	Strongly oppose	14.8%	7.2%	0%	10.7%
Total		100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	28.9%	26.5%	39.8%	27.7%
	Somewhat support	20.7%	28%	0%	24.4%
	Neither support nor oppose	13.8%	17.8%	0%	15.9%
	Somewhat oppose	9.5%	10%	17%	9.8%
	Strongly oppose	23.2%	10.4%	0%	16.3%
	Not sure	4%	7.3%	43.2%	5.9%
Total		100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	26.9%	31.7%	39.8%	29.5%
	Somewhat more likely to support	22.2%	30.2%	0%	26.3%
	No impact on my support	23.9%	18.7%	0%	21%
	Somewhat less likely to support	10.9%	8.3%	0%	9.5%
	Much less likely to support	13.2%	5.3%	17%	9.1%
	Don't know/Not Sure	3%	5.9%	43.2%	4.7%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q25 Gender

		Q25 Gender			
		Male	Female	Other	Total
Q23 PA Energy Discussion	Very often	11.9%	4.4%	39.8%	8.1%
	Somewhat often	24.7%	27.5%	0%	26.1%
	Not very often	40.6%	40.3%	0%	40.3%
	Not at all	20.9%	23.9%	17%	22.5%
	Unsure	1.9%	3.9%	43.2%	3.1%
Total		100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	7.3%	4.2%	0%	5.6%
	More than once a quarter	10.9%	12.9%	0%	11.9%
	More than once a year	10.2%	13.8%	17%	12.1%
	Less than once a year	20%	20.5%	0%	20.2%
	Never	51.6%	48.6%	83%	50.2%
Total		100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q4 2020 Vote	Joe Biden	49.9%	48.4%	47%	39.9%	45.9%
	Donald Trump	34.7%	44.3%	44.1%	56.2%	46%
	Another candidate	3.4%	4.2%	8.4%	0%	3.5%
	Did not vote	12%	3%	0.5%	3.9%	4.6%
Total		100%	100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	32.2%	29.3%	18.4%	12.8%	22.6%
	Somewhat likely	36.8%	33.1%	24.6%	25.9%	30%
	Not very likely	18.9%	25.2%	37.2%	36.1%	29.7%
	Not at all likely	12.1%	12.3%	19.8%	25.1%	17.7%
Total		100%	100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	13.1%	9.7%	6.1%	4.1%	8%
	Somewhat approve	36.2%	33.5%	32.9%	30.1%	32.9%
	Neither approve nor disapprove	27.9%	23.4%	29.5%	23.7%	25.5%
	Somewhat disapprove	17.9%	21.4%	18.8%	31.8%	23.4%
	Strongly disapprove	5%	12%	12.7%	10.3%	10.2%
Total		100%	100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	22%	21.5%	23.4%	23.2%	22.5%
	I support renewable energy over traditional energy sources like gas and coal.	31.2%	31.7%	23%	18.1%	25.9%

		Q26 Age				
		18-34	35-54	55-64	65+	Total
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	34.3%	39.3%	40.5%	50.5%	42%
	I don't know enough to state my opinion	12.5%	7.4%	13.1%	8.2%	9.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q11 Power Grid Reliability	Very reliable	13.7%	16.5%	22.6%	19.1%	17.8%
	Somewhat reliable	48.2%	43.8%	48.5%	51.5%	47.9%
	Neither reliable nor unreliable	30.3%	26.2%	19.5%	16.8%	22.9%
	Somewhat unreliable	6.3%	10.4%	8.4%	9.7%	9%
	Very unreliable	1.6%	3.1%	0.9%	2.9%	2.4%
Total		100%	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	21.3%	33.3%	41.5%	52.9%	38.4%
	The price of power	37.3%	38.2%	37.7%	30.3%	35.5%
	The amount of pollution from local power plants	26.6%	10.9%	6.8%	4.2%	11.2%
	I do not know enough about the electric grid to state my opinion	14.8%	17.7%	14%	12.6%	14.9%
Total		100%	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	22.3%	31.2%	38.5%	24.6%	28.8%
	Energy from nuclear plants	18.8%	13.5%	11.9%	17.2%	15.4%
	Energy from coal	11.8%	9.5%	6.4%	5.7%	8.2%
	Energy from Solar	27.4%	26.7%	21.7%	28.2%	26.4%
	Energy from Wind	6.1%	9.1%	11.6%	9.5%	9.1%
	Energy from hydroelectric dams	4%	3%	3.9%	6.1%	4.3%

		Q26 Age				
		18-34	35-54	55-64	65+	Total
	Energy from batteries that store power from wind or solar	9.5%	7%	6%	8.7%	7.8%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q13R3 Second choice	Energy natural gas power plants	16%	13.9%	17.1%	13.6%	14.8%
	Energy from nuclear plants	18.8%	13.5%	11.1%	16.1%	14.9%
	Energy from coal	8.1%	7.7%	11.4%	13.9%	10.3%
	Energy from Solar	24.8%	24.9%	20.8%	14.6%	21%
	Energy from Wind	21.8%	20.9%	11.4%	17.7%	18.4%
	Energy from hydroelectric dams	5.3%	6.3%	14.8%	13.1%	9.7%
	Energy from batteries that store power from wind or solar	5.3%	12.9%	13.4%	11.2%	11%
Total		100%	100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	9.7%	12.1%	5.8%	12.6%	10.6%
	Energy from nuclear plants	7.9%	8.9%	6%	9.5%	8.3%
	Energy from coal	7.7%	11.5%	20.8%	13.5%	13.1%
	Energy from Solar	19.8%	15.9%	18.9%	7.8%	14.7%
	Energy from Wind	23.6%	20.6%	18.2%	17%	19.7%
	Energy from hydroelectric dams	16.6%	16.7%	23.7%	23%	19.9%
	Energy from batteries that store power from wind or solar	14.8%	14.3%	6.6%	16.6%	13.7%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q14R2 Energy from gas and oil	Very favorable	22%	31.1%	35.2%	36.6%	31.7%
	Somewhat favorable	24.2%	28.5%	31%	30.7%	28.8%
	Neither favorable nor unfavorable	21.5%	16.4%	15.3%	11.3%	15.7%
	Unsure	1.2%	1.2%	2%	0%	1%
	Somewhat unfavorable	18.3%	17.7%	8.8%	11.1%	14.2%
	Very unfavorable	12.8%	5.1%	7.6%	10.2%	8.7%
Total		100%	100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	21.5%	16.3%	22.3%	22.9%	20.4%
	Somewhat favorable	27.7%	27.6%	16.5%	36%	28.2%
	Neither favorable nor unfavorable	21.3%	21.9%	20.3%	14.4%	19.2%
	Unsure	0.8%	3.2%	4.1%	1.8%	2.5%
	Somewhat unfavorable	12.3%	15.8%	18.2%	9.2%	13.5%
	Very unfavorable	16.3%	15.2%	18.6%	15.6%	16.2%
Total		100%	100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	14.3%	19.3%	19.1%	19.8%	18.4%
	Somewhat favorable	27.8%	26%	20.8%	21.9%	24.1%
	Neither favorable nor unfavorable	19.6%	19.5%	21.8%	13.5%	18.1%
	Unsure	0.8%	2%	0%	0%	0.8%
	Somewhat unfavorable	25.4%	18.4%	14.6%	19.5%	19.4%
	Very unfavorable	12.2%	14.8%	23.7%	25.2%	19.1%

