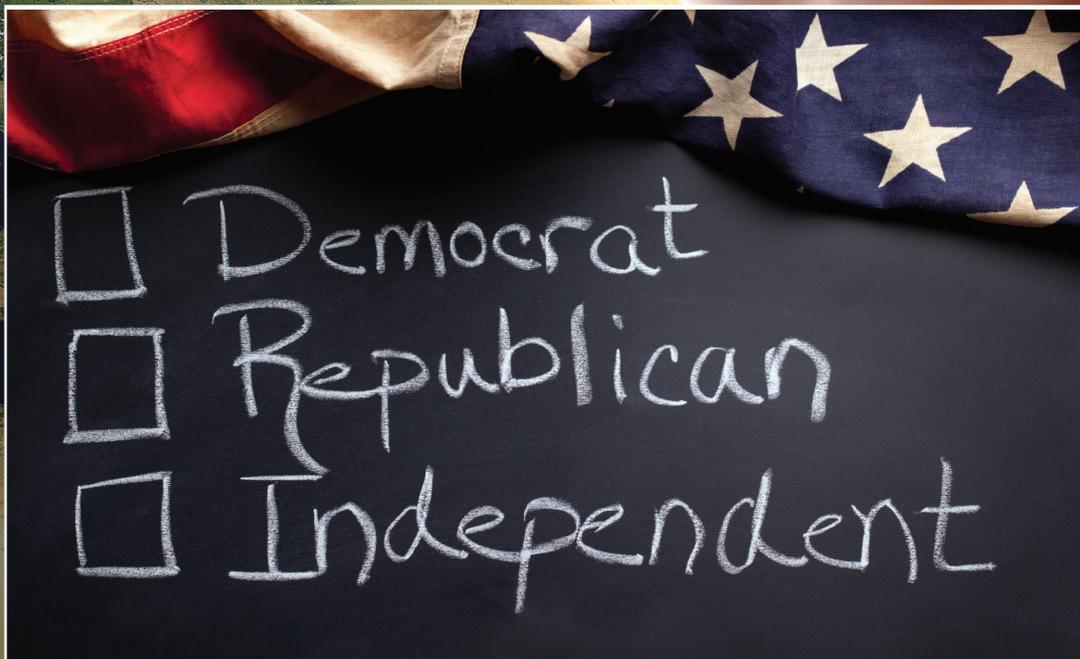CLIMATE CHANGE
IN THE AMERICAN MIND

Politics & Policy

SPRING 2023

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

Table of Contents

Introduction

This report is based on findings from a nationally representative survey – *Climate Change in the American Mind* – conducted jointly by the Yale Program on Climate Change Communication and the George Mason University Center for Climate Change Communication. Interview dates: April 18 – May 1, 2023. Interviews: 1,011 adults (18+), 861 of whom are registered to vote. Average margin of error for registered voters: +/- 3 percentage points at the 95% confidence level. The research was funded by the 11th Hour Project, the Energy Foundation, the MacArthur Foundation, the Heising-Simons Foundation, and the Grantham Foundation.

Climate Change in the American Mind is conducted jointly by the Yale Program on Climate Change Communication and the George Mason University Center for Climate Change Communication.

Principal Investigators:

Anthony Leiserowitz, PhD
Yale Program on Climate Change Communication

Edward Maibach, MPH, PhD
George Mason University Center for Climate Change Communication

Seth Rosenthal, PhD
Yale Program on Climate Change Communication

John Kotcher, PhD
George Mason University Center for Climate Change Communication

Cite as:
Leiserowitz, A., Maibach, E., Rosenthal, S., Kotcher, J., Goddard, E., Ballew, M., Marlon, J., Verner, M., Lee, S., Carman, J., Myers, T., Goldberg, M., & Badullovich, N. (2023). *Climate Change in the American Mind: Politics & Policy, Spring 2023.* Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication.

