In collaboration with Los Angeles Eines

Global Warming and Electric Cars Oct 28-30, 2022

METHODOLOGY



METHODOLOGY

Leger,the largest Canadian-owned polling and marketing research firm, in collaboration with The Atlantic, conducted this Web survey with a representative sample of **1,005 Americans**, over the age of 18, selected from LEO's (Leger Opinion) representative panel. Data collection took place from **October 28th**, **2022 to October 30th**, **2022**, via Computer-Assisted Web Interviewing technology (CAWI). Using 2020 U.S. Census reference variables, the American data was then analyzed and weighted by our statisticians according to gender, age, region, race/ethnicity, household size and education level in order to render a representative sample of the general population.

A margin of error cannot be associated with a non-probability sample in a panel survey. For comparison purposes, a probability sample of this size would have a margin of ±3.09%, 19 times out of 20. The results presented in this study comply with the public opinion research standards and disclosure requirements of CRIC (the Canadian Research and Insights Council) and the global ESOMAR network. Leger is a founding member of CRIC and is actively involved in raising quality standards in the survey industry. President Jean-Marc Léger is a member of the CRIC's Board of Directors and the Canadian representative of ESOMAR.

Leger is the polling firm that has presented the most accurate data, on average, over the last ten years in Canada. During the last federal election in 2019, Leger was once again the most accurate firm in the country. This accuracy is attributed to the quality of the LEO panel and rigorous application of methodological rules by Leger's 600 employees, including 200 professionals in Leger's eight offices across Canada (Montreal, Toronto, Quebec City, Winnipeg, Calgary, Edmonton and Vancouver) and in the United States (Philadelphia).

Poll aggregator 338Canada.com gave Leger the highest rating among all polling firms in Canada for the accuracy of its studies. See <u>https://338canada.com/pollster-ratings.htm</u>



METHODOLOGY

Notes on Reading this Report

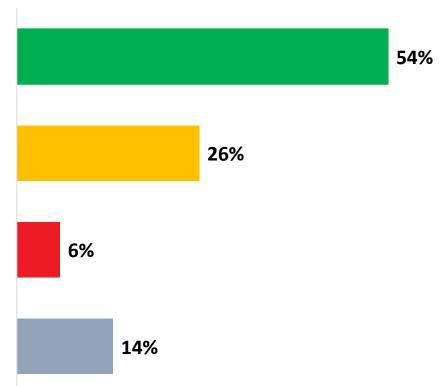
The numbers presented have been rounded. However, the numbers before rounding were used to calculate the sums presented and might therefore not correspond to the manual addition of these numbers.

A more detailed methodology is presented in the appendix.

If you have questions about the data presented in this report, please contact Simon Jaworski, EVP, or Juliet Vapsva the following e-mail addresses: sigaworski@leger360.com, jvapsva@leger360.com

Thoughts on Climate Change Causes

LAT1: Climate change refers to long-term shifts in temperatures and weather patterns. Which of the following statements best represent your ideas on climate change? Base: All respondents (n = 1005)



Perceived Cause of Climate Change

(Total, n=1005)

Climate change, and in particular global warming, is mainly the result of human activity

Change in climate is the result of meteorological patterns that human activity has little or no impact on

Climate change does not exist

Don't know enough to form an opinion.



Thoughts on Climate Change Causes – Among Demographics

LAT1: Climate change refers to long-term shifts in temperatures and weather patterns. Which of the following statements best represent your ideas on climate change?

Base: All respondents (n = 1005)

Los Angeles Times

	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530
Climate change, and in particular global warming, is mainly the result of human activity	54%	56%	48%	49%	64%	62%	54%	48%	51%	56%
Change in climate is the result of meteorological patterns that human activity has little or no impact on	26%	23%	30%	30%	20%	20%	24%	33%	33%	20%
Climate change does not exist	6%	5%	4%	9%	4%	4%	8%	6%	8%	4%
Don't know enough to form an opinion.	14%	16%	18%	12%	11%	14%	14%	14%	8%	19%

Perceived Cause of Climate Change





Thoughts on Climate Change Causes – Among Voting History and November Voting Plans

LAT1: Climate change refers to long-term shifts in temperatures and weather patterns. Which of the following statements best represent your ideas on climate change?

Base: All respondents (n = 1005)

	TOTAL USA	Voted for Trump	Voted for Biden	Voted for other	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Indepen- dent	I don't plan on voting
Weighted n=	1005	373	405	16	370	335	149	151
Unweighted n=	1005	352	440	33	388	325	159	133
Climate change, and in particular global warming, is mainly the result of human activity	54%	29%	79%	48%	81%	31%	40%	52%
Change in climate is the result of meteorological patterns that human activity has little or no impact on	26%	47%	13%	30%	12%	47%	26%	16%
Climate change does not exist	6%	12%	3%	7%	3%	11%	8%	3%
Don't know enough to form an opinion.	14%	12%	5%	16%	5%	12%	25%	30%

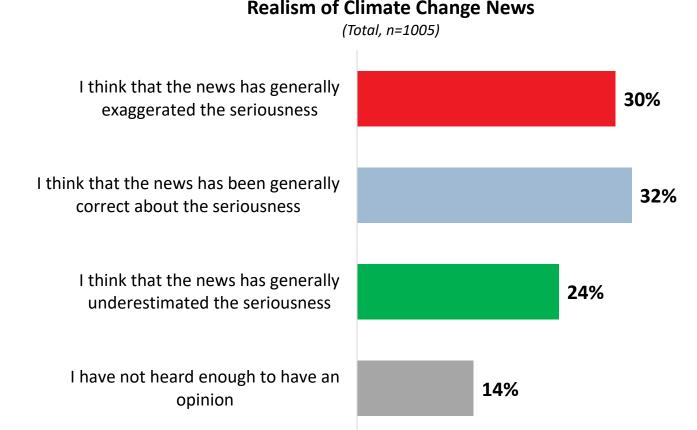
Perceived Cause of Climate Change (Total, n=1005)

Is Climate Change News realistic?



