

DELAWARE

A Survey of Voters

February 23, 2023

Sample Size Total: 500

Gender	Total
Men	47%
Women	52%

1. Starting out, please indicate in which state you live.

	Total
Delaware	100%

2. And are you registered to vote at your current address?

	Total
Yes	100%

3. We want to make sure we are talking to a lot of different kinds of people. How do you identify yourself?

	Total
Male	47%
Female	52%
Nonbinary	1%

4. Please indicate in what year you were born.

	Total
Under 45	40%
45-64	32%
65+	28%

Methodology: 500 interviews among voters in Delaware were conducted from February 16-23, 2023, using an online survey. The results were weighted to ensure proportional responses. The Bayesian confidence interval for 500 interviews is approximately 5.0, which is roughly equivalent to a margin of error of ± 4.4 at the 95% confidence level.

5. Could you please indicate which race/ethnicity best describes you?

	Total
White	67%
Black/ African American	21%
Hispanic/ Latinx (Puerto Rican, Mexican, etc.)	6%
Asian	2%
Native American	1%
Other	2%
Refused	1%

6. Which county do you live in?

	Total
Kent county	18%
New Castle county	56%
Sussex county	26%

7. And which of the following would best describe where you live?

	Total
Urban Area	16%
Suburban Area	60%
Rural Area	22%
Prefer not to say	2%

8. In general, how concerned are you personally about the high cost of gas and oil, here in the United States?

	Total
Very concerned	55%
Somewhat concerned	35%
Not very concerned	8%
Not at all concerned	2%
Not sure	1%

9. And how concerned are you personally about climate change and its effects on our planet?

	Total
Very concerned	49%
Somewhat concerned	31%
Not very concerned	13%
Not at all concerned	6%
Not sure	0%

10. When it comes to the government increasing funding, in what order would you personally put the following from most important to receive additional funding to the least important?

	<u>Rank 1</u>	<u>Rank 2</u>	<u>Rank 3</u>
More funding to build K-12 schools	12%	21%	19%
More funding to fix our roads and bridges	17%	18%	19%
More funding for public transportation	5%	9%	15%
More funding for police training and hiring	12%	14%	17%
More funding for ending childhood hunger	37%	19%	14%
More funding for increasing the number of electric vehicles	3%	5%	6%
More funding for wind and solar energy	14%	14%	11%

11. Regardless of how concerned you are about energy prices, how much has the increase in energy costs affected you personally?

	Total
It is making it hard to make ends meet	39%
It is not affecting my spending on needed items such as food but noticing the effect on my bank account	39%
I don't like it, but not really affecting me or my finances much	19%
Doesn't affect me at all	3%
(Don't know/ refused)	1%

12. In general, how likely are you to buy an electric vehicle in the following time periods? (Don't show options once answer Very likely)

	<u>Very likely</u>	<u>Some what likely</u>	<u>Not very likely</u>	<u>Unlikely to happen</u>	<u>Not sure</u>
In the next year	6%	14%	24%	50%	6%
In the next 2-3 years	9%	22%	19%	44%	6%
In the next 5 years	10%	24%	16%	40%	11%
In the next 5 to 10 years	6%	31%	15%	37%	12%
10 years or more	8%	27%	13%	37%	15%

13. [SHOW IF 2 YEARS OR MORE] Below are some reasons that other people have given for why they don't think they will buy an electric vehicle in the next couple years. Please rate each using a scale of 0 to 100 where 0 means you do not agree at all and 100 means you strongly agree. You can use any number between 0 and 100.

	<u>Mean</u>	<u>% Strongly agree (80-100)</u>
My current car is hopefully going to last more than a couple years	78.26	56%
Electric vehicles are too expensive and designed for wealthy drivers	67.60	42%
Until electric cars can go farther on a charge, I drive too much for an electric vehicle to make sense for me	58.70	31%
I don't have the ability to charge an electric vehicle where I live	60.35	39%
There are not enough charging stations for it to make sense right now	68.04	41%
Currently there is not an electric vehicle on the market that would really work for my needs (family size, work etc)	55.32	28%

14. [ASK ALL] Which of the following statements comes closest to your own opinion?

	Total
We need to do whatever we can to get as many electric vehicles on the road as quickly as possible in Delaware, including the state subsidizing the costs of the cars, banning the sale of new gas and diesel vehicles, and building the infrastructure for charging stations.	14%
The movement towards electric vehicles is already happening and while it might be slower than many would like we should not impose EV mandates or ban the sale of gas and diesel cars and trucks in Delaware.	26%
Government spending should focus on priorities like schools, healthcare and public safety, not trying to make more people buy electric vehicles	52%
Electric vehicles will probably not ever be a big market in Delaware, and we need to focus on other things.	8%

15. Regardless of your views on electric vehicles, which of the following approaches do you feel would be the best for the Delaware government to take to encourage more residents to buy electric vehicles?

	Total
Subsidize the cost of buying a new electric vehicle for residents	31%
Provide state funding to ensure that there are more charging stations available around the state.	23%
Ban or limit the number of gas vehicles that can be sold in Delaware	2%
Let the new vehicle market reflect consumer demand	31%
Other	3%
Not sure	10%

16. When it comes to building out the infrastructure of charging stations in Delaware what percent of the funding do you think should come from the federal government, state government, private businesses, or electricity users/consumers. Please make sure your answer adds up to 100%

	<u>Mean</u>	Below			
		<u>25%</u>	<u>25%</u>	<u>26-49%</u>	<u>50%+</u>
Federal government	35.10	29%	13%	26%	32%
State governments	25.72	43%	17%	28%	13%
Private businesses	24.29	56%	13%	16%	14%
Consumers	14.89	75%	10%	9%	6%

17. As you may have heard in the news recently; some states have been implementing plans to first restrict the sale of gas-powered vehicles and then ban the sales of all new gas and diesel-powered vehicles within the next 10 years or so.

