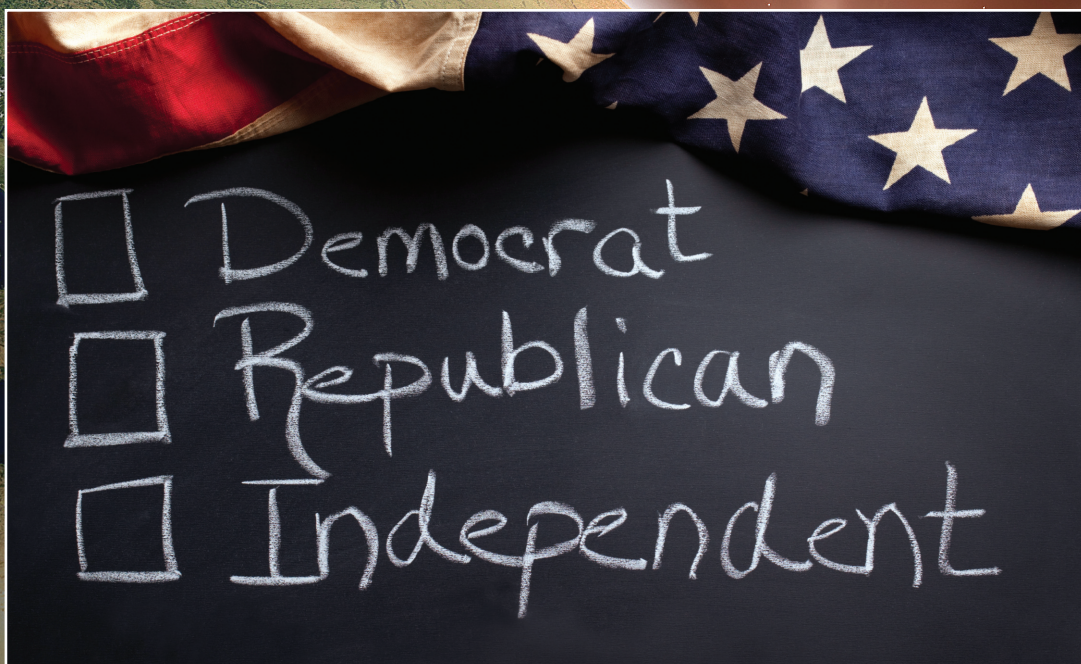


POLITICS & GLOBAL WARMING

December 2018



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

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Introduction

This report is based on findings from a nationally representative survey – *Climate Change in the American Mind* – conducted by the [Yale Program on Climate Change Communication \(climatecommunication.yale.edu\)](http://climatecommunication.yale.edu) and the [George Mason University Center for Climate Change Communication \(climatechangecommunication.org\)](http://climatechangecommunication.org). Interview dates: November 28 – December 11, 2018. Interviews: 1,114 adults (18+), 966 of whom are registered to vote. Average margin of error for both the full sample and registered voter subset: +/- 3 percentage points at the 95% confidence level. The research was funded by the 11th Hour Project, the Endeavor Foundation, the Energy Foundation, the Grantham Foundation, and the MacArthur Foundation.

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Reading notes

- This report includes only registered voters.
- References to Republicans and Democrats throughout include respondents who initially identify as either a Republican or Democrat, as well as those who do not initially identify as Republicans or Democrats but who say they "are closer to" one party or the other (i.e., "leaners") in a follow-up question. The category "Independents" does not include any of these "leaners."
- In all tables and charts, bases specified are unweighted, but percentages are weighted.
- Weighted percentages among registered voters of each of the groups discussed in this report:
 - Democrats (total) including leaners: 48%
 - Liberal Democrats: 29%
 - Moderate/Conservative Democrats: 19%
 - (Moderate Democrats: 18%; Conservative Democrats: 1%)
 - Independents excluding leaners: 10%
 - Republicans (total) including leaners: 36%
 - Liberal/Moderate Republicans: 12%
 - (Liberal Republicans: 1%; Moderate Republicans: 11%)
 - Conservative Republicans: 23%
 - No party/Not interested in politics/Refused: 6% (included in results reported for "All Registered Voters" only)
- For tabulation purposes, percentage points are rounded to the nearest whole number. As a result, percentages in a given chart may total slightly higher or lower than 100%. Summed response categories (e.g., "strongly support" + "somewhat support") are rounded after sums are calculated (e.g., 1.3% + 1.3% = 2.6%, which, after rounding, would be reported as 1% + 1% = 3%).
- In the appendix data tables, note that: -- denotes that there were no responses in that cell, whereas * denotes that the value is > 0 but < 0.5.

Executive Summary

Drawing on a nationally representative survey ($N = 1,114$; including 966 registered voters), this report describes how Democratic, Independent, and Republican registered voters view global warming, climate and energy policies, and personal and collective action. Among other important findings, this survey documents an increase in Republican understanding of the reality of human-caused global warming, worry about the threat, and support for several climate policies over the past 14 months.

Global Warming Beliefs and Attitudes

- Most registered voters (74%) think global warming is happening, including 98% of liberal Democrats, 85% of moderate/conservative Democrats and 70% of liberal/moderate Republicans. Only 42% of conservative Republicans think global warming is happening, but that reflects an increase of five percentage points since October 2017.
- A majority of registered voters (62%) think global warming is caused mostly by human activities, the highest percentage since our surveys began in 2008 and eight percentage points higher than in October 2017. This includes 90% of liberal Democrats, 66% of moderate/conservative Democrats, and 53% of liberal/moderate Republicans, but only 28% of conservative Republicans.
- Two in three registered voters (67%) are worried about global warming, including 85% of liberal Democrats, 80% of moderate/conservative Democrats, and 54% of liberal/moderate Republicans. Only one in three conservative Republicans (32%) are worried, although that is a nine-point increase since October 2017 and the highest percentage since our surveys began in 2008

Global Warming and Energy Policies

Large majorities of registered voters across the political spectrum support policies that reduce carbon pollution and dependence on fossil fuels and promote clean energy. These include:

- **The Green New Deal.** Described as: “Producing jobs and strengthening America’s economy by accelerating the transition from fossil fuels to clean, renewable energy...generating 100% of the nation’s electricity from clean, renewable sources within the next 10 years; upgrading the nation’s energy grid, buildings, and transportation infrastructure; increasing energy efficiency; investing in green technology research and development; and providing training for jobs in the new green economy” (81% of registered voters, 92% of Democrats, 88% of Independents, and 64% of Republicans).
- **The Clean Power Plan.** Described as: “Setting strict carbon dioxide emission limits on existing coal-fired power plants to reduce global warming and improve public health, even if the cost of electricity to consumers and companies would likely increase” (71% of registered voters, 86% of Democrats, 77% of Independents, and 48% of Republicans).
- **A Revenue-Neutral Carbon Tax.** Described as: “Requiring fossil fuel companies to pay a carbon tax and using the money to reduce other taxes (such as income tax) by an equal amount (71% of registered voters, 85% of Democrats, 71% of Independents, and 49% of Republicans).

- **Fee and Dividend.** Described as: “Requiring fossil fuel companies to pay a fee on carbon pollution, and distributing the money collected to all U.S. citizens, in equal amounts, through monthly dividend checks” (63% of registered voters, 78% of Democrats, 66% of Independents, and 39% of Republicans).

Large majorities of registered voters also support:

- Funding more research into renewable energy sources such as solar and wind power (88% of registered voters, 95% of Democrats, 84% of Independents, and 81% of Republicans).
- Providing tax rebates to people who purchase energy-efficient vehicles or solar panels (85% of registered voters, 95% of Democrats, 85% of Independents, and 71% of Republicans).
- Regulating carbon dioxide as a pollutant (79% of registered voters, 93% of Democrats, 81% of Independents, and 60% of Republicans).

Fewer registered voters support policies to increase fossil-fuel production:

- About half of registered voters support expanding drilling for oil and natural gas off the U.S. coast (48% of registered voters, 30% of Democrats, 49% of Independents, and 72% of Republicans).
- Only about one in three registered voters support drilling for oil in Alaska's Arctic National Wildlife Refuge (32% of registered voters, 18% of Democrats, 33% of Independents, and 53% of Republicans).

Acting on Global Warming

- Across party lines, a majority of registered voters say corporations and industry should do more to address global warming (75% of registered voters; 91% of Democrats, 72% of Independents, and 53% of Republicans).
- At least half of registered voters – including Democrats, Independents, and liberal/moderate Republicans, but not conservative Republicans – think citizens, the U.S. Congress, their own member of Congress, their local government officials, and/or their governor should do more to address global warming. Majorities of Democrats and Independents think President Trump should do more.
- A majority of registered voters (57%) think global warming should be a high or very high priority for the president and Congress, including a majority of Democrats (84%), but fewer Independents (41%) and Republicans (24%).
- A strong majority of registered voters (69%) think the United States should reduce its greenhouse gas emissions, regardless of what other countries do. Majorities of liberal Democrats (92%), moderate/conservative Democrats (76%), and liberal/moderate Republicans (55%) take this position, as well as 45% of conservative Republicans.

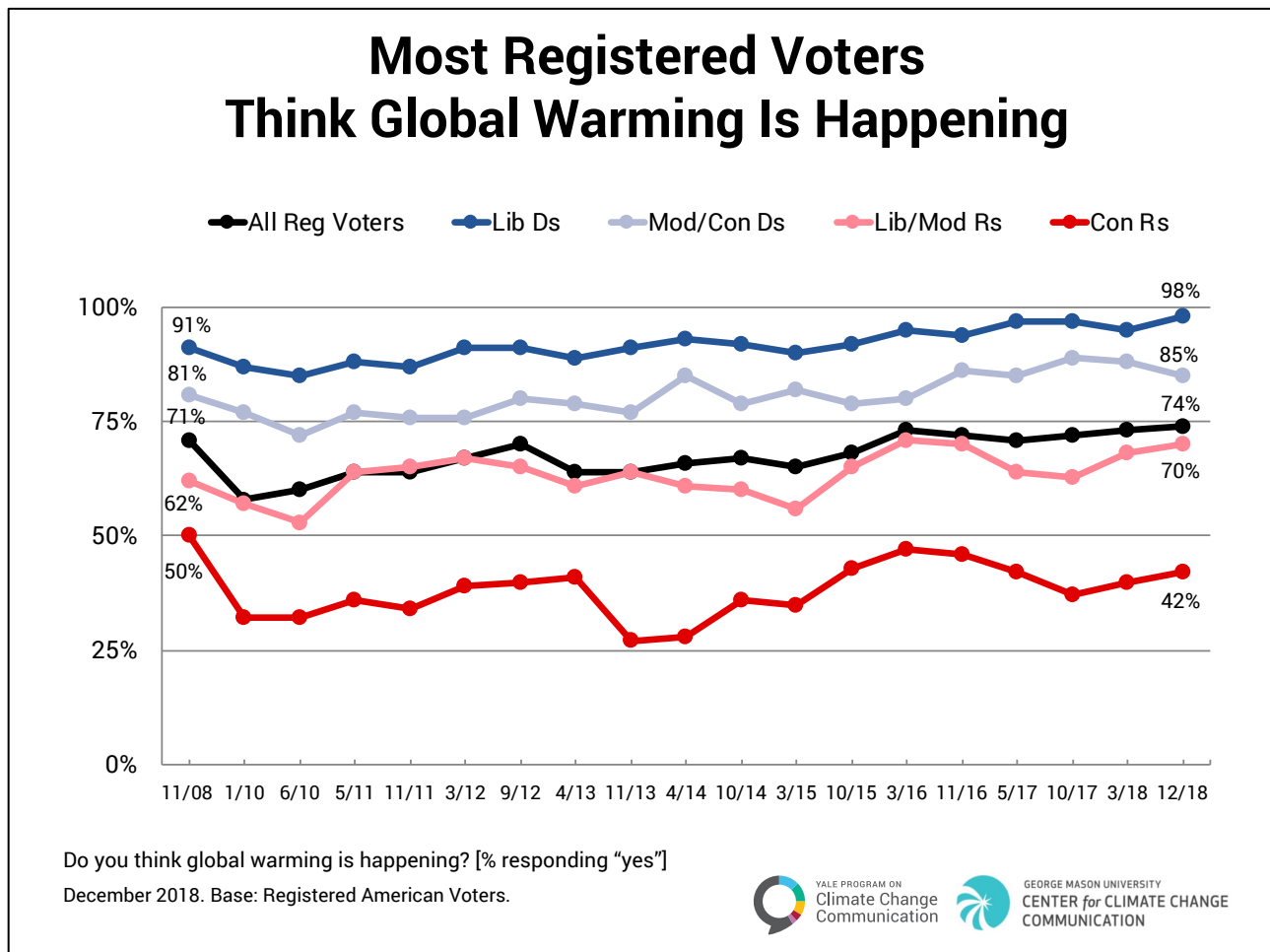
Individual and Collective Action

- About half of registered voters are confident that people working together can influence what local decision-makers do about global warming (local businesses, 51%; local government, 50%). Fewer think that people can influence what state government (46%) or national decision-makers (corporations, 39%; federal government, 38%) do about global warming.
- At least one in three registered voters say that they would participate in an organized effort to address global warming, including: donating money to an organization working on global warming (39%), contacting a government official about global warming (38%), volunteering for an organization working on global warming (35%), and/or meeting with an elected official or their staff about global warming (32%).
- About one in three registered voters (36%) are currently participating (2%), definitely would participate (11%), or probably would participate (24%) in a campaign to convince elected officials to take action to reduce global warming (totals of 57% of Democrats but only 25% of Independents and 13% of Republicans).
- However, relatively few registered voters (13%) say they have actually contacted an elected official during the past 12 months to urge them to take action to reduce global warming, including one in four liberal Democrats (26%).

