

POLITICS & GLOBAL WARMING, NOVEMBER 2016



YALE PROGRAM ON
Climate Change
Communication



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Table of Contents

Introduction.....	2
Reading Notes	3
Key Findings	4
1. Should the U.S. Act on Global Warming?	6
2. Who is Responsible to Act on Global Warming?	8
3. Support for Policies to Address the Pollution that Causes Global Warming	10
4. Support for Transitioning From Fossil Fuels to Clean Energy.....	18
5. Support for Infrastructure Investments.....	20
Appendix I: Data Tables.....	23
Appendix II: Survey Method	44
Appendix III: Sample Demographics.....	45

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](http://climatecommunication.yale.edu) (climatecommunication.yale.edu) and the [George Mason University Center for Climate Change Communication](http://climatechangecommunication.org) (climatechangecommunication.org). Interview dates: November 18-December 1, 2016. Interviews: 1,226 Adults (18+), 1,061 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 Energy Foundation, the Grantham Foundation, and the MacArthur Foundation.

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Reading notes

- This report is based only on 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 “lean” toward one party or the other 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 of each of the parties discussed in this report:
 - Democrats (total) including leaners: 46%
 - Liberal Democrats including leaners: 23%
 - Moderate/Conservative Democrats including leaners: 22%
 - Independents excluding leaners: 9%
 - Republicans (total) including leaners: 41%
 - Liberal/Moderate Republicans including leaners: 14%
 - Conservative Republicans including leaners: 27%
 - No party/Not interested in politics/Refused: 5% (included in results reported for “All Registered Voters”)
- In the appendix tables, note that: -- = 0; * = >0 but <0.5.
- For tabulation purposes, percentage points are rounded off 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 = 3%).

Key Findings

Drawing on a nationally representative survey (n=1,226; including 1,061 registered voters) conducted soon after the 2016 election, this report describes how American registered voters view a variety of current and proposed global warming and clean energy policies. Key findings include:

Global Warming Policies

- Seven in ten registered voters (69%) say the U.S. should participate in the international agreement to limit climate change (the Paris COP21 agreement), compared with only 13% who say the U.S. should not.
- Two-thirds of registered voters (66%) say the U.S. should reduce its greenhouse gas emissions, regardless of what other countries do.
- A majority of registered voters want President-elect Trump (62%) and Congress (63%) to do more to address global warming.
- A majority of registered voters say corporations and industry should do more to address global warming (72% of all registered voters; 87% of Democrats, 66% of Independents, and 53% of Republicans).
- Nearly eight out of ten registered voters (78%) support taxing global warming pollution, regulating it, or using both approaches, while only one in ten opposes these approaches.
- If Congress passes a fossil fuel tax, the most popular uses of the revenue are developing clean energy (solar, wind), improving America's infrastructure, assisting workers in the coal industry who may lose their jobs as a result of the tax, and paying down the national debt.
- Seven in ten registered voters (70%) support 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 – a core component of the EPA's Clean Power Plan. Democrats (85%), Independents (62%) and Republicans (52%) all support setting strict limits on these emissions.
- Two in three registered voters (66%) support 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 – a plan often referred to as a "revenue neutral carbon tax." 81% of Democrats, 60% of Independents, and 49% of Republicans support this policy.
- A large majority of registered voters say the Federal government should prepare for the impacts of global warming, prioritizing impacts on public water supplies (76%), agriculture (75%), people's health (74%), and the electricity system (71%).

Energy Policies

Registered voters support diverse 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. Policies include:

- Funding more research into renewable energy sources such as solar and wind power (82% of all registered voters, 90% of Democrats, 76% of Independents, and 74% of Republicans).
- Providing tax rebates to people who purchase energy-efficient vehicles or solar panels (80% of all registered voters, 89% of Democrats, 70% of Independents, and 71% of Republicans).
- Regulating carbon dioxide as a pollutant (76% of all registered voters, 90% of Democrats, 71% of Independents, and 60% of Republicans).
- Generating renewable energy on public land in the U.S. (83% of all registered voters, 87% of Democrats, 76% of Independents, and 79% of Republicans). Comparatively fewer support drilling or mining fossil fuels on public land (47% of all registered voters, 27% of Democrats, 46% of Independents, and 69% of Republicans).
- Most registered voters think the U.S. should use more renewable energy (81%) and less fossil fuel (55%). Support for using more renewable energy cuts across party lines (it is supported by 85% of Democrats, 78% of Independents, and 76% of Republicans).
- Half of registered voters (51%) think government policies intended to transition away from fossil fuels and toward clean energy will improve economic growth and provide new jobs. An additional one in five (21%) think it will have no impact on the economy or jobs. Only about one in four (27%) think it will reduce economic growth and cost jobs.

Infrastructure Policies

- Across political lines, registered voters support a major investment in the nation's infrastructure (69%) including majorities of Democrats (75%), Independents (58%), and Republicans (67%).
- Across political lines, registered voters' highest priorities for infrastructure improvements are the nation's roads, bridges, and highways, followed by water supply systems, and the electricity grid.

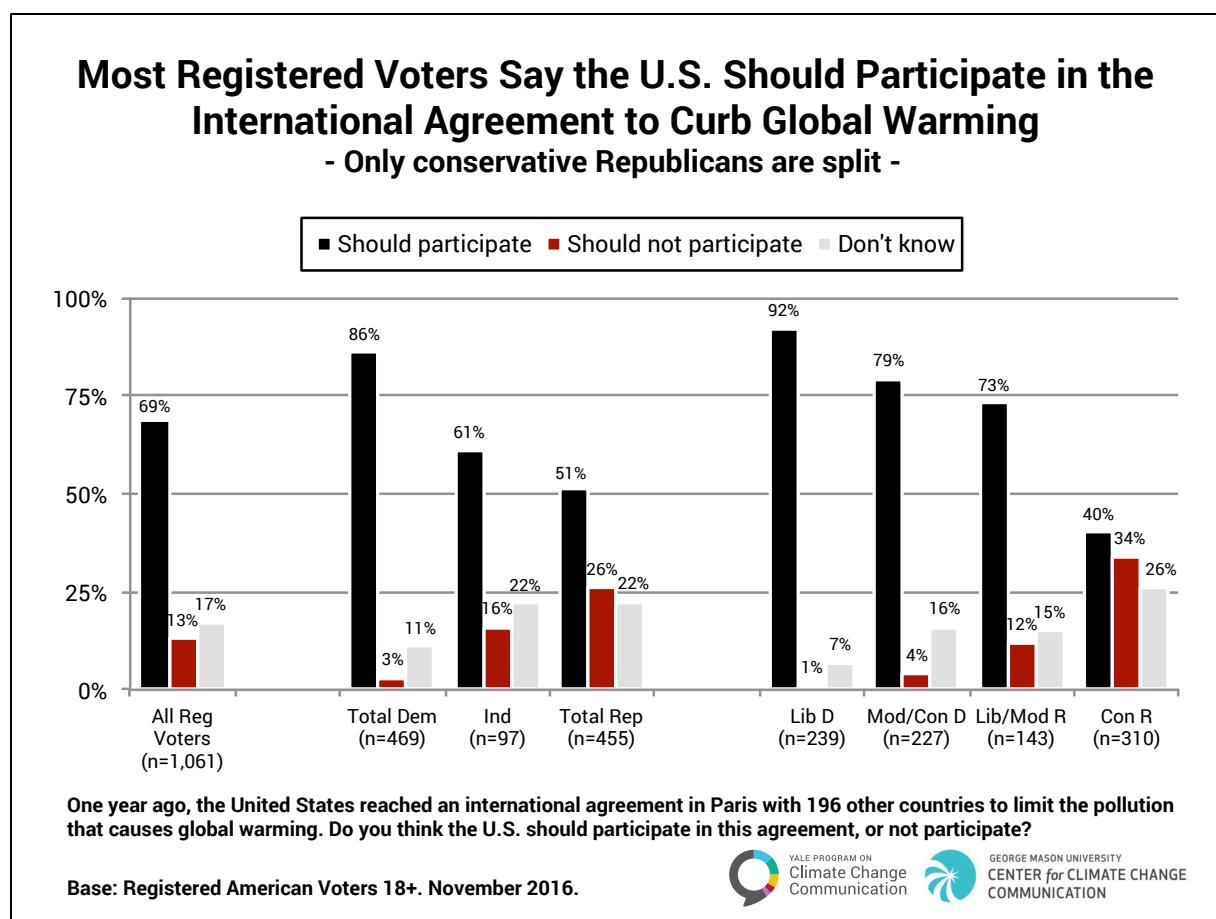
The report includes these and additional policy questions broken down further, including by liberal Democrats, moderate/conservative Democrats, Independents, liberal/moderate Republicans, and conservative Republicans.

1. Should the U.S. Act on Global Warming?

1.1. Most registered voters say the U.S. should participate in the international agreement to limit global warming

In December 2015, officials from 197 countries (nearly every country in the world) met in Paris at the United Nations Climate Change Conference (Conference of the Parties – COP21) and negotiated a global agreement to limit global warming. Earth Day, in April 2016, the U.S. and 174 other countries signed the agreement, with most of the others following suit since then. During the U.S. presidential campaign of 2016, however, now [President-elect Trump said he would cancel U.S. participation in the COP21 agreement.](#)¹

Seven in ten registered voters (69%) say the U.S. should participate in the COP21 agreement, compared with only 13% who say the U.S. should not. Majorities of Democrats (86%) and Independents (61%), and half of Republicans (51%) say the U.S. should participate (including 73% of moderate/liberal Republicans). Only conservative Republicans are split, with marginally more saying the U.S. should participate (40%) than saying we should not participate (34%).