LAT2: Thinking about what you've heard about climate change, how realistic do you think the news has been regarding the seriousness of climate change?

Base: All respondents (n = 1005)



Realism of Climate Change News

Is Climate Change News realistic? – By Politics and Climate Change Opinions



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LAT2: Thinking about what you've heard about climate change, how realistic do you think the news has been regarding the seriousness of climate change?

Base: All respondents (n = 1005)

Los Angeles Times

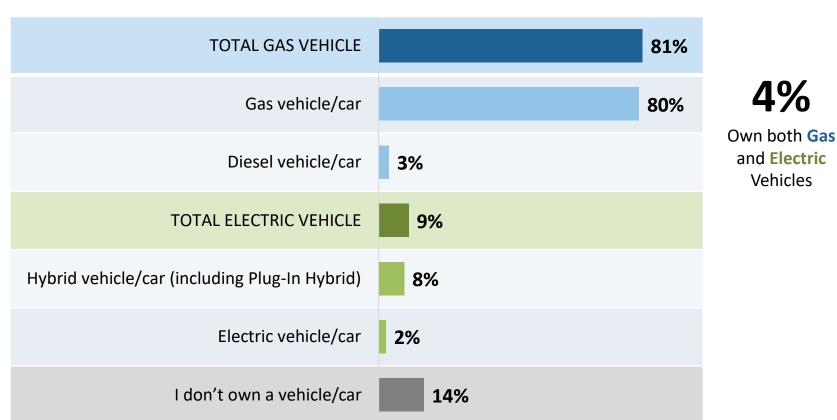
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	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Indepen- dent	I don't plan on voting
Weighted n=	1005	539	265	62	370	335	149	151
Unweighted n=	1005	552	266	55	388	325	159	133
I think that the news has generally exaggerated the seriousness	30%	8%	67%	74%	8%	58%	34%	21%
I think that the news has been generally correct about the seriousness	32%	48%	17%	7%	48%	21%	28%	23%
I think that the news has generally underestimated the seriousness	24%	37%	10%	7%	40%	11%	16%	20%
I have not heard enough to have an opinion	14%	7%	6%	13%	5%	10%	21%	37%

Realism of Climate Change News

LAT3- Which of the following types of vehicles do you or your household own?

Base: All respondents (n = 1005)



Types of Vehicles Owned



Types of Car Ownership – USA – By Demographics



LAT3- Which of the following types of vehicles do you or your household own?

Base: All respondents (n = 1005)

Types of Vehicles Owned

	TOTAL USA		North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n= Unweighted n=			180 213	218 231	373 319	234 242	210 114	423 378	372 513	488 475	517 530
TOTAL GAS VEHICLE	1003	81%	78%	88%	80%	78%	76%	78%	87%	82%	80%
Gas vehicle/car		80%	76%	88%	79%	76%	74%	77%	87%	81%	79%
Diesel vehicle/car	3%		5%	3%	3%	2%	6%	3%	2%	2%	4%
TOTAL ELECTRIC VEHICLE	9%		11%	6%	8%	12%	16%	10%	5%	13%	6%
Hybrid vehicle/car (including Plug-In Hybrid)	8%		9%	6%	8%	9%	13%	8%	4%	12%	4%
Electric vehicle/car	2%		2%	2%	1%	5%	5%	2%	1%	2%	2%
I don't own a vehicle/car	14%		16%	9%	15%	16%	15%	17%	10%	11%	17%

Types of Car Ownership - USA – By Politics and Climate Change Opinions

LAT3- Which of the following types of vehicles do you or your household own? Base: All respondents (n = 1005)

Types of Vehicles Owned

(Total, n=1005)

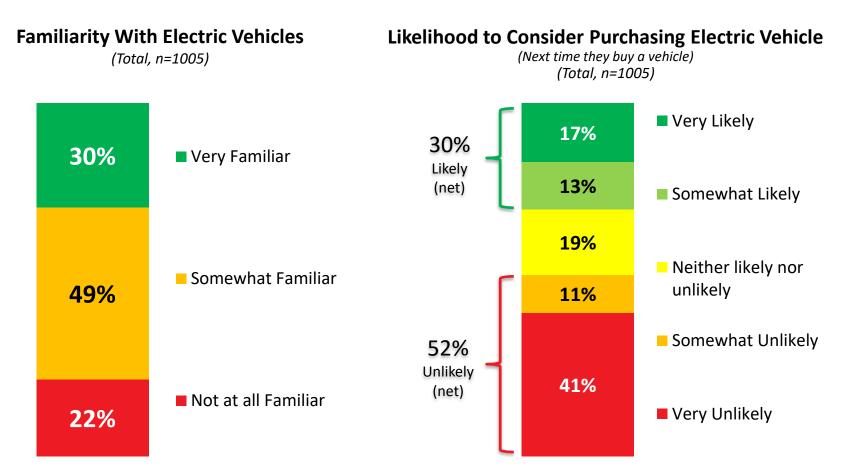
	TOTAL USA		Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Indepen- dent	l don't plan on voting
Weighted n=	1005		539	265	62	370	335	149	151
Unweighted n=	1005		552	266	55	388	325	159	133
TOTAL GAS VEHICLE		81%	79%	88%	84%	78%	87%	82%	73%
Gas vehicle/car		80%	78%	88%	78%	76%	86%	82%	73%
Diesel vehicle/car	3%		2%	5%	7%	4%	3%	1%	2%
TOTAL ELECTRIC VEHICLE	9%		14%	5%	0%	14%	9%	6%	2%
Hybrid vehicle/car (including Plug-In Hybrid)	8%		12%	4%	0%	12%	8%	4%	2%
Electric vehicle/car	2%		3%	1%	0%	4%	1%	3%	0%
I don't own a vehicle/car	14%		12%	10%	16%	14%	8%	14%	27%



Electric Vehicle - Familiarity and Planned Ownership



LAT4: An electric vehicle is an automobile that can be powered by electricity or a battery. How familiar are you with electric vehicles? LAT5: How likely are you to consider purchasing an electric vehicle next time you buy a vehicle? Base: All respondents (n = 1005)



Likelihood to Purchase Electric Vehicles – By Demographics



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LAT5: How likely are you to consider purchasing an electric vehicle next time you buy a vehicle?