		Q26 Age				
		18-34	35-54	55-64	65+	Total
	Total	100%	100%	100%	100%	100%

18-3435-5455-6465+TotalTotal

100%

100%

100%

100%

100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q14R5 Energy from Solar	Very favorable	55.4%	50.8%	43.4%	45.9%	48.8%
	Somewhat favorable	19.7%	30.5%	29.6%	29.2%	27.8%
	Neither favorable nor unfavorable	16.3%	10.2%	14%	13.6%	13.1%
	Unsure	1.7%	1.1%	0%	0%	0.7%
	Somewhat unfavorable	3.9%	2.7%	8.5%	5.6%	4.9%
	Very unfavorable	3.1%	4.7%	4.5%	5.7%	4.7%
Total		100%	100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	52.3%	50.4%	38.5%	37.4%	44.6%
	Somewhat favorable	31.2%	23.8%	29.3%	31.8%	28.7%
	Neither favorable nor unfavorable	11.7%	15.6%	16.3%	13.3%	14.3%
	Unsure	0.8%	1.2%	1.4%	0.9%	1.1%
	Somewhat unfavorable	2.2%	4.3%	5%	7.7%	5%
	Very unfavorable	1.7%	4.6%	9.5%	8.9%	6.2%
Total		100%	100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	34.2%	46.8%	60.9%	54.5%	49.2%
	Somewhat reliable	37%	30.7%	26.6%	34.5%	32.4%
	Neither reliable or unreliable	16.4%	14.6%	9%	3.8%	10.6%
	Unsure	2.1%	1.4%	0%	1.3%	1.2%
	Somewhat unreliable	7.3%	5.6%	3.5%	6%	5.7%
	Very unreliable	2.9%	0.8%	0%	0%	0.8%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				Total
		18-34	35-54	55-64	65+	
Q15R3 Energy from nuclear plants	Very reliable	22.3%	29.6%	41.3%	46.5%	35.4%
	Somewhat reliable	31.2%	28.4%	20.8%	31.5%	28.5%
	Neither reliable or unreliable	22.8%	21%	14.5%	6.1%	15.6%
	Unsure	6.4%	5%	11.5%	3.7%	6.1%
	Somewhat unreliable	9.5%	8.3%	4.6%	6.4%	7.3%
	Very unreliable	7.8%	7.7%	7.3%	5.7%	7%
Total		100%	100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	25.7%	33.9%	38.2%	42.2%	35.6%
	Somewhat reliable	34.5%	36.6%	31.8%	29.8%	33.2%
	Neither reliable or unreliable	16.4%	13.5%	16.2%	11.9%	14.1%
	Unsure	3.3%	3.7%	3.3%	2%	3%
	Somewhat unreliable	14%	7.9%	10.1%	8.4%	9.7%
	Very unreliable	6.1%	4.4%	0.5%	5.7%	4.4%
Total		100%	100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	43.7%	27.9%	21.6%	27.7%	29.8%
	Somewhat reliable	32.1%	40.8%	36.8%	35%	36.6%
	Neither reliable or unreliable	10.3%	14.9%	10.6%	12.2%	12.4%
	Unsure	0.8%	2%	0.5%	0%	0.9%
	Somewhat unreliable	8.8%	10.1%	19.1%	14.8%	12.9%
	Very unreliable	4.1%	4.4%	11.4%	10.2%	7.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				Total
		18-34	35-54	55-64	65+	
Q15R6 Energy from Wind	Very reliable	30%	27.8%	16.3%	22.3%	24.5%
	Somewhat reliable	37.5%	35.5%	33.9%	34.4%	35.3%
	Neither reliable or unreliable	15.8%	16.9%	15.2%	14.1%	15.5%
	Unsure	1.1%	1.8%	3.5%	0%	1.4%
	Somewhat unreliable	11.6%	11.6%	17.6%	20%	15.2%
	Very unreliable	3.9%	6.5%	13.5%	9.2%	8.1%
Total		100%	100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	64.6%	55.3%	50.8%	45.4%	53.3%
	Expanding exploration and production	28.5%	37%	40.7%	48.9%	39.6%
	Don't know	6.8%	7.8%	8.5%	5.7%	7.1%
Total		100%	100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	48.6%	43.3%	39.5%	42.5%	43.4%
	Somewhat support	31.6%	29.7%	29.5%	31.2%	30.5%
	Neither support nor oppose	10.5%	16.9%	9.2%	11.5%	12.6%
	Not sure	0.8%	1.1%	1.9%	0%	0.9%
	Somewhat oppose	6.5%	5.6%	11.3%	7.2%	7.3%
	Strongly oppose	2%	3.4%	8.7%	7.7%	5.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				Total
		18-34	35-54	55-64	65+	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	34.6%	30.1%	35.8%	34.9%	33.5%
	Somewhat support	39.4%	33.4%	28.3%	28%	32%
	Neither support nor oppose	15.7%	20%	19.8%	18.5%	18.7%
	Not sure	2.8%	3.9%	2.4%	1.3%	2.6%
	Somewhat oppose	3.9%	7.3%	3.6%	6.9%	5.8%
	Strongly oppose	3.6%	5.3%	10.1%	10.4%	7.4%
Total		100%	100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	38.5%	33.2%	30.7%	25.8%	31.5%
	Somewhat support	31.7%	29%	28.4%	28%	29.1%
	Neither support nor oppose	14.4%	21.4%	14.6%	19.3%	18.1%
	Not sure	2.7%	2.2%	5.9%	1.3%	2.7%
	Somewhat oppose	10%	8.2%	6.8%	10.3%	9%
	Strongly oppose	2.7%	5.9%	13.6%	15.3%	9.5%
Total		100%	100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	30.6%	28.5%	18.8%	20%	24.5%
	Somewhat support	37.4%	28.3%	28.5%	28.1%	30.1%
	Neither support nor oppose	17.4%	18.9%	20.9%	14.6%	17.7%
	Not sure	4.8%	2.2%	0%	0%	1.7%

		Q26 Age				
		18-34	35-54	55-64	65+	Total
	Somewhat oppose	5.2%	11.8%	11.3%	8.9%	9.5%
	Strongly oppose	4.6%	10.4%	20.6%	28.3%	16.6%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	40.5%	32.8%	31.5%	34.6%	34.6%
	Somewhat support	32.3%	28.6%	26.6%	23.3%	27.3%
	Neither support nor oppose	14.8%	21.6%	13.6%	11.5%	15.7%
	Not sure	4.1%	2.9%	4.9%	3%	3.5%
	Somewhat oppose	5.3%	6.9%	7.6%	11.3%	8.1%
	Strongly oppose	2.9%	7.3%	15.8%	16.3%	10.7%
Total		100%	100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	28%	31.8%	24.5%	25.1%	27.7%
	Somewhat support	33.8%	26.7%	23.5%	16.6%	24.4%
	Neither support nor oppose	18%	22.3%	14.3%	8.7%	15.8%
	Somewhat oppose	9.3%	7.1%	7.6%	14.1%	9.8%
	Strongly oppose	6.8%	8.8%	21.4%	27.3%	16.3%
	Not sure	4.3%	3.3%	8.7%	8.1%	5.9%
Total		100%	100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	28.9%	27.5%	31.3%	30.7%	29.5%
	Somewhat more likely to support	35.1%	30.7%	22.2%	18.4%	26.3%
	No impact on my support	20%	22.1%	21.4%	20.3%	21%

		Q26 Age				
		18-34	35-54	55-64	65+	Total
	Somewhat less likely to support	9.3%	10.2%	4%	12.1%	9.5%
	Much less likely to support	4.6%	6.2%	14.9%	11.5%	9.1%
	Don't know/Not Sure	2.1%	3.3%	6.1%	6.9%	4.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q26 Age

		Q26 Age				
		18-34	35-54	55-64	65+	Total
Q23 PA Energy Discussion	Very often	10.9%	13.7%	6.3%	1.4%	8.1%
	Somewhat often	38%	27.7%	23.4%	18.2%	26.1%
	Not very often	33.5%	36.4%	47.9%	44.1%	40.3%
	Not at all	15.1%	18.3%	19.7%	33.2%	22.5%
	Unsure	2.6%	3.9%	2.7%	3%	3.1%
Total		100%	100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	11.5%	6.2%	1.7%	3.5%	5.6%
	More than once a quarter	22.5%	15.6%	3.4%	6.4%	11.9%
	More than once a year	10.7%	14.5%	17.8%	7.1%	12.1%
	Less than once a year	18.5%	18.1%	23.1%	21.7%	20.2%
	Never	36.9%	45.7%	54%	61.3%	50.2%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
Q4 2020 Vote	Joe Biden	39.9%	79.2%	57.9%	46.2%	45.9%
	Donald Trump	50.5%	17.6%	36.1%	53.8%	46%
	Another candidate	4.4%	1%	0%	0%	3.5%
	Did not vote	5.2%	2.2%	6%	0%	4.6%
	Total	100%	100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	18.5%	36.9%	38.7%	39.9%	22.6%
	Somewhat likely	29.5%	34.1%	15.3%	41.7%	30%
	Not very likely	33.1%	13.4%	24.8%	18.3%	29.7%
	Not at all likely	18.9%	15.5%	21.2%	0%	17.7%
	Total	100%	100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	6.5%	18.6%	0%	13.5%	8%
	Somewhat approve	30.1%	36.7%	34.2%	68.5%	32.9%
	Neither approve nor disapprove	24.7%	35%	24%	14.2%	25.5%
	Somewhat disapprove	26.5%	8.1%	31.4%	3.8%	23.4%
	Strongly disapprove	12.2%	1.6%	10.3%	0%	10.2%
	Total	100%	100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	23.7%	25.3%	2.7%	13.4%	22.5%

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
	I support renewable energy over traditional energy sources like gas and coal.	22.6%	37.5%	30.4%	46.7%	25.9%
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	44.2%	26.8%	59.8%	26.4%	41.9%
	I don't know enough to state my opinion	9.5%	10.5%	7.2%	13.5%	9.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
Q11 Power Grid Reliability	Very reliable	17.7%	29.3%	0%	7.5%	17.8%
	Somewhat reliable	48.2%	34.6%	50.2%	76.2%	47.9%
	Neither reliable nor unreliable	22.3%	28.3%	39.2%	3.8%	22.9%
	Somewhat unreliable	9.6%	7.8%	10.5%	0%	9%
	Very unreliable	2.3%	0%	0%	12.4%	2.4%
Total		100%	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	39.6%	33.4%	30%	39.5%	38.4%
	The price of power	37.1%	26.1%	25.6%	43.2%	35.5%
	The amount of pollution from local power plants	10%	22.9%	8.1%	3.8%	11.2%
	I do not know enough about the electric grid to state my opinion	13.3%	17.6%	36.3%	13.5%	14.9%
Total		100%	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	29.1%	39.1%	13.7%	11.2%	28.8%
	Energy from nuclear plants	15.1%	14.9%	15.2%	22.1%	15.4%
	Energy from coal	8.2%	7.3%	11.5%	8.9%	8.2%
	Energy from Solar	25.8%	22.4%	44.1%	30.1%	26.4%
	Energy from Wind	8.7%	8.7%	10.5%	16.3%	9.1%
	Energy from hydroelectric dams	4.7%	2.6%	2.2%	3.8%	4.3%