1. The Politics of Global Warming Beliefs

1.1. Most registered voters think global warming is happening.

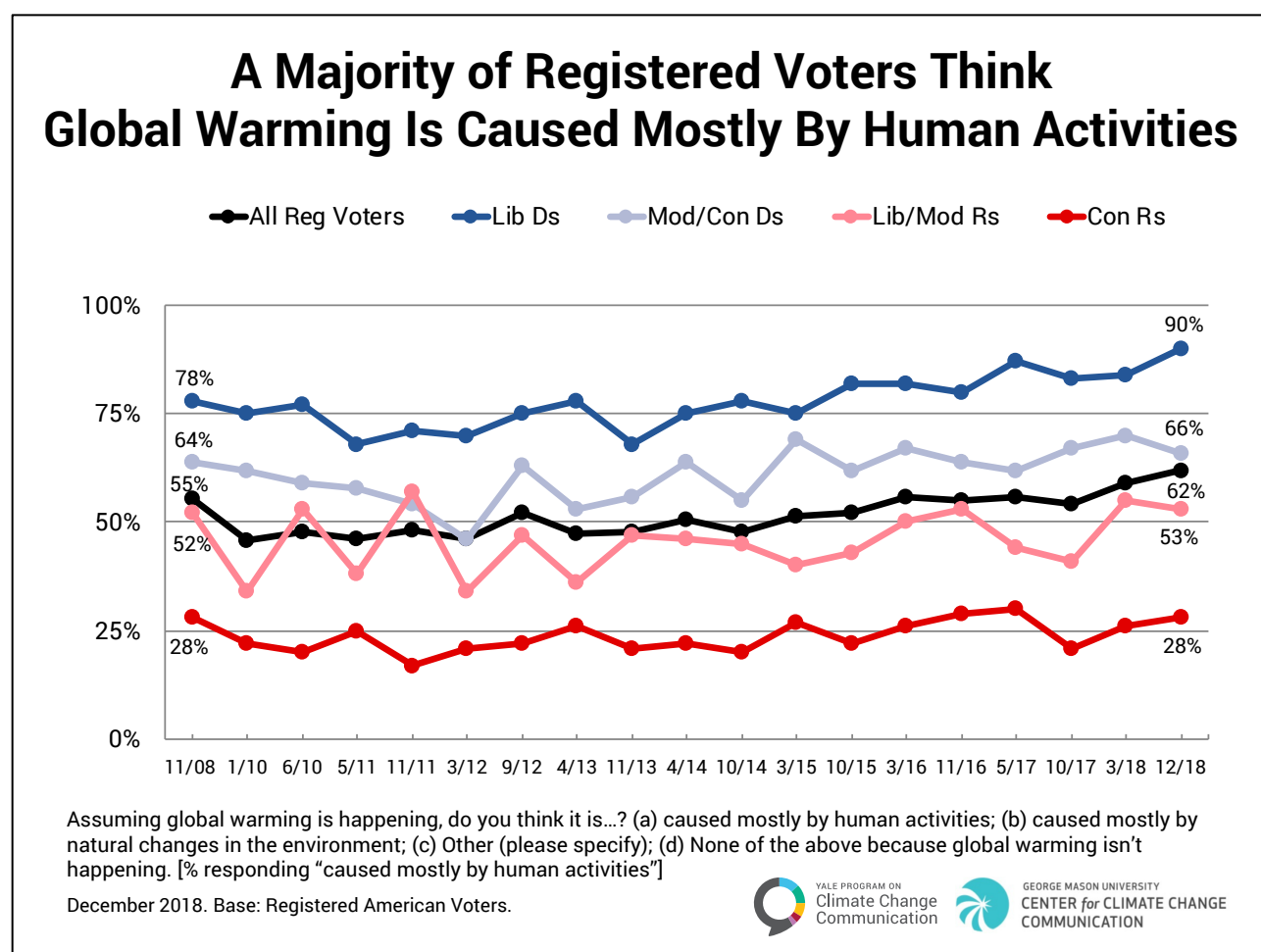
Nearly three in four registered voters (74%) think global warming is happening. This includes nearly all liberal Democrats (98%), a large majority of moderate/conservative Democrats (85%), and most liberal/moderate Republicans (70%, an increase of 7 percentage points since October 2017; see Table, pp. 23–24). In contrast, fewer than half of conservative Republicans (42%, +5 percentage points since October 2017) think global warming is happening. Much of the recent upward trend in Americans' belief that global warming is happening is due to an upward shift among Republicans.



1.2. A majority of registered voters think global warming is caused by human activities.

About six in ten registered voters (62%) think global warming is caused mostly by human activities, the highest percentage since our surveys began in 2008 and eight percentage points higher than in October 2017 (see Table, pp. 25-28). This includes nine in ten liberal Democrats (90%; +7 percentage points since October 2017), and two in three moderate/conservative Democrats (66%).

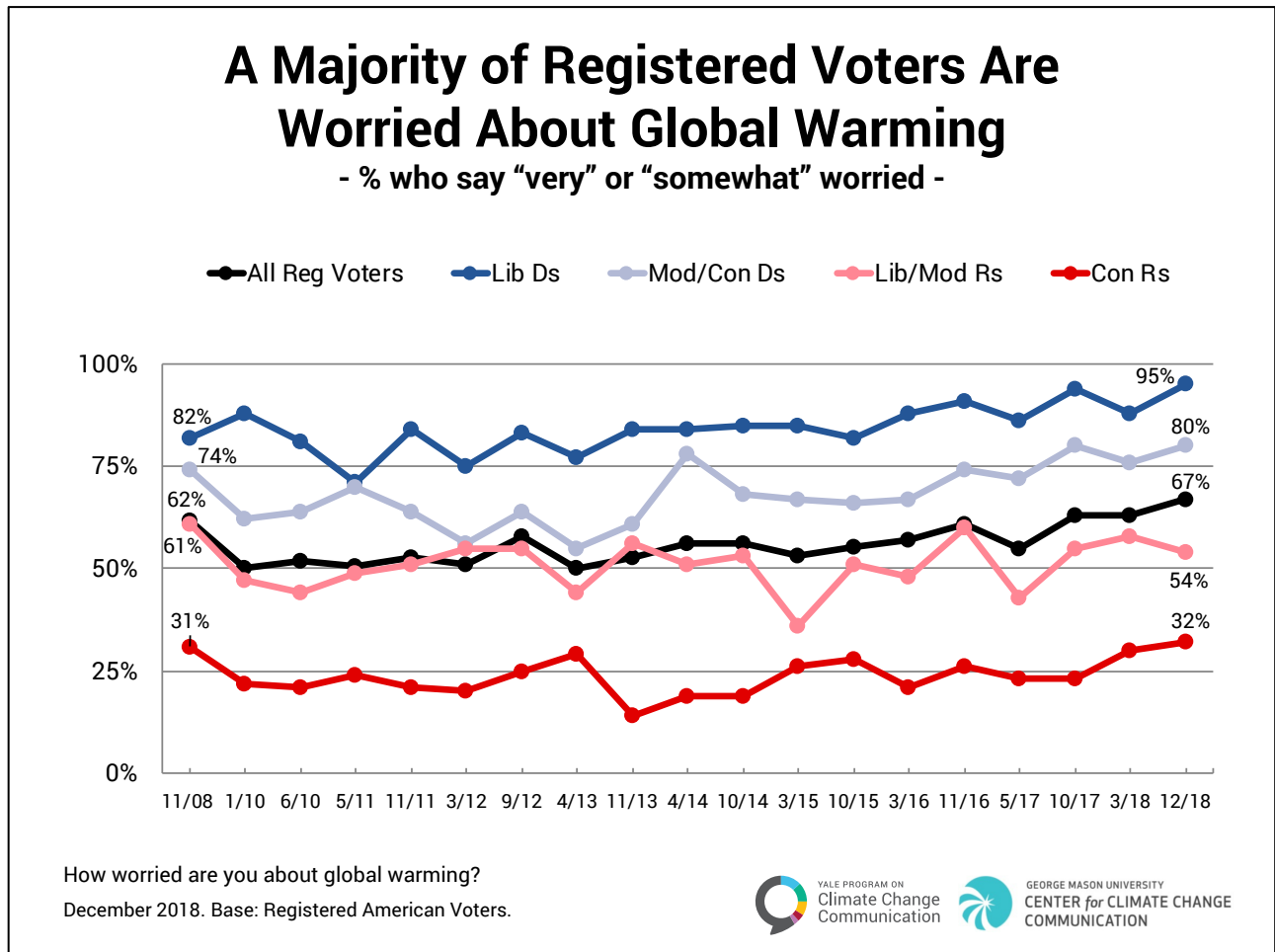
About half of liberal/moderate Republicans (53%) think global warming is caused mostly by human activities, an increase of 12 percentage points since October 2017. Only about one in four conservative Republicans (28%) think global warming is mostly human-caused, but that is a seven-point increase since October 2017.



1.3. A majority of registered voters are worried about global warming.

Two in three registered voters (67%) are "very" or "somewhat" worried about global warming, the highest percentage since our surveys began in 2008. This includes large majorities of liberal Democrats (95%) and moderate/conservative Democrats (80%).

About half of liberal/moderate Republicans (54%) are worried about global warming. Only one in three conservative Republicans (32%) are worried, although that is a nine-point increase since October 2017 and the highest percentage since our surveys began in 2008 (see Table, pp. 29-30).

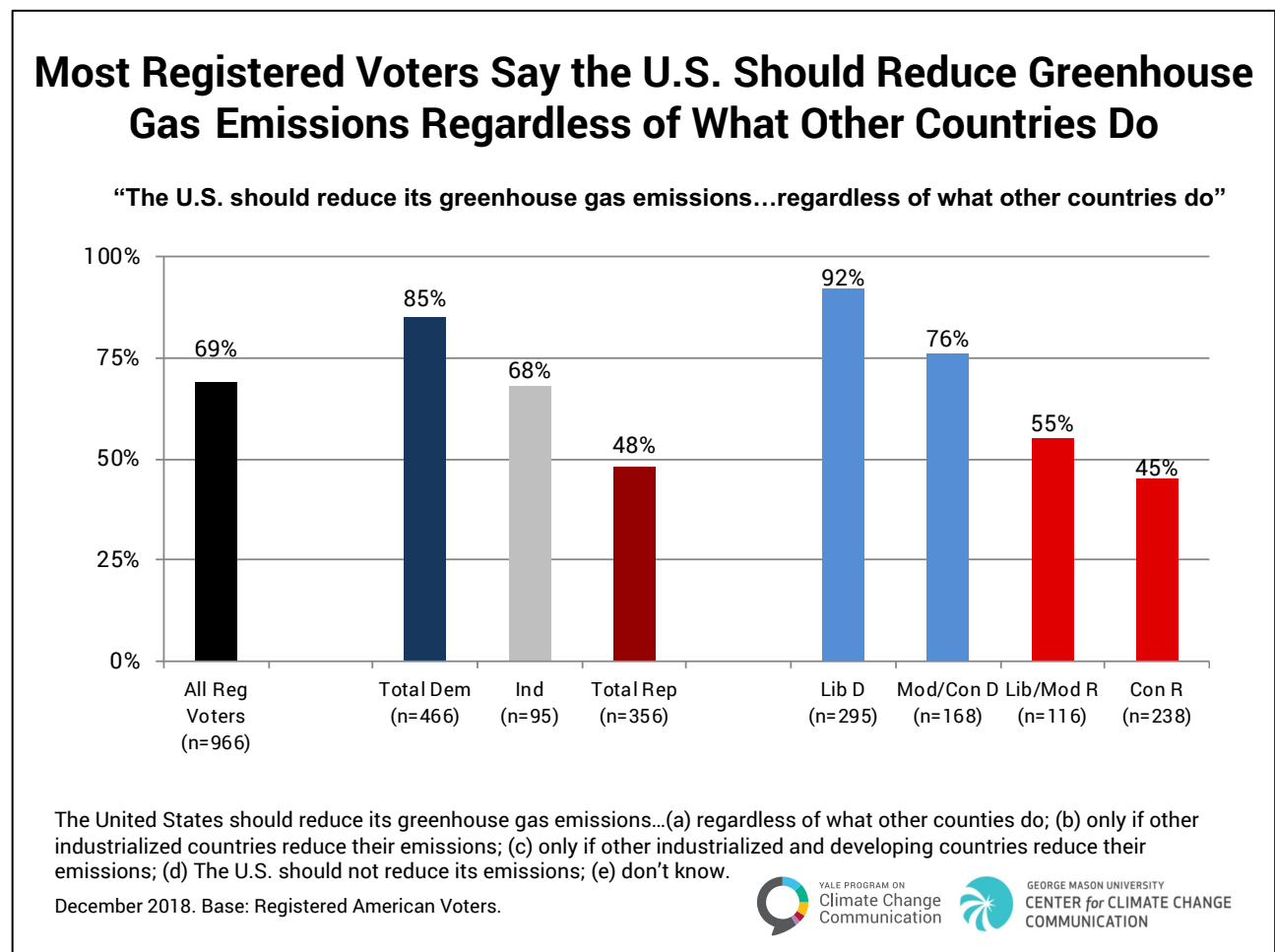


2. Should the United States Act on Global Warming?

2.1. Most registered voters say the United States should reduce greenhouse gas emissions, regardless of what other countries do.

Most registered voters think the United States should reduce its greenhouse gas emissions, regardless of what other countries do (69%). Majorities of liberal Democrats (92%), moderate/conservative Democrats (76%), and liberal/moderate Republicans (55%) take this position, as do 45% of conservative Republicans.

Only 5% of registered voters (including 2% of Democrats and 3% of Independents, but 11% of Republicans) say the United States should *not* reduce its emissions (see Table, p. 31).