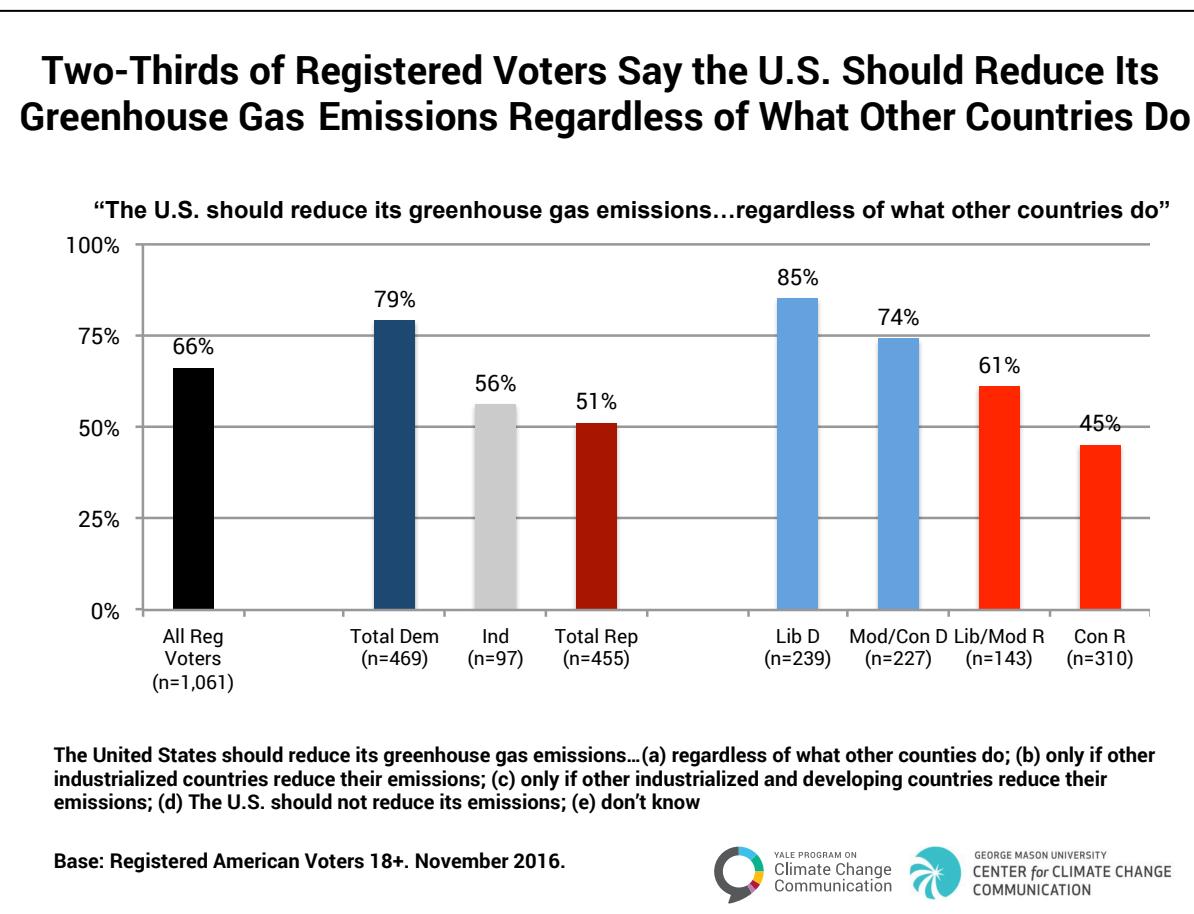


¹ Volcovici, V., & Stephenson, E. (2016, May 27). *Trump vows to undo Obama's climate agenda in appeal to oil sector.* Retrieved from <http://www.reuters.com/article/us-usa-election-trump-energy-idUSKCN0YH2D9>.

1.2. Two-thirds of registered voters say the U.S. should reduce its greenhouse gas emissions, regardless of what other countries do.

Most registered voters think the U.S. should reduce its greenhouse gas emissions, regardless of what other countries do (66%). Majorities of liberal Democrats (85%), moderate/conservative Democrats (74%), and liberal/moderate Republicans (61%) take this position, while nearly half of conservative Republicans (45%) do too.

Only 7% of registered voters (including only 3% of Democrats, 9% of Independents, and 11% of Republicans) say the U.S. should *not* reduce its emissions (see Table, p. 23).

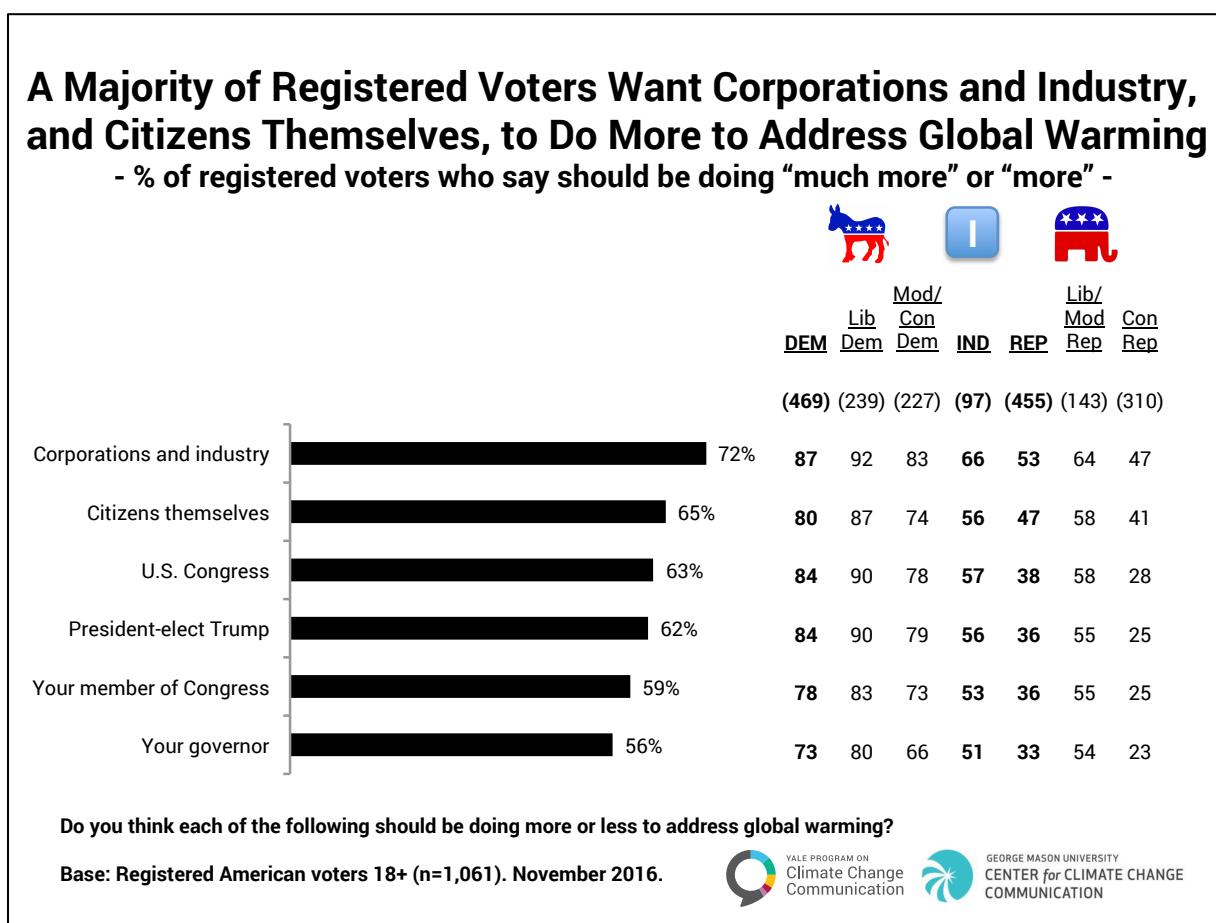


2. Who is Responsible to Act on Global Warming?

2.1. A majority of registered voters want corporations and industry, and citizens themselves, to do more to address global warming. Voters are also looking for more action from President-elect Trump, Congress, and their own Governor.

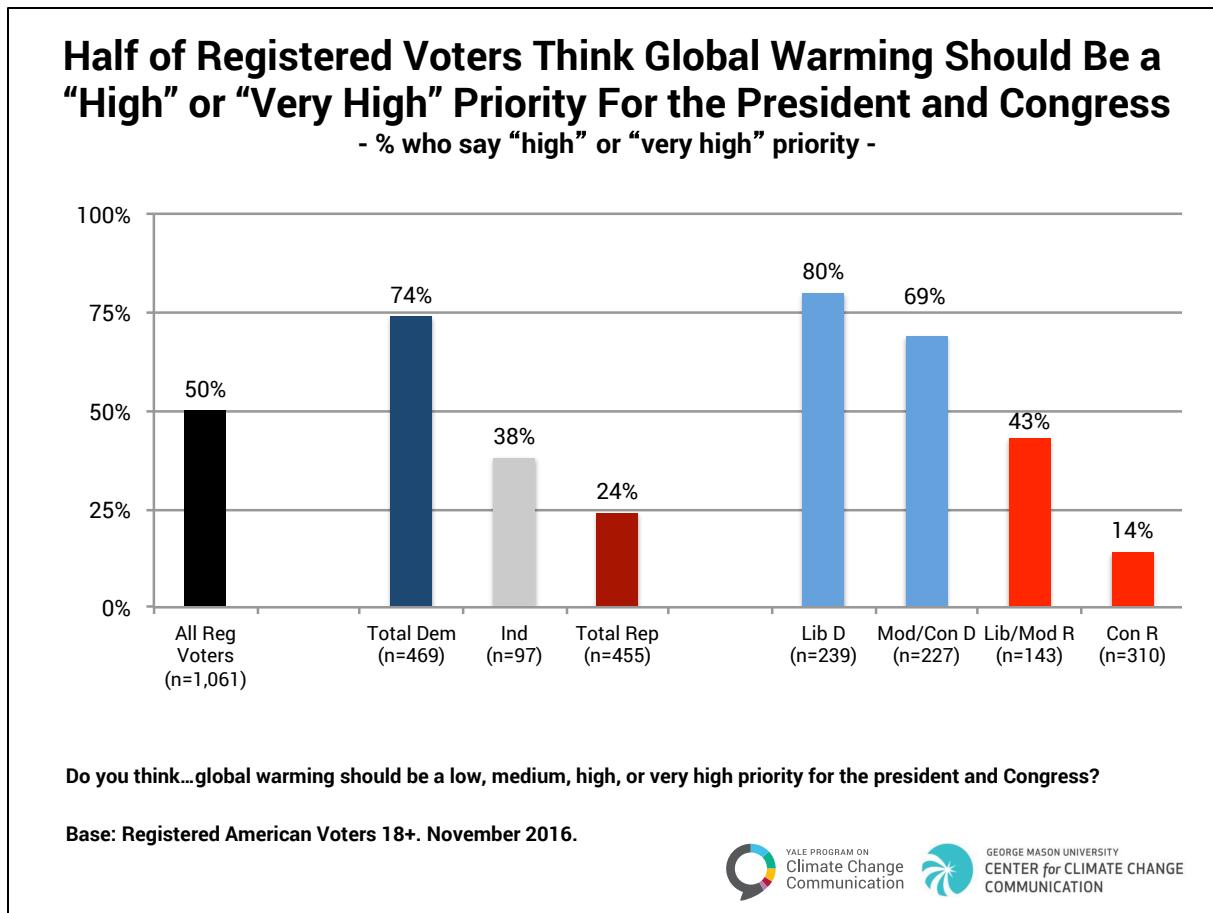
Across party lines, a majority of registered voters say corporations and industry should do more to address global warming (72% of all registered voters; 87% of Democrats, 66% of Independents, and 53% of Republicans).

Half or more of registered voters, including Democrats, Independents, and liberal/moderate Republicans, but not conservative Republicans, think citizens, the U.S. Congress, President-elect Trump, their own member of Congress, and their own governor should do more.



2.2. Half of registered voters think global warming should be a “high” or “very high” priority for the president and Congress.

Half of registered voters (50%) think global warming should be a high or very high priority for the president and Congress, including three in four Democrats (74%), but only 38% of Independents and one in four Republicans (24%).