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
	Energy from batteries that store power from wind or solar	8.6%	4.8%	2.7%	7.7%	7.8%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
Q13R3 Second choice	Energy natural gas power plants	15.6%	11.8%	20.7%	3.8%	14.8%
	Energy from nuclear plants	15.3%	14.9%	10.5%	11.2%	14.9%
	Energy from coal	11.9%	5.2%	4.1%	3.2%	10.3%
	Energy from Solar	17.3%	38.7%	21.6%	35.4%	21%
	Energy from Wind	19.6%	11.9%	19.4%	12.8%	18.4%
	Energy from hydroelectric dams	10.4%	6.2%	3.8%	12.4%	9.7%
	Energy from batteries that store power from wind or solar	9.8%	11.4%	19.9%	21.1%	11%
	Total	100%	100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	10%	12.5%	16.5%	11.3%	10.6%
	Energy from nuclear plants	8.7%	9.8%	0%	6%	8.3%
	Energy from coal	14.1%	7.6%	15.1%	7.5%	13.1%
	Energy from Solar	14.8%	12.6%	10.2%	23.7%	14.7%
	Energy from Wind	18.8%	26.2%	21.3%	14.4%	19.6%
	Energy from hydroelectric dams	19.5%	18.9%	11.6%	37.1%	19.9%
	Energy from batteries that store power from wind or solar	14.1%	12.4%	25.3%	0%	13.7%

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
Q14R2 Energy from gas and oil	Very favorable	34.2%	21.3%	32.1%	17.2%	31.7%
	Somewhat favorable	28%	29.1%	18.4%	50%	28.8%
	Neither favorable nor unfavorable	14%	26.8%	21.8%	7.5%	15.7%
	Unsure	1%	1.6%	0%	0%	1%
	Somewhat unfavorable	13.8%	14.2%	23.5%	12.8%	14.2%
	Very unfavorable	8.9%	7%	4.2%	12.4%	8.6%
	Total	100%	100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	22.5%	10.3%	22.4%	11.3%	20.5%
	Somewhat favorable	29.1%	21.9%	18.2%	38.7%	28.2%
	Neither favorable nor unfavorable	18.8%	27%	11%	13.6%	19.2%
	Unsure	2.3%	5.1%	0%	0%	2.5%
	Somewhat unfavorable	14.3%	11.2%	16%	3.8%	13.5%
	Very unfavorable	12.9%	24.6%	32.5%	32.6%	16.2%
	Total	100%	100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	20.1%	13.3%	19.7%	3.2%	18.4%
	Somewhat favorable	24.1%	23.6%	18.3%	31.5%	24.1%
	Neither favorable nor unfavorable	18.4%	25.3%	8.9%	3.8%	18.1%
	Unsure	0.4%	1.6%	5.7%	0%	0.8%
	Somewhat unfavorable	18.8%	19.9%	26.4%	21.2%	19.4%
	Very unfavorable	18.2%	16.3%	20.9%	40.3%	19.1%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
Q14R5 Energy from Solar	Very favorable	47%	40%	76.3%	76.6%	48.8%
	Somewhat favorable	28.4%	32.5%	14.8%	17.5%	27.8%
	Neither favorable nor unfavorable	13.4%	16.9%	5.1%	5.9%	13.1%
	Unsure	0.5%	2.7%	0%	0%	0.7%
	Somewhat unfavorable	6%	1.4%	0%	0%	4.9%
	Very unfavorable	4.7%	6.5%	3.8%	0%	4.7%
	Total	100%	100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	42.1%	45.7%	65.8%	63.9%	44.6%
	Somewhat favorable	28.9%	27.1%	23.2%	36.1%	28.7%
	Neither favorable nor unfavorable	14.2%	23.1%	5.9%	0%	14.3%
	Unsure	1.1%	1.6%	0%	0%	1.1%
	Somewhat unfavorable	6%	0.8%	5.1%	0%	5%
	Very unfavorable	7.7%	1.7%	0%	0%	6.2%
	Total	100%	100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	53.4%	33.9%	48.9%	18.8%	49.2%
	Somewhat reliable	29%	47.1%	23.7%	58.9%	32.3%
	Neither reliable or unreliable	10.1%	15.6%	11.2%	6%	10.7%
	Unsure	1.2%	0.7%	4.2%	0%	1.3%
	Somewhat unreliable	5.2%	2.7%	12%	16.3%	5.7%
	Very unreliable	1.1%	0%	0%	0%	0.9%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
Q15R3 Energy from nuclear plants	Very reliable	39.6%	15.4%	34.5%	18.9%	35.4%
	Somewhat reliable	28.2%	27.2%	8.7%	56%	28.5%
	Neither reliable or unreliable	15%	22.9%	17.4%	5.9%	15.6%
	Unsure	4.9%	11.7%	17.6%	0%	6.1%
	Somewhat unreliable	5.8%	10.9%	13.9%	16.3%	7.3%
	Very unreliable	6.5%	11.9%	7.9%	3%	7%
Total		100%	100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	38.6%	25.5%	23.9%	22%	35.6%
	Somewhat reliable	32.8%	32.3%	27.8%	48.7%	33.2%
	Neither reliable or unreliable	14.2%	17.3%	5.3%	11.9%	14.1%
	Unsure	3.1%	0.9%	9.9%	0%	3%
	Somewhat unreliable	8%	12.5%	22.5%	17.3%	9.7%
	Very unreliable	3.2%	11.5%	10.5%	0%	4.4%
Total		100%	100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	26.5%	37.9%	36.1%	59.1%	29.8%
	Somewhat reliable	36.6%	40%	34.4%	29.6%	36.6%
	Neither reliable or unreliable	12.9%	13.9%	11%	0%	12.4%
	Unsure	0.9%	1.3%	0%	0%	0.9%
	Somewhat unreliable	14.8%	2.7%	10%	11.3%	12.9%
	Very unreliable	8.3%	4.2%	8.4%	0%	7.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
Q15R6 Energy from Wind	Very reliable	22.6%	21%	44.6%	45.7%	24.5%
	Somewhat reliable	35.3%	42.2%	8.2%	43.1%	35.3%
	Neither reliable or unreliable	15.6%	20.3%	16.9%	0%	15.5%
	Unsure	1.4%	2.5%	0%	0%	1.4%
	Somewhat unreliable	16%	9.3%	21.9%	11.3%	15.2%
	Very unreliable	9%	4.7%	8.4%	0%	8.1%
Total		100%	100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	52.6%	59.5%	30.2%	71.4%	53.3%
	Expanding exploration and production	41.5%	28.9%	64.5%	11.3%	39.6%
	Don't know	5.9%	11.6%	5.3%	17.3%	7.1%
Total		100%	100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	40.9%	47.8%	52.6%	65.3%	43.4%
	Somewhat support	30.6%	26.8%	34.4%	34.7%	30.5%
	Neither support nor oppose	13%	17%	5.9%	0%	12.6%
	Not sure	1%	0.7%	0%	0%	0.9%
	Somewhat oppose	7.9%	6.1%	7.1%	0%	7.3%
	Strongly oppose	6.6%	1.6%	0%	0%	5.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	34%	37.3%	16.5%	31.3%	33.5%
	Somewhat support	29.6%	34%	49.9%	50.6%	32%
	Neither support nor oppose	19.9%	14.3%	21.5%	6.8%	18.7%
	Not sure	2.2%	3.3%	10.1%	0%	2.6%
	Somewhat oppose	5.4%	7.9%	2.1%	11.3%	5.9%
	Strongly oppose	8.9%	3.2%	0%	0%	7.4%
Total		100%	100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	30%	41.6%	35.7%	27.7%	31.5%
	Somewhat support	29.1%	24.9%	31.1%	38.4%	29.1%
	Neither support nor oppose	16.8%	21.5%	26%	24.3%	18.1%
	Not sure	2.8%	3%	3%	0%	2.7%
	Somewhat oppose	9.8%	7.3%	2.1%	5.9%	9%
	Strongly oppose	11.5%	1.7%	2.1%	3.7%	9.5%
Total		100%	100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	22.2%	33.3%	38.5%	27.7%	24.5%
	Somewhat support	28.8%	36.5%	20.5%	43.8%	30.1%
	Neither support nor oppose	17%	19.7%	16.7%	24.7%	17.7%
	Not sure	1.1%	2.7%	10.1%	0%	1.7%

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
	Somewhat oppose	10.3%	5.2%	14.2%	3.8%	9.5%
	Strongly oppose	20.7%	2.7%	0%	0%	16.5%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	33.6%	39.5%	39.4%	33.7%	34.6%
	Somewhat support	25.9%	27.7%	29.3%	49.2%	27.3%
	Neither support nor oppose	15.5%	20.8%	21.2%	0%	15.7%
	Not sure	2.4%	4.3%	10.1%	13.5%	3.5%
	Somewhat oppose	9%	6.8%	0%	3.7%	8.1%
	Strongly oppose	13.5%	0.9%	0%	0%	10.7%
Total		100%	100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	25.8%	35.4%	33.8%	33.6%	27.7%
	Somewhat support	23%	33.4%	15.9%	32.8%	24.4%
	Neither support nor oppose	16%	17.6%	17.9%	6.7%	15.9%
	Somewhat oppose	10.1%	5.3%	12.6%	13.4%	9.8%
	Strongly oppose	20.2%	3.1%	2.1%	0%	16.3%
	Not sure	4.9%	5.3%	17.7%	13.5%	5.9%
Total		100%	100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	27.8%	31.1%	45.1%	37.4%	29.5%
	Somewhat more likely to support	24.4%	33.5%	34.3%	31.9%	26.3%
	No impact on my support	23.1%	17.5%	2.1%	13.5%	21%

		Q27 Race				
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	Total
	Somewhat less likely to support	9.7%	10.6%	8.4%	3.7%	9.5%
	Much less likely to support	11.1%	3.2%	0%	0%	9.1%
	Don't know/Not Sure	3.9%	4.1%	10.1%	13.5%	4.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q27 Race