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 a Republican or Democrat but who say they "are closer to" one of those parties (i.e., "leaners") in a follow-up question. The category "Independents" does not include any of these "leaners."
- 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. For example, in some cases, the sum of 25% + 25% might be reported as 51% (e.g., 25.3% + 25.3% = 50.6%, which, after rounding, is 51%).
- Weighted percentages among registered voters of each of the groups discussed in this report:
  - Democrats (total) including leaners: 49%
    - Liberal Democrats: 28%
    - Moderate/Conservative Democrats: 21%
      - (Moderate Democrats: 18%; Conservative Democrats: 3%)
  - Republicans (total) including leaners: 36%
    - Liberal/Moderate Republicans: 13%
      - (Liberal Republicans: 1%; Moderate Republicans: 12%)
    - Conservative Republicans: 23%
  - Independents excluding leaners: 11% (included the in results reported for "All Registered Voters" only)
  - No party/Not interested in politics/No response: 3% (included in the results reported for "All Registered Voters" only)
- The full text of all survey items can be found in the data tables.

Executive Summary

Drawing on a representative sample of the U.S. adult population (n = 1,011; including the 861 registered voters whose data are included in this report), these findings describe how registered voters view a variety of domestic climate and energy policies. The survey was fielded from April 18 – May 1, 2023.

This executive summary presents the results for all registered voters, while the main text of the report also breaks the results down by political party and ideology.

Global Warming and Clean Energy as Government Priorities

- 54% of registered voters say global warming should be a high or very high priority for the president and Congress.
- 66% of registered voters say developing sources of clean energy should be a high or very high priority for the president and Congress.

Policies to Reduce the Pollution that Causes Global Warming

Majorities of registered voters support a range of policies to reduce carbon pollution and promote clean energy. These include:

- 79% support funding more research into renewable energy sources.
- 76% support providing tax rebates to people who purchase energy-efficient vehicles or solar panels.
- 76% support providing federal funding to make residential buildings in low-income communities more energy efficient.
- 75% support developing a national program to train people from low-income communities and communities of color for new jobs in the renewable energy industry (such as wind and solar).
- 75% support developing a national program to train people who work in the fossil fuel industry for new jobs in the renewable energy industry (such as wind and solar).
- 74% support regulating carbon dioxide as a pollutant.
- 71% support providing tax credits or rebates to encourage people to buy electric appliances, such as heat pumps and induction stoves, that run on electricity instead of oil or gas.
- 68% support requiring fossil fuel companies to pay a tax on the carbon they produce and using the money to reduce other taxes by an equal amount.
- 66% support requiring electric utilities to produce 100% of their electricity from renewable energy sources by 2035.

Conservation and Restoration Policies

Majorities of registered voters support a range of conservation and restoration policies. These include:

- 82% support federal funding to help farmers improve practices to protect and restore the soil so it absorbs and stores more carbon.
- 81% support creating more parks and green spaces in low-income communities and communities of color.

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

Fossil Fuel Energy Production

- 57% support expanding offshore drilling for oil and natural gas off the U.S. coast.

Building Climate-Friendly Energy Production and Distribution Infrastructure

Many registered voters support building a range of climate-friendly energy production and distribution infrastructure in their local area. These include:

- Solar farms: 64%
- Wind farms: 57%
- Electric vehicle charging stations: 56%
- High-voltage power lines to distribute clean energy: 51%
- Nuclear power plants: 34%

Declaring Climate Change a National Emergency

- 57% of registered voters support a U.S. president declaring global warming a national emergency if Congress does not take further action.

The Inflation Reduction Act of 2022 (IRA)

On August 16, 2022, President Biden signed the Inflation Reduction Act (IRA) into law. The law aims to curb inflation, reduce prescription drug prices and the cost of health insurance, modernize the Internal Revenue Service, and invest in U.S. clean energy production. The law will be paid for by closing tax loopholes.

- 39% of registered voters have heard either "a lot" or "some" about the IRA.
- After reading a short description of the IRA, 71% of registered voters support it.

Who Should Act?

- Half or more registered voters say the following should do more to address global warming: Corporations and industry (70%), the U.S. Congress (63%), the Republican Party (62%), citizens themselves (61%), their local government officials (57%), their governor (56%), the media (55%), the Democratic Party (55%), President Biden (54%). 47% say they themselves should do more to address global warming.
- Only 11% of registered voters think the U.S. government is responding well to global warming.