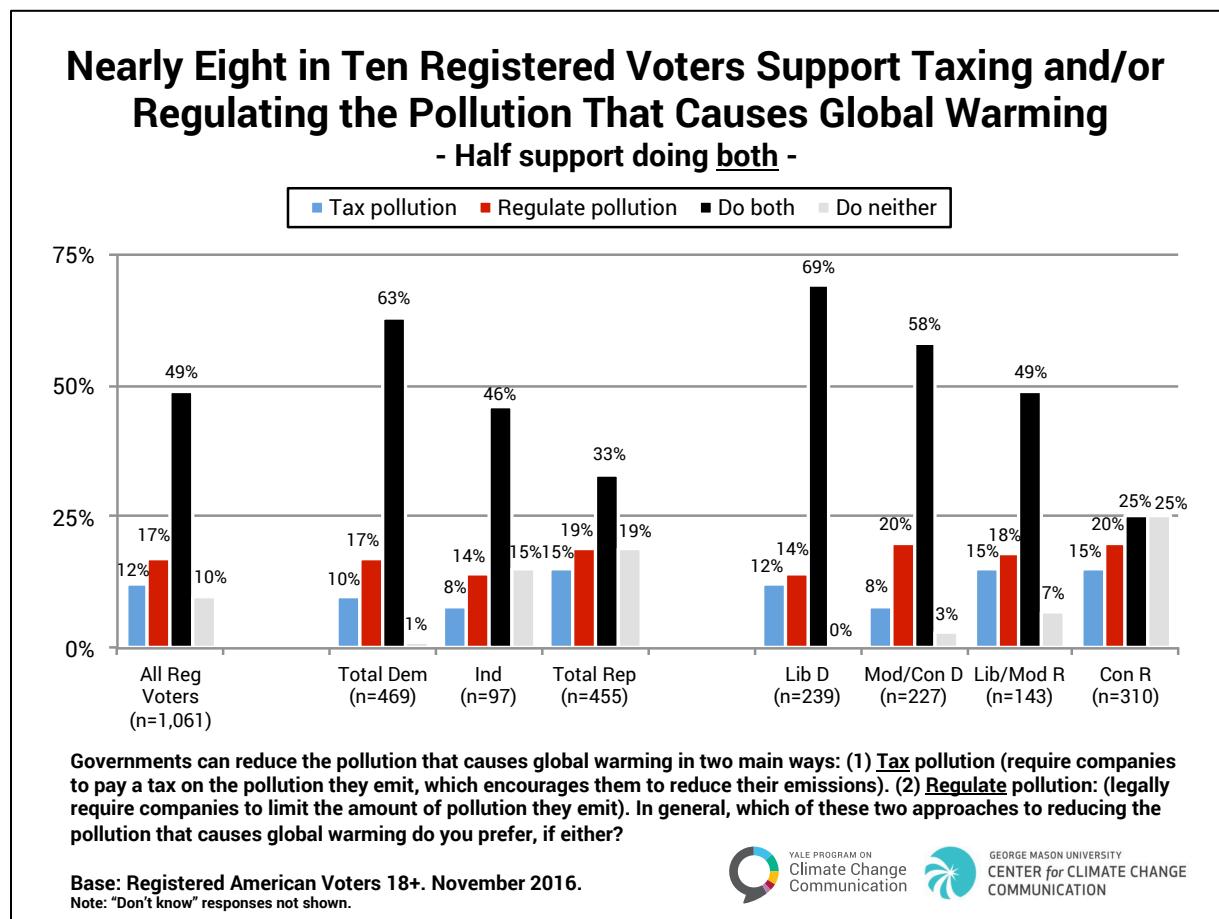


3. Support for Policies to Address the Pollution that Causes Global Warming

3.1. Nearly eight in ten registered voters support taxing and/or regulating the pollution that causes global warming, and half support doing both.

Nearly eight out of ten registered voters (78%) support taxing and/or regulating the pollution that causes global warming, and half (49%) support doing both. Only one in ten (10%) support neither approach. Nine in ten Democrats (90%) favor one or both approaches, along with two in three Independents (68%) and Republicans (68%).

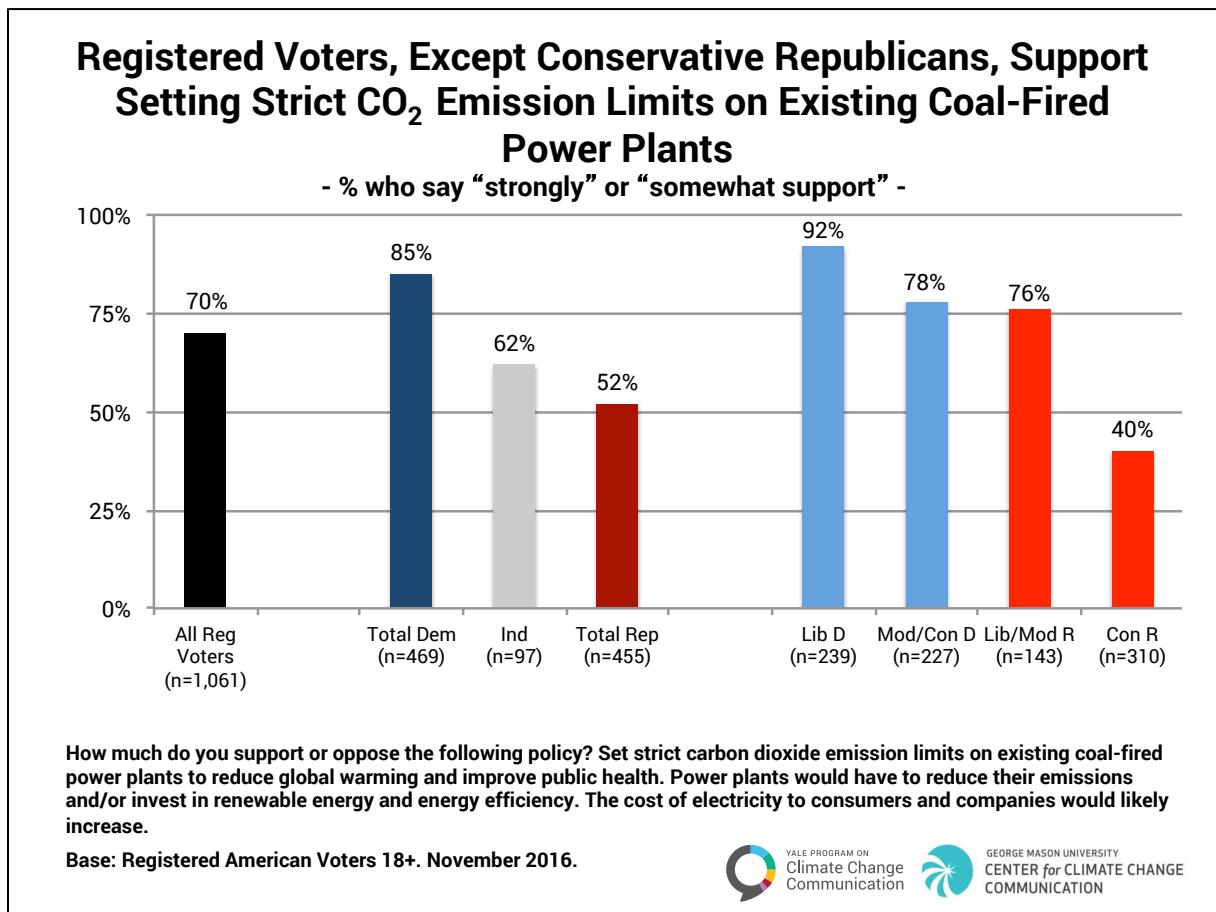
Liberal Democrats most strongly favor taking one or both approaches (95%), followed by moderate/conservative Democrats (85%), and liberal/moderate Republicans (82%). Even among conservative Republicans, 61% favor taking one or both approaches.



3.2. Registered voters, except conservative Republicans, support setting strict carbon dioxide emission limits on coal-fired power plants – a core component of the EPA’s Clean Power Plan.

Seven in ten registered voters (70%) support 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.

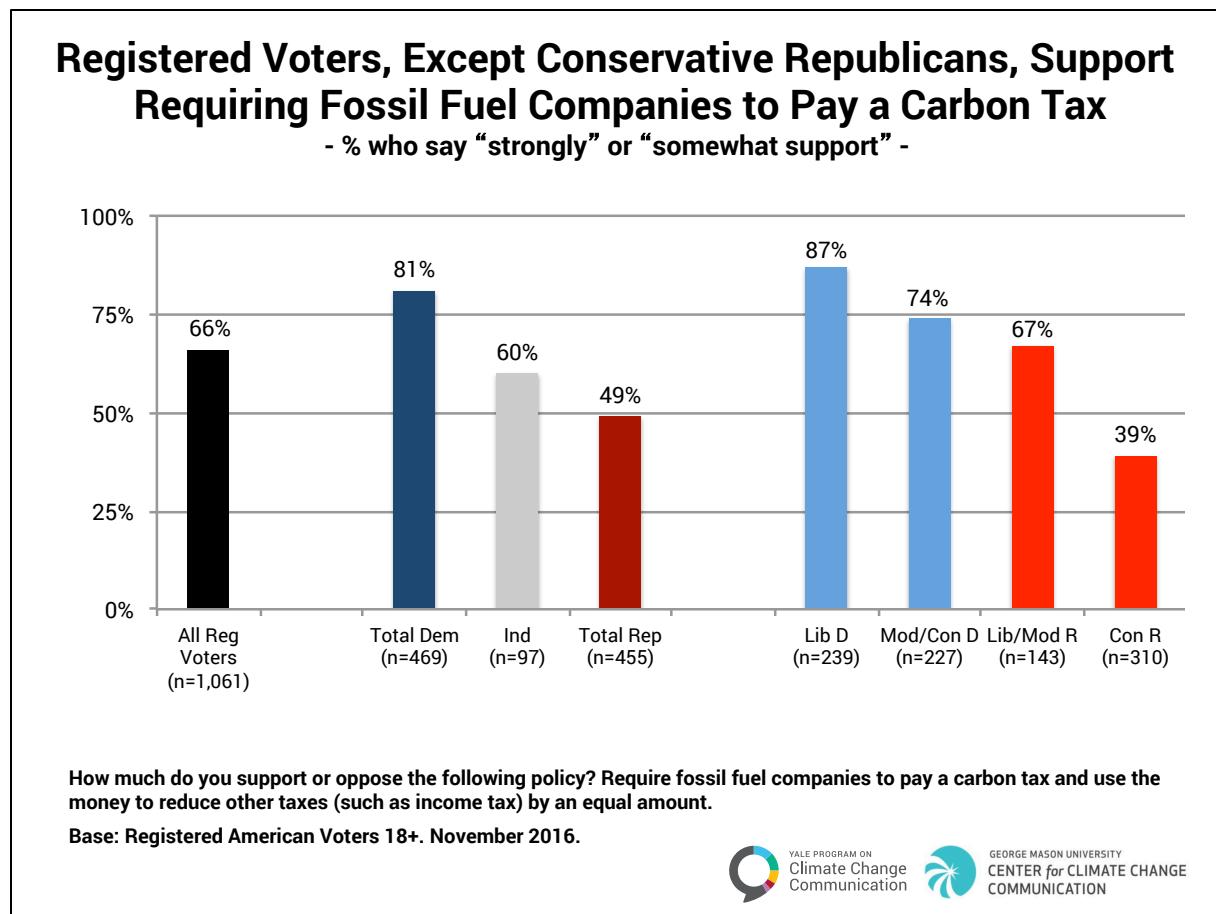
A majority of Democrats (85%), Independents (62%), and liberal/moderate Republicans (76%) support setting strict limits; four in ten (40%) conservative Republicans support such limits.