Based on what you know about this issue, would you say you support or oppose plans like these which would create state government bans to end the sale of gas-powered vehicles?

	Total
Strongly support	9%
Somewhat support	19%
Somewhat oppose	18%
Strongly oppose	47%
Not sure	6%

18. Some states are considering adopting California’s law that will ban the sales of all new gas and diesel vehicles starting in the next 10 to 12 years.

In general, do you feel that Delaware should consider passing and following California’s laws on electric vehicles, or do you think Delaware should write its own rules and laws?

	Total
Strongly support adopting California’s laws	6%
Somewhat support adopting California’s laws	12%
Somewhat support Delaware writing its own laws	22%
Strongly support Delaware writing its own laws	51%
Not sure	9%

19. Regardless of whether you feel Delaware should adopt California’s rules or write their own rules, some state legislators in Delaware have said they would support skipping the yearly increase in the percentage of electric vehicles sold and just pass a full ban of gas- and diesel-powered vehicle sales ten years from now.

Based on what you know about this issue, which of the following comes closest to your own opinion?

	Total
An incremental approach to getting more electric vehicles on the road makes more sense for Delaware residents and the gradual build up will allow for the market to fix itself along the way.	62%
Slow changes will just be confusing. If we just set a date in the future where gas powered vehicles will no longer be allowed to be sold in Delaware, it makes it much easier for everyone to understand.	15%
Not sure	23%

Below are a few reasons that others have given for why Delaware should not proceed with banning the sale of gas- and diesel-powered vehicles. Please rate each using a scale of 0 to 10 where 0 is strongly disagree and 10 is strongly agree. You can use any number between 0 and 10. For the questions below EV=Electric Vehicles.

	<u>Mean</u>	<u>% Strongly agree (8-10)</u>
18. Delaware lawmakers should seek a bipartisan solution to help ensure a smooth adoption of EVs, and not get caught up in taking extreme positions on either side of the EV issue.	6.94	45%
19. A full ban on EV sales in Delaware could have a negative effect on the movement to EVs since it will likely alienate many consumers who don't feel the government should control what people can and cannot drive in Delaware.	7.03	46%
20. More people in Delaware driving EVs is good for the environment but passing a complete ban on selling gas and diesel vehicles is a step too far for Delaware.	7.38	52%
21. Many of the major car companies say they are trying to move to a full electric fleet within the next 10 years. There is no good reason for Delaware to mandate EV sales or ban the sale of other cars when the marketplace is already heading in the direction of 100% electric vehicles.	6.47	37%
22. A ban on gas and diesel vehicle sales would only mean that Delaware residents would cross state lines to buy a gas car to get around the regulations.	7.45	50%
23. While our free-market system is not perfect, government mandates or controls on what people can or can't buy never work out well. Encouraging EVs through tax credits, helping build out the infrastructure needed etc all make sense but telling people they have to buy an EV is a step too far	7.46	51%
24. The federal government has its own standards and programs to encourage more people to purchase EVs. If all 50 states are working under the same rules it will make the transition to EVs much easier and probably faster	5.73	27%

20. The federal government also has standards in place to lower vehicle emissions, increase fuel economy, and encourage the adoption of electric vehicles. Delaware is able to offer input on these federal rules. The vast majority of states--and therefore the majority of drivers and cars on the road—adhere to the federal government’s standards. Regardless of where you are on this issue, which do you think would be a better way to handle vehicle policy and promote cleaner transportation throughout the United States?

	Total
A national policy that sets a uniform standard for every state	40%
A state-by-state approach where each state would create different rules for vehicles	43%
Not sure	17%

The last few questions are for statistical purposes only.

21. Generally speaking, do you think of yourself as a:

	Total
Strong Republican	16%
Not-so-strong Republican	9%
Independent - lean Republican	10%
Independent	13%
Independent - lean Democratic	13%
Not-so-strong Democrat	13%
Strong Democrat	24%
Other	2%
Refused	1%

22. Thinking about the 2020 Presidential Election, which candidate, if any, did you vote for:

	Total
Donald Trump	32%
Joe Biden	56%
3 rd Party Candidate	3%
Did Not Vote For President	10%

23. And in the 2020 Gubernatorial Election in Delaware, which candidate, if any, did you vote for:

	Total
John Carney	53%
Julianne Murray	23%
3 rd Party Candidate	2%
Did Not Vote For Governor	23%

24. What is the last year of schooling that you have completed?

	Total
1 – 11 th grade	2%
High school graduate	26%
Non-college post H.S.	3%
Some college	27%
College graduate	29%
Post-graduate school	14%
Unsure	0%

25. Are you married, unmarried living with partner, single, separated, divorced or widowed?

	Total
Married	44%
Unmarried with partner	13%
Single	28%
Separated/divorced	11%
Widowed	4%
Unsure	0%

26. Do you have any children under the age of 18 years old living in your household?

	Total
Yes	28%
No	71%
Refuse/Decline Answer	1%

27. What was your approximate annual income before taxes last year?

	Total
Less than \$20,000	10%
\$20,000-\$39,999	18%
\$40,000-\$59,999	18%
\$60,000-\$79,999	16%
\$80,000-\$99,999	10%
\$100,000-\$119,999	7%
\$120,000-\$149,999	8%
\$150,000-\$199,999	4%
\$200,000-\$249,999	2%
\$250,000 or more	2%
Not currently employed	2%
Prefer not to say	5%