		Q27 Race				Total
		White, non-Hispanic	Black, non-Hispanic	Hispanic or Latino	Other	
Q23 PA Energy Discussion	Very often	6.6%	16.5%	2.1%	17.3%	8.1%
	Somewhat often	22.3%	41.4%	37.7%	37.9%	26.1%
	Not very often	43.9%	24.6%	37.6%	23.7%	40.3%
	Not at all	25.3%	12.5%	15.3%	7.7%	22.5%
	Unsure	2%	5%	7.2%	13.5%	3.1%
	Total	100%	100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	4.5%	15.6%	4.1%	0%	5.6%
	More than once a quarter	10.3%	18.9%	4.9%	27.3%	11.9%
	More than once a year	12%	12.5%	8%	16.4%	12.1%
	Less than once a year	20.2%	19.7%	25.3%	16.3%	20.2%
	Never	53%	33.3%	57.7%	40%	50.2%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q4 2020 Vote	Joe Biden	69.6%	80.2%	53.1%	6.8%	15.5%	45.9%
	Donald Trump	19.1%	11.7%	35.1%	88.5%	83.3%	46%
	Another candidate	0.8%	5.1%	5.1%	2.7%	0.6%	3.5%
	Did not vote	10.5%	3%	6.7%	2%	0.5%	4.6%
Total		100%	100%	100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	27%	20.1%	23.6%	17.3%	27.7%	22.6%
	Somewhat likely	12.2%	30.5%	43.4%	35.8%	10.8%	30%
	Not very likely	23.4%	36.9%	27.6%	35.3%	21.4%	29.7%
	Not at all likely	37.3%	12.4%	5.4%	11.5%	40.1%	17.7%
Total		100%	100%	100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	15.3%	9.1%	4.1%	1.9%	19.3%	8%
	Somewhat approve	36.3%	33.7%	39.9%	28.3%	18%	32.9%
	Neither approve nor disapprove	33.5%	24.9%	27.8%	24.4%	15.5%	25.5%
	Somewhat disapprove	8.9%	28.6%	18.9%	38.1%	17.6%	23.4%
	Strongly disapprove	6%	3.7%	9.3%	7.3%	29.7%	10.2%
Total		100%	100%	100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	15.9%	9.8%	15.6%	27.8%	55.9%	22.5%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	I support renewable energy over traditional energy sources like gas and coal.	34.7%	44.8%	26.7%	12.8%	8.2%	25.9%
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	32.5%	40.4%	44.5%	54%	27.7%	42%
	I don't know enough to state my opinion	16.9%	5.1%	13.1%	5.4%	8.3%	9.7%
	Total	100%	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q11 Power Grid Reliability	Very reliable	17.3%	20.2%	13.1%	15.2%	30.7%	17.8%
	Somewhat reliable	47%	55.5%	49.7%	49.6%	30.5%	47.9%
	Neither reliable nor unreliable	26.2%	17.6%	26.8%	20.9%	21.1%	22.9%
	Somewhat unreliable	8.6%	6.7%	6.9%	13%	12.2%	9%
	Very unreliable	0.8%	0%	3.5%	1.3%	5.6%	2.3%
Total		100%	100%	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	27.4%	36.2%	36.7%	45.6%	44.2%	38.4%
	The price of power	32.8%	31.3%	33.7%	41.7%	39.6%	35.5%
	The amount of pollution from local power plants	17.5%	21.4%	10.3%	3.1%	5.5%	11.2%
	I do not know enough about the electric grid to state my opinion	22.3%	11.1%	19.4%	9.6%	10.8%	14.9%
Total		100%	100%	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	20.3%	24.4%	23.9%	39.7%	38.4%	28.8%
	Energy from nuclear plants	11.7%	12.4%	10.5%	24.1%	22.5%	15.4%
	Energy from coal	7.9%	7.1%	7.2%	7%	14.7%	8.3%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Energy from Solar	39.8%	30.6%	30.3%	15.1%	16%	26.4%
	Energy from Wind	4.7%	12.4%	13.2%	7.1%	0.5%	9.1%
	Energy from hydroelectric dams	5%	4.4%	4.7%	1.8%	6.1%	4.3%
	Energy from batteries that store power from wind or solar	10.6%	8.8%	10.2%	5.2%	1.7%	7.8%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q13R3 Second choice	Energy natural gas power plants	9.4%	7.5%	14.4%	19.1%	24.5%	14.8%
	Energy from nuclear plants	16.4%	10.5%	13.1%	21.4%	15.2%	14.9%
	Energy from coal	1.7%	3.8%	6.7%	15.4%	28.5%	10.3%
	Energy from Solar	29.8%	24.4%	26.6%	9.7%	10.8%	21%
	Energy from Wind	21%	31%	18%	10.2%	10.5%	18.3%
	Energy from hydroelectric dams	11%	2.4%	9.6%	19.6%	5.2%	9.7%
	Energy from batteries that store power from wind or solar	10.7%	20.4%	11.6%	4.5%	5.4%	11%
Total		100%	100%	100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	12.1%	10.8%	6.8%	15.5%	11.7%	10.6%
	Energy from nuclear plants	4.6%	9.6%	5.8%	7.7%	17%	8.3%
	Energy from coal	5.4%	2%	16.8%	19.8%	15.9%	13.1%
	Energy from Solar	16.8%	17.9%	15.4%	11.1%	12%	14.7%
	Energy from Wind	25.7%	24.6%	23.9%	10.9%	9.6%	19.6%
	Energy from hydroelectric dams	20.2%	16.2%	19%	21.6%	25%	19.9%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Energy from batteries that store power from wind or solar	15.3%	18.9%	12.3%	13.3%	8.9%	13.7%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q14R2 Energy from gas and oil	Very favorable	24.3%	15.8%	20.4%	47.1%	67.2%	31.7%
	Somewhat favorable	15.4%	20%	34.3%	40.1%	21.7%	28.8%
	Neither favorable nor unfavorable	15.5%	16.7%	23.8%	7.9%	4.8%	15.6%
	Unsure	0.8%	0.7%	2.1%	0%	0%	1%
	Somewhat unfavorable	13%	32.9%	13.1%	4.5%	5%	14.2%
	Very unfavorable	31%	13.8%	6.3%	0.4%	1.3%	8.6%
Total		100%	100%	100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	11.2%	10.4%	14.3%	30.9%	42.9%	20.4%
	Somewhat favorable	23.3%	30.5%	23.3%	38.1%	26.7%	28.2%
	Neither favorable nor unfavorable	22.4%	20.8%	24%	14.7%	8.9%	19.2%
	Unsure	3.8%	2.6%	4.1%	0.5%	0%	2.5%
	Somewhat unfavorable	12.9%	14.7%	16.7%	11.3%	7.5%	13.5%
	Very unfavorable	26.3%	21%	17.7%	4.6%	14%	16.2%
Total		100%	100%	100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	7.2%	11.9%	14.1%	18.5%	47.9%	18.4%
	Somewhat favorable	11.6%	12.9%	25.4%	37.7%	27.7%	24.1%
	Neither favorable nor unfavorable	20.4%	15.3%	20.7%	17.1%	15.4%	18.1%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Unsure	3.1%	0.3%	0.8%	0.5%	0%	0.8%
	Somewhat unfavorable	16.9%	26.3%	20.7%	19.2%	8.5%	19.4%
	Very unfavorable	40.9%	33.2%	18.3%	7%	0.6%	19.1%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q14R5 Energy from Solar	Very favorable	75.6%	61.8%	50.2%	28.3%	34.9%	48.8%
	Somewhat favorable	12.8%	24.2%	31.8%	35.2%	24%	27.8%
	Neither favorable nor unfavorable	9.9%	8.5%	10.9%	20.2%	17.9%	13.1%
	Unsure	0.8%	1.3%	0.8%	0.5%	0%	0.7%
	Somewhat unfavorable	0%	1.4%	2.7%	7.8%	15%	4.9%
	Very unfavorable	0.9%	2.8%	3.6%	7.9%	8.3%	4.7%
Total		100%	100%	100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	69.7%	57.4%	44.9%	21.7%	38.9%	44.6%
	Somewhat favorable	15.2%	33.2%	32.2%	35.6%	14.1%	28.7%
	Neither favorable nor unfavorable	8.8%	6.8%	15.2%	19.6%	19.4%	14.3%
	Unsure	3%	0.3%	0.8%	0.5%	2.1%	1.1%
	Somewhat unfavorable	3.4%	1.8%	2.9%	11%	8%	5.1%
	Very unfavorable	0%	0.4%	4.1%	11.5%	17.5%	6.2%
Total		100%	100%	100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	30.6%	43.9%	37.8%	62.8%	81.3%	49.2%
	Somewhat reliable	30.5%	34.9%	40.5%	30.5%	12.2%	32.3%
	Neither reliable or unreliable	18.3%	15.6%	12.7%	3.4%	2.6%	10.6%
	Unsure	2.5%	0.7%	2.4%	0%	0%	1.2%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Somewhat unreliable	13.6%	4.5%	6.5%	3.3%	2.6%	5.7%
	Very unreliable	4.5%	0.5%	0.2%	0%	1.3%	0.8%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q15R3 Energy from nuclear plants	Very reliable	23%	33.9%	26.6%	50.8%	47.9%	35.4%
	Somewhat reliable	18.8%	28.3%	32.3%	30.4%	24.2%	28.5%
	Neither reliable or unreliable	23.1%	17%	17.9%	10.8%	9.1%	15.6%
	Unsure	13.7%	6.8%	7.3%	0.9%	3.3%	6.1%
	Somewhat unreliable	9.5%	8.8%	7.9%	3%	7.9%	7.3%
	Very unreliable	11.7%	5.2%	8%	4.1%	7.7%	7%
Total		100%	100%	100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	14.7%	31.2%	24.8%	52.1%	62.1%	35.6%
	Somewhat reliable	31.5%	29%	39.7%	32.9%	24.9%	33.2%
	Neither reliable or unreliable	17.2%	20.4%	14.5%	11.1%	5.8%	14.1%
	Unsure	4.1%	4%	4.2%	0.5%	1.5%	3%
	Somewhat unreliable	18.1%	8.1%	14%	2.6%	4.6%	9.7%
	Very unreliable	14.5%	7.3%	2.9%	0.9%	1.2%	4.4%
Total		100%	100%	100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	60.5%	33.5%	30.6%	15.6%	18.7%	29.8%
	Somewhat reliable	27.1%	43%	36.9%	37.9%	32.2%	36.6%
	Neither reliable or unreliable	5.9%	13.1%	11.8%	14.6%	14.9%	12.4%
	Unsure	0%	0%	2.5%	0%	0%	0.9%
	Somewhat unreliable	5.7%	8.4%	12.4%	19.5%	16.9%	12.9%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Very unreliable	0.8%	1.8%	5.9%	12.5%	17.3%	7.4%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q15R6 Energy from Wind	Very reliable	42.1%	24.4%	23.9%	15.6%	24.8%	24.5%
	Somewhat reliable	28.9%	50.2%	37.7%	32.4%	16.7%	35.3%
	Neither reliable or unreliable	16.6%	10.1%	17.8%	14.9%	17.4%	15.5%
	Unsure	5%	0.3%	1.5%	0.6%	1.1%	1.4%
	Somewhat unreliable	7.3%	12.3%	11.7%	23.6%	22.8%	15.2%
	Very unreliable	0%	2.7%	7.4%	12.9%	17.2%	8.1%
Total		100%	100%	100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	69%	75.9%	58.2%	26.9%	33.7%	53.3%
	Expanding exploration and production	21%	21.6%	32.6%	65%	61.7%	39.6%
	Don't know	10%	2.5%	9.2%	8.1%	4.6%	7.1%
Total		100%	100%	100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	64%	71.1%	44.4%	17.5%	21.7%	43.4%
	Somewhat support	19.5%	18.4%	35.5%	42.3%	27.2%	30.5%
	Neither support nor oppose	6.9%	7.7%	11.4%	20.1%	16.3%	12.6%
	Not sure	3.9%	0%	1%	0.4%	0%	0.9%
	Somewhat oppose	5%	2.9%	4.6%	11.4%	16.5%	7.3%
	Strongly oppose	0.8%	0%	3.2%	8.3%	18.3%	5.4%
Total		100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	62%	47.4%	29.8%	21.3%	17.6%	33.5%
	Somewhat support	21.1%	40.1%	39%	24.1%	22.7%	32%
	Neither support nor oppose	8.3%	6.9%	21.1%	23.9%	30.2%	18.7%
	Not sure	5.6%	1.5%	3.2%	2.3%	0.7%	2.6%
	Somewhat oppose	1.6%	3%	3.6%	13.2%	8.4%	5.9%
	Strongly oppose	1.5%	1%	3.3%	15.3%	20.3%	7.4%
Total		100%	100%	100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	63.3%	54.3%	24.9%	13.9%	15.7%	31.5%
	Somewhat support	18.1%	31.6%	37.6%	25.4%	18%	29.1%
	Neither support nor oppose	8.4%	9.7%	20.7%	25.6%	20.9%	18.1%
	Not sure	3.9%	0%	3.8%	4.3%	0.7%	2.7%
	Somewhat oppose	6.3%	3.5%	8.5%	12.6%	14.9%	9%
	Strongly oppose	0%	0.9%	4.5%	18.2%	29.8%	9.5%
Total		100%	100%	100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	47.5%	40.8%	20.4%	12.5%	10.8%	24.5%
	Somewhat support	33.5%	36.8%	37.6%	16.8%	17.9%	30.1%
	Neither support nor oppose	9.5%	17.5%	21.4%	19.7%	12.1%	17.7%
	Not sure	2.5%	0.6%	2.9%	0.4%	1.1%	1.7%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	Somewhat oppose	3.9%	2.4%	10.6%	17%	10.7%	9.5%
	Strongly oppose	3.1%	2%	7.2%	33.7%	47.4%	16.6%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	56.4%	57.3%	30.6%	14.6%	23.6%	34.6%
	Somewhat support	22%	31.6%	34.7%	20.5%	16.5%	27.3%
	Neither support nor oppose	12.9%	6.3%	17.8%	22.1%	17.1%	15.7%
	Not sure	6.3%	0%	6.2%	2.8%	0.7%	3.5%
	Somewhat oppose	2.4%	4.4%	5.6%	17.7%	10.1%	8.1%
	Strongly oppose	0%	0.4%	5.1%	22.3%	31.9%	10.7%
Total		100%	100%	100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	46.8%	52.8%	23.8%	8.5%	13.7%	27.7%
	Somewhat support	21.3%	33.4%	28%	20%	11.2%	24.4%
	Neither support nor oppose	12.1%	5.5%	20.5%	21.4%	14.1%	15.8%
	Somewhat oppose	5%	3.7%	12.7%	12.6%	10.8%	9.8%
	Strongly oppose	1.8%	2.2%	6.2%	33.9%	48.8%	16.3%
	Not sure	13.1%	2.4%	8.8%	3.6%	1.4%	5.9%
Total		100%	100%	100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	50.1%	52.2%	25%	10%	19.7%	29.5%
	Somewhat more likely to support	23.1%	31.4%	33.3%	19.1%	14%	26.3%