3.3. Registered voters, except conservative Republicans, support requiring fossil fuel companies to pay a carbon tax.

Two in three registered voters (66%) support 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 – a plan often referred to as a “revenue neutral carbon tax.”

Democrats (81%), Independents (60%), and liberal/moderate Republicans (67%) are all highly likely to support a revenue-neutral carbon tax. However, only 39% of conservative Republicans support it.



3.4. If Congress passes a fossil fuel tax, registered voters would prioritize investments in clean energy, infrastructure, assisting coal workers, and paying down the national debt.

If Congress were to pass a tax on fossil fuels to help reduce global warming, about eight in ten registered voters would like to see the money used to support the development of clean energy (solar, wind) (81%) and fund improvements to America's infrastructure (79%). Two in three or more would like to see the money used to assist workers in the coal industry who may lose their jobs as a result of the tax (73%) and to pay down the national debt (67%). The least popular uses of tax revenue are reducing corporate taxes (26%), reducing payroll taxes (46%), or returning the money directly to households in equal amounts (48%).

Democrats and Republicans share many of the same priorities for fossil fuel tax revenues. For instance, 82% of Democrats and 75% of Republicans would use some of the money to fund infrastructure, and 79% of Democrats and 65% of Republicans would assist displaced workers in the coal industry.

Democrats and Republicans differ most in how they would prioritize investment in clean energy: 94% of Democrats would use some of the tax money to do this, compared with 66% of Republicans.

If Congress Passes a Fossil Fuel Tax, Registered Voters Would Prioritize Investments in Clean Energy, Infrastructure, Assisting Coal Workers, and Paying Down the National Debt

- % who say "yes" -

		Democrats				Republicans		
Rank	All Reg Voters (1,061)	Total D (469)	Liberal D (239)	Moderate/ Conservative D (227)	Independent (97)	Total R (455)	Liberal/ Moderate R (143)	Conservative R (310)
1	Clean energy 81%	Clean energy 94%	Clean energy 96%	Clean energy 92%	Clean energy 79%	Infrastructure 75%	Clean energy 81%	Infrastructure 74%
2	Infrastructure 79%	Infrastructure 82%	Assist vulnerable 82%	Infrastructure 86%	Help coal workers 77%	Pay down debt 73%	Infrastructure 78%	Pay down debt 73%
3	Help coal workers 73%	Help coal workers 79%	Climate prep 81%	Help coal workers 80%	Infrastructure 76%	Clean energy 66%	Pay down debt 74%	↓ income tax 69%
4	Pay down debt 67%	Assist vulnerable 77%	Infrastructure 78%	Assist vulnerable 73%	Pay down debt 66%	↓ income tax 66%	Help coal workers 72%	Help coal workers 62%
5	↓ income tax 60%	Climate prep 73%	Help coal workers 78%	Pay down debt 67%	\$ to households 58%	Help coal workers 65%	↓ income tax 62%	Clean energy 58%
6	Assist vulnerable 58%	Pay down debt 62%	Pay down debt 58%	Climate prep 65%	Assist vulnerable 57%	↓ payroll tax 51%	↓ payroll tax 58%	↓ payroll tax 48%
7	Climate prep 55%	↓ income tax 54%	↓ income tax 48%	↓ income tax 60%	↓ income tax 56%	\$ to households 47%	Climate prep 54%	\$ to households 46%
8	\$ to households 48%	\$ to households 45%	\$ to households 40%	\$ to households 51%	Climate prep 52%	Assist vulnerable 35%	\$ to households 49%	↓ corporate tax 33%
9	↓ payroll tax 46%	↓ payroll tax 43%	↓ payroll tax 37%	↓ payroll tax 50%	↓ payroll tax 40%	Climate prep 34%	Assist vulnerable 47%	Assist vulnerable 29%
10	↓ corporate tax 26%	↓ corporate tax 20%	↓ corporate tax 21%	↓ corporate tax 20%	↓ corporate tax 16%	↓ corporate tax 33%	↓ corporate tax 33%	Climate prep 24%

Congress may consider a tax on fossil fuels (coal, oil, and natural gas) to help reduce global warming. If implemented, how would you like to see the money used [yes/no]?

Base: Registered American Voters 18+. March 2016.



Survey respondents were then asked what percentage of the total revenues from a fossil fuel tax they would allocate to each option they chose. For Democrats, Independents, and liberal/moderate Republicans, the largest allocation was for developing clean energy (18% of the budget allocated, on average, among all registered voters). The next highest allocation priorities among registered voters were improving America's infrastructure (15%), paying down the national debt (13%), and assisting workers in the coal industry (10%). The smallest allocation was for reducing corporate taxes (3%).

If Congress Passes a Fossil Fuel Tax, Registered Voters Would Allocate the Revenues to Clean Energy, Infrastructure, the National Debt, and Assisting Coal Workers

- Average % of total fossil fuel tax revenue allocated to each option -

Rank	All Reg Voters (1,061)	Democrats			Republicans			
		Total D (469)	Liberal D (239)	Moderate/ Conservative D (227)	Independent (97)	Total R (455)	Liberal/ Moderate R (143)	Conservative R (310)
1	Clean energy 18%	Clean energy 22%	Clean energy 24%	Clean energy 19%	Clean energy 16%	Pay down debt 18%	Clean energy 17%	Pay down debt 20%
2	Infrastructure 15%	Infrastructure 15%	Infrastructure 15%	Infrastructure 16%	Pay down debt 14%	Infrastructure 14%	Infrastructure 14%	Infrastructure 15%
3	Pay down debt 13%	Help coal workers 11%	Climate prep 12%	Pay down debt 10%	Infrastructure 13%	Clean energy 13%	Pay down debt 14%	↓ income tax 12%
4	Help coal workers 10%	Assist vulnerable 10%	Help coal workers 11%	Help coal workers 10%	Help coal workers 11%	↓ income tax 11%	Help coal workers 10%	Clean energy 11%
5	↓ income tax 9%	Climate prep 10%	Assist vulnerable 10%	Assist vulnerable 10%	\$ to households 10%	Help coal workers 10%	↓ income tax 9%	Help coal workers 11%
6	\$ to households 8%	Pay down debt 10%	Pay down debt 9%	↓ income tax 9%	↓ income tax 10%	\$ to households 8%	\$ to households 8%	↓ payroll tax 7%
7	Assist vulnerable 7%	↓ income tax 8%	↓ income tax 6%	\$ to households 8%	Assist vulnerable 7%	↓ payroll tax 8%	↓ payroll tax 8%	\$ to households 7%
8	Climate prep 7%	\$ to households 7%	\$ to households 5%	Climate prep 8%	Climate prep 5%	Assist vulnerable 4%	Climate prep 6%	↓ corporate tax 5%
9	↓ payroll tax 6%	↓ payroll tax 5%	↓ payroll tax 4%	↓ payroll tax 7%	↓ payroll tax 5%	↓ corporate tax 4%	Assist vulnerable 6%	Assist vulnerable 4%
10	↓ corporate tax 3%	↓ corporate tax 2%	↓ corporate tax 2%	↓ corporate tax 2%	↓ corporate tax 2%	Climate prep 4%	↓ corporate tax 3%	Climate prep 3%

Displayed below are the ways you said you would like to see fossil fuel tax money spent. What percentage of the total fossil fuel tax revenues would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%.

Base: Registered American Voters 18+. March 2016.



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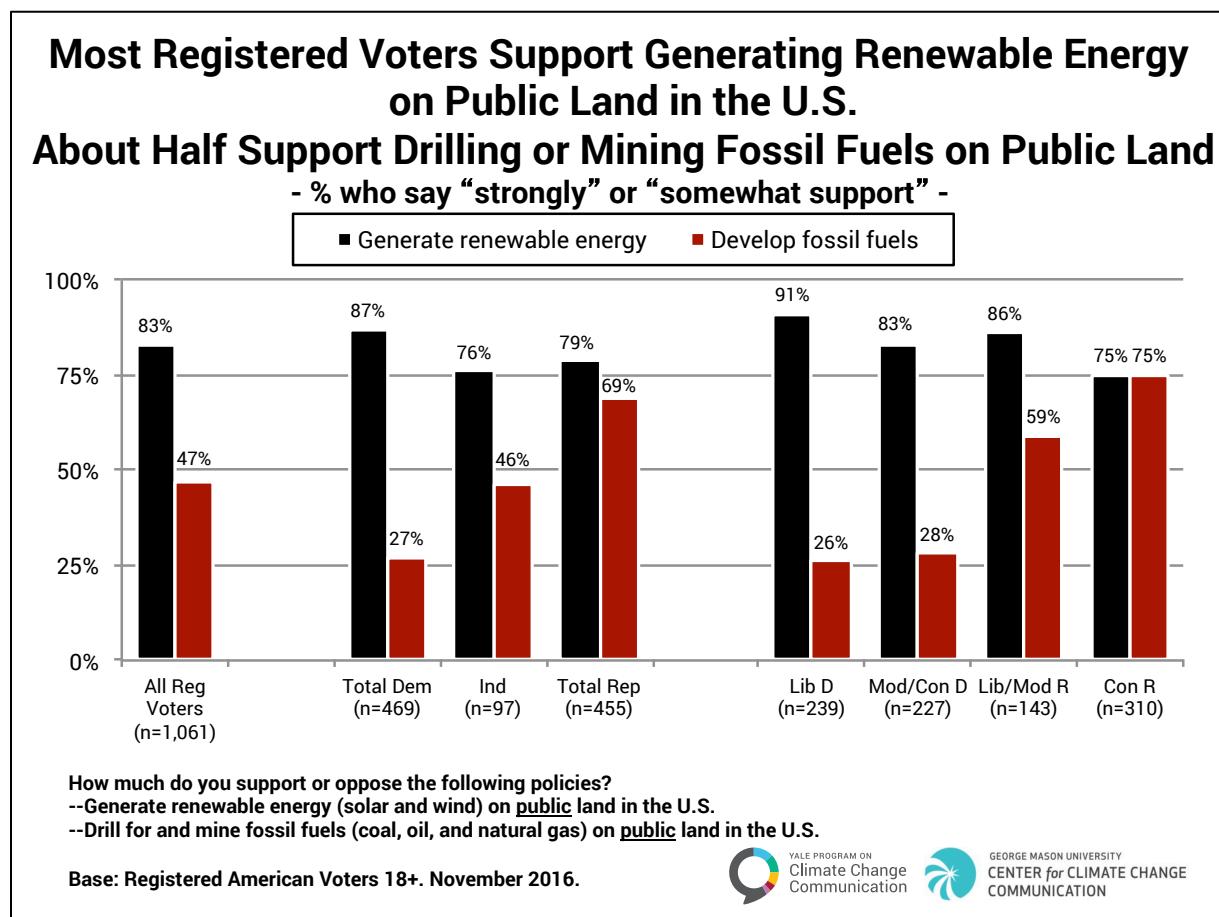


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3.5. Most registered voters support generating renewable energy on public land in the U.S. About half support drilling or mining fossil fuels on public land.