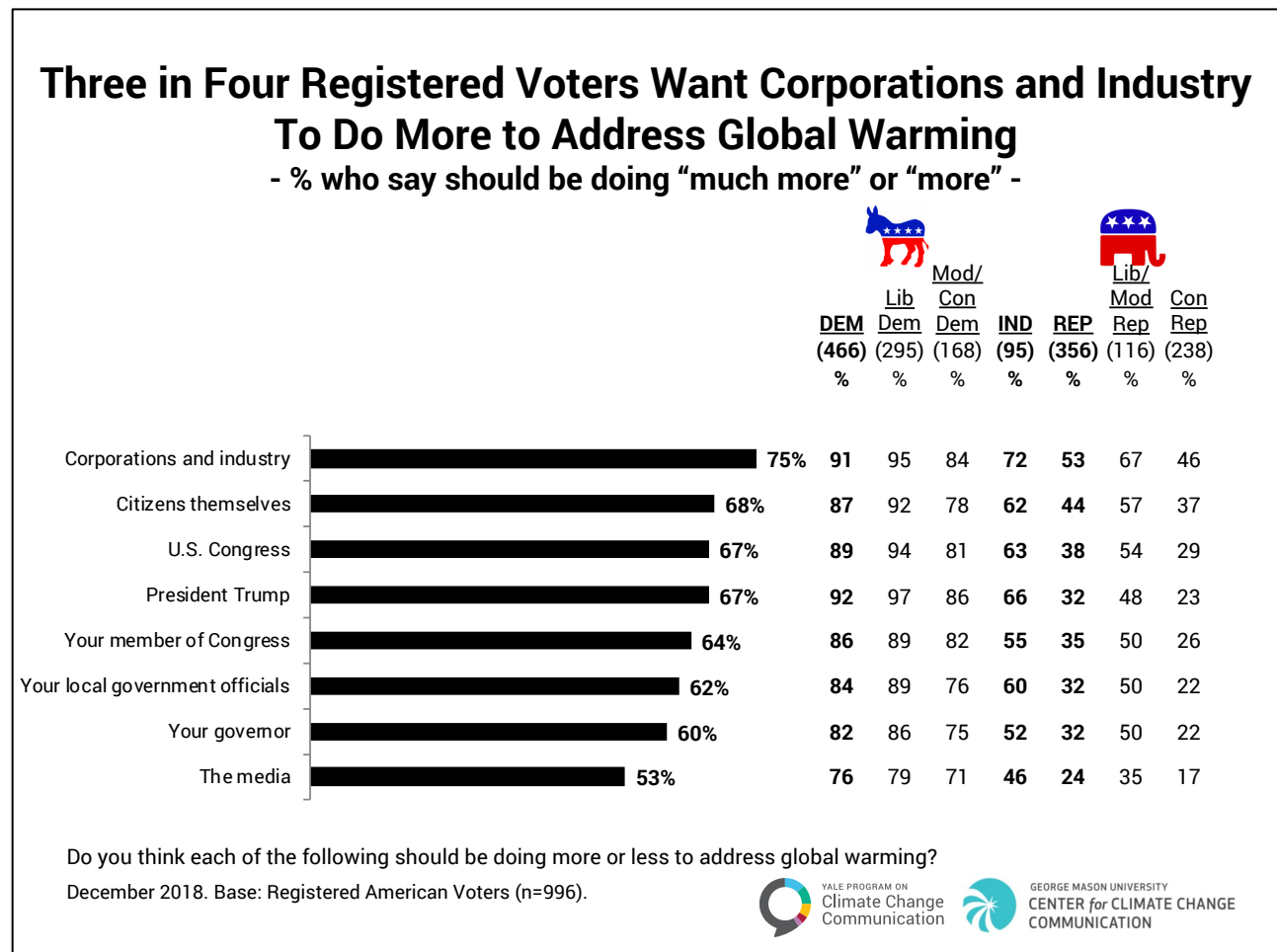


3. Who is Responsible for Action on Global Warming?

3.1. Three in four registered voters want corporations and industry to do more to address global warming. Voters also want more action from citizens and government.

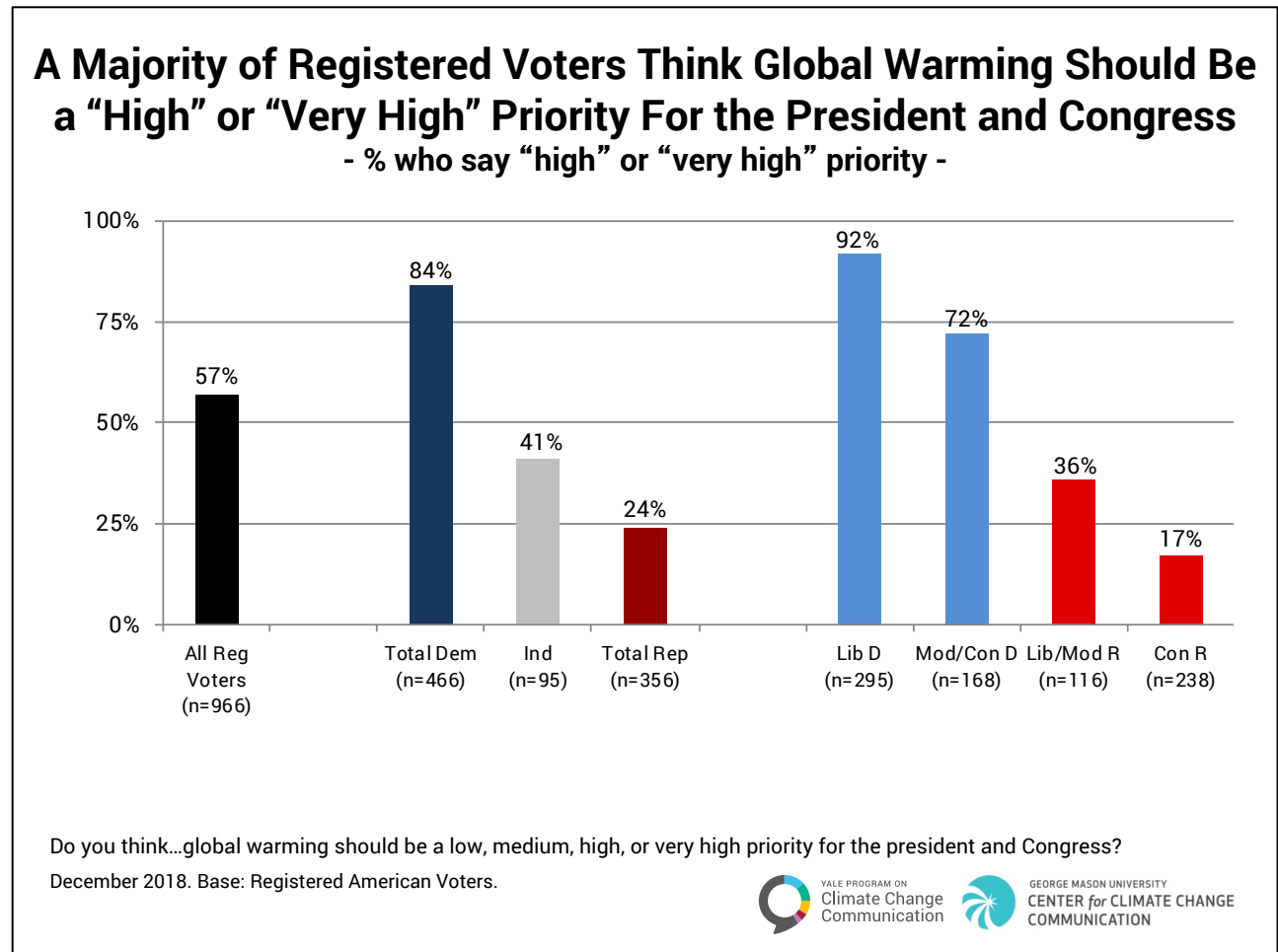
Across party lines, a majority of registered voters say corporations and industry should do more to address global warming (75% of all registered voters; 91% of Democrats, 72% of Independents, and 53% of Republicans).

Half or more of registered voters, including Democrats, Independents, and liberal/moderate Republicans, but not conservative Republicans, think citizens, the U.S. Congress, their own member of Congress, their local government officials and/or their governor should do more to address global warming. Half or more Democrats and Independents think President Trump and/or the media should do more.



3.2. A majority of registered voters think global warming should be a "high" or "very high" priority for the president and Congress.

A majority of registered voters (57%) think global warming should be a high or very high priority for the president and Congress, including more than eight in ten Democrats (84%), but only four in ten Independents (41%) and one in four Republicans (24%). Liberal Democrats are more than five times as likely as conservative Republicans to think global warming should be a priority (92% versus 17%, respectively).

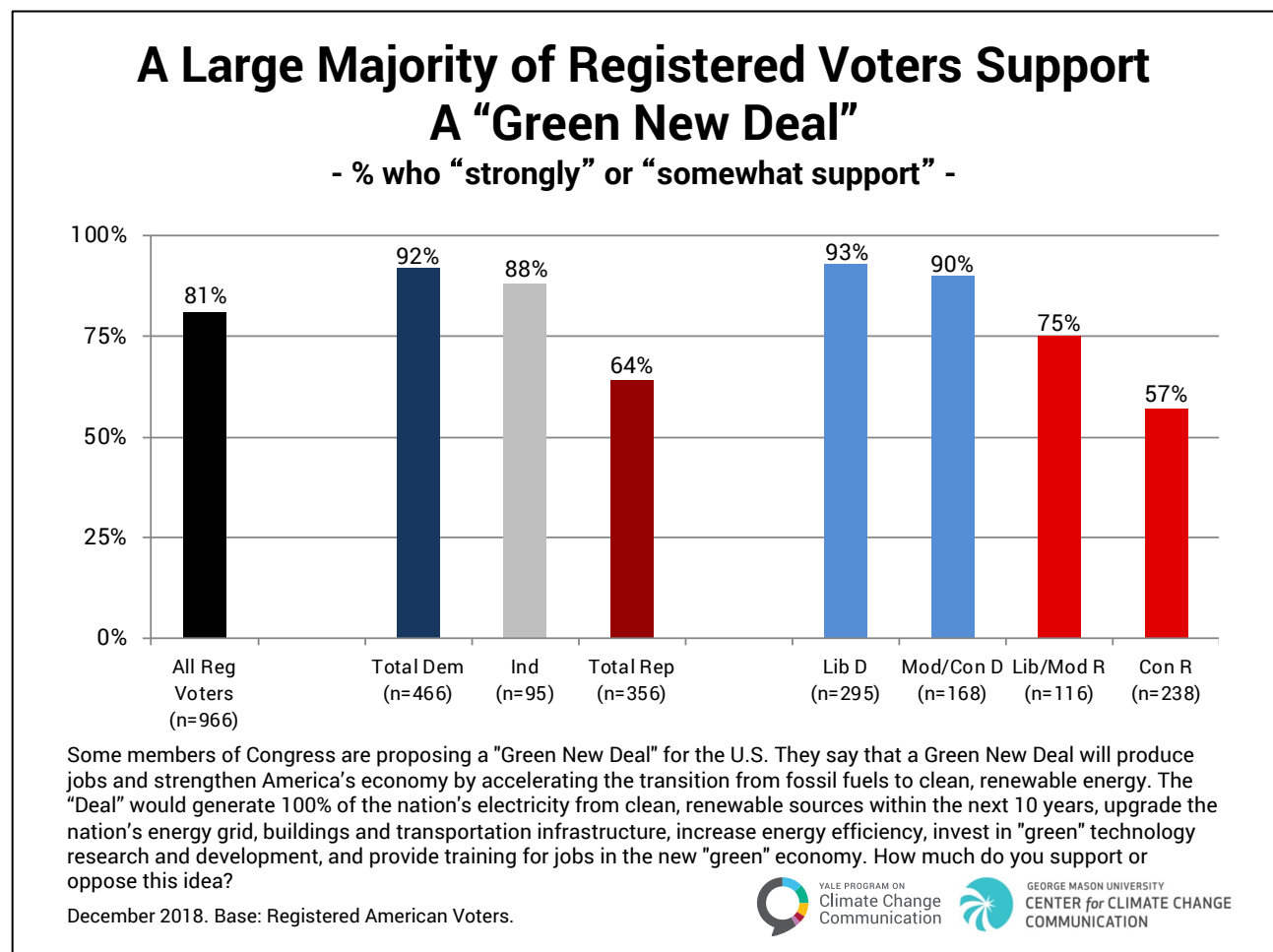


4. Support for Policies to Address the Pollution that Causes Global Warming

4.1. A large majority of registered voters support a "Green New Deal."

As we reported in [December](#), a large majority of registered voters support the policy priorities included in a proposal called the Green New Deal. The description of the policy was summarized based a 2018 policy report:¹ "the Green New Deal will produce jobs and strengthen America's economy by accelerating the transition from fossil fuels to clean, renewable energy. The Deal would generate 100% of the nation's electricity from clean, renewable sources within the next 10 years; upgrade the nation's energy grid, buildings, and transportation infrastructure; increase energy efficiency; invest in green technology research and development; and provide training for jobs in the new green economy."

Eight in ten (81%) registered voters support the Green New Deal as described above, including large majorities of Democrats (92%) and Independents (88%). A majority of Republicans (64%), including three in four liberal/moderate Republicans (75%) and more than half of conservative Republicans (57%) also support the Green New Deal.