Base: All respondents (n = 1005)

Los Angeles Times

(<i>Total, n=1005</i>)										
	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530
% Very/Somewhat Likely	30%	30%	26%	27%	39%	49%	35%	14%	38%	23%
Very Likely	17%	14%	15%	15%	23%	26%	22%	4% 9%	24%	10% 13%
	13%	16%	12%	11%				<mark>15%</mark>		1370
Somewhat Likely	19%	18%	<mark>19%</mark>	<mark>17%</mark>	16%	22%	13%	13%	14%	19%
Neither likely nor unlikely	11%	11%	12%	10%	21%	20%	21%		18%	12%
Somewhat Unlikely	41%	41%	42%	46%	10%	9%	9%	58%	10%	46%
Very Unlikely					30%	22%	35%		35%	

Likelihood to Consider Purchasing Electric Vehicle

(Next time they buy a vehicle) (Total, n=1005)

Likelihood to Purchase Electric Vehicles – By Politics and Climate Change Opinions



LAT5: How likely are you to consider purchasing an electric vehicle next time you buy a vehicle?

Base: All respondents (n = 1005)

Los Angeles Times

Likelihood to Consider Purchasing Electric Vehicle

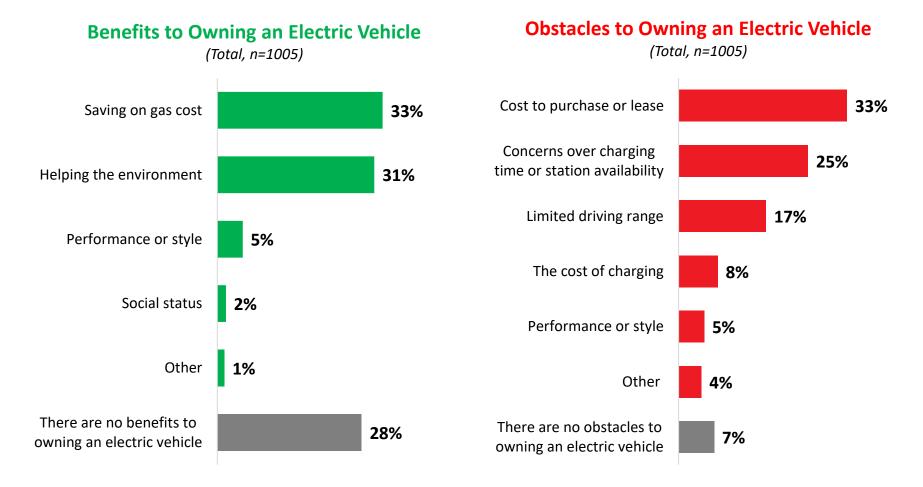
	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independent	l don't plan on voting
Weighted n=	1005	539	265	62	370	335	149	151
Unweighted n=	1005	552	266	55	388	325	159	133
% Very/Somewhat Likely	30%	45%	18%	15%	45%	20%	28%	16%
Very Likely	17%	26%	8% 10%	9% 7%	27%	12% 8%	10% 19%	<mark>8%</mark> 8%
- Somowhat Likoly	13%		11%	13%		13%		21%
Somewhat Likely	19%	19%	13%	4%	19%	11%	18%	17%
Neither likely nor unlikely	11%	20%			220/		10%	
Somewhat Unlikely	41%	10%	58%	68%	23% 8%	56%	44%	46%
Very Unlikely		24%			23%			

(Next time they buy a vehicle) (Total, n=1005)

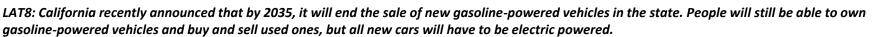
Benefits and Obstacles to Owning an Electric Vehicle



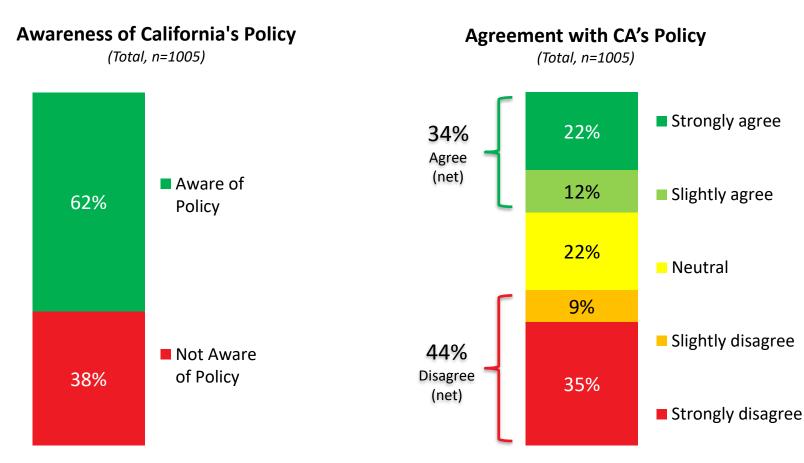
LAT6: What do you think would be the biggest benefit of owning an electric vehicle? LAT7: What do you think would be the biggest obstacle to owning an electric vehicle? Base: All respondents (n = 1005)



California's Gas Vehicle Policy Familiarity and Agreement



LAT9: How much do you agree or disagree with California's plan to have all new cars sold be zero-emission vehicles by 2035? Base: All respondents (n=1,005)