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
	No impact on my support	15.1%	11.2%	22.2%	31.1%	22.4%	21%
	Somewhat less likely to support	3.3%	3.8%	8.7%	14.9%	16.7%	9.4%
	Much less likely to support	0%	1.4%	5.3%	17.8%	24.3%	9.1%
	Don't know/Not Sure	8.3%	0%	5.5%	7.1%	2.8%	4.7%
	Total	100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q28 Ideology

		Q28 Ideology					Total
		Very Liberal	Somewhat Liberal	Moderate, middle of the road	Somewhat Conservative	Very Conservative	
Q23 PA Energy Discussion	Very often	14.4%	9.8%	5.1%	3.7%	14.6%	8.1%
	Somewhat often	26.5%	31.8%	26.4%	18.6%	27.5%	26.1%
	Not very often	30.8%	37.5%	39.9%	52.5%	35.1%	40.3%
	Not at all	23%	20.5%	22.5%	24.3%	22.1%	22.5%
	Unsure	5.3%	0.4%	6.2%	0.9%	0.8%	3.1%
Total		100%	100%	100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	11.3%	5.5%	2.7%	0.9%	15.6%	5.6%
	More than once a quarter	15.9%	19.3%	7.8%	12.3%	8%	11.9%
	More than once a year	21.3%	14.5%	11.9%	8.5%	7%	12.1%
	Less than once a year	14.7%	17.3%	23.5%	22.7%	16.6%	20.2%
	Never	36.9%	43.4%	54.1%	55.7%	52.8%	50.2%
Total		100%	100%	100%	100%	100%	100%

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Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q4 2020 Vote	Joe Biden	46%	49%	40.2%	49.5%	45.9%
	Donald Trump	40.9%	45.3%	53.7%	44.6%	46%
	Another candidate	3.9%	1.7%	4.6%	4.8%	3.5%
	Did not vote	9.3%	4%	1.5%	1.1%	4.6%
Total		100%	100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	23.6%	19.9%	27.4%	16.8%	22.6%
	Somewhat likely	28.6%	29.4%	32%	30.5%	30%
	Not very likely	27.6%	32.9%	25.6%	35.6%	29.7%
	Not at all likely	20.2%	17.7%	15%	17%	17.7%
Total		100%	100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	14%	4%	7.8%	3.6%	8%
	Somewhat approve	35.5%	33.4%	27.2%	36.8%	32.9%
	Neither approve nor disapprove	22.5%	26.7%	23.2%	33.9%	25.5%
	Somewhat disapprove	22.4%	21.4%	29.8%	18%	23.4%
	Strongly disapprove	5.7%	14.5%	12%	7.7%	10.2%
Total		100%	100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	27.1%	15.8%	30.7%	11.2%	22.5%

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
	I support renewable energy over traditional energy sources like gas and coal.	23.4%	26.6%	23.3%	34.7%	25.9%
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	34.3%	45.6%	42.9%	49.4%	42%
	I don't know enough to state my opinion	15.2%	12%	3.1%	4.7%	9.7%
	Total	100%	100%	100%	100%	100%