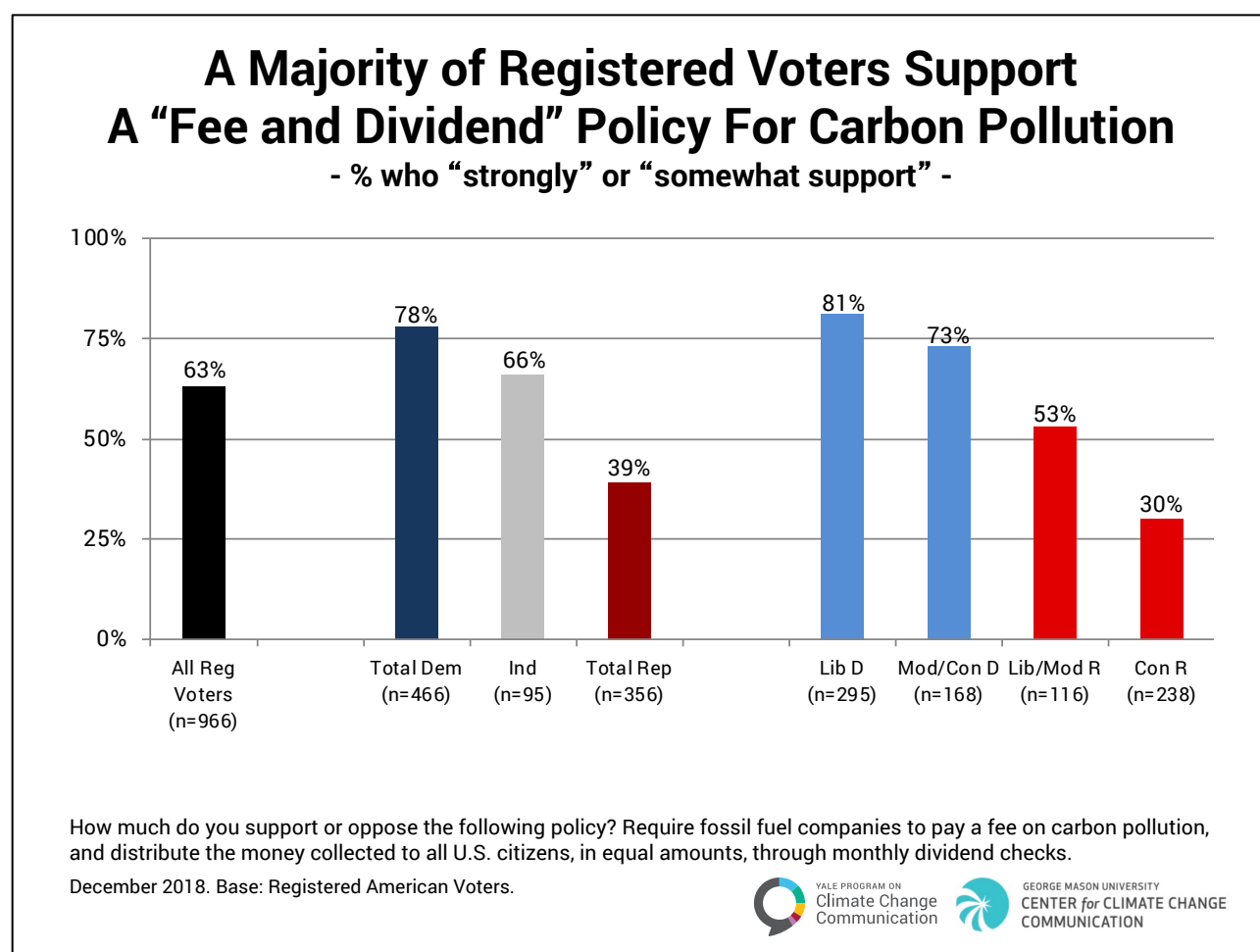


¹ <https://www.dataforprogress.org/green-new-deal/#introduction>

4.2. A majority of registered voters support a "Fee and Dividend" policy for carbon pollution.

Another policy for mitigating global warming that is currently under consideration is a "Fee and Dividend" policy² in which fossil fuel companies would pay a fee on the carbon pollution they produce, and all the money collected would be distributed to all U.S. citizens, in equal amounts, through monthly dividend checks.

Six in ten (63%) registered voters support a Fee and Dividend plan, including majorities of Democrats (78%) and Independents (66%). About four in ten Republicans (39%) support the plan, including half of liberal/moderate Republicans (53%) but only three in ten conservative Republicans (30%).

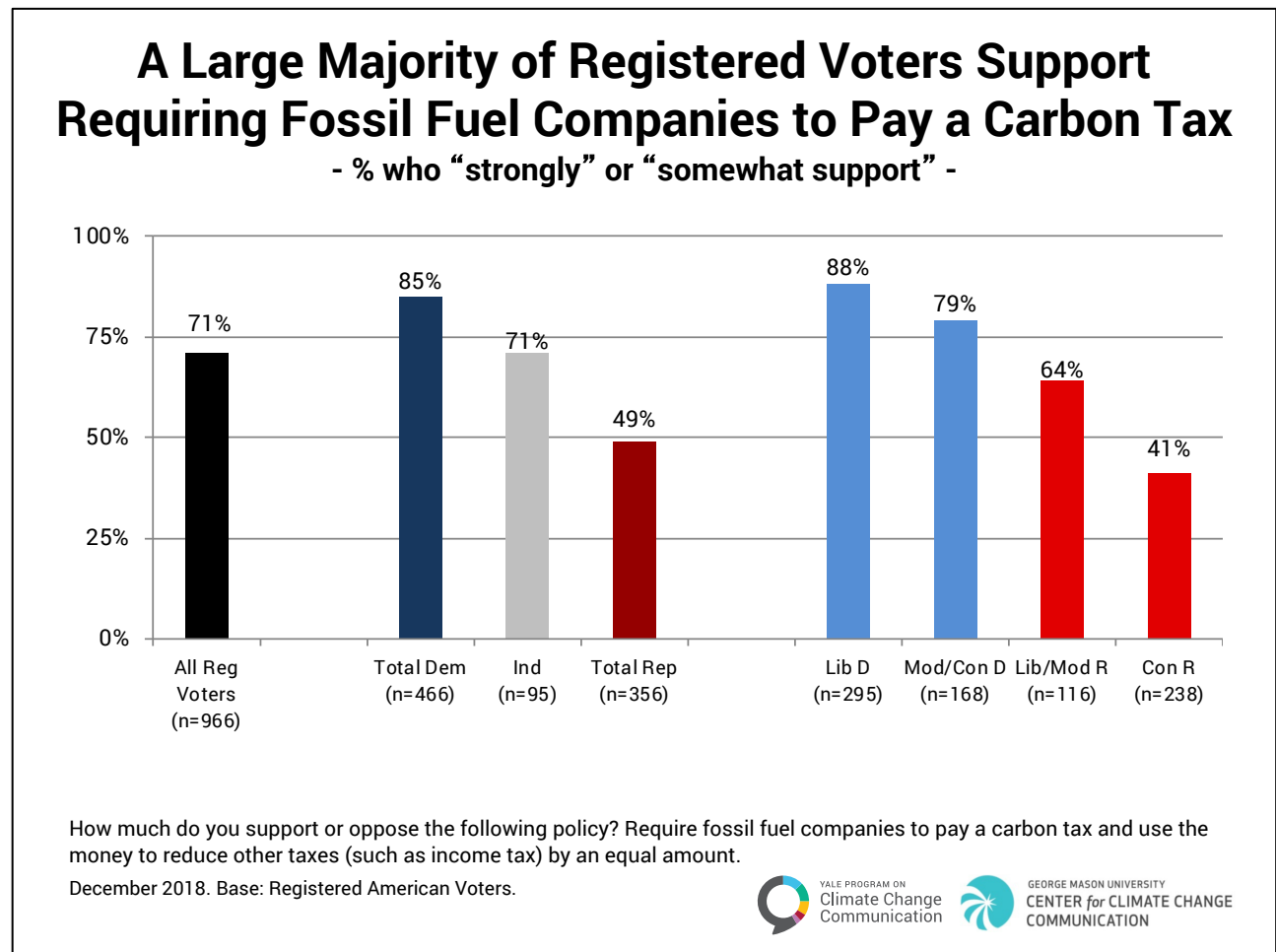


² <https://citizensclimatelobby.org/carbon-fee-and-dividend/>

4.3. A large majority of registered voters support requiring fossil fuel companies to pay a carbon tax.

A similar proposal would require fossil fuel companies to pay a "carbon tax," and would use the money to reduce other taxes by an equal amount. About seven in ten registered voters (71%) support this plan—often referred to as a "revenue neutral carbon tax."

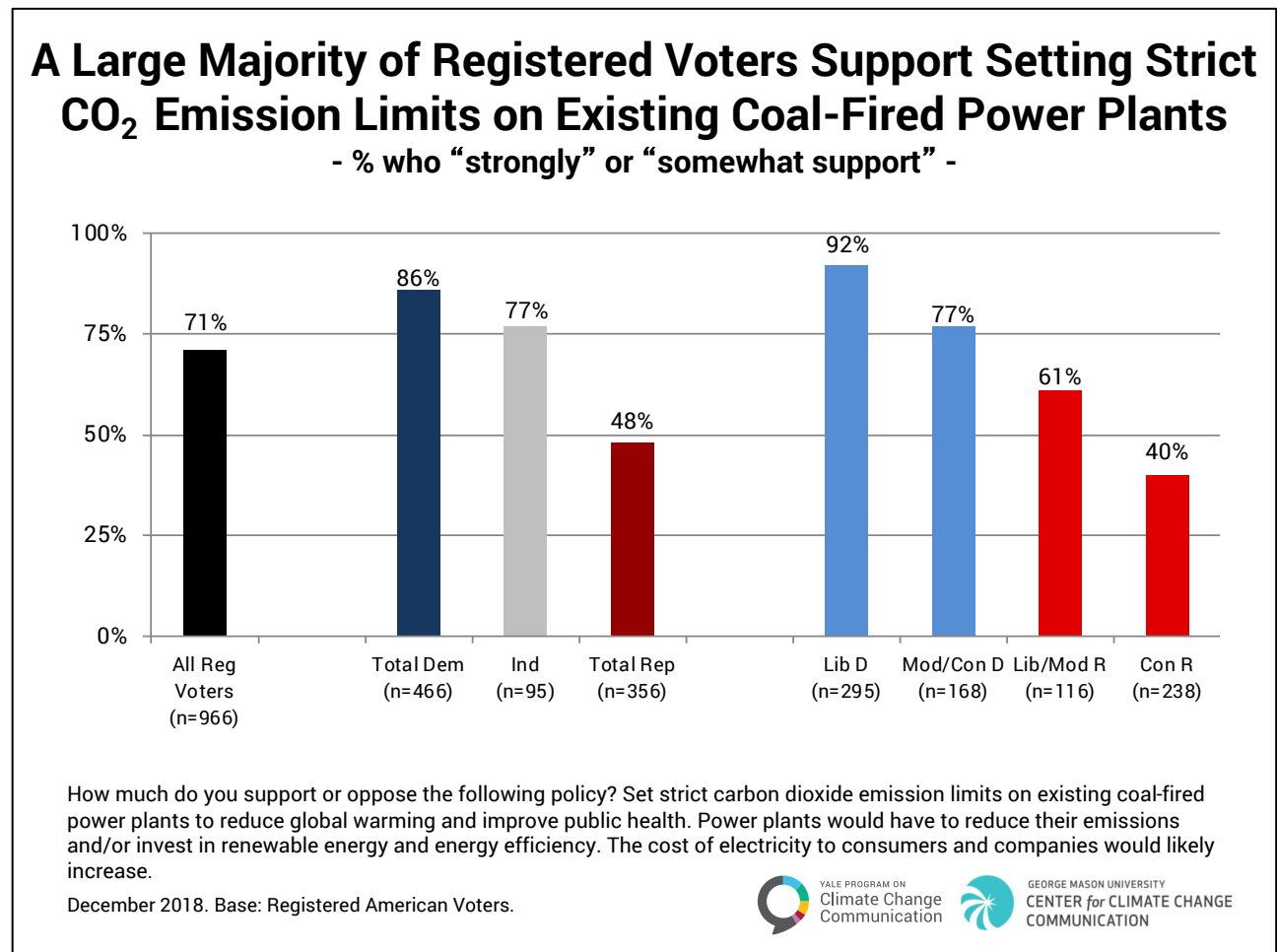
Large majorities of Democrats (85%) and Independents (71%) support requiring fossil fuel companies to pay a carbon tax. About half of Republicans (49%), including a majority of liberal/moderate Republicans (64%), but only four in ten conservative Republicans (41%), also support such a tax.



4.4. A large majority of registered voters support setting strict carbon dioxide emission limits on coal-fired power plants.

About seven in ten registered voters (71%) support setting strict carbon dioxide emission limits on existing coal-fired power plants (a major component of the Environmental Protection Agency's "Clean Power Plan") to reduce global warming and improve public health, even if the cost of electricity to consumers and companies would likely increase.

Large majorities of Democrats (86%) and Independents (77%) support setting strict limits on coal-fired power plants. About half of Republicans (48%), including a majority of liberal/moderate Republicans (61%), but only four in ten conservative Republicans (40%), also support such limits.



4.5. Registered voters support climate-friendly energy polices.



Registered voters support several climate-friendly energy policies, including many designed to reduce carbon pollution and dependence on fossil fuels, and to promote clean energy. Democrats are the most likely to support such policies, but majorities of Independents and Republicans do as well. Majorities across the political spectrum support:

- Funding more research into renewable energy sources: 88% of registered voters, 95% of Democrats, 84% of Independents, and 81% of Republicans.
- Providing tax rebates to people who purchase energy-efficient vehicles or solar panels: 85% of registered voters, 95% of Democrats, 85% of Independents, and 71% of Republicans.
- Regulating carbon dioxide as a pollutant: 79% of registered voters, 93% of Democrats, 81% of Independents, and 60% of Republicans.
- Requiring electric utilities to produce at least 20% of their electricity from renewable energy sources, even if it costs the average household an extra \$100 a year: 70% of registered voters, 87% of Democrats, 64% of Independents, but only about half (48%) of Republicans.