Registered voters across the political spectrum support generating renewable energy (solar and wind) on public land in the U.S. This policy has the support of more than eight in ten (83%) of registered voters, including Democrats (87%), Republicans (79%), and Independents (76%).

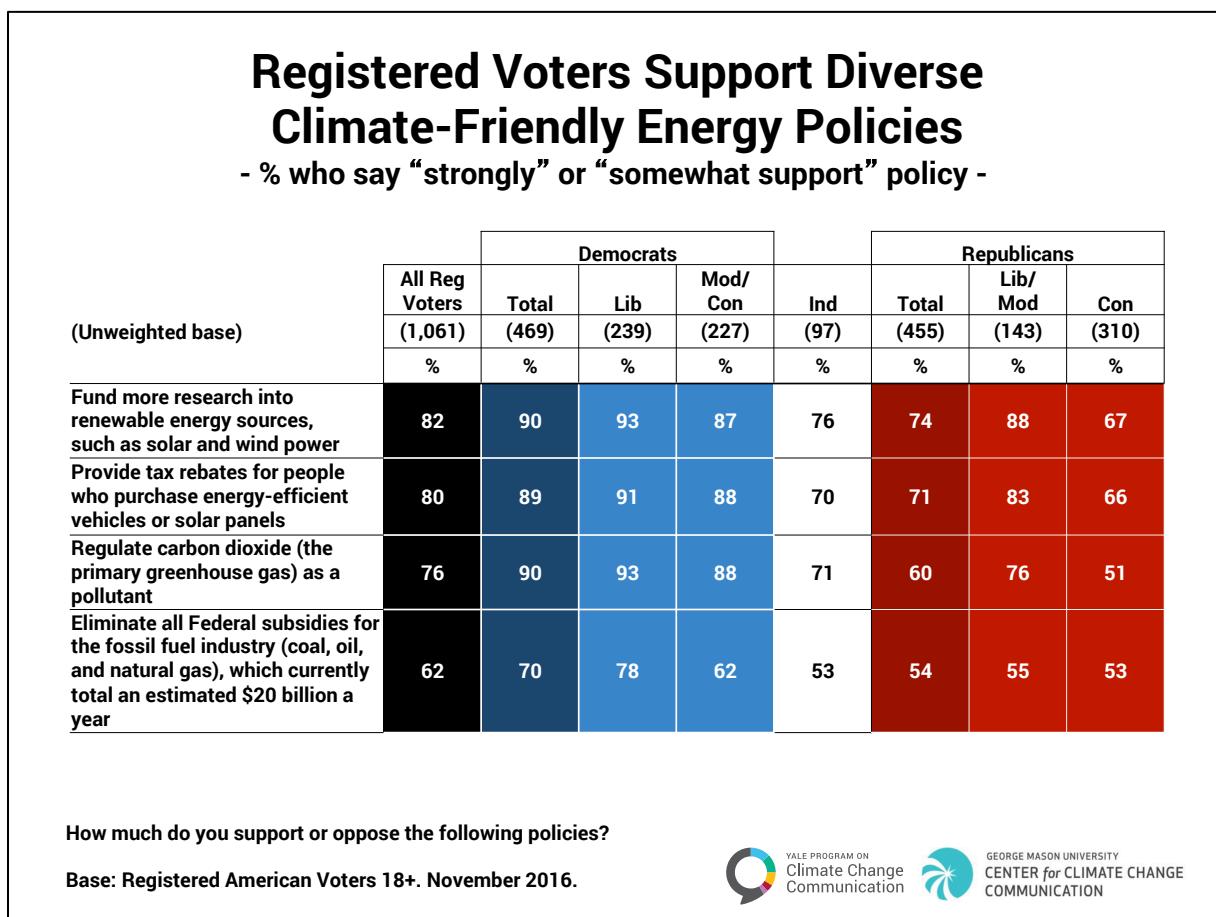
In contrast, about half of registered voters (47%) support drilling for and mining fossil fuels (coal, oil, and natural gas) on U.S. public land. Seven in ten Republicans support this policy (69%), as do about half of Independents (46%), and about one quarter of Democrats (27%). All political subgroups, except conservative Republicans, support using public land to generate renewable energy more than to develop fossil fuels – conservative Republicans support both equally.



3.6. Registered voters support diverse climate-friendly energy policies.

Registered voters support diverse 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, including:

- Funding more research into renewable energy sources such as solar and wind power (82% of all registered voters, 90% of Democrats, 76% of Independents, and 74% of Republicans).
- Providing tax rebates to people who purchase energy-efficient vehicles or solar panels (80% of all registered voters, 89% of Democrats, 70% of Independents, and 71% of Republicans).
- Regulating carbon dioxide as a pollutant (76% of all registered voters, 90% of Democrats, 71% of Independents, and 60% of Republicans).
- Eliminating all Federal subsidies for the fossil fuel industry (62% of all registered voters, 70% of Democrats, 53% of Independents, and 54% of Republicans).



3.7. A large majority of registered voters say the Federal government should prepare for the impacts of global warming.

Seven in ten or more registered voters say the Federal government should make it a priority to prepare for the impacts of global warming on public water supplies (76%), agriculture (75%), people's health (74%), and the electricity system (71%).

Six in ten or more say preparing for global warming's impacts on coastlines/wetlands (68%), forests/wildfires (67%), transportation/roads/bridges (67%), and public sewer systems (64%) should be a priority; about half (52%) say preparing for global warming's impacts on state and local parks should be a priority.

A Large Majority of Registered Voters Say the Federal Government Should Prepare For the Impacts of Global Warming - % who say "medium" or "high" priority -

(Unweighted base)	Democrats				Republicans			
	All Reg Voters	Total	Lib	Mod/Con	Ind	Total	Lib/Mod	Con
	(1,061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Public water supplies	76	91	91	91	69	61	78	53
Agriculture	75	88	89	87	64	61	80	52
People's health	74	89	89	89	64	57	70	51
The electricity system	71	84	86	83	62	58	76	49
Coastlines/wetlands	68	83	89	78	62	51	70	41
Forests/wildfires	67	82	83	81	59	51	67	43
Transportation/roads/bridges	67	81	80	80	59	53	65	47
Public sewer systems	64	77	77	76	56	50	66	42
State and local parks	52	66	65	66	44	36	51	29

In your opinion, how much priority should the Federal government give to preparing for the impacts of global warming on...

Base: Registered American Voters 18+. November 2016.



4. Support for Transitioning From Fossil Fuels to Clean Energy

4.1. Most registered voters think the U.S. should use more renewable energy and less fossil fuel.

A large majority of registered voters (81%) say that, in the future, the U.S. should use more renewable energy sources (solar, wind, and geothermal), and 61% say the U.S. should begin to do so “immediately.” This is the case across the political spectrum – with three in four or more Democrats (85%), Independents (78%), and Republicans (76%) saying the U.S. should use more renewable energy.

A majority of registered voters (55%) also say that, in the future, the U.S. should use less fossil fuel (coal, oil, and natural gas), with 38% saying that this should begin “immediately.” Majorities of Democrats (68%), and Independents (52%) say the U.S. should use less fossil fuel. A plurality of Republicans (39%) also say the U.S. should use less fossil fuel.

Most Registered Voters Think the U.S. Should Use More Renewable Energy And Less Fossil Fuel

(Unweighted base)	All Reg Voters (1,061)	Democrats				Republicans				
		Total	Lib	Mod/ Con	Ind	Total	Lib/ Mod	Con		
		(469)	(239)	(227)	(97)	(455)	(143)	(310)		
		%	%	%	%	%	%	%		
Use renewable energy sources (solar, wind, and geothermal)...										
Much/somewhat more than today		81	85	88	82	78	76	80	74	
Much/somewhat less than today		3	2	1	3	2	5	5	5	
Same amount as today		7	4	4	4	7	11	7	13	
<i>Net: more - less =</i>		+78	+83	+87	+79	+76	+71	+75	+69	
Use fossil fuels (coal, oil, and natural gas)...										
Much/somewhat more than today		17	9	10	8	18	27	22	29	
Much/somewhat less than today		55	68	75	62	52	39	46	35	
Same amount as today		16	10	5	16	15	25	18	28	
<i>Net: more - less =</i>		-38	-59	-65	-54	-34	-12	-24	-6	

In the future, do you think the United States should use renewable energy sources (solar, wind, and geothermal) less, more, or the same amount as we do today?

In the future, do you think the United States should use fossil fuels (coal, oil, and natural gas) less, more, or the same amount as we do today?

Base: Registered American Voters 18+. November 2016.



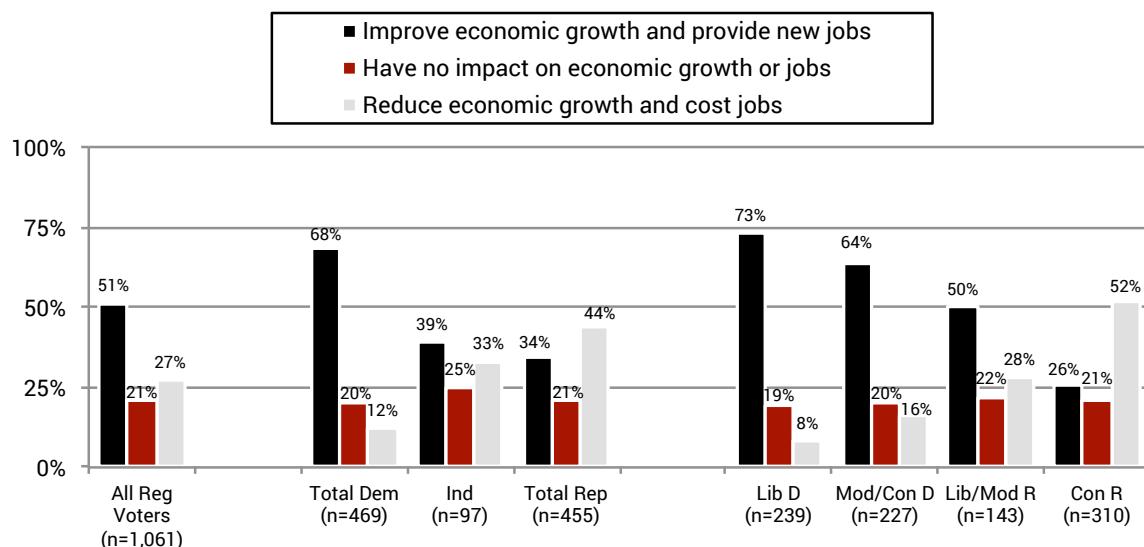
4.2. Most registered voters think transitioning from fossil fuels to clean energy will improve economic growth and create jobs.

Half of registered voters (51%) think government policies intended to transition away from fossil fuels and toward clean energy will improve economic growth and provide new jobs. An additional one in five (21%) think it will have no impact on the economy or jobs. Only about one in four (27%) think it will reduce economic growth and cost jobs.

Democrats (88%) are the most likely to think policies to transition from fossil fuels to clean energy will *either* improve economic growth and provide new jobs or have no impact. A majority of Independents (64%) and Republicans (55%) also think a clean energy transition will improve the economy or have no impact, although 52% of conservative Republicans believe it would *reduce* economic growth and cost jobs.