Agreement with California's Gas Vehicle Policy – By Demographics

LAT9: How much do you agree or disagree with California's plan to have all new cars sold be zero-emission vehicles by 2035? Base: All respondents (n=1,005)

	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530
% Strongly/Slightly Agree	34%	36%	24%	31%	47%	50%	38%	20%	41%	27%
Strongly agree	22%	23%	14% 10%	21%	30%	33%	26%	12% 8%	28%	17%
Slightly agree	12%	13%		10%			12%	<mark>19%</mark>	13%	10%
Neutral	22%	26%	24%	21%	17%	17%	23%	11%	15 [%]	29%
Slightly disagree	9%	8%	1070	10%	20% 6%	27%	8%		9%	8%
Strongly disagree	35%	30%	41%	39%	27%	4% 19%	30%	49%	34%	36%

Agreement with CA's Policy

(Total, n=1005)



Leger

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Agreement with California's Gas Vehicle Policy – By Politics and Climate Change Opinions

Los Angeles Times

LAT9: How much do you agree or disagree with California's plan to have all new cars sold be zero-emission vehicles by 2035? Base: All respondents (n=1,005)

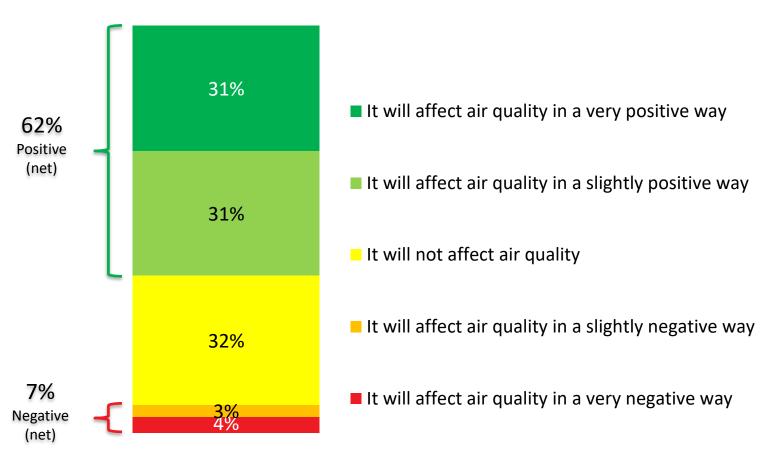
Climate Climate Climate TOTAL Change is the Change has Plan to Vote I don't plan Plan to Vote Plan to Vote Change does USA **Result of** Natural Democratic Republican Independent on voting not exist Humans Causes Weighted n= 1005 539 265 62 370 335 149 151 Unweighted n= 1005 552 266 55 388 325 159 133 % Strongly/Slightly Agree 30% **53%** 18% 9% **59%** 17% 19% 25% 7% 10% 10% 13% 18% 22% Strongly agree 8% 9% 5% 35% 18% 38% 7% 10% 10% 12% 5% 5% 10% Slightly agree 34% 18% 22% 44% 22% Neutral 8% 9% 23% 67% 67% 63% 21% Slightly disagree 8% 9% 39% 35% 7% 23% Strongly disagree 15% 13%

Agreement with CA's Policy

California's Gas Vehicle Policy - Affect on Air Quality

LAT10: How do you feel that this decision will affect air quality in California? Base: All respondents (n=1005)

Los Angeles Times



Affect on Air Quality (Total, n=1005)



California's Gas Vehicle Policy - Affect on Air Quality – By **Demographics**

LAT10: How do you feel that this decision will affect air quality in California?

Base: All respondents (n=1,005)

	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530
% Positive	61%	63%	55%	60%	69%	67%	66%	54%	64%	59%
It will affect air quality in a very positive way	31%	35%	24%	31%	34%	34%	36%	24%	35%	27%
It will affect air quality in a slightly										
positive way It will not affect air quality	31%	28%	31%	29%	34%	33%	30%	30%	29%	32%
 It will affect air quality in a slightly negative way It will affect air quality in a very 	32%	<mark>34%</mark>	34%	34%	<mark>26%</mark>	<mark>24%</mark>	<mark>29%</mark>	41%	29%	35%
negative way	3%	1%	<mark>5%</mark> 6%	<mark>- 2</mark> %	4%	<u>7%</u>	2%	2%	4%	3%
% Negative	7%	3%	11%	7%	5%	9%	6%	6%	6%	7%

Affect on Air Quality (Total, n=1005)



California's Gas Vehicle Policy - Affect on Air Quality – By Politics and Climate Change Opinions

LAT10: How do you feel that this decision will affect air quality in California?

Base: All respondents (n=1,005)

	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independent	l don't plan on voting
Weighted n=	1005	539	265	62	370	335	149	151
Unweighted n=	1005	552	266	55	388	325	159	133
% Positive	61%	84%	39%	13%	86%	44%	48%	54%
It will affect air quality in a very positive way	31%		13%	<u>4</u> %		19%	16%	19%
It will affect air quality in a slightly positive way		48%	26%		53%	26%	32%	35%
It will not affect air quality	31%			64%				
It will affect air quality in a slightly negative way	32%	37%	52%		33%	47%	37%	41%
It will affect air quality in a very negative way	3270	15%	3% 6%	8% 16%	1 <mark>3%</mark>	<mark>2%</mark> 6%	9% 6%	4%
% Negative Los Angeles T	7% imes	1%	9%	24%	2%	8%	15%	6%

Affect on Air Quality (Total, n=1005)

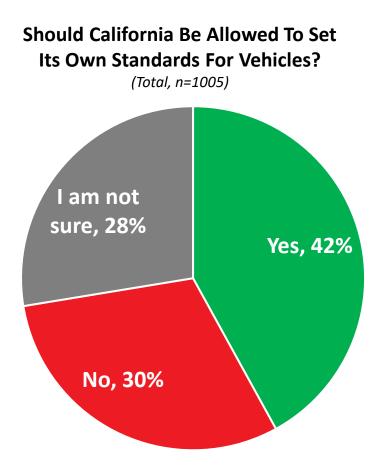
Leger

Thoughts on California Setting Their Own Standards for Vehicles



LAT11: California currently has the legal authority to set its own standards for vehicles. A group of state attorneys general have gone to court to try to end California's authority to do so. Do you think California should be allowed to set its own stand?