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Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q11 Power Grid Reliability	Very reliable	18.2%	15.9%	17.2%	22.6%	17.8%
	Somewhat reliable	46.7%	49.5%	46.6%	49.5%	47.9%
	Neither reliable nor unreliable	26.8%	21.3%	23.7%	16.1%	22.9%
	Somewhat unreliable	6.8%	9.7%	10.1%	10.5%	9%
	Very unreliable	1.5%	3.6%	2.5%	1.3%	2.4%
	Total	100%	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	32.1%	39.6%	43.7%	39.9%	38.4%
	The price of power	35.2%	38.1%	31.7%	37.7%	35.5%
	The amount of pollution from local power plants	14.1%	9.7%	7.8%	14.2%	11.2%
	I do not know enough about the electric grid to state my opinion	18.6%	12.5%	16.7%	8.2%	14.9%
	Total	100%	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	32.5%	26.5%	28.7%	25.6%	28.8%
	Energy from nuclear plants	10.5%	15.7%	16.4%	23.8%	15.4%
	Energy from coal	11.3%	7.4%	8.8%	2.4%	8.3%
	Energy from Solar	26.8%	27.9%	28.2%	18.8%	26.4%
	Energy from Wind	10.2%	8.6%	8.8%	8.4%	9.1%

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
	Energy from hydroelectric dams	2.2%	6.7%	4.4%	3.6%	4.3%
	Energy from batteries that store power from wind or solar	6.5%	7.3%	4.7%	17.5%	7.8%
	Total	100%	100%	100%	100%	100%

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Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q13R3 Second choice	Energy natural gas power plants	16.7%	10.5%	15.8%	18%	14.8%
	Energy from nuclear plants	12.9%	11.9%	22%	12.6%	14.9%
	Energy from coal	12%	12.7%	8.1%	5.6%	10.3%
	Energy from Solar	24.3%	19.4%	15.7%	26.7%	21%
	Energy from Wind	16.3%	17.3%	21%	20.3%	18.4%
	Energy from hydroelectric dams	5.9%	13.8%	11.6%	5.9%	9.7%
	Energy from batteries that store power from wind or solar	12%	14.4%	5.8%	10.9%	11%
Total		100%	100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	7.2%	11.2%	15.4%	8.2%	10.6%
	Energy from nuclear plants	8.8%	8.1%	7.7%	9%	8.3%
	Energy from coal	11.9%	9.7%	19.9%	10.2%	13.1%
	Energy from Solar	17.9%	12.6%	14.1%	13.2%	14.7%
	Energy from Wind	20.9%	22.4%	15.6%	18.3%	19.7%
	Energy from hydroelectric dams	16.7%	20.8%	16.4%	31.8%	19.9%

		Q29 Education				
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	Total
	Energy from batteries that store power from wind or solar	16.6%	15.2%	10.8%	9.4%	13.7%
	Total	100%	100%	100%	100%	100%

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Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q14R2 Energy from gas and oil	Very favorable	37.1%	25%	34.8%	28.4%	31.7%
	Somewhat favorable	29.3%	31.4%	25.4%	28%	28.8%
	Neither favorable nor unfavorable	17.6%	15.4%	15.4%	12.1%	15.7%
	Unsure	0.3%	1.3%	1.5%	1.1%	1%
	Somewhat unfavorable	9.3%	14.2%	16.8%	20.6%	14.2%
	Very unfavorable	6.4%	12.7%	6.1%	9.8%	8.6%
Total		100%	100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	17.6%	17.3%	27.2%	21.1%	20.4%
	Somewhat favorable	26.9%	27.3%	26.5%	36.1%	28.2%
	Neither favorable nor unfavorable	21.5%	19.2%	20.1%	12.7%	19.2%
	Unsure	5.6%	1%	0.4%	2.6%	2.5%
	Somewhat unfavorable	14.9%	9.4%	12.5%	21.4%	13.5%
	Very unfavorable	13.6%	25.9%	13.3%	6.2%	16.2%
Total		100%	100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	25.5%	16.2%	18.4%	7.3%	18.4%
	Somewhat favorable	26.8%	23.3%	24.3%	19.6%	24.1%
	Neither favorable nor unfavorable	16.4%	19.5%	18.9%	17.7%	18.1%
	Unsure	1.1%	1%	0%	1.2%	0.8%

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
	Somewhat unfavorable	15.6%	20.2%	21.1%	23.1%	19.4%
	Very unfavorable	14.6%	19.7%	17.3%	31.1%	19.1%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q14R5 Energy from Solar	Very favorable	48%	47.9%	43.1%	63.7%	48.8%
	Somewhat favorable	29%	27.6%	30.2%	21.2%	27.8%
	Neither favorable nor unfavorable	13.4%	14.6%	13.1%	9.3%	13.1%
	Unsure	1.1%	0.6%	0.3%	0.7%	0.7%
	Somewhat unfavorable	3.1%	6%	6.6%	3.2%	4.9%
	Very unfavorable	5.4%	3.3%	6.8%	1.9%	4.7%
Total		100%	100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	41.8%	40.6%	44.8%	59.7%	44.6%
	Somewhat favorable	30.3%	32.6%	28.8%	16.5%	28.7%
	Neither favorable nor unfavorable	18.4%	15%	11.3%	9%	14.3%
	Unsure	1.1%	1.2%	0%	2.8%	1.1%
	Somewhat unfavorable	2.2%	4.7%	6.8%	8.9%	5%
	Very unfavorable	6.3%	5.9%	8.3%	3%	6.3%
Total		100%	100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	50%	42%	58.2%	46.4%	49.2%
	Somewhat reliable	32.8%	36.1%	24.9%	37.2%	32.3%
	Neither reliable or unreliable	11.7%	10%	9.7%	11.5%	10.6%
	Unsure	0.3%	3%	1%	0%	1.3%
	Somewhat unreliable	4.3%	8%	5.4%	4.3%	5.7%

		Q29 Education				
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	Total
	Very unreliable	1%	0.9%	0.7%	0.6%	0.8%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

		Q29 Education				
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	Total
Q15R3 Energy from nuclear plants	Very reliable	29.9%	32.4%	42.2%	41.7%	35.4%
	Somewhat reliable	20.2%	34.8%	27.3%	35.7%	28.5%
	Neither reliable or unreliable	22.2%	11.9%	14.5%	11%	15.6%
	Unsure	11.6%	4.6%	3.5%	1.9%	6.1%
	Somewhat unreliable	7.1%	9%	6.8%	5%	7.3%
	Very unreliable	9%	7.3%	5.6%	4.8%	7%
	Total	100%	100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	31.1%	32.5%	43.3%	37.8%	35.6%
	Somewhat reliable	34.7%	32.5%	30.8%	36.3%	33.2%
	Neither reliable or unreliable	13.5%	16.9%	12.3%	12.4%	14.1%
	Unsure	3.1%	4.3%	1%	3.8%	3%
	Somewhat unreliable	12%	9.2%	8%	8.5%	9.7%
	Very unreliable	5.6%	4.6%	4.5%	1.3%	4.4%
	Total	100%	100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	33.9%	33.9%	22.5%	25.4%	29.8%
	Somewhat reliable	41.5%	35.5%	35%	31%	36.6%
	Neither reliable or unreliable	11.5%	10.2%	13%	17.8%	12.4%
	Unsure	1.4%	0.6%	1%	0%	0.9%
	Somewhat unreliable	5.2%	13.7%	17.3%	20.4%	12.9%
	Very unreliable	6.5%	6%	11.1%	5.4%	7.4%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q15R6 Energy from Wind	Very reliable	24.2%	24.7%	21.5%	30.1%	24.5%
	Somewhat reliable	39.9%	38.2%	33.6%	21.7%	35.3%
	Neither reliable or unreliable	16.4%	13.5%	15.7%	17.5%	15.5%
	Unsure	2.5%	0.8%	1.6%	0%	1.4%
	Somewhat unreliable	10.3%	16.3%	18.2%	18.7%	15.2%
	Very unreliable	6.7%	6.5%	9.3%	12%	8.1%
Total		100%	100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	51.7%	55.1%	48.4%	62.3%	53.3%
	Expanding exploration and production	39.8%	35.3%	46.5%	35.5%	39.6%
	Don't know	8.5%	9.6%	5.1%	2.2%	7.1%
Total		100%	100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	40.9%	47.9%	34.6%	55.6%	43.4%
	Somewhat support	35%	28.3%	30.8%	24.7%	30.5%
	Neither support nor oppose	11.6%	9.5%	17.4%	12.4%	12.6%
	Not sure	1.9%	0.8%	0%	0%	0.9%
	Somewhat oppose	4.9%	10.1%	7.8%	5.7%	7.3%
	Strongly oppose	5.7%	3.5%	9.3%	1.6%	5.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	27.9%	32.5%	31.5%	51.9%	33.5%
	Somewhat support	33.6%	35.4%	30.5%	23.9%	32%
	Neither support nor oppose	23.3%	16.6%	17.9%	14%	18.7%
	Not sure	4.4%	2.6%	1.8%	0%	2.6%
	Somewhat oppose	3.8%	5.6%	8.3%	6.6%	5.9%
	Strongly oppose	7%	7.3%	10%	3.5%	7.4%
Total		100%	100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	31.4%	32.2%	26.4%	40.2%	31.5%
	Somewhat support	26.6%	27.5%	30.4%	35.7%	29.1%
	Neither support nor oppose	19.2%	20.1%	19.2%	9.7%	18.1%
	Not sure	4.7%	2.1%	2.5%	0%	2.7%
	Somewhat oppose	10.1%	10.5%	7.4%	6%	9%
	Strongly oppose	8%	7.6%	14.2%	8.5%	9.5%
Total		100%	100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	23.8%	24.3%	21.2%	33.1%	24.5%
	Somewhat support	27.1%	30.1%	30.9%	35.3%	30.1%