Most Registered Voters Think Transitioning From Fossil Fuels to Clean Energy Will Improve Economic Growth and Create Jobs

-Only conservative Republicans think it will reduce growth and cost jobs-



Please indicate which of these statements comes closest to your own views—even if it is not exactly right:
“Overall, government policies intended to transition away from fossil fuels (coal, oil, natural gas) and toward clean energy (solar, wind) will...”

Base: Registered American Voters 18+. November 2016.

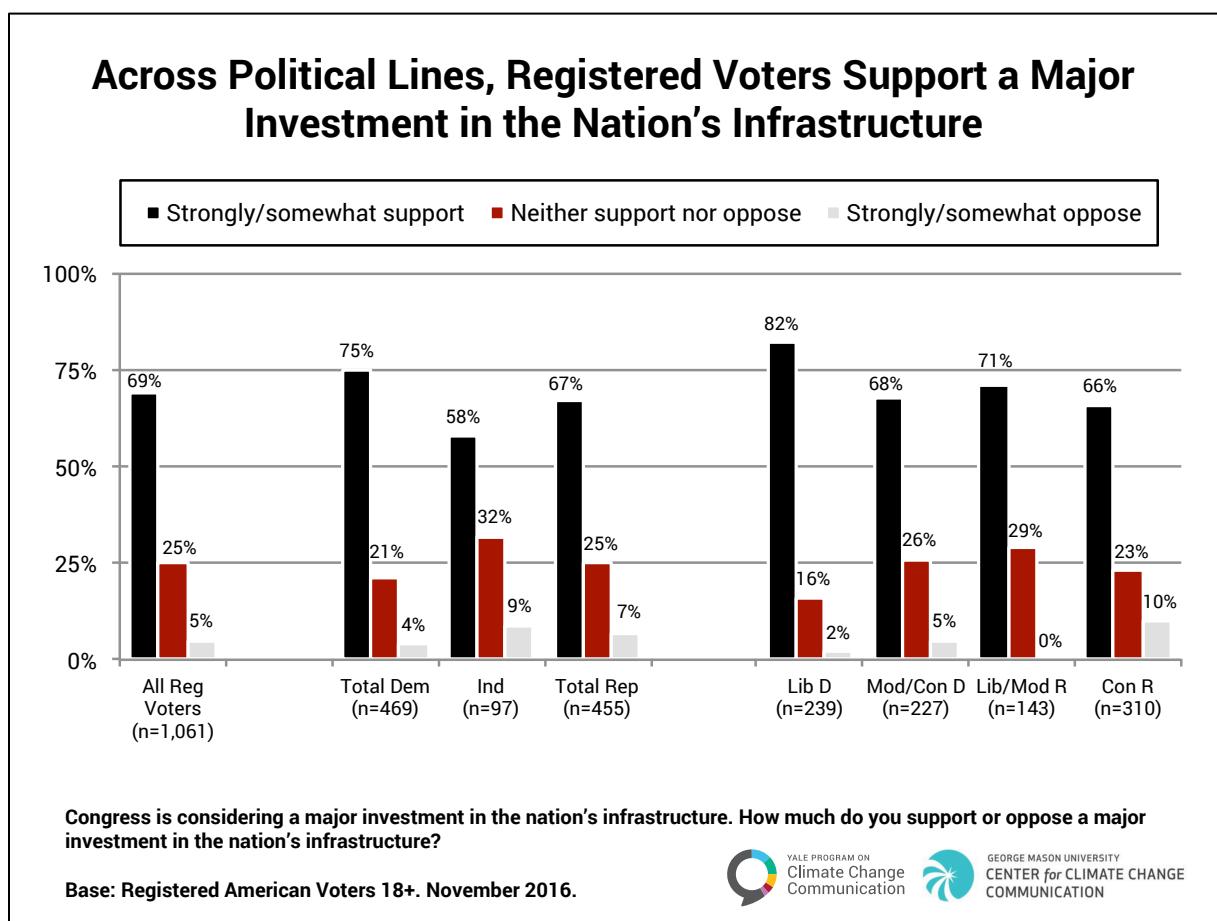


5. Support for Infrastructure Investments

5.1. Across political lines, registered voters support a major investment in the nation's infrastructure.

Seven in ten registered voters (69%) support a major government investment in the nation's infrastructure. Majorities of Democrats (75%, 82% of liberal Democrats), Independents (58%), and Republicans (67%, 66% of conservative Republicans) support a major investment in the nation's infrastructure.

Only one in twenty (5%) registered voters oppose a major investment in infrastructure, while one in four (25%) are neutral.



5.2. Across political lines, registered voters' highest priorities for infrastructure improvements are roads/bridges and water systems, followed by the electricity grid.

If Congress were to invest in the nation's infrastructure, nearly all registered voters, across political lines, would prioritize using the money to repair and improve the nation's roads, bridges, and highways (94%) and repair and improve public water supply systems (92%).

Eight in ten or more would allocate funds to modernize and upgrade the nation's electricity grid (84%) and repair and improve dams and levees (81%). About seven in ten would allocate funds to repair and improve National Parks (71%) and install solar panels and wind turbines across the country (69%). More than six in ten would allocate funds to repair and improve the nation's ports and harbors (67%), modernize and upgrade the nation's oil pipelines and natural gas lines (64%), and repair and improve the nation's airports (62%).

Democrats and Republicans differ most in their preference for investments to install solar panels and wind turbines across the country (81% of Democrats favor, versus 54% of Republicans), and modernize and improve oil pipelines and gas lines (75% of Republicans favor, versus 54% of Democrats).

Across Political Lines, Registered Voters' Highest Priorities For Infrastructure Improvements Are Roads/Bridges and Water Systems - % who say "yes" -

		Democrats				Republicans		
	All Reg Voters	Total D	Liberal D	Moderate/ Conservative D	Independent	Total R	Liberal/ Moderate R	Conservative R
Rank	(1,061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
1	Roads/bridges 94%	Water systems 95%	Water systems 97%	Roads/bridges 96%	Roads/bridges 96%	Roads/bridges 93%	Water systems 93%	Roads/bridges 94%
2	Water systems 92%	Roads/bridges 94%	Roads/bridges 92%	Water systems 93%	Water systems 94%	Water systems 89%	Roads/bridges 92%	Water systems 87%
3	Electricity grid 84%	Electricity grid 84%	Electricity grid 89%	Dams/levees 82%	Electricity grid 83%	Electricity grid 82%	Electricity grid 83%	Dams/levees 85%
4	Dams/levees 81%	Dams/levees 83%	Solar/wind 86%	Electricity grid 79%	Dams/levees 78%	Dams/levees 82%	Dams/levees 75%	Electricity grid 82%
5	Nat'l Parks 71%	Solar/wind 81%	Dams/levees 83%	Solar/wind 76%	Nat'l Parks 72%	Pipelines 75%	Pipelines 71%	Pipelines 77%
6	Solar/wind 69%	Nat'l Parks 77%	Nat'l Parks 81%	Nat'l Parks 73%	Solar/wind 67%	Nat'l Parks 64%	Nat'l Parks 68%	Ports/harbors 64%
7	Ports/harbors 67%	Ports/harbors 71%	Ports/harbors 74%	Ports/harbors 67%	Airports 66%	Ports/harbors 63%	Airports 66%	Airports 64%
8	Pipelines 64%	Airports 62%	Airports 65%	Airports 59%	Pipelines 66%	Airports 62%	Ports/harbors 62%	Nat'l Parks 62%
9	Airports 62%	High-speed rail 58%	High-speed rail 58%	Pipelines 53%	Ports/harbors 65%	Solar/wind 54%	Airports 59%	Solar/wind 48%
10	High-speed rail 48%	EV Chargers 58%	EV Chargers 64%	High-speed rail 52%	High-speed rail 45%	High-speed rail 38%	High-speed rail 43%	High-speed rail 35%
11	EV Chargers 44%	Pipelines 54%	Pipelines 56%	EV Chargers 52%	EV Chargers 30%	EV Chargers 30%	EV Chargers 46%	EV Chargers 21%

If Congress were to invest in the nation's infrastructure, how would you like to see the money used [yes/no]?

Base: Registered American Voters 18+. March 2016.



Survey respondents were then asked what percentage of the total infrastructure investment they would like to see allocated to each option they chose. Across the political spectrum, the largest allocation was for improving the nation's roads, bridges, and highways (20% of the budget allocated, on average, among all registered voters), followed by repairing and improving public water supply systems (14%).

The next largest allocations – at about ten percent of the infrastructure budget, on average – were to modernize and upgrade the nation's electricity grid (11%) and install solar panels and wind turbines across the country (10%).

Across Political Lines, Registered Voters' Highest Infrastructure Spending Priorities Are Roads/Bridges and Water Systems

- Average % of total infrastructure spending allocated to each option -

		Democrats				Republicans		
	All Reg Voters	Total D	Liberal D	Moderate/ Conservative D	Independent	Total R	Liberal/ Moderate R	Conservative R
Rank	(1,061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
1	Roads/bridges 20%	Roads/bridges 19%	Roads/bridges 17%	Roads/bridges 21%	Roads/bridges 21%	Roads/bridges 20%	Roads/bridges 17%	Roads/bridges 22%
2	Water systems 14%	Water systems 15%	Water systems 14%	Water systems 15%	Water systems 15%	Water systems 13%	Water systems 15%	Water systems 13%
3	Electricity grid 11%	Solar/wind 11%	Solar/wind 13%	Solar/wind 10%	Electricity grid 12%	Electricity grid 12%	Electricity grid 12%	Electricity grid 12%
4	Solar/wind 10%	Electricity grid 10%	Electricity grid 11%	Electricity grid 9%	Solar/wind 9%	Pipelines 10%	Solar/wind 9%	Pipelines 10%
5	Dams/levees 8%	Nat'l Parks 8%	High-speed rail 8%	Dams/levees 8%	Nat'l Parks 8%	Dams/levees 8%	Dams/levees 8%	Dams/levees 9%
6	Nat'l Parks 7%	Dams/levees 8%	Nat'l Parks 8%	Nat'l Parks 7%	Dams/levees 8%	Solar/wind 8%	Dams/levees 8%	Solar/wind 7%
7	Pipelines 7%	High-speed rail 7%	Dams/levees 7%	Ports/harbors 6%	Pipelines 8%	Nat'l Parks 6%	Nat'l Parks 7%	Airports 7%
8	High-speed rail 6%	Ports/harbors 6%	Ports/harbors 6%	High-speed rail 6%	High-speed rail 6%	Airports 6%	Ports/harbors 6%	Nat'l Parks 6%
9	Ports/harbors 6%	Airports 5%	Airports 5%	Airports 5%	Airports 5%	Ports/harbors 6%	High-speed rail 5%	Ports/harbors 6%
10	Airports 5%	Pipelines 5%	Pipelines 5%	Pipelines 5%	Ports/harbors 5%	High-speed rail 5%	Airports 5%	High-speed rail 4%
11	EV Chargers 4%	EV Chargers 5%	EV Chargers 5%	EV Chargers 5%	EV Chargers 2%	EV Chargers 2%	EV Chargers 4%	EV Chargers 2%

Displayed below are the ways you said you would like to see the nation's infrastructure money spent. What percentage of the total infrastructure investment would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%.