Base: All respondents (n=1,005)

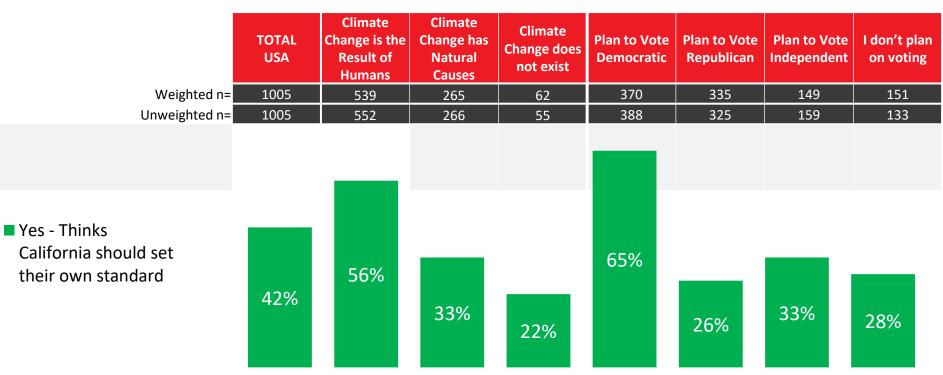


Thoughts on California Setting Their Own Standard for Vehicles – By Politics and Climate Change Opinions



LAT11: California currently has the legal authority to set its own standards for vehicles. A group of state attorneys general have gone to court to try to end California's authority to do so. Do you think California should be allowed to set its own stand?

Base: All respondents (n=1,005)



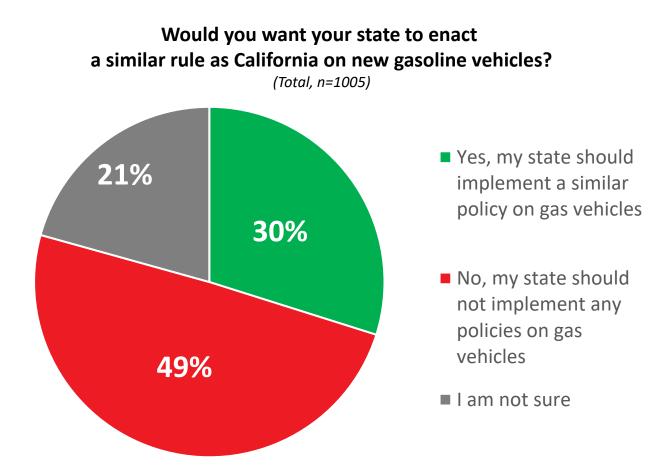
Should California Be Allowed To Set Its Own Standards For Vehicles?

(Total, n=1005)

Other U.S. States Implementing Similar Policies



LAT12: Would you want your state to enact a similar rule as California, in ending the sale of new gasoline-powered vehicles in your state by 2035? Base: All respondents (n=1,005)

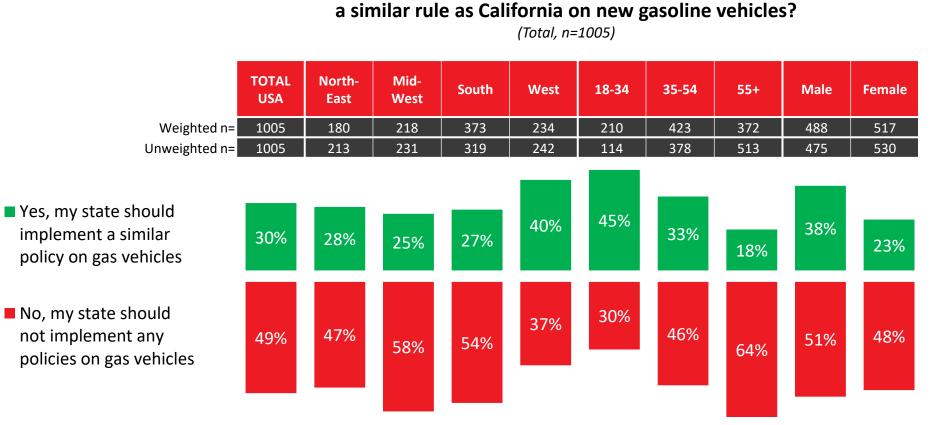


Other U.S. States Implementing Similar Policies – By Demographics

Leger

LAT12: Would you want your state to enact a similar rule as California, in ending the sale of new gasoline-powered vehicles in your state by 2035? Base: All respondents (n=1,005)

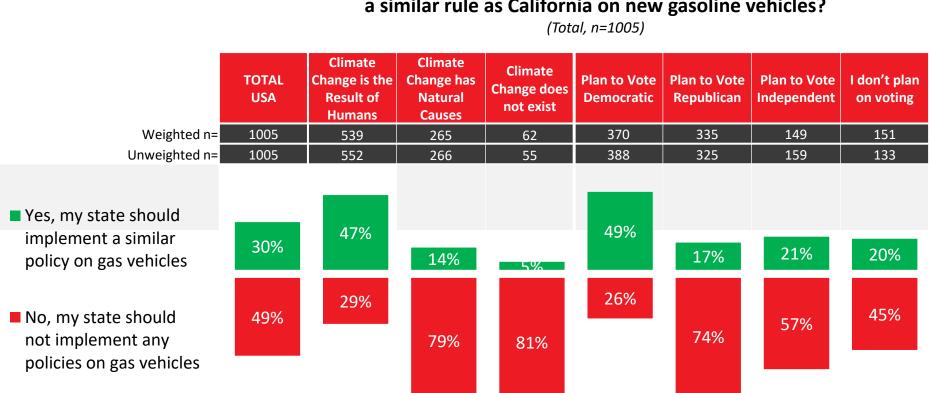
Would you want your state to enact



Other U.S. States Implementing Similar Policies – By Politics and Climate Change Opinions