Majorities of conservative Republicans support three of these policies: funding more research into renewable energy (80%); providing tax rebates to people who purchase energy-efficient vehicles or solar panels (67%); and regulating carbon dioxide as a pollutant (56%).

Registered Voters Support Climate-Friendly Energy Policies								
- % who say “strongly” or “somewhat support” policy -								
(Unweighted base)	All Reg Voters	Democrats			Ind	Republicans		
		Total	Lib	Mod/Con		Total	Lib/Mod	Con
		(996)	(466)	(295)		(168)	(95)	(356)
	%	%	%	%	%	%	%	%
Fund more research into renewable energy sources such as solar and wind power	88	95	98	92	84	81	81	80
Provide tax rebates for people who purchase energy-efficient vehicles or solar panels	85	95	96	93	85	71	77	67
Regulate carbon dioxide (the primary greenhouse gas) as a pollutant	79	93	95	90	81	60	65	56
Require electric utilities to produce at least 20% of their electricity from...renewables, even if it costs the average household an extra \$100/year	70	87	92	80	64	48	57	42

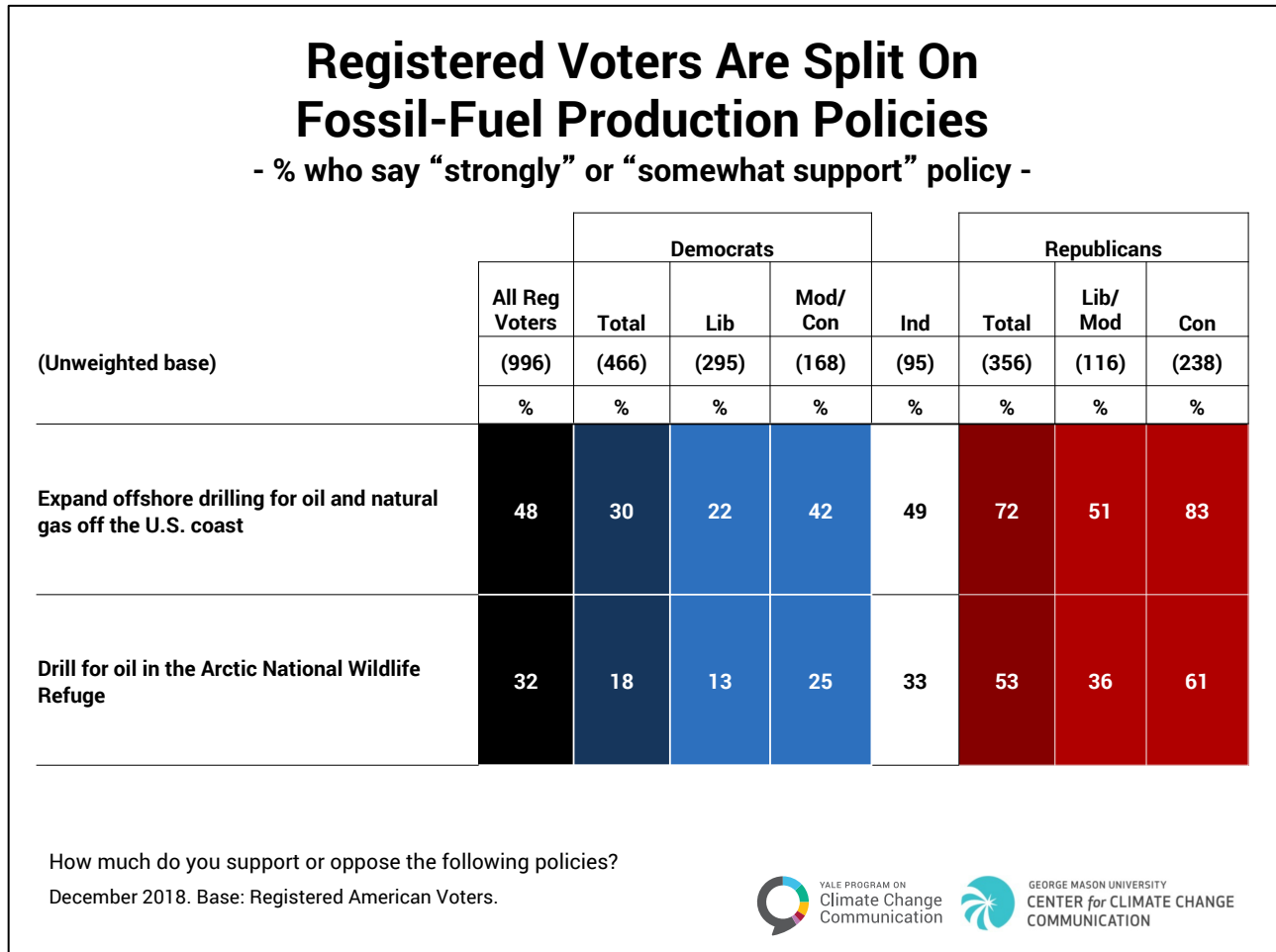
How much do you support or oppose the following policies?
December 2018. Base: Registered American Voters.

4.6. Registered voters are split on fossil-fuel production policies.

About half of registered voters (48%) support expanding offshore drilling for oil and natural gas off the U.S. coast, including 72% of Republicans, 49% of Independents, and 30% of Democrats.

By contrast, fewer registered voters (32%) support drilling for oil in Alaska's Arctic National Wildlife Refuge (ANWR), while a large majority (68%) oppose it (see Table, p. 39). About six in ten conservative Republicans (61%) support this policy, but liberal/moderate Republicans (36%), Independents (33%), and Democrats (18%) are much less likely to support oil drilling in ANWR.

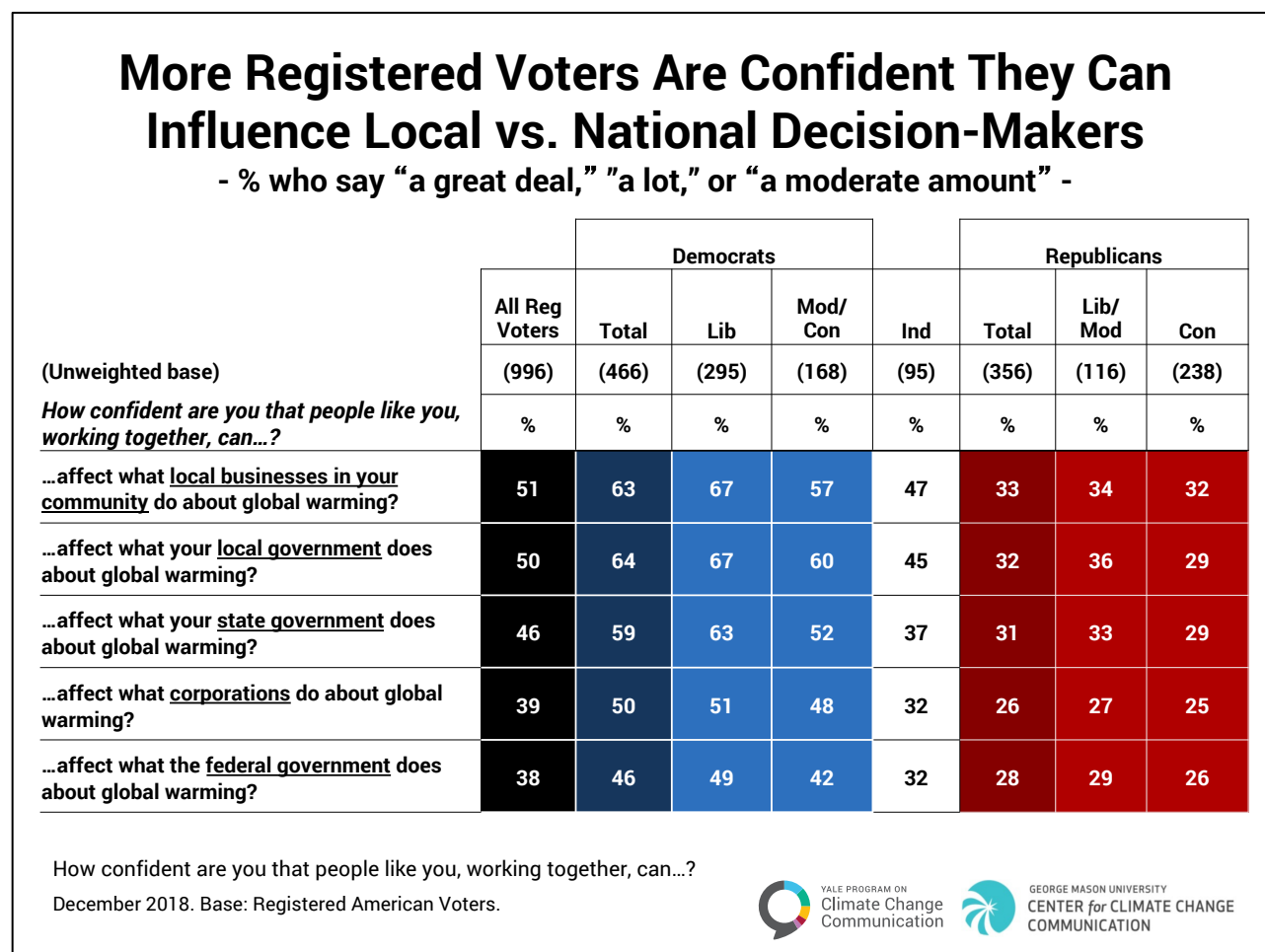


5. Individual and Collective Action to Reduce Global Warming

5.1. More registered voters are confident they can influence local vs. national decision-makers.

Perceptions of collective efficacy regarding global warming – the belief that like-minded citizens can work together to influence action on global warming – is an important motivator for individuals to take collective action.³ Half of registered voters are at least "moderately confident" that people like them, working together, can affect what local businesses (51%) and/or their local government (50%) do about global warming. Fewer are confident that people can affect what their state government (46%), corporations (39%), and/or the federal government (38%) do about global warming.

Democrats are more likely than Independents or Republicans to express confidence that people can affect what governments and businesses do about global warming.

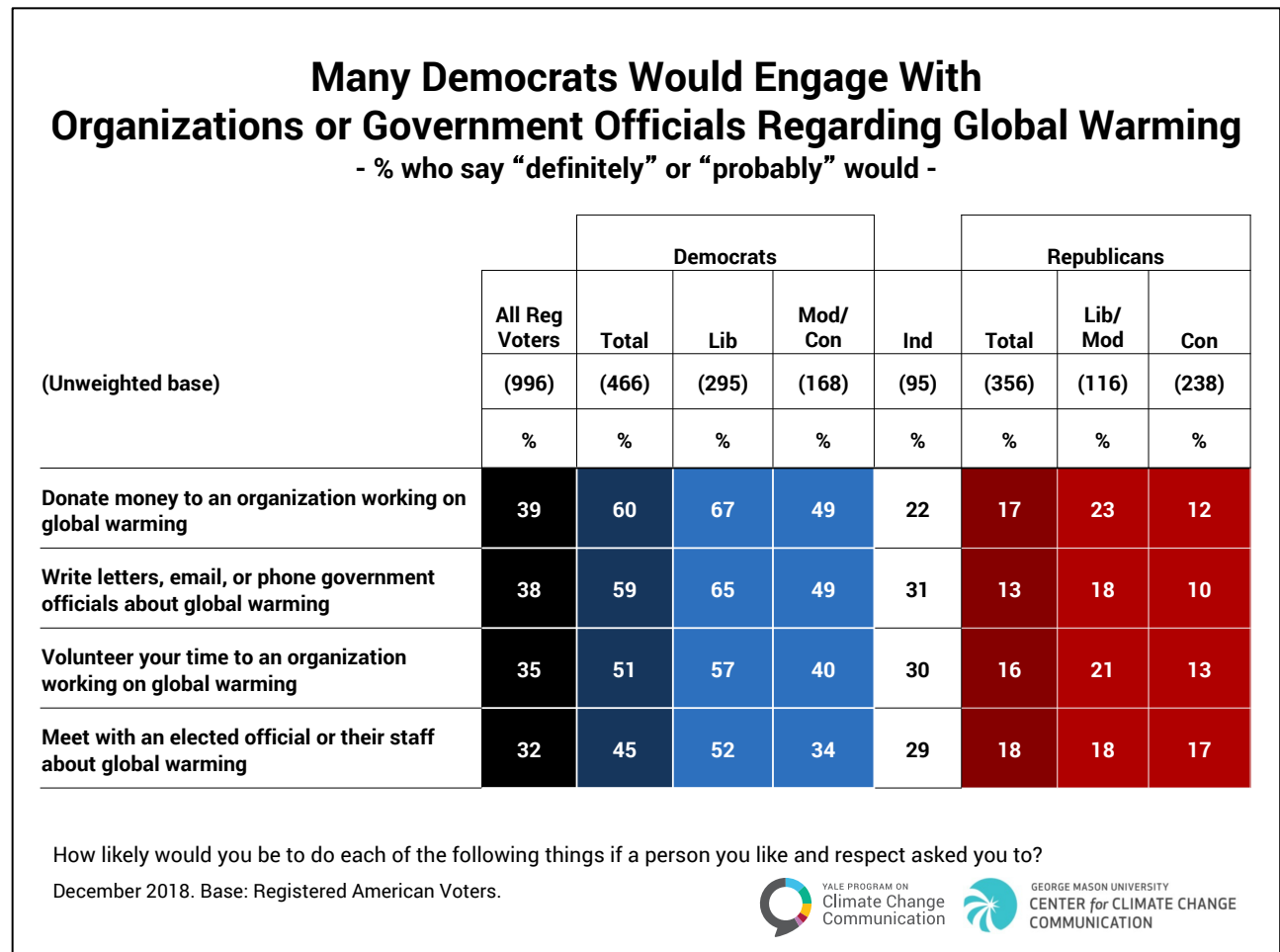


³ Bandura, A. (2000). Exercise of human agency through collective efficacy. *Current Directions in Psychological Science*, 9, 75-78. [doi:10.1111/1467-8721.00064](https://doi.org/10.1111/1467-8721.00064)