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
	Neither support nor oppose	21.4%	20.1%	15.7%	7.7%	17.7%
	Not sure	1.8%	1.5%	2.6%	0%	1.7%
	Somewhat oppose	6.9%	9.3%	10.3%	14.4%	9.5%
	Strongly oppose	19.1%	14.8%	19.4%	9.5%	16.6%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	31.8%	34.5%	30.1%	49.9%	34.6%
	Somewhat support	26.5%	28.9%	27.6%	25.4%	27.3%
	Neither support nor oppose	18.4%	14.3%	16.6%	10.9%	15.7%
	Not sure	4.2%	4.3%	3%	1.3%	3.5%
	Somewhat oppose	9.2%	7.1%	9.3%	5.2%	8.1%
	Strongly oppose	9.9%	10.9%	13.4%	7.3%	10.7%
Total		100%	100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	25.9%	27.3%	26.3%	34.8%	27.7%
	Somewhat support	24.7%	24.4%	23.8%	25.1%	24.4%
	Neither support nor oppose	17.8%	15%	15.4%	14.1%	15.9%
	Somewhat oppose	7.8%	12.9%	10.4%	6.5%	9.8%
	Strongly oppose	15.3%	14%	21.2%	14.5%	16.3%
	Not sure	8.5%	6.3%	2.9%	5.1%	5.9%
Total		100%	100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	26.5%	29.6%	26.6%	41.3%	29.5%
	Somewhat more likely to support	28.1%	24.2%	27.6%	24.5%	26.3%

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
	No impact on my support	21.3%	24%	18.7%	18.4%	21%
	Somewhat less likely to support	8.9%	10.3%	10.8%	6.2%	9.5%
	Much less likely to support	7.3%	6.8%	14.3%	8.3%	9.1%
	Don't know/Not Sure	7.9%	5.1%	2%	1.3%	4.7%
	Total	100%	100%	100%	100%	100%

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Demographic Crosstab

Q29 Education

		Q29 Education				Total
		High School Degree or less	Some College	Bachelor's Degree	Graduate Degree, such as a Master's degree, professional degree, or PhD	
Q23 PA Energy Discussion	Very often	11.2%	6.4%	5.7%	9.1%	8.1%
	Somewhat often	30.6%	22.6%	27.3%	20.9%	26.1%
	Not very often	29.2%	42.5%	42.7%	56%	40.3%
	Not at all	25.2%	24.1%	23.2%	11.3%	22.4%
	Unsure	3.8%	4.4%	1.1%	2.7%	3.1%
Total		100%	100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	6.7%	3.2%	6.2%	7.2%	5.6%
	More than once a quarter	7.1%	13.2%	17.7%	9%	11.9%
	More than once a year	6.8%	12.3%	15.9%	16.4%	12.1%
	Less than once a year	19.1%	24.8%	18.8%	15.1%	20.2%
	Never	60.1%	46.4%	41.5%	52.3%	50.2%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q4 2020 Vote	Joe Biden	67.7%	49.7%	32.1%	28.2%	45.9%
	Donald Trump	27.6%	42.4%	54.9%	64%	46%
	Another candidate	3.8%	2.4%	5.1%	4.3%	3.5%
	Did not vote	0.9%	5.6%	7.9%	3.5%	4.6%
Total		100%	100%	100%	100%	100%
Q8 Future Elections Different Party	Very likely	33.1%	19%	22.1%	18.9%	22.6%
	Somewhat likely	28.9%	31.2%	26%	31.8%	30%
	Not very likely	19.9%	31.8%	37.1%	30.3%	29.7%
	Not at all likely	18.1%	18%	14.7%	19.1%	17.7%
Total		100%	100%	100%	100%	100%
Q9 PA State Legislature Approval	Strongly approve	18%	5.5%	5.1%	5.3%	8%
	Somewhat approve	37%	35.3%	28.4%	28%	32.9%
	Neither approve nor disapprove	20%	26.9%	26.4%	27.4%	25.5%
	Somewhat disapprove	18.1%	21%	32.8%	25.3%	23.4%
	Strongly disapprove	7%	11.2%	7.3%	14%	10.2%
Total		100%	100%	100%	100%	100%
Q10 PA Energy Infrastructure	I support traditional energy sources like gas and coal over renewable energy.	19.2%	18.8%	20.5%	34.6%	22.5%

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
	I support renewable energy over traditional energy sources like gas and coal.	34.4%	27.7%	22.3%	16.7%	25.9%
	I support an all-of-the-above strategy - traditional sources of energy as well as new sources of renewable energy including new technologies like battery storage.	36.9%	42.9%	48.2%	39.9%	41.9%
	I don't know enough to state my opinion	9.5%	10.6%	9%	8.8%	9.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q11 Power Grid Reliability	Very reliable	23.1%	16.5%	17%	15.9%	17.8%
	Somewhat reliable	50%	48.1%	49.4%	44.1%	47.9%
	Neither reliable nor unreliable	14.6%	24.5%	22.3%	28.6%	22.9%
	Somewhat unreliable	9.5%	7.7%	10.7%	9.5%	9%
	Very unreliable	2.8%	3.1%	0.6%	2%	2.4%
Total		100%	100%	100%	100%	100%
Q12 Power Grid Importance	Safe power delivery to your home	35.7%	39.9%	41.4%	35.7%	38.4%
	The price of power	36%	32.3%	36.9%	40.2%	35.5%
	The amount of pollution from local power plants	14.5%	14.1%	6%	6.6%	11.2%
	I do not know enough about the electric grid to state my opinion	13.8%	13.7%	15.7%	17.5%	14.9%
Total		100%	100%	100%	100%	100%
Q13R2 Top Choice	Energy natural gas power plants	30.9%	28.1%	32.7%	24.7%	28.8%
	Energy from nuclear plants	13.2%	15.8%	12.1%	19.5%	15.4%
	Energy from coal	8.4%	5.7%	11.7%	10.1%	8.2%
	Energy from Solar	27.4%	28.8%	23.8%	22.9%	26.4%
	Energy from Wind	13.2%	7%	8.9%	9.2%	9.1%
	Energy from hydroelectric dams	3.1%	5.4%	4.3%	3.3%	4.3%

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
	Energy from batteries that store power from wind or solar	3.7%	9.2%	6.5%	10.3%	7.8%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q13R3 Second choice	Energy natural gas power plants	11.3%	15.2%	16.9%	15.7%	14.8%
	Energy from nuclear plants	16.1%	15.8%	17.2%	9.7%	14.9%
	Energy from coal	10.6%	8.2%	7.1%	17%	10.3%
	Energy from Solar	30.7%	17.1%	16.5%	22.6%	21%
	Energy from Wind	16.9%	18.2%	19.1%	19.5%	18.4%
	Energy from hydroelectric dams	6.7%	11.2%	13.8%	6.2%	9.7%
	Energy from batteries that store power from wind or solar	7.7%	14.2%	9.4%	9.3%	11%
Total		100%	100%	100%	100%	100%
Q13R4 Third choice	Energy natural gas power plants	9.1%	10.8%	7.7%	14.2%	10.6%
	Energy from nuclear plants	7.9%	9.4%	8.6%	6.4%	8.3%
	Energy from coal	8.8%	13.6%	23.5%	7.3%	13%
	Energy from Solar	14.7%	18%	11.6%	11.1%	14.7%
	Energy from Wind	28.2%	20.4%	13.5%	14.8%	19.7%
	Energy from hydroelectric dams	17.6%	17%	16%	31.3%	19.9%
	Energy from batteries that store power from wind or solar	13.7%	10.8%	19%	14.9%	13.7%

		Q31 Urbanicity				Total
		City	Suburb near a city	Small town not near a city	Rural or country area	
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q14R2 Energy from gas and oil	Very favorable	30.7%	27.9%	34.3%	38%	31.7%
	Somewhat favorable	22.5%	32%	25%	32%	28.8%
	Neither favorable nor unfavorable	18.4%	16.4%	13.6%	13.3%	15.7%
	Unsure	0%	0.9%	2.1%	1.3%	1%
	Somewhat unfavorable	17.1%	15.6%	15.9%	7.1%	14.2%
	Very unfavorable	11.4%	7.2%	9.2%	8.3%	8.7%
Total		100%	100%	100%	100%	100%
Q14R3 Energy from nuclear plants	Very favorable	13%	21.3%	26.9%	20.7%	20.5%
	Somewhat favorable	31%	27.1%	26.8%	28.5%	28.2%
	Neither favorable nor unfavorable	17.7%	23.3%	7.8%	22.6%	19.2%
	Unsure	2.9%	0.9%	5.7%	2.5%	2.5%
	Somewhat unfavorable	14.4%	13.4%	15.3%	11.3%	13.5%
	Very unfavorable	21%	14%	17.6%	14.3%	16.2%
Total		100%	100%	100%	100%	100%
Q14R4 Energy from coal	Very favorable	15.1%	13.5%	25.7%	25.2%	18.4%
	Somewhat favorable	24.6%	25.7%	19.8%	24.3%	24.1%
	Neither favorable nor unfavorable	19.2%	19.4%	16.5%	16.1%	18.1%
	Unsure	0%	0.8%	0%	2.2%	0.8%
	Somewhat unfavorable	18.1%	21.8%	21.8%	14.1%	19.4%
	Very unfavorable	23%	18.8%	16.2%	18.1%	19.1%