Base: Registered American Voters 18+. March 2016.



Appendix I: Data Tables

One year ago, the United States signed an international agreement in Paris with 196 other countries to limit the pollution that causes global warming. Do you think the U.S. should participate in this agreement, or not participate?

	Total Registered Voters	Democrats			Mod/ Con	Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con			Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)	
	%	%	%	%	%	%	%	%	%
Should participate	69	86	92	79	61	51	73	40	
Should not participate	13	3	1	4	16	26	12	34	
Don't know	17	11	7	16	22	22	15	26	

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

	Total Registered Voters	Democrats			Mod/ Con	Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con			Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)	
	%	%	%	%	%	%	%	%	%
Regardless of what other countries do	66	79	85	74	56	51	61	45	
Only if other industrialized countries (such as England, Germany, and Japan) reduce their emissions	3	3	2	3	--	3	3	3	
Only if other industrialized countries and developing countries (such as China, India, and Brazil) reduce their emissions	8	3	3	3	12	14	11	16	
The U.S. should not reduce its emissions	7	3	1	4	9	11	4	14	
Don't know	17	12	10	15	22	21	21	21	

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	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	72	87	92	83	66	53	64	47
Much more	39	55	65	46	35	20	27	16
More	33	32	27	37	31	34	38	31
Currently doing the right amount	16	7	4	10	20	25	25	26
Much less/Less	12	5	4	7	14	20	10	26
Less	6	4	3	4	7	9	7	10
Much Less	6	2	1	2	7	11	4	15

Citizens themselves

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	65	80	87	74	56	47	58	41
Much more	25	35	44	26	22	11	20	7
More	40	45	43	48	34	36	38	34
Currently doing the right amount	22	15	10	20	27	32	32	32
Much less/Less	12	5	3	6	16	21	9	26
Less	7	4	3	5	8	10	7	11
Much Less	5	*	--	1	8	11	2	15

The U.S. Congress

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	63	84	90	78	57	38	58	28
Much more	30	47	60	35	26	10	20	4
More	33	37	31	43	31	28	38	24
Currently doing the right amount	20	11	7	15	19	32	29	34
Much less/Less	16	5	3	7	24	29	12	38
Less	9	3	1	5	15	14	9	17
Much Less	8	2	1	2	9	15	3	21

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

President-elect Trump

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	62	84	90	79	56	36	55	25
Much more	35	58	68	47	24	10	21	5
More	27	26	22	32	33	25	34	20
Currently doing the right amount	23	9	6	12	24	39	33	43
Much less/Less	15	7	5	8	20	24	11	31
Less	7	4	2	6	9	12	8	14
Much Less	7	3	3	3	11	12	3	17

Your member of Congress

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	59	78	83	73	53	36	55	25
Much more	25	36	43	29	24	9	18	5
More	35	42	40	44	29	27	37	20
Currently doing the right amount	24	16	13	20	23	35	29	39
Much less/Less	16	5	3	7	23	28	14	35
Less	9	4	2	6	13	15	10	17
Much Less	7	1	1	1	10	13	4	18

Your governor

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/More	56	73	80	66	51	33	54	23
Much more	21	30	35	24	23	9	17	4
More	35	43	45	42	28	25	37	18
Currently doing the right amount	29	22	17	26	26	40	35	43
Much less/Less	15	5	2	8	23	26	11	34
Less	8	4	1	6	13	13	6	16
Much Less	7	1	1	1	10	13	5	17

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

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Low	24	4	2	7	33	45	22	56
Medium	26	22	18	25	27	31	34	29
High	28	40	37	43	23	15	22	12
Very High	22	34	43	25	15	8	21	2

Governments can reduce the pollution that causes global warming in two main ways:

- 1) **Tax pollution** (require companies to pay a tax on the pollution they emit, which encourages them to reduce their emissions)
- 2) **Regulate pollution** (legally require companies to limit the amount of pollution they emit)

In general, which of these two approaches to reducing the pollution that causes global warming do you prefer, if either?

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Tax pollution	12	10	12	8	8	15	15	15
Regulate pollution	17	17	14	20	14	19	18	20
Do both - Regulate and tax pollution	49	63	69	58	46	33	49	25
Do neither	10	1	--	3	15	19	7	25
Don't know	12	9	6	12	16	13	9	15

How much do you support or oppose the following polies?

Set strict carbon dioxide emission limits on existing coal-fired power plants to reduce global warming and improve public health. Power plants would have to reduce their emissions and/or invest in renewable energy and energy efficiency. The cost of electricity to consumers and companies would likely increase.

	Total Registered Voters	Democrats				Total	Republicans	
		Total	Liberal	Mod/ Con	Ind/ Other		Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	70	85	92	78	62	52	76	40
Strongly support	23	34	46	22	20	12	21	7
Somewhat support	46	51	46	56	43	40	55	32
Strongly/Somewhat oppose	30	14	8	21	38	47	23	59
Somewhat oppose	15	9	7	12	18	22	13	27
Strongly oppose	14	5	1	9	20	25	10	32

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				Total	Republicans	
		Total	Liberal	Mod/ Con	Ind/ Other		Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	66	81	87	74	60	49	67	39
Strongly support	24	36	44	27	21	9	15	6
Somewhat support	43	45	44	46	39	40	52	34
Strongly/Somewhat oppose	33	19	13	26	40	50	31	60
Somewhat oppose	19	14	10	18	19	26	20	29
Strongly oppose	14	5	3	8	21	24	12	31

Congress may consider a tax on fossil fuels (coal, oil, and natural gas) to help reduce global warming. If implemented, how would you like to see the tax money used? Please respond "yes" or "no" for each option.

(If "Yes") Displayed below are the ways you said you would like to see fossil fuel tax money spent. What percentage of the total fossil fuel tax revenues would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated]

Support the development of clean energy (solar, wind)

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	81	94	96	92	79	66	81	58
No	19	6	4	8	21	34	18	41
% Allocated	18	22	24	19	16	13	17	11

Fund improvements to America's infrastructure (roads, bridges, etc.)

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	79	82	78	86	76	75	78	74
No	21	18	22	14	24	25	22	25
% Allocated	15	15	15	16	13	14	14	15

Assist workers in the coal industry that may lose their jobs as a result of the tax

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	73	79	78	80	77	65	72	62
No	27	21	22	20	23	34	27	37
% Allocated	10	11	11	10	11	10	10	11

Congress may consider a tax on fossil fuels (coal, oil, and natural gas) to help reduce global warming. If implemented, how would you like to see the tax money used? Please respond "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see fossil fuel tax money spent. What percentage of the total fossil fuel tax revenues would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Pay down the national debt

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	67	62	58	67	66	73	74	73
No	33	38	42	33	34	26	25	26
% Allocated	13	10	9	10	14	18	14	20

Reduce Federal income taxes

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	60	54	48	60	56	66	62	69
No	40	46	52	40	44	33	37	31
% Allocated	9	8	6	9	10	11	9	12

Assist low-income communities that are most vulnerable to the impacts of global warming

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	58	77	82	73	57	35	47	29
No	42	23	18	27	43	64	52	70
% Allocated	7	10	10	10	7	4	6	4

Congress may consider a tax on fossil fuels (coal, oil, and natural gas) to help reduce global warming. If implemented, how would you like to see the tax money used? Please respond "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see fossil fuel tax money spent. What percentage of the total fossil fuel tax revenues would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Fund programs to help American communities prepare for and adapt to global warming

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	55	73	81	65	52	34	54	24
No	44	27	19	35	48	65	46	75
% Allocated	7	10	12	8	5	4	6	3

Return the money to all American households in equal amounts

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	48	45	40	51	58	47	49	46
No	51	55	60	49	42	52	50	53
% Allocated	8	7	5	8	10	8	8	7

Reduce Federal payroll taxes (Social Security and Medicare taxes that are deducted from paychecks)

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	46	43	37	50	40	51	58	48
No	53	57	63	50	60	48	41	51
% Allocated	6	5	4	7	5	8	8	7

Congress may consider a tax on fossil fuels (coal, oil, and natural gas) to help reduce global warming. If implemented, how would you like to see the tax money used? Please respond "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see fossil fuel tax money spent. What percentage of the total fossil fuel tax revenues would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Reduce corporate taxes

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	26	20	21	20	16	33	33	33
No	74	80	79	80	84	66	66	66
% Allocated	3	2	2	2	2	4	3	5

How much do you support or oppose the following policies?

Generate renewable energy (solar and wind) on public land in the U.S.

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	83	87	91	83	76	79	86	75
Strongly support	36	46	55	38	33	24	32	20
Somewhat support	47	41	37	45	43	55	54	55
Strongly/Somewhat oppose	17	12	9	16	24	20	13	25
Somewhat oppose	11	10	6	12	17	10	7	13
Strongly oppose	6	3	2	3	7	10	6	12

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

Drill for and mine fossil fuels (coal, oil, and natural gas) on public land in the U.S.

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	47	27	26	28	46	69	59	75
Strongly support	13	6	6	6	15	21	14	25
Somewhat support	34	21	21	22	31	48	45	49
Strongly/Somewhat oppose	53	73	74	72	54	30	40	25
Somewhat oppose	28	34	29	39	32	20	26	17
Strongly oppose	25	39	45	33	22	10	14	8

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

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	82	90	93	87	76	74	88	67
Strongly support	39	55	65	44	35	22	31	17
Somewhat support	43	35	28	43	41	52	57	49
Strongly/Somewhat oppose	17	9	6	12	24	25	10	32
Somewhat oppose	11	8	5	10	16	14	7	18
Strongly oppose	6	2	1	2	8	10	4	14

Provide tax rebates for people who purchase energy-efficient vehicles or solar panels.

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	80	89	91	88	70	71	83	66
Strongly support	36	48	53	44	29	24	34	18
Somewhat support	44	41	38	44	41	48	49	47
Strongly/Somewhat oppose	19	11	9	12	30	28	16	34
Somewhat oppose	11	8	8	8	21	13	9	15
Strongly oppose	8	2	1	4	9	15	7	18

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

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

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	76	90	93	88	71	60	76	51
Strongly support	31	47	59	36	29	14	23	10
Somewhat support	44	43	34	52	42	46	53	41
Strongly/Somewhat oppose	24	10	7	12	29	39	22	48
Somewhat oppose	13	7	4	10	14	20	13	24
Strongly oppose	10	2	3	2	15	19	9	24

Eliminate all Federal subsidies for the fossil fuel industry (coal, oil, and natural gas), which currently total an estimated \$20 billion a year

	Total Registered Voters	Democrats				Republicans		
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	62	70	78	62	53	54	55	53
Strongly support	22	30	34	26	20	12	12	12
Somewhat support	40	40	44	36	34	42	43	41
Strongly/Somewhat oppose	37	30	22	37	45	45	43	46
Somewhat oppose	27	25	18	31	34	29	30	29
Strongly oppose	10	5	4	6	12	16	13	17

In your opinion, how much priority should the Federal Government give to preparing for the impacts of global warming on...