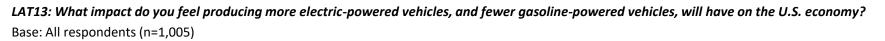


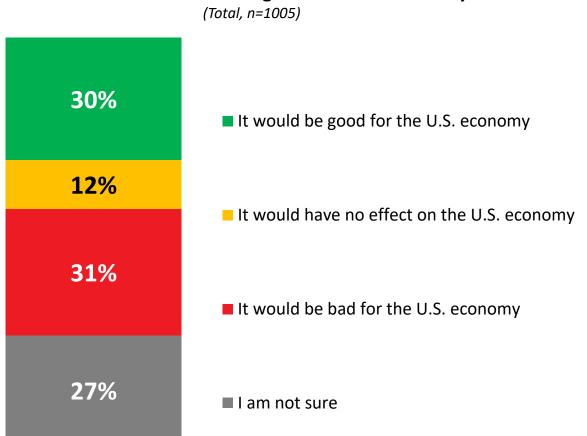
LAT12: Would you want your state to enact a similar rule as California, in ending the sale of new gasoline-powered vehicles in your state by 2035? Base: All respondents (n=1,005)



Would you want your state to enact a similar rule as California on new gasoline vehicles?

Impact on the U.S. Economy of more Electric Vehicles





Perceived Positive and Negative on U.S. Economy

Los Angeles Times

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Impact on the U.S. Economy of more Electric Vehicles – By Demographics

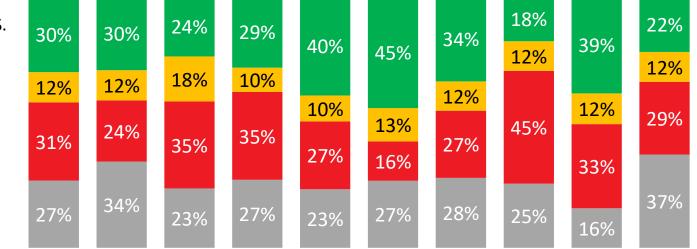
LAT13: What impact do you feel producing more electric-powered vehicles, and fewer gasoline-powered vehicles, will have on the U.S. economy? Base: All respondents (n=1,005)

	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530

Perceived Positive and Negative Impact on U.S. Economy (Total, n=1005)

It would be good for the U.S. economy

- It would have no affect on the U.S. economy
- It would be bad for the U.S. economy
- I am not sure





Impact on the U.S. Economy of more Electric Vehicles - By Politics and Climate Change Opinions



LAT13: What impact do you feel producing more electric-powered vehicles, and fewer gasoline-powered vehicles, will have on the U.S. economy? Base: All respondents (n=1,005)

	(1003)											
	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independent	l don't plan on voting				
Weighted n=	1005	539	265	62	370	335	149	151				
Unweighted n=	1005	552	266	55	388	325	159	133				
It would be good for the U.S. economy	30%	46%	16% 14%	6% 19%	51%	19% 9%	23%	13% 13%				
It would have no affect on the U.S. economy	12%	11%						26%				
It would be bad for the U.S. economy	31%	15%	55%	64%	13% 10%	57%	31%	48%				
I am not sure	27%	28%	15%	12%	26%	16%	30%	4070				

Perceived Positive and Negative Impact on U.S. Economy (Total. n=1005)

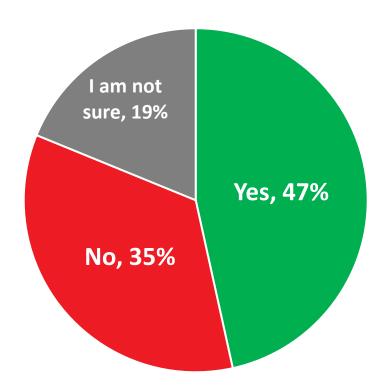
Los Angeles Times

Governmental Incentives To Increase Use

LAT14: Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles? Base: All respondents (n=1,005)



Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles? (Total, n=1005)



Governmental Incentives To Increase Use – By Politics and Climate Change Opinions

LAT14: Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles? Base: All respondents (n=1,005)

Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles?

(Total, n=1005)

	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independent	l don't plan on voting
Weighted n=	1005	539	265	62	370	335	149	151
Unweighted n=	1005	552	266	55	388	325	159	133
Yes - I belieive local, state, or federal governments should provide incentives to increase the use of electric vehicles	47%	68%	23%	15%	74%	28%	33%	34%

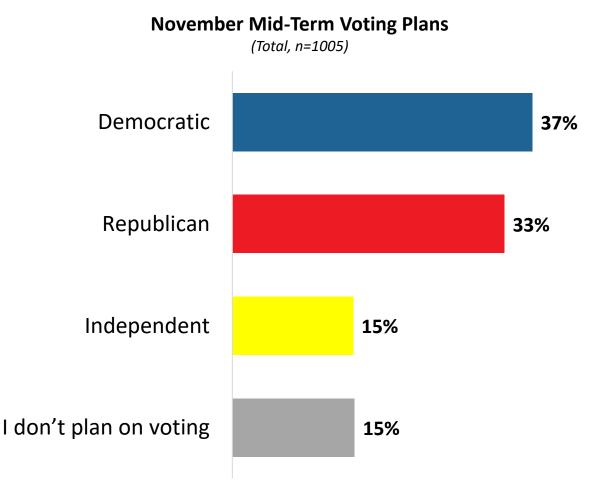
Los Angeles Times

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Who do you plan to vote for in the Mid-Term Elections?