5.2. Many Democrats say they would engage with organizations and government officials regarding global warming.

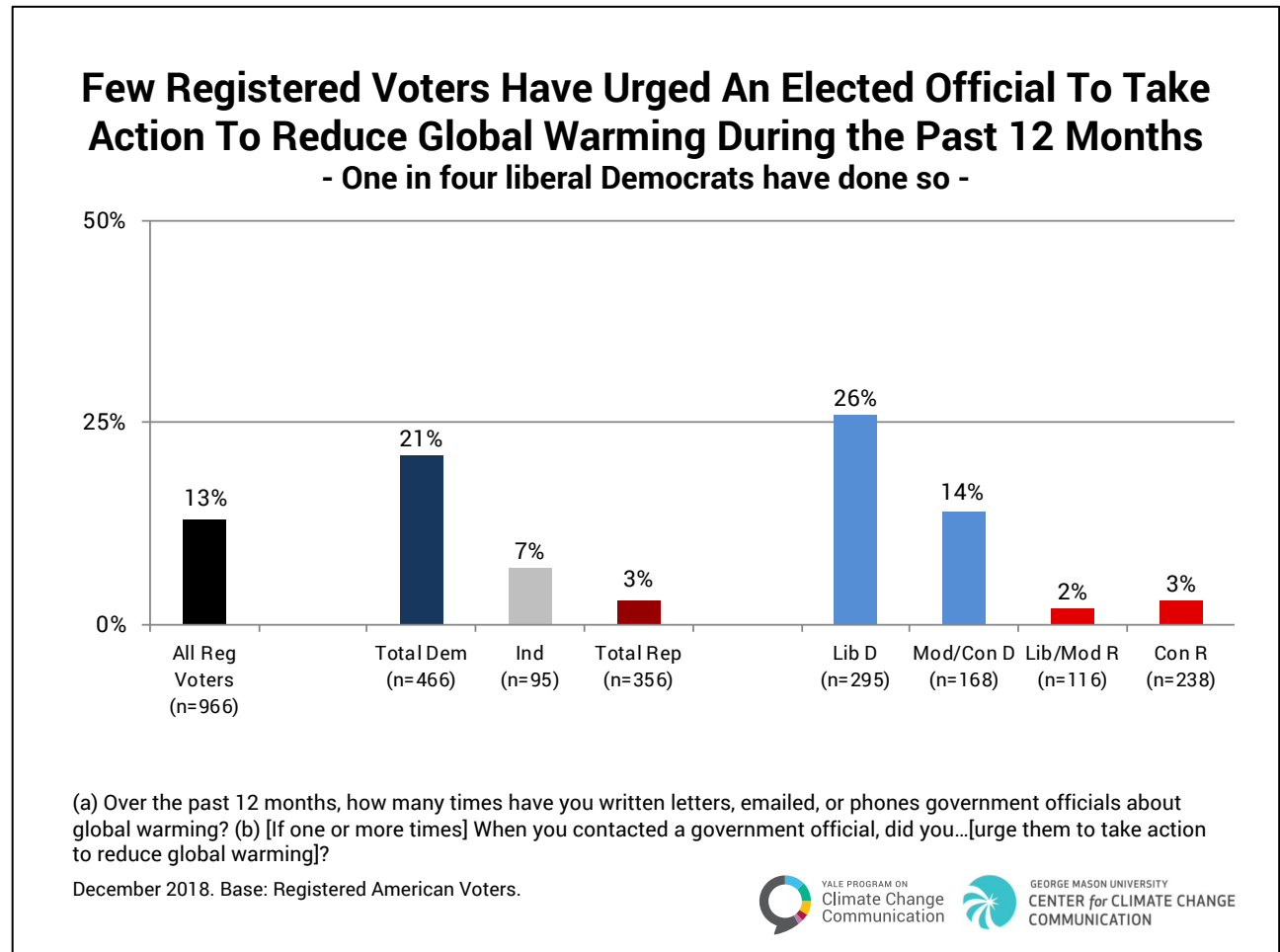
One in three or more registered voters say they would engage in organized efforts to address global warming, including donating money to an organization working on global warming (39%), writing letters, email, phoning government officials about global warming (38%), volunteering their time to an organization working on global warming (35%), or meeting with elected officials or their staff about global warming (32%).

Democrats are more likely than Independents and Republicans to say they would take these actions.



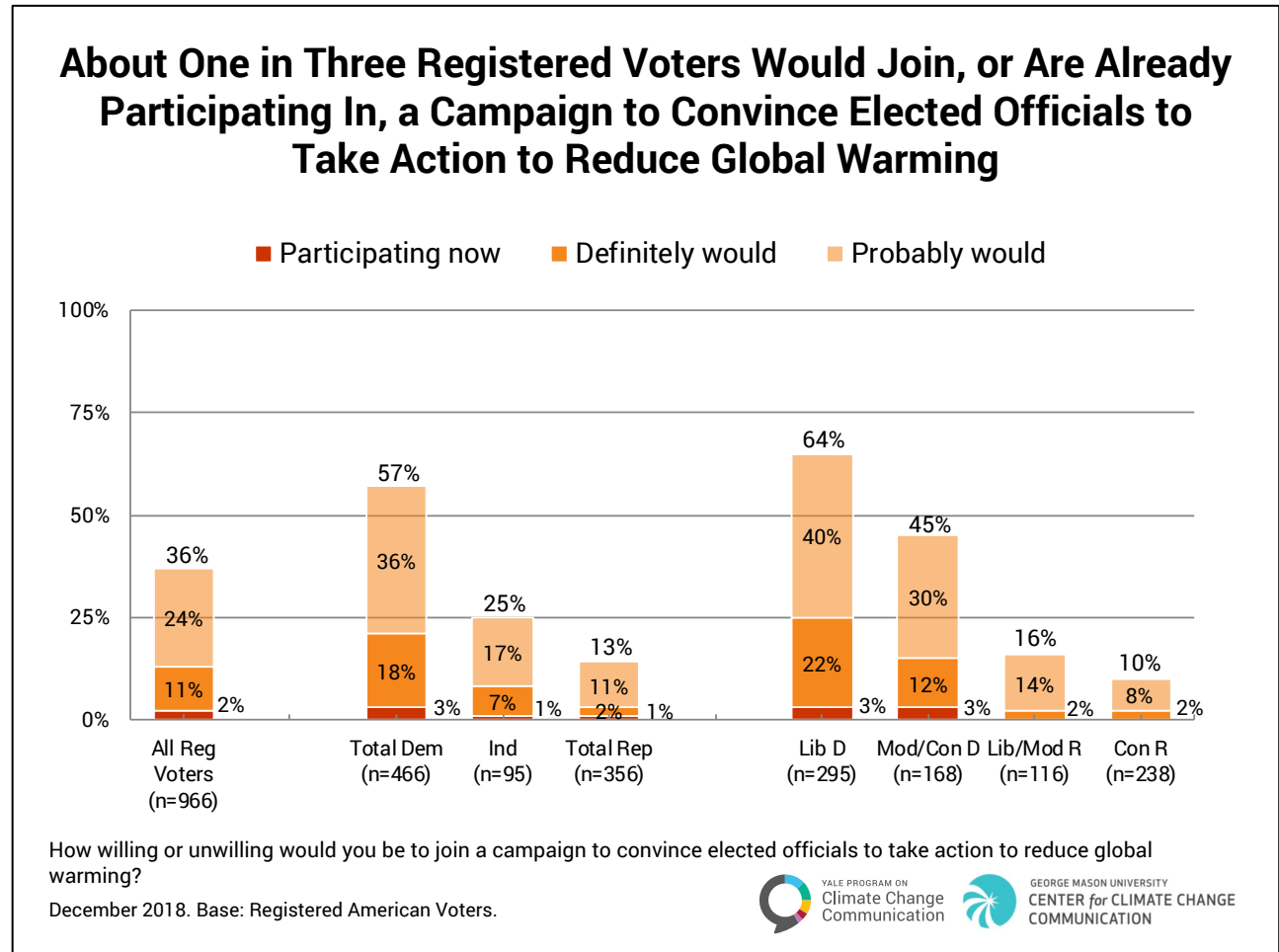
5.3. Few registered voters have urged an elected official to take action to reduce global warming during the past 12 months. One in four liberal Democrats have done so.

Only about one in eight registered voters (13%) say they have contacted an elected official during the past 12 months to urge them to take action to reduce global warming. However, 21% of Democrats, including 26% of liberal Democrats, and 14% of moderate/conservative Democrats say they have done so. Only 7% of Independents and 3% of Republicans say they have done so.



5.4. About one in three voters would join, or are already participating in, a campaign to convince elected officials to take action to reduce global warming.

About one in three registered voters (36%) are participating (2%), definitely would participate (11%), or probably would participate (24%) in a campaign to convince elected officials to take action to reduce global warming. This includes more than half (57%) of Democrats (64% of liberal Democrats and 45% of moderate/conservative Democrats), one in four Independents (25%), and 13% of Republicans (16% of liberal/moderate Republicans and 10% of conservative Republicans).



Appendix I: Data Tables

(Base: Registered American Voters 18+)

Recently, you may have noticed that *global warming* has been getting some attention in the news. Global warming refers to the idea that the world’s average temperature has been increasing over the past 150 years, may be increasing more in the future, and that the world’s climate may change as a result.

What do you think: Do you think that global warming is happening?

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
All Registered Voters	966	1,067	1,109	1,070	1,061	1,004	1,070	1,025	1,045	860	669	889	885	849	813	827	857	856	2,203
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	74	73	72	71	72	73	68	65	67	66	64	64	70	67	64	64	60	58	71
No	15	14	12	15	14	11	17	20	18	21	24	16	13	15	18	19	19	21	10
Don't know	12	13	15	14	14	15	15	15	15	14	12	20	17	17	18	17	21	21	18
Total Democrats	466	472	503	459	469	451	458	441	443	399	295	389	402	378	369	359	388	330	971
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	93	92	94	91	90	88	86	85	84	89	84	84	86	82	80	81	77	81	86
No	2	2	2	2	1	2	3	4	4	5	8	5	2	5	6	6	4	4	2
Don't know	5	6	5	7	9	11	10	11	12	7	8	11	12	13	14	13	19	15	13
Liberal Democrats	295	265	289	240	239	249	254	206	214	201	144	186	208	168	160	165	162	136	459
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	98	95	97	97	94	95	92	90	92	93	91	89	91	91	87	88	85	87	91
No	1	1	1	1	1	2	3	4	4	3	6	5	2	1	2	4	1	4	1
Don't know	1	4	2	2	5	3	5	6	4	4	3	6	7	8	9	7	14	9	8
Moderate/Conservative Democrats	168	204	212	219	227	200	204	231	227	197	150	200	191	209	205	191	224	193	503
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	85	88	89	85	86	80	79	82	79	85	77	79	80	76	76	77	72	77	81
No	5	4	3	3	1	1	4	4	4	6	9	5	2	8	8	7	6	3	3
Don't know	11	8	8	12	12	19	17	15	17	10	13	16	18	16	15	16	22	18	16

(Base: Registered American Voters 18+)

Recently, you may have noticed that *global warming* has been getting some attention in the news. Global warming refers to the idea that the world’s average temperature has been increasing over the past 150 years, may be increasing more in the future, and that the world’s climate may change as a result.

What do you think: Do you think that global warming is happening? (Cont’d.)

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
Independents	95	120	118	120	97	103	109	102	117	85	77	92	82	84	79	79	86	96	218
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	66	70	65	70	57	74	68	61	73	58	66	44	78	63	61	60	60	55	74
No	16	16	16	9	20	11	17	24	16	25	26	18	11	17	18	16	17	28	11
Don't know	18	14	19	21	24	15	16	15	11	17	7	38	11	20	21	24	22	18	15
Total Republicans	356	430	437	442	455	399	443	428	421	334	255	374	363	322	303	333	333	357	913
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	52	51	47	48	54	56	51	41	43	40	39	47	49	47	45	45	36	39	54
No	32	29	28	31	27	24	32	39	37	41	43	28	28	30	36	38	41	38	22
Don't know	16	20	25	21	18	20	17	20	20	20	18	25	23	23	19	17	22	22	23
Moderate/ Liberal Republicans	116	149	165	127	143	132	137	119	126	103	72	103	100	92	93	91	82	102	304
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	70	68	63	64	70	71	65	56	60	61	64	61	65	67	65	64	53	57	62
No	17	13	16	20	9	12	12	21	28	19	26	14	16	11	18	20	19	20	12
Don't know	13	19	19	16	22	17	23	24	12	20	10	26	18	22	17	16	28	23	26
Conservative Republicans	238	276	271	313	310	267	304	307	295	228	183	271	263	229	206	241	249	251	604
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Yes	42	40	37	42	46	47	43	35	36	28	27	41	40	39	34	36	32	32	50
No	40	40	39	35	37	32	43	46	41	51	52	34	34	38	46	46	47	48	28
Don't know	18	21	24	23	17	21	14	19	23	20	21	24	24	23	20	17	20	20	22

(Base: Registered American Voters 18+)
Assuming global warming is happening, do you think it is...