		Q31 Urbanicity				Total
		City	Suburb near a city	Small town not near a city	Rural or country area	
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q14R5 Energy from Solar	Very favorable	53.6%	47.4%	50.1%	45.9%	48.8%
	Somewhat favorable	31.4%	24.9%	26.2%	31.3%	27.8%
	Neither favorable nor unfavorable	10.7%	16.4%	10.8%	11.2%	13.1%
	Unsure	0%	1.5%	0%	0.5%	0.7%
	Somewhat unfavorable	2.1%	4.6%	7.6%	5.8%	4.9%
	Very unfavorable	2.1%	5.3%	5.3%	5.4%	4.7%
Total		100%	100%	100%	100%	100%
Q14R6 Energy from Wind	Very favorable	53.1%	46.6%	40.8%	35.6%	44.6%
	Somewhat favorable	26.8%	24.7%	28.5%	38.7%	28.7%
	Neither favorable nor unfavorable	13.4%	15.5%	14.3%	12.7%	14.3%
	Unsure	1.4%	0.8%	1.4%	1%	1.1%
	Somewhat unfavorable	2.9%	4.8%	7.3%	5.7%	5.1%
	Very unfavorable	2.3%	7.6%	7.7%	6.3%	6.2%
Total		100%	100%	100%	100%	100%
Q15R2 Energy from gas and oil	Very reliable	41.3%	44.9%	54.2%	61.3%	49.2%
	Somewhat reliable	31.2%	33.5%	32.8%	30.9%	32.4%
	Neither reliable or unreliable	11.9%	12.8%	10.1%	5.7%	10.6%
	Unsure	0%	3.1%	0%	0%	1.2%
	Somewhat unreliable	13.3%	5.1%	2.3%	2.2%	5.7%
	Very unreliable	2.3%	0.7%	0.6%	0%	0.8%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q15R3 Energy from nuclear plants	Very reliable	23.4%	33.1%	48.7%	40.7%	35.4%
	Somewhat reliable	32.8%	28.5%	23.5%	28.6%	28.5%
	Neither reliable or unreliable	17.9%	15.7%	9.4%	18.7%	15.7%
	Unsure	9.8%	5.1%	4.9%	5.2%	6.1%
	Somewhat unreliable	8.1%	9.2%	4.5%	5%	7.3%
	Very unreliable	8%	8.4%	8.9%	1.8%	7%
Total		100%	100%	100%	100%	100%
Q15R4 Energy from coal	Very reliable	30.4%	32.1%	39.5%	44.3%	35.6%
	Somewhat reliable	33.5%	34%	32.5%	32%	33.2%
	Neither reliable or unreliable	16.3%	14.2%	15.6%	10.3%	14.1%
	Unsure	0%	5.2%	0.6%	4%	3%
	Somewhat unreliable	10.5%	9.6%	8.9%	9.5%	9.7%
	Very unreliable	9.4%	4.8%	2.9%	0%	4.4%
Total		100%	100%	100%	100%	100%
Q15R5 Energy from Solar	Very reliable	38.8%	29%	25.6%	26%	29.8%
	Somewhat reliable	40.6%	33.2%	36.2%	39.7%	36.6%
	Neither reliable or unreliable	8.3%	14.9%	9.4%	14%	12.4%
	Unsure	0.8%	1.7%	0%	0%	0.9%
	Somewhat unreliable	8.9%	12.5%	19.4%	12.2%	12.9%
	Very unreliable	2.5%	8.7%	9.3%	8%	7.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q15R6 Energy from Wind	Very reliable	34.5%	22.8%	26.7%	15.7%	24.5%
	Somewhat reliable	36%	32.3%	27.9%	46.7%	35.3%
	Neither reliable or unreliable	11.9%	18.5%	14%	14.6%	15.5%
	Unsure	1.5%	1.5%	2.1%	0.7%	1.4%
	Somewhat unreliable	14%	15.8%	18%	13.1%	15.2%
	Very unreliable	2.2%	9.1%	11.2%	9.2%	8.1%
Total		100%	100%	100%	100%	100%
Q16 Energy Supply Priority	Developing alternative energy sources	62.6%	54.2%	55.2%	40.6%	53.3%
	Expanding exploration and production	30.4%	39.1%	40.5%	49.1%	39.6%
	Don't know	7.1%	6.7%	4.3%	10.3%	7.1%
Total		100%	100%	100%	100%	100%
Q20R2 Promote solar projects and adopt measures to increase access to renewable energy sources.	Strongly support	52.1%	40.7%	49.5%	34.7%	43.4%
	Somewhat support	32.1%	31.2%	25.1%	32.2%	30.5%
	Neither support nor oppose	7.3%	13.7%	8.5%	19.2%	12.6%
	Not sure	1.6%	1.1%	0%	0.4%	0.9%
	Somewhat oppose	5.6%	8.3%	7.6%	6.8%	7.3%
	Strongly oppose	1.4%	5%	9.3%	6.8%	5.4%
Total		100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				Total
		City	Suburb near a city	Small town not near a city	Rural or country area	
Q20R3 Invest to plug abandoned oil & gas wells across the state to curb emissions and create jobs.	Strongly support	44.3%	32.2%	30.4%	27.8%	33.5%
	Somewhat support	29.4%	34.5%	29.2%	32.1%	32%
	Neither support nor oppose	15.2%	18.3%	21.9%	20.1%	18.7%
	Not sure	2%	3.2%	1.5%	2.9%	2.6%
	Somewhat oppose	4.2%	4.2%	7.9%	9%	5.9%
	Strongly oppose	4.9%	7.6%	9.1%	8.1%	7.4%
Total		100%	100%	100%	100%	100%
Q20R4 Invest in zero-carbon technology and provide financial incentives to help bring zero-carbon technologies to commercial readiness.	Strongly support	39.2%	31.8%	31.7%	23.3%	31.5%
	Somewhat support	32.6%	28.9%	29%	26.1%	29.1%
	Neither support nor oppose	12.5%	20.6%	14.6%	22%	18.1%
	Not sure	1.6%	2.2%	1.5%	5.9%	2.7%
	Somewhat oppose	7%	9.6%	11.3%	7.7%	9%
	Strongly oppose	7.1%	7%	11.9%	15%	9.5%
Total		100%	100%	100%	100%	100%
Q20R5 Financial incentives for electric vehicles and ensure the Commonwealth has the infrastructure to sustain the growth.	Strongly support	32.1%	26.6%	21.9%	15.3%	24.6%
	Somewhat support	34%	31.6%	26.9%	26%	30.1%
	Neither support nor oppose	19.1%	18.5%	12.7%	18.8%	17.7%
	Not sure	1.2%	1.8%	1.5%	2.1%	1.7%

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
	Somewhat oppose	7.2%	8.2%	9.7%	14.2%	9.5%
	Strongly oppose	6.4%	13.4%	27.4%	23.7%	16.5%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				Total
		City	Suburb near a city	Small town not near a city	Rural or country area	
Q20R6 Update Pennsylvania's Alternative Energy Portfolio Standards Act to set a target to generate 30 percent of Pennsylvania's energy from renewable sources by 2030 and set a goal for Pennsylvania to reach net-zero emissions by 2050.	Strongly support	39.4%	32.8%	45.4%	24.2%	34.6%
	Somewhat support	35%	31.2%	17.7%	20.3%	27.3%
	Neither support nor oppose	11.9%	15.1%	10.4%	25.2%	15.7%
	Not sure	3.7%	2.7%	1.5%	6.8%	3.5%
	Somewhat oppose	6.9%	7.6%	7.9%	10.2%	8.1%
	Strongly oppose	3.1%	10.6%	17.1%	13.2%	10.7%
Total		100%	100%	100%	100%	100%
Q21 PA In RGGI Support	Strongly support	33.8%	30.4%	31.4%	13%	27.7%
	Somewhat support	29.1%	24.6%	17.4%	25.5%	24.4%
	Neither support nor oppose	14.4%	18.5%	11.5%	15.8%	15.9%
	Somewhat oppose	6.8%	6.8%	15.3%	13.8%	9.8%
	Strongly oppose	8%	15.4%	22.1%	21.6%	16.3%
	Not sure	8%	4.3%	2.2%	10.3%	5.9%
Total		100%	100%	100%	100%	100%
Q22 Expanding Renewable Energy Support	Much more likely to support	39.4%	27.6%	30%	22.7%	29.5%
	Somewhat more likely to support	25.2%	30%	19.8%	25.8%	26.3%
	No impact on my support	25.2%	16.8%	23.7%	22.8%	21%

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
	Somewhat less likely to support	4.3%	13.4%	6.5%	9.3%	9.5%
	Much less likely to support	2.9%	7.4%	15.6%	12.9%	9.1%
	Don't know/Not Sure	3.1%	4.7%	4.3%	6.6%	4.7%
	Total	100%	100%	100%	100%	100%

2023 PA Energy Policy Survey

Demographic Crosstab

Q31 Urbanicity

		Q31 Urbanicity				
		City	Suburb near a city	Small town not near a city	Rural or country area	Total
Q23 PA Energy Discussion	Very often	15.4%	7.4%	6.1%	3.7%	8.1%
	Somewhat often	25%	26.7%	32.9%	20%	26.1%
	Not very often	40.5%	41.1%	34.4%	43.5%	40.3%
	Not at all	16.6%	23.1%	23.8%	25.9%	22.5%
	Unsure	2.4%	1.8%	2.8%	6.9%	3.1%
Total		100%	100%	100%	100%	100%
Q24 Contacted Official About Issue	More than once a month	7.4%	6.7%	3.7%	3.4%	5.6%
	More than once a quarter	16.4%	10.5%	8.2%	13.2%	11.9%
	More than once a year	13.7%	13.2%	10.4%	9.8%	12.1%
	Less than once a year	19.1%	20.3%	26%	16%	20.2%
	Never	43.5%	49.2%	51.7%	57.6%	50.2%
Total		100%	100%	100%	100%	100%