Public water supplies

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	7	1	1	*	10	14	3	20
Low priority	8	4	4	4	5	12	9	15
Medium priority	22	21	19	23	29	22	18	24
High priority	54	70	72	68	40	40	60	29
Don't know	8	4	4	4	15	11	9	12

Agriculture

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	7	1	1	*	10	15	3	21
Low priority	9	7	7	6	7	11	5	15
Medium priority	28	28	25	31	29	28	34	26
High priority	47	59	64	56	36	33	46	26
Don't know	9	5	3	6	16	11	9	12

People's health

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	8	2	2	1	10	15	4	21
Low priority	10	5	6	4	8	16	16	15
Medium priority	24	23	20	27	22	24	24	24
High priority	50	66	69	62	42	33	46	27
Don't know	8	4	3	5	16	11	9	12

In your opinion, how much priority should the Federal Government give to preparing for the impacts of global warming on... (Cont'd.)

The electricity system

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	8	1	1	2	9	16	3	23
Low priority	11	9	8	9	12	14	9	16
Medium priority	36	41	39	43	32	32	38	28
High priority	35	43	47	40	31	26	38	21
Don't know	9	6	5	6	15	11	10	12

Coastlines/wetlands

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	8	1	1	1	9	16	3	23
Low priority	14	9	5	13	11	20	17	22
Medium priority	34	36	33	39	31	32	37	30
High priority	34	47	56	39	32	19	33	11
Don't know	10	5	4	7	16	12	9	13

Forests/wildfires

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
No priority at all	8	2	1	2	9	17	4	23
Low priority	15	10	11	10	15	20	20	21
Medium priority	32	36	35	36	27	29	30	30
High priority	35	47	48	45	32	22	37	14
Don't know	9	5	4	7	15	11	9	12

In your opinion, how much priority should the Federal Government give to preparing for the impacts of global warming on... (Cont'd.)

Transportation/roads/bridges

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
%	%	%	%	%	%	%	%	%
No priority at all	8	2	2	1	12	16	4	22
Low priority	14	12	13	12	11	18	18	18
Medium priority	38	41	42	39	41	35	41	32
High priority	29	40	39	41	18	19	25	15
Don't know	9	5	4	6	16	12	11	12

Public sewer systems

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
%	%	%	%	%	%	%	%	%
No priority at all	9	2	3	1	10	17	4	24
Low priority	17	16	16	16	15	21	20	21
Medium priority	33	38	38	37	34	29	32	27
High priority	30	39	39	39	22	21	34	14
Don't know	9	5	5	6	17	11	9	13

State and local parks

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
%	%	%	%	%	%	%	%	%
No priority at all	10	2	1	3	13	20	6	28
Low priority	27	26	28	23	25	31	32	30
Medium priority	32	38	36	39	27	25	30	23
High priority	20	28	29	27	16	11	20	6
Don't know	10	6	6	6	16	12	10	13

In the future, do you think the United States should use renewable energy sources (solar, wind, and geothermal) less, more, or the same amount as we do today?

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/Somewhat more	81	85	88	82	78	76	80	74
Much more than today	58	70	77	63	49	45	59	38
Somewhat more than today	23	15	10	19	29	31	22	36
Same amount as today	7	4	4	4	7	11	7	13
Much less/Somewhat less	3	2	1	3	2	5	5	5
Somewhat less than today	1	1	--	1	1	1	1	1
Much less than today	2	2	1	2	1	4	4	4
Don't know	7	8	7	9	11	7	7	6

(If "Much More/Somewhat More") How soon do you think we should start increasing renewable energy use in the United States?

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(982)	(443)	(234)	(208)	(89)	(371)	(131)	(238)
	%	%	%	%	%	%	%	%
Immediately	76	82	91	72	75	68	81	61
Within [0-99] years	14	10	5	15	16	19	13	23
Don't know	9	7	3	12	9	11	4	13

In the future, do you think the United States should use fossil fuels (coal, oil, and natural gas) less, more, or the same amount as we do today?

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Much more/Somewhat more	17	9	10	8	18	27	22	29
Much more than today	6	3	3	2	6	10	4	13
Somewhat more than today	11	7	7	6	13	17	18	16
Same amount as today	16	10	5	16	15	25	18	28
Much less/Somewhat less	55	68	75	62	52	39	46	35
Somewhat less than today	26	24	19	28	32	26	28	25
Much less than today	29	44	55	34	20	13	17	10
Don't know	10	12	10	13	11	9	13	7

(If "Much Less/Somewhat Less") How soon do you think we should start reducing fossil fuel use in the United States?

	Total Registered Voters	Democrats			Republicans			
		Total	Liberal	Mod/ Con	Ind/ Other	Total	Liberal/ Mod	Con
Unweighted Base	(668)	(363)	(207)	(156)	(59)	(189)	(76)	(112)
	%	%	%	%	%	%	%	%
Immediately	69	77	84	68	57	58	66	53
Within [0-99] years	20	18	12	26	17	27	27	27
Don't know	10	6	5	6	24	14	6	19

Overall, government policies intended to transition away from fossil fuels (coal, oil, natural gas) and toward clean energy (solar, wind) will...

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Improve economic growth and provide new jobs	51	68	73	64	39	34	50	26
Have no impact on economic growth or jobs	21	20	19	20	25	21	22	21
Reduce economic growth and cost jobs	27	12	8	16	33	44	28	52

Congress is considering a major investment in the nation's infrastructure. How much do you support or oppose a major investment in the nation's infrastructure?

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Strongly/Somewhat support	69	75	82	68	58	67	71	66
Strongly support	38	42	51	34	34	35	36	34
Somewhat support	31	33	31	34	24	33	35	31
Neither support nor oppose	25	21	16	26	32	25	29	23
Strongly/Somewhat oppose	5	4	2	5	9	7	--	10
Somewhat oppose	3	1	1	1	5	5	--	7
Strongly oppose	2	2	1	4	5	2	--	3

If Congress were to invest in the nation's infrastructure, how would you like to see the money used? Please respond either "yes" or "no" for each option.

(If "Yes") Displayed below are the ways you said you would like to see the nation's infrastructure investment money spent. What percentage of the total infrastructure investment would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated]

Repair and improve the nation's roads, bridges, and highways

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	94	94	92	96	96	93	92	94
No	6	6	8	4	4	7	7	6
% Allocated	20	19	17	21	21	20	17	22

Repair and improve public water supply systems

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	92	95	97	93	94	89	93	87
No	8	5	3	7	6	11	6	13
% Allocated	14	15	14	15	15	13	15	13

Modernize and upgrade the nation's electricity grid

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	84	84	89	79	83	82	83	82
No	16	16	11	21	17	17	17	18
% Allocated	11	10	11	9	12	12	12	12

If Congress were to invest in the nation's infrastructure, how would you like to see the money used? Please respond either "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see the nation's infrastructure investment money spent. What percentage of the total infrastructure investment would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Repair and improve dams and levees

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	81	83	83	82	78	82	75	85
No	19	17	17	18	22	18	25	15
% Allocated	8	8	7	8	8	8	8	9

Repair and improve National Parks

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	71	77	81	73	72	64	68	62
No	29	23	19	27	28	36	31	38
% Allocated	7	8	8	7	8	6	7	6

Install solar panels and wind turbines across the country

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	69	81	86	76	67	54	66	48
No	31	19	14	24	33	46	33	52
% Allocated	10	11	13	10	9	8	9	7

If Congress were to invest in the nation's infrastructure, how would you like to see the money used? Please respond either "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see the nation's infrastructure investment money spent. What percentage of the total infrastructure investment would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Repair and improve the nation's ports and harbors

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	67	71	74	67	65	63	62	64
No	33	29	26	33	35	37	37	36
% Allocated	6	6	6	6	5	6	6	6

Modernize and upgrade the nation's oil pipelines and natural gas lines

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	64	54	56	53	66	75	71	77
No	35	46	44	47	31	25	28	23
% Allocated	7	5	5	5	8	10	8	10

Repair and improve the nation's airports

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	62	62	65	59	66	62	59	64
No	38	38	35	41	34	37	40	36
% Allocated	6	5	5	5	5	6	5	7

If Congress were to invest in the nation's infrastructure, how would you like to see the money used? Please respond either "yes" or "no" for each option. (Cont'd.)

(If "Yes") Displayed below are the ways you said you would like to see the nation's infrastructure investment money spent. What percentage of the total infrastructure investment would you like to see used for each option? Enter a number between 0% and 100% for each option. Please make sure your total equals 100%. [Note: "No" equals 0% allocated] (Cont'd.)

Build a national high-speed rail system

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	48	58	65	52	45	38	43	35
No	51	41	35	48	55	62	57	65
% Allocated	6	7	8	6	6	5	5	4

Build a national system of electric vehicle charging stations

	Total Registered Voters	Democrats			Ind/ Other	Republicans		
		Total	Liberal	Mod/ Con		Total	Liberal/ Mod	Con
Unweighted Base	(1061)	(469)	(239)	(227)	(97)	(455)	(143)	(310)
	%	%	%	%	%	%	%	%
Yes	44	58	64	52	30	30	46	21
No	56	42	36	48	70	70	53	79
% Allocated	4	5	5	5	2	2	4	2

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,226 American adults, aged 18 and older, 1,061 of whom are registered to vote. The survey was conducted November 18 – December 1, 2016. All questionnaires were self-administered by respondents in a web-based environment. The survey took, on average, about 26 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, and Matthew Cutler of Yale University, and Edward Maibach and Connie Roser-Renouf 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 7 points.
- Independents: Plus or minus 10 points.
- Republicans (total): Plus or minus 5 points.
- Liberal/moderate Republicans: Plus or minus 8 points.
- Conservative Republicans: Plus or minus 6 points.

Rounding error

For tabulation purposes, percentage points are rounded off 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 = 3%).

Appendix III: Demographics

Registered Voters

	N (unweighted)	% (weighted)
Total	1,061	100
Men	537	48
Women	524	52
Millennial (18-34)	204	27
Generation X (35-50)	188	21
Baby Boomer (51-69)	486	40
WWII (70+)	183	13
Less than high school	52	8
High school graduate	263	27
Some college/Associate degree/Technical degree	315	31
College graduate	232	18
Post graduate	199	16
<\$25K	118	13
\$25K - <\$50K	196	19
\$50K - <\$75K	213	18
\$75K - <\$100K	171	14
\$100K - <\$125K	126	12
\$125K+	237	24
Hispanic	102	13
White, non-Hispanic	829	70
Black, African-American non-Hispanic	71	11
Other non-Hispanic	59	6
Northeast	194	19
Midwest	257	22
South	378	36
West	232	22

Full Sample

Total	N (unweighted) 1,226	% (weighted) 100
Men	625	48
Women	601	52
Millennial (18-34)	268	30
Generation X (35-50)	237	23
Baby Boomer (51-69)	528	36
WWII (70+)	193	11
Less than high school	90	12
High school graduate	326	29
Some college/Associate degree/Technical degree	351	29
College graduate	247	16
Post graduate	212	15
<\$25K	166	16
\$25K - <\$50K	246	21
\$50K - <\$75K	236	17
\$75K - <\$100K	190	14
\$100K - <\$125K	140	12
\$125K+	248	21
Hispanic	145	16
White, non-Hispanic	909	64
Black, African-American non-Hispanic	92	12
Other non-Hispanic	80	8
Northeast	212	18
Midwest	283	21
South	449	37
West	282	24