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
All Registered Voters	966	1,067	1,109	1,070	1,061	1,004	1,070	1,025	1,045	860	669	889	885	849	813	827	857	856	2,203
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	62	59	54	56	55	56	52	52	48	51	48	47	52	46	48	46	48	46	55
Caused mostly by natural changes in the environment	24	30	33	31	31	35	34	33	36	34	36	36	34	37	35	36	37	36	33
Neither because global warming isn't happening	7	5	5	6	6	5	7	9	8	8	8	8	7	4	7	8	6	9	3
Other please specify, caused by human activities and natural changes	6	6	6	6	6	4	6	4	7	6	4	7	6	10	6	8	7	7	6
Other please specify, unclassified	1	1	1	1	1	--	1	1	1	1	4	1	1	2	2	1	1	1	1
Total Democrats	466	472	503	459	469	451	458	441	443	399	295	389	402	378	369	359	388	330	971
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	80	77	76	74	72	75	72	72	65	69	61	64	69	56	61	62	66	68	70
Caused mostly by natural changes in the environment	12	18	17	19	20	19	19	19	25	24	28	22	20	28	28	26	22	22	21
Neither because global warming isn't happening	1	2	*	1	1	1	1	4	3	2	3	5	3	1	3	2	1	1	1
Other please specify, caused by human activities and natural changes	6	3	6	5	6	4	6	4	5	5	6	8	8	11	6	8	9	8	6
Other please specify, unclassified	*	*	1	*	1	*	1	1	1	*	2	*	*	2	1	2	*	*	1

(Base: Registered American Voters 18+)
Assuming global warming is happening, do you think it is... (Cont'd.)

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
Liberal Democrats	295	265	289	240	239	249	254	206	214	201	144	186	208	168	160	165	162	136	459
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	90	84	83	87	80	82	82	75	78	75	68	78	75	70	71	68	77	75	78
Caused mostly by natural changes in the environment	5	12	11	9	13	15	12	15	15	19	20	12	14	17	20	17	11	13	14
Neither because global warming isn't happening	1	*	--	--	2	--	*	4	*	1	2	2	2	--	2	3	*	*	1
Other please specify, caused by human activities and natural changes	4	3	5	4	5	2	6	6	5	5	9	8	7	12	8	9	9	11	7
Other please specify, unclassified	--	--	--	--	1	*	1	*	*	--	2	*	--	1	--	3	--	--	*
Moderate/ Conservative Democrats	168	204	212	219	227	200	204	231	227	197	150	200	191	209	205	191	224	193	503
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	66	70	67	62	64	67	62	69	55	64	56	53	63	46	54	58	59	62	64
Caused mostly by natural changes in the environment	23	24	24	30	27	24	28	23	32	28	35	31	25	36	35	32	30	28	27
Neither because global warming isn't happening	2	3	*	1	1	3	2	4	5	3	4	7	3	3	4	1	1	1	1
Other please specify, caused by human activities and natural changes	8	3	6	5	7	6	6	3	6	4	3	9	9	11	5	7	9	6	6
Other please specify, unclassified	1	*	2	1	1	--	2	1	1	*	2	*	*	3	2	1	*	1	1

(Base: Registered American Voters 18+)
Assuming global warming is happening, do you think it is... (Cont'd.)

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
Independents	95	120	118	120	97	103	109	102	117	85	77	92	82	84	79	79	86	96	218
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	62	52	42	55	44	48	62	41	43	32	44	37	58	48	50	34	45	47	63
Caused mostly by natural changes in the environment	24	30	37	28	28	39	26	34	36	43	33	47	27	27	30	41	38	38	24
Neither because global warming isn't happening	7	6	8	5	10	6	3	13	5	8	11	4	5	5	7	10	5	12	2
Other please specify, caused by human activities and natural changes	6	12	8	10	14	5	4	9	12	9	5	8	7	15	11	15	9	2	6
Other please specify, unclassified	1	*	4	1	--	--	5	2	2	4	7	3	3	4	--	--	1	1	1
Total Republicans	356	430	437	442	455	399	443	428	421	334	255	374	363	322	303	333	333	357	913
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	36	38	29	34	37	35	30	31	28	31	30	29	31	25	31	29	27	27	36
Caused mostly by natural changes in the environment	42	45	52	48	44	53	50	50	51	46	49	51	52	57	46	50	54	49	50
Neither because global warming isn't happening	14	10	12	11	11	8	14	14	14	16	14	12	12	8	13	14	11	16	6
Other please specify, caused by human activities and natural changes	7	7	6	6	6	4	6	3	7	6	3	5	3	7	6	5	6	6	6
Other please specify, unclassified	1	1	1	*	1	1	1	1	1	1	5	3	2	2	4	1	2	2	1

(Base: Registered American Voters 18+)
Assuming global warming is happening, do you think it is... (Cont'd.)

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
Moderate/ Liberal Republicans	116	149	165	127	143	132	137	119	126	103	72	103	100	92	93	91	82	102	304
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	53	55	41	44	53	50	43	40	45	46	47	36	47	34	57	38	53	34	52
Caused mostly by natural changes in the environment	31	28	46	43	35	42	43	45	41	38	41	43	45	47	28	45	37	44	36
Neither because global warming isn't happening	5	7	3	7	4	4	3	9	7	8	6	10	5	8	4	7	7	7	2
Other please specify, caused by human activities and natural changes	8	10	8	6	5	5	9	5	7	6	4	10	3	11	6	7	3	12	8
Other please specify, unclassified	1	--	1	--	1	--	2	1	--	1	2	1	--	*	4	1	1	2	1
Conservative Republicans	238	276	271	313	310	267	304	307	295	228	183	271	263	229	206	241	249	251	604
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Caused mostly by human activities	28	26	21	30	29	26	22	27	20	22	21	26	22	21	17	25	20	22	28
Caused mostly by natural changes in the environment	47	56	56	51	49	59	53	53	55	50	52	54	55	61	56	52	58	52	58
Neither because global warming isn't happening	18	12	17	13	15	11	20	16	17	20	17	13	16	9	16	17	12	20	8
Other please specify, caused by human activities and natural changes	6	4	5	6	5	3	4	2	6	6	2	3	3	6	6	4	6	3	5
Other please specify, unclassified	*	1	1	*	1	1	*	1	1	1	7	3	3	3	4	2	3	2	1

(Base: Registered American Voters 18+)
How worried are you about global warming?

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
All Registered Voters	966	1,067	1,109	1,070	1,061	1,004	1,070	1,025	1,045	860	669	889	885	849	813	827	857	856	2,203
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	29	23	23	18	20	15	15	12	12	16	16	14	16	11	12	8	11	12	15
Somewhat worried	38	40	41	37	41	41	40	41	44	40	37	36	42	40	41	43	41	38	47
Not very worried	20	22	22	27	24	26	29	28	25	26	26	32	25	31	32	29	30	26	24
Not at all worried	13	15	15	17	15	18	16	19	19	17	21	18	17	17	15	21	19	24	14
Total Democrats	466	472	503	459	469	451	458	441	443	399	295	389	402	378	369	359	388	330	971
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	48	35	40	29	32	26	27	19	21	27	24	24	26	16	19	14	18	20	24
Somewhat worried	41	48	47	50	50	52	48	56	55	54	49	42	48	48	52	57	53	53	53
Not very worried	8	13	10	16	14	17	21	19	18	14	23	26	21	27	22	21	23	19	20
Not at all worried	3	5	3	5	4	5	4	6	6	5	5	8	4	8	6	8	6	7	3
Liberal Democrats	295	265	289	240	239	249	254	206	214	201	144	186	208	168	160	165	162	136	459
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	57	44	53	38	42	33	35	29	29	31	33	32	34	21	21	18	19	25	29
Somewhat worried	37	44	41	48	49	55	48	56	57	53	50	45	50	54	62	54	61	62	53
Not very worried	5	9	5	12	7	11	14	10	12	14	15	20	13	20	13	18	14	11	15
Not at all worried	1	2	2	2	2	1	3	6	2	2	1	3	4	5	3	10	5	2	3
Moderate/Conservative Democrats	168	204	212	219	227	200	204	231	227	197	150	200	191	209	205	191	224	193	503
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	33	23	26	20	23	19	18	11	15	24	14	17	18	12	17	10	17	16	19
Somewhat worried	47	53	54	52	51	48	48	56	53	54	48	39	46	44	47	60	48	46	55
Not very worried	12	17	16	21	20	24	28	28	23	15	30	31	31	33	27	24	30	26	23
Not at all worried	7	7	4	7	6	9	6	6	9	7	8	13	5	11	8	6	6	12	3

(Base: Registered American Voters 18+)
How worried are you about global warming? (Cont'd.)

<i>Unweighted bases</i>	Dec 2018	March 2018	Oct 2017	May 2017	Nov 2016	March 2016	Oct 2015	March 2015	Oct 2014	April 2014	Nov 2013	April 2013	Sept 2012	March 2012	Nov 2011	May 2011	June 2010	Jan 2010	Nov 2008
Independents	95	120	118	120	97	103	109	102	117	85	77	92	82	84	79	79	86	96	218
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	19	22	13	23	12	7	12	5	7	11	14	9	17	4	13	1	6	11	16
Somewhat worried	43	32	40	33	39	43	41	40	47	24	39	40	51	37	31	40	39	38	48
Not very worried	24	26	29	30	28	30	31	37	30	40	19	27	15	36	42	34	37	19	24
Not at all worried	14	20	19	14	21	21	16	17	16	25	26	25	17	23	13	25	19	30	12
Total Republicans	356	430	437	442	455	399	443	428	421	334	255	374	363	322	303	333	333	357	913
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	7	9	4	5	7	4	4	4	2	3	7	5	5	3	3	3	3	6	5
Somewhat worried	33	32	32	24	30	27	31	25	27	27	21	28	30	28	28	28	24	25	36
Not very worried	34	33	35	38	36	37	36	37	34	37	34	41	31	38	40	33	37	33	30
Not at all worried	26	26	30	33	27	32	28	34	37	33	38	26	34	31	28	35	36	36	28
Moderate/ Liberal Republicans	116	149	165	127	143	132	137	119	126	103	72	103	100	92	93	91	82	102	304
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	10	16	8	7	19	8	8	4	3	6	18	8	9	4	9	5	6	11	11
Somewhat worried	44	42	46	35	41	41	43	31	50	45	38	35	46	52	42	44	38	36	50
Not very worried	35	26	33	37	30	33	39	47	27	38	27	45	25	32	39	36	37	29	23
Not at all worried	11	16	13	20	11	19	10	17	20	11	16	11	20	13	10	15	18	24	15
Conservative Republicans	238	276	271	313	310	267	304	307	295	228	183	271	263	229	206	241	249	251	604
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Very worried	5	5	1	4	1	2	3	4	2	2	2	4	3	2	1	3	2	4	2
Somewhat worried	28	25	22	20	25	19	25	22	17	17	13	25	22	18	20	21	19	18	28
Not very worried	34	37	36	38	39	39	35	33	37	37	38	39	34	41	42	32	37	36	34
Not at all worried	34	33	41	39	36	40	37	41	44	45	48	33	41	38	37	44	42	42	35

The United States should reduce its greenhouse gas emissions...

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Regardless of what other countries do	69	85	92	76	68	48	55	45
Only if other industrialized countries (such as England, Germany, and Japan) reduce their emissions	2	2	--	4	4	3	2	4
Only if other industrialized countries and developing countries (such as China, India, and Brazil) reduce their emissions	8	1	1	2	10	17	16	17
The U.S. should not reduce its emissions	5	2	2	2	3	11	2	15
Don't know	15	10	5	16	16	21	24	20

Do you think each of the following should be doing more or less to address global warming?

Corporations and industry

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	42	61	70	48	37	17	28	11
More	33	30	25	37	36	36	39	34
Currently doing the right amount	16	7	3	13	13	28	23	32
Less	4	2	1	3	8	5	3	6
Much Less	6	1	1	--	7	13	6	17

Citizens themselves

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	27	41	46	32	15	9	14	5
More	41	46	46	46	48	36	43	32
Currently doing the right amount	22	12	6	20	25	34	28	37
Less	4	1	1	1	8	7	4	8
Much Less	7	1	1	--	5	15	9	18

**Do you think each of the following should be doing more or less to address global warming?
(Cont'd.)**

The U.S. Congress

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	38	60	69	47	24	11	21	6
More	29	29	26	34	39	27	32	23
Currently doing the right amount	18	7	3	15	16	34	35	34
Less	7	2	1	4	10	12	8	14
Much Less	8	1	2	--	12	16	3	22

President Trump

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	46	74	82	63	37	11	21	5
More	21	18	14	23	29	22	27	18
Currently doing the right amount	22	4	*	9	11	49	41	53
Less	4	1	1	1	7	7	5	8
Much Less	8	3	2	3	15	12	5	16

Your member of Congress

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	31	46	52	38	21	11	19	6
More	33	40	37	44	34	24	31	20
Currently doing the right amount	21	10	9	12	23	37	37	37
Less	7	2	1	3	10	12	8	15
Much Less	8	2	2	3	12	16	5	22

**Do you think each of the following should be doing more or less to address global warming?
(Cont'd.)**

Your local government officials

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	23	34	38	27	20	7	14	3
More	39	50	51	49	40	26	36	20
Currently doing the right amount	25	14	9	20	19	42	37	45
Less	5	2	1	3	9	10	8	11
Much Less	8	1	1	--	12	15	4	21

Your governor

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	26	40	46	32	20	7	15	4
More	34	41	40	43	32	25	36	18
Currently doing the right amount	26	15	11	21	29	40	37	43
Less	5	2	1	3	8	9	6	11
Much Less	8	1	1	1	10	18	5	24

The media

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Much more	24	38	42	31	15	6	9	4
More	29	38	37	40	31	17	26	13
Currently doing the right amount	22	18	18	18	23	27	32	24
Less	12	5	2	8	17	22	17	25
Much Less	13	2	1	3	15	27	15	33

Do you think...global warming should be a low, medium, high, or very high priority for the president and Congress?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Low	22	6	4	8	26	44	26	53
Medium	21	10	4	20	33	32	36	30
High	24	29	27	32	24	17	21	15
Very High	33	55	65	40	17	7	15	3

Some members of Congress are proposing a "Green New Deal" for the U.S. They say that a Green New Deal will produce jobs and strengthen America's economy by accelerating the transition from fossil fuels to clean, renewable energy. The "Deal" would generate 100% of the nation's electricity from clean, renewable sources within the next 10 years, upgrade the nation's energy grid, buildings and transportation infrastructure, increase energy efficiency, invest in "green" technology research and development, and provide training for jobs in the new "green" economy. How much do you support or oppose this idea?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	81	92	93	90	88	64	75	57
Strongly support	40	59	69	43	36	15	23	11
Somewhat support	41	33	24	47	52	49	52	46
Strongly/Somewhat oppose	18	7	5	9	12	35	21	42
Somewhat oppose	9	4	3	5	7	17	12	21
Strongly oppose	8	3	3	4	5	17	9	22

How much do you support or oppose the following policies?