LAT15: How do you plan to vote in the U.S. November mid-term elections? Base: All respondents (n=1,005)



Who do you plan to vote for in the Mid-Term Elections? – By Demographics

LAT15: How do you plan to vote in the U.S. November mid-term elections?

Base: All respondents (n=1,005)

November Mid-Term Voting Plans

North-Mid-TOTAL South 18-34 35-54 55+ West Male Female USA West East Weighted n= 1005 180 218 373 234 210 423 372 488 517 Unweighted n= 1005 213 231 319 242 114 378 513 475 530 37% Democratic 43% 29% 33% 45% 44% 37% 33% 37% 37% 33% Republican 34% 33% 40% 23% 23% 30% 44% 38% 29% 15% Independent 15% 18% 11% 17% 15% 16% 13% 14% 15% 15% I don't plan on voting 9% 19% 16% 15% 19% 17% 11% 10% 20%

(Total, n=1005)



Who do you plan to vote for in the Mid-Term Elections? – By Climate Change Opinions



LAT15: How do you plan to vote in the U.S. November mid-term elections?

Base: All respondents (n=1,005)

November Mid-Term Voting Plans

(Total, n=1005)

	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist
Weighted n=		539	265	62
Unweighted n=	1005	552	266	55
Democratic	37%	55%	17%	16%
Republican	33%	19%	59%	57%
Independent	15%	11%	15%	20%
I don't plan on voting	15%	14%	9%	7%





Is Climate Change News realistic?

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LAT2: Thinking about what you've heard about climate change,

how realistic do you think the news has been regarding the seriousness of climate change?

Base: All respondents (n = 1005)

		(1000)								
	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530
I think that the news has generally exaggerated the seriousness	30%	29%	35%	32%	24%	22%	27%	39%	36%	25%
I think that the news has been generally correct about the seriousness	32%	36%	33%	30%	33%	29%	30%	36%	32%	33%
I think that the news has generally underestimated the seriousness	24%	22%	17%	25%	29%	33%	27%	14%	25%	23%
I have not heard enough to have an opinion	14%	13%	15%	13%	14%	15%	16%	11%	8%	19%

Realism of Climate Change News

(Total, n=1005)

Benefits to Owning an Electric Vehicle – By Demographics



LAT6: What do you think would be the biggest benefit of owning an electric vehicle?

Base: All respondents (n = 1005)

Los Angeles Times

					1	,	- /			
	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n	= 1005	180	218	373	234	210	423	372	488	517
Unweighted n	= 1005	213	231	319	242	114	378	513	475	530
Saving on gas cost	33%	34%	36%	32%	30%	39%	34%	27%	32%	33%
Helping the environment	31%	30%	24%	32%	36%	39%	31%	27%	30%	32%
Performance or style	5%	6%	4%	4%	8%	6%	8%	1%	8%	3%
Social status	2%	1%	1%	2%	2%	1%	1%	2%	2%	1%
Other	1%	1%	2%	1%	2%	1%	1%	2%	2%	1%
There are no benefits to owning an electric vehicle	28%	29%	33%	30%	23%	14%	25%	41%	27%	30%

Benefits to Owning an Electric Vehicle (Total, n=1005)

37

Benefits to Owning an Electric Vehicle – By Politics and Climate Change Opinions



LAT6: What do you think would be the biggest benefit of owning an electric vehicle?

Base: All respondents (n = 1005)

TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independe nt	l don't plan on voting
1005	539	265	62	370	335	149	151
1005	552	266	55	388	325	159	133
33%	38%	25%	16%	37%	29%	26%	37%
31%	47%	13%	4%	46%	18%	25%	28%
5%	4%	7%	5%	7%	3%	6%	2%
2%	0%	3%	4%	0%	3%	4%	0%
1%	1%	3%	1%	1%	1%	3%	1%
28% MES	9%	49%	71%	8%	46%	36%	31% 38
	USA 1005 1005 33% 31% 31% 2% 1%	TOTAL USA Change is the Result of Humans 1005 539 1005 552 33% 38% 33% 38% 47% 4% 2% 0% 1% 1% 28% 9%	TOTAL USA Change is the Result of Humans Change has Natural Causes 1005 539 265 1005 552 266 1005 552 266 33% 38% 25% 5% 47% 13% 2% 0% 3% 1% 1% 3% 28% 9% 49%	TOTAL USA Change is the Result of Humans Change has Natural Causes Change does not exist 1005 539 265 62 1005 552 266 55 1005 33% 38% 25% 16% 1005 417% 13% 4% 5% 4% 7% 5% 2% 0% 3% 4% 1% 1% 3% 1%	TOTAL USA Change is the Result of Humans Change has Natural Causes Change does not exist Plan to Vote Democratic 1005 539 265 62 370 1005 552 266 55 388 33% 38% 25% 16% 37% 31% 47% 13% 4% 46% 5% 4% 7% 5% 7% 2% 0% 3% 4% 0% 1% 3% 4% 1% 1%	TOTAL USAChange is the Result of HumansChange has Natural CausesChange does not existPlan to Vote DemocraticPlan to Vote Republican10055392656237033510055522665538832533%38%25%16%37%29%31%47%13%4%46%18%5%0%3%3%3%3%3%1%1%3%1%1%1%	TOTAL USA Change is the Result of Humans Change has Natural Causes Change does not exist Plan to Vote Democratic Plan to Republican Vote Independe nt 1005 539 265 62 370 335 149 1005 539 266 55 388 325 159 33% 38% 25% 16% 37% 29% 26% 31% 47% 13% 4% 46% 18% 25% 5% 0% 3% 3% 2% 3% 6% 1% 1% 3% 1% 1% 3% 4% 2% 0% 3% 4% 6% 3% 4% 1% 3% 1% 1% 3% 3% 3%

Benefits to Owning an Electric Vehicle

Obstacles to Owning an Electric Vehicle – By Demographics



LAT7: What do you think would be the biggest obstacle to owning an electric vehicle?

Base: All respondents (n = 1005)

						(1010	<i>i, ii=</i> 100.	5)			
		TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
	Weighted n=	1005	180	218	373	234	210	423	372	488	517
	Unweighted n=	1005	213	231	319	242	114	378	513	475	530
	Cost to purchase or lease	33%	34%	25%	36%	35%	29%	34%	35%	34%	32%
(Concerns over charging time or station availability	25%	23%	29%	23%	29%	28%	25%	24%	22%	28%
	Limited driving range	17%	12%	21%	17%	18%	16%	13%	23%	18%	16%
	The cost of charging	8%	15%	5%	8%	3%	7%	9%	7%	6%	9%
	Performance or style	5%	6%	5%	4%	6%	7%	8%	1%	6%	4%
	Other	4%	4%	6%	4%	4%	3%	3%	7%	5%	4%
ſ	There are no obstacles to owning an electric vehicle OS Angeles Tin	7% 105	6%	9%	7%	5%	10%	9%	3%	8%	6%
		44/AP									

Obstacles to Owning an Electric Vehicle

Obstacles to Owning an Electric Vehicle – By Politics and Climate Change Opinions



LAT7: What do you think would be the biggest obstacle to owning an electric vehicle?

Base: All respondents (n = 1005)

Los Angeles Times

				(101	, 11–1003)			
	TOTAL USA	Climate Change is the Result of Humans	Climate Change has Natural Causes	Climate Change does not exist	Plan to Vote Democratic	Plan to Vote Republican	Plan to Vote Independe nt	l don't plan on voting
Weighted n=	1005	539	265	62	370	335	149	151
Unweighted n=	1005	552	266	55	388	325	159	133
Cost to purchase or lease	33%	36%	32%	27%	36%	32%	29%	34%
Concerns over charging time or station availability	25%	28%	22%	21%	28%	23%	22%	27%
Limited driving range	17%	18%	18%	19%	15%	20%	16%	18%
The cost of charging	8%	6%	9%	10%	7%	8%	9%	6%
Performance or style	5%	6%	7%	3%	7%	4%	5%	1%
Other	4%	2%	8%	2%	3%	7%	5%	3%
There are no obstacles to owning an electric vehicle	7%	4%	5%	19%	4%	6%	14%	10%

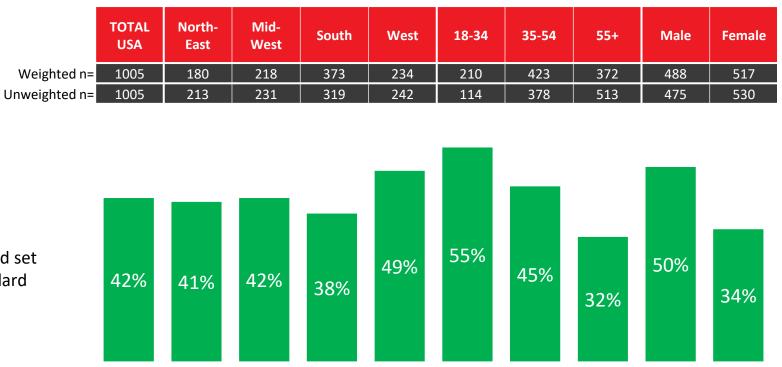
Obstacles to Owning an Electric Vehicle

Thoughts on California Setting Their Own Standard – By Demographics

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LAT11: California currently has the legal authority to set its own standards for vehicles. A group of state attorneys general have gone to court to try to end California's authority to do so. Do you think California should be allowed to set its own stand?

Base: All respondents (n=1,005)



Should California Be Allowed To Set Its Own Standards For Vehicles?

(Total, n=1005)

Yes - Thinks California should set their own standard

Governmental Incentives To Increase Use – By Demographics

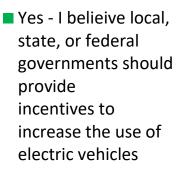
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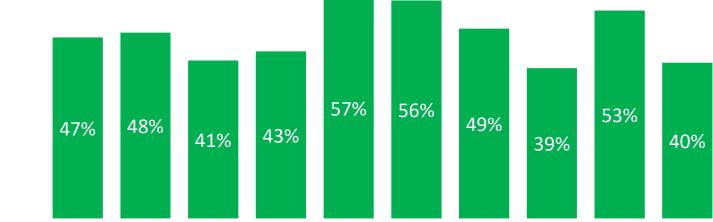
LAT14: Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles? Base: All respondents (n=1,005)

Do you believe local, state or federal governments should provide incentives to increase the use of electric vehicles?

(Total, n=1005)

	TOTAL USA	North- East	Mid- West	South	West	18-34	35-54	55+	Male	Female
Weighted n=	1005	180	218	373	234	210	423	372	488	517
Unweighted n=	1005	213	231	319	242	114	378	513	475	530







DETAILED METHODOLOGY

Weighted and Unweighted Sample for The United States

The following tables present the demographic distribution of respondents according to gender, age, and region for The United States.

GENDER	Unweighted	Weighted
Male	475	488
Female	530	517

AGE	Unweighted	Weighted
Between 18 and 29	57	105
Between 30 and 39	161	289
Between 40 and 49	209	187
Between 50 and 64	310	251
65 or older	268	173

US REGION	Unweighted	Weighted
North East	213	180
Mid West	231	218
South	319	373
West	242	234



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OMNIBUS TYPE	n=	REGIONS
NATIONAL	1,500	CANADA
PROVINCIAL	1,000	QC, ON, AB, BC
	500	QC, MTL, TOR, CAL, EDM, VAN
WESTERN	1,500	BC, AB, SK, MB
AMERICAN	1,000	4 CENSUS REGIONS

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Los Angeles Times

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