Require fossil fuel companies to pay a fee on carbon pollution, and distribute the money collected to all U.S. citizens, in equal amounts, through monthly dividend checks.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	63	78	81	73	66	39	53	30
Strongly support	25	36	40	30	24	7	8	7
Somewhat support	38	42	41	43	41	31	44	24
Strongly/Somewhat oppose	37	22	19	27	34	60	45	69
Somewhat oppose	19	14	10	21	19	25	22	27
Strongly oppose	18	8	8	7	15	35	23	42

Require fossil fuel companies to pay a carbon tax and use the money to reduce other taxes (such as income tax) by an equal amount.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	71	85	88	79	71	49	64	41
Strongly support	29	40	47	31	20	13	18	10
Somewhat support	42	44	41	48	52	36	45	31
Strongly/Somewhat oppose	29	15	12	21	29	49	34	58
Somewhat oppose	15	10	7	15	16	22	19	24
Strongly oppose	14	5	5	6	13	27	14	34

How much do you support or oppose the following policies? (Cont'd.)

Set strict carbon dioxide emission limits on existing coal-fired power plants to reduce global warming and improve public health.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	71	86	92	77	77	48	61	40
Strongly support	28	44	53	32	14	10	15	6
Somewhat support	43	42	39	45	63	38	45	34
Strongly/Somewhat oppose	28	14	8	23	23	50	35	59
Somewhat oppose	17	10	6	16	16	29	25	32
Strongly oppose	10	4	2	6	7	21	10	27

Fund more research into renewable energy sources, such as solar and wind power.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	88	95	98	92	84	81	81	80
Strongly support	48	66	73	54	44	25	33	21
Somewhat support	40	30	25	37	40	55	48	59
Strongly/Somewhat oppose	11	5	2	8	16	18	16	19
Somewhat oppose	6	3	2	6	10	9	13	8
Strongly oppose	5	1	1	2	6	8	4	11

How much do you support or oppose the following policies? (Cont'd.)**Provide tax rebates for people who purchase energy-efficient vehicles or solar panels.**

		Democrats				Republicans		
	Total Registered Voters							
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	85	95	96	93	85	71	77	67
Strongly support	44	55	63	45	40	26	28	25
Somewhat support	41	40	34	49	45	45	49	42
Strongly/Somewhat oppose	14	5	4	7	15	28	21	32
Somewhat oppose	7	3	3	4	7	13	15	12
Strongly oppose	7	2	1	3	8	15	6	20

Regulate carbon dioxide (the primary greenhouse gas) as a pollutant.

		Democrats				Republicans		
	Total Registered Voters							
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	79	93	95	90	81	60	65	56
Strongly support	36	53	63	38	37	13	14	11
Somewhat support	43	40	32	52	45	47	51	45
Strongly/Somewhat oppose	20	7	5	10	19	39	32	43
Somewhat oppose	13	6	4	8	10	24	27	22
Strongly oppose	7	1	1	2	9	15	5	20

How much do you support or oppose the following policies? (Cont'd.)

Require electric utilities to produce at least 20% of their electricity from wind, solar, or other renewable energy sources, even if it costs the average household an extra \$100 a year.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	70	87	92	80	64	48	57	42
Strongly support	31	46	55	33	16	15	20	10
Somewhat support	39	41	37	46	48	33	36	32
Strongly/Somewhat oppose	30	13	8	20	36	51	41	57
Somewhat oppose	17	9	6	13	17	28	32	27
Strongly oppose	12	4	2	8	19	22	9	30

Expand offshore drilling for oil and natural gas off the U.S. coast.

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	48	30	22	42	49	72	51	83
Strongly support	15	8	5	12	14	25	12	31
Somewhat support	33	23	18	31	34	47	38	52
Strongly/Somewhat oppose	52	70	78	58	51	27	48	16
Somewhat oppose	25	28	29	28	30	19	34	11
Strongly oppose	27	41	49	29	21	8	14	5

How much do you support or oppose the following policies? (Cont'd.)

Drill for oil in the Arctic National Wildlife Refuge.

		Democrats				Republicans		
	Total Registered Voters							
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	32	18	13	25	33	53	36	61
Strongly support	10	4	5	4	12	18	6	24
Somewhat support	21	13	8	22	21	35	29	37
Strongly/Somewhat oppose	68	82	87	74	67	46	62	38
Somewhat oppose	27	25	20	33	30	28	39	24
Strongly oppose	40	57	67	42	37	17	23	15

How confident are you that people like you, working together can...?

...affect what local businesses in your community do about global warming?

		Democrats				Republicans		
	Total Registered Voters							
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Extremely confident	5	7	10	3	5	2	2	3
Very confident	14	20	25	12	13	6	8	4
Moderately confident	31	36	31	42	29	26	24	26
Only a little confident	29	29	25	35	28	31	27	33
Not at all confident	19	8	8	8	24	33	34	33

How confident are you that people like you, working together can...? (Cont'd.)

...affect what your local government does about global warming?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Extremely confident	5	7	10	2	4	3	3	3
Very confident	16	23	27	18	9	8	9	7
Moderately confident	28	34	30	40	32	22	25	19
Only a little confident	30	27	25	31	33	34	27	37
Not at all confident	19	8	8	9	20	31	32	31

...affect what your state government does about global warming?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Extremely confident	5	5	8	2	7	2	3	2
Very confident	14	21	25	14	7	6	4	7
Moderately confident	27	32	30	36	23	22	25	21
Only a little confident	32	31	26	39	34	32	31	33
Not at all confident	21	10	11	9	27	34	31	36

...affect what corporations do about global warming?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Extremely confident	4	5	6	5	3	2	2	1
Very confident	12	17	21	12	6	5	6	4
Moderately confident	23	27	25	31	22	20	19	19
Only a little confident	32	36	34	37	23	32	28	34
Not at all confident	27	15	15	14	43	39	40	40

How confident are you that people like you, working together can...? (Cont'd.)

...affect what the federal government does about global warming?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Extremely confident	4	6	7	3	4	1	1	1
Very confident	11	15	17	12	6	8	6	7
Moderately confident	22	26	25	27	23	19	22	18
Only a little confident	34	37	34	42	34	31	30	31
Not at all confident	27	17	17	16	31	39	36	41

How likely would you be to do each of the following things if a person you like and respect asked you to?

Donate money to an organization working on global warming

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Definitely would	11	18	23	10	3	3	3	2
Probably would	28	42	44	39	19	14	21	10
Probably would not	22	17	15	19	31	28	23	31
Definitely would not	24	8	6	11	30	43	29	50
Don't know	10	10	7	14	14	8	17	4
Prefer not to answer/Refused	5	5	5	7	3	4	7	3

How likely would you be to do each of the following things if a person you like and respect asked you to? (Cont'd.)

Write letters, emails, or phone government officials about global warming

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Definitely would	11	18	21	12	7	5	6	3
Probably would	27	41	45	37	25	9	13	7
Probably would not	26	18	18	19	28	36	38	35
Definitely would not	22	10	6	15	23	39	25	47
Don't know	10	10	6	15	13	8	13	6
Prefer not to answer/Refused	4	3	4	2	5	3	6	2

Volunteer your time to an organization working on global warming

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Definitely would	9	13	16	8	5	4	4	4
Probably would	26	37	41	32	26	12	18	9
Probably would not	29	26	25	28	32	34	32	36
Definitely would not	20	6	3	11	23	38	26	44
Don't know	12	14	12	17	13	8	15	5
Prefer not to answer/Refused	4	3	2	4	2	4	6	2

Meet with an elected official or their staff about global warming

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/Con	Ind/Other	Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Definitely would	10	14	17	10	11	4	6	2
Probably would	22	30	34	25	18	14	12	15
Probably would not	29	25	26	25	35	32	39	30
Definitely would not	22	12	10	16	18	36	23	44
Don't know	13	14	9	21	13	10	14	8
Prefer not to answer/Refused	4	3	4	3	5	3	6	2

Over the past 12 months, how many times have you done the following?

Written letters, emailed, or phoned government officials about global warming

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Many times (6+)	1	2	2	*	2	1	*	--
Several times (4-5)	2	3	4	3	5	*	--	1
A few times (2-3)	6	9	11	7	2	3	3	2
Once	5	10	11	7	1	1	*	2
Never	83	74	70	79	89	93	92	96
Don't know	2	2	2	3	2	1	4	--

[If one or more times] When you contacted a government official did you...

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
Urge them to take action to reduce global warming	13	21	26	14	7	3	2	3
Urge them not to take action to reduce global warming	2	2	1	3	--	2	2	2
Other (please specify)	1	1	1	*	2	--	--	--
Never/Don't know/Refused previous question	85	76	72	82	91	95	96	96

How willing or unwilling would you be to join a campaign to convince elected officials to reduce global warming?

	Total Registered Voters	Democrats			Ind/Other	Republicans		
		Total	Liberal	Mod/Con		Total	Liberal/Mod	Con
Unweighted Base	966	466	295	168	95	356	116	238
	%	%	%	%	%	%	%	%
I am participating in a campaign like this now	2	3	3	3	1	1	--	--
I definitely would do it	11	18	22	12	7	2	2	2
I probably would do it	24	36	40	30	17	11	14	8
I probably would not do it	17	12	11	13	16	24	22	25
I definitely would not do it	19	6	5	7	21	34	15	45
Not sure	23	22	17	29	32	25	41	17
Prefer not to answer/Refused	4	3	2	5	6	4	5	3

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,114 American adults, aged 18 and older, 966 of whom are registered to vote. The survey was conducted November 28 – December 11, 2018. All questionnaires were self-administered by respondents in a web-based environment. The survey took, on average, about 27 minutes to complete.

The sample was drawn from GfK's KnowledgePanel®, an online panel of members drawn using probability sampling methods. Prospective members are recruited using a combination of random digit dial and address-based sampling techniques that cover virtually all (non-institutional) resident phone numbers and addresses in the United States. Those contacted who would choose to join the panel but do not have access to the Internet are loaned computers and given Internet access so they may participate.

The sample therefore includes a representative cross-section of American adults – irrespective of whether they have Internet access, use only a cell phone, etc. Key demographic variables were weighted, post survey, to match US Census Bureau norms.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Matthew Ballew, Matthew Goldberg, and Abel Gustafson of Yale University, and Edward Maibach and John Kotcher of George Mason University.

Margins of error

All samples are subject to some degree of sampling error – that is, statistical results obtained from a sample can be expected to differ somewhat from results that would be obtained if every member of the target population was interviewed. Average margins of error, at the 95% confidence level, are as follows:

- Total registered voters: Plus or minus 3 percentage points.
- Democrats (total): Plus or minus 5 points.
- Liberal Democrats: Plus or minus 6 points.
- Moderate/conservative Democrats: Plus or minus 8 points.
- Independents: Plus or minus 10 points.
- Republicans (total): Plus or minus 5 points.
- Liberal/moderate Republicans: Plus or minus 9 points.
- Conservative Republicans: Plus or minus 6 points.

Appendix III: Demographics

Registered Voters

	N (unweighted)	% (weighted)
Total	966	100
Men	460	48
Women	506	52
iGen (18-21)	13	4
Millennial (22-37)	190	26
Generation X (38-53)	236	24
Baby Boomer (54-72)	413	38
Silent Generation (73+)	114	9
Less than high school	22	6
High school graduate	148	26
Some college/Associate degree/Technical degree	320	32
College graduate	272	20
Post graduate	204	16
<\$25K	104	11
\$25K - <\$50K	172	19
\$50K - <\$75K	156	16
\$75K - <\$100K	172	15
\$100K - <\$125K	124	14
\$125K+	238	26
White, non-Hispanic	727	68
Black, African-American non-Hispanic	86	12
Hispanic	93	13
Other non-Hispanic	60	7
Northeast	179	18
Midwest	221	22
South	321	34
West	245	25

Full Sample

	N (unweighted)	% (weighted)
Total	1,114	100
Men	530	48
Women	584	52
iGen (18-21)	24	6
Millennial (22-37)	247	29
Generation X (38-53)	274	24
Baby Boomer (54-72)	449	34
Silent Generation (73+)	120	8
Less than high school	45	10
High school graduate	197	29
Some college/Associate degree/Technical degree	354	29
College graduate	292	18
Post graduate	226	15
<\$25K	136	14
\$25K - <\$50K	206	19
\$50K - <\$75K	185	17
\$75K - <\$100K	191	14
\$100K - <\$125K	131	12
\$125K+	265	24
White, non-Hispanic	811	64
Black, African-American non-Hispanic	104	12
Hispanic	120	16
Other non-Hispanic	79	8
Northeast	203	18
Midwest	247	21
South	386	37
West	278	24