Political Actions to Limit Global Warming

- 56% of registered voters say they would sign a petition about global warming if a person they like and respect asked them to, although only 17% say they have signed such a petition in the past year.
- If asked by a person they like and respect, 32% would donate money to an organization working on global warming (compared with 12% who say they have done so in the past year), 31% would volunteer their time to an organization working on global warming (compared with 5% who say they have done so in the past year), and 31% would contact government officials about global warming (compared with 8% who say they have done so in the past year).
- 27% would support an organization engaging in non-violent civil disobedience against corporate or government activities that make global warming worse, 15% say they would *personally* engage in non-violent civil disobedience, and 4% say they would be willing to get arrested as part of such an action.
- 1% are currently participating in a campaign to convince elected officials to take action to reduce global warming, while 9% would "definitely" join such a campaign and 22% would "probably" join one.

Collective Efficacy

- 51% of registered voters are at least "moderately confident" that people like them, working together, can affect what the federal government does about global warming; 47% are at least "moderately confident" that people like them, working together, can affect what corporations do about global warming.

State and Local Government Action on Global Warming

- 86% of registered voters support increasing the availability of public transportation in their county.
- 85% of registered voters support providing funding to help homeowners make energy-efficient improvements to their homes.
- 79% of registered voters support constructing bike paths and installing bike lanes.

1. Global Warming and Clean Energy as Government Priorities

1.1. More than half of registered voters think global warming should be a "high" or "very high" priority for the president and Congress.

More than half of registered voters (54%) think global warming should be a high or very high priority for the president and Congress (refer to data tables, p. 30). This includes a large majority of liberal Democrats (88%), about two in three moderate/conservative Democrats (69%), and about four in ten liberal/moderate Republicans (41%). Few conservative Republicans (9%) think so.

More than half of registered voters think global warming should be a "high" or "very high" priority for the president and Congress
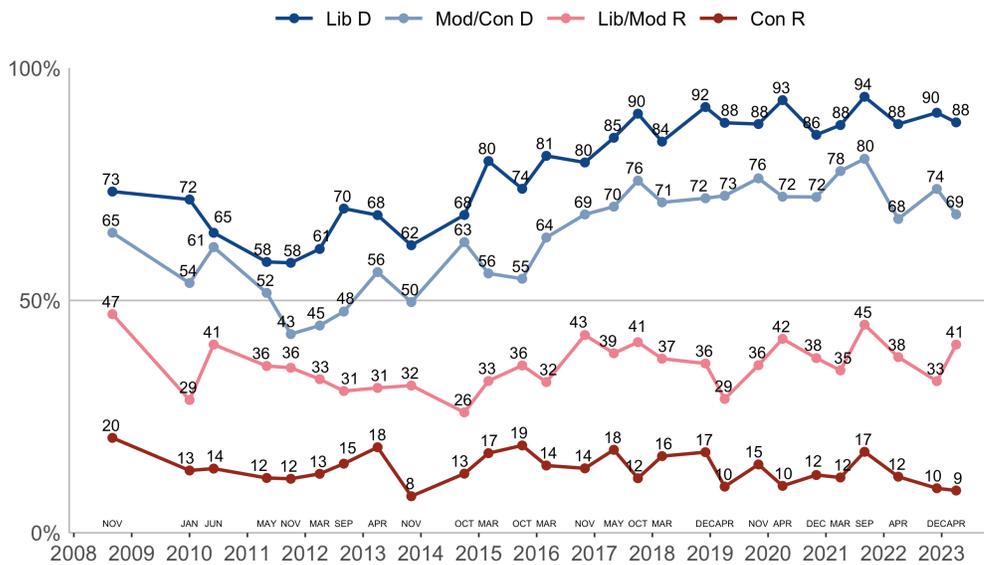
- % "very high" or "high" -

Do you think the following should be a low, medium, high, or very high priority for the president and Congress? [Global warming]

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

1.2. Most registered voters think developing sources of clean energy should be a "high" or "very high" priority for the president and Congress.

About two in three registered voters (66%) think developing sources of clean energy should be a high or very high priority for the president and Congress (refer to data tables, p. 30). This includes large majorities of liberal Democrats (95%) and moderate/conservative Democrats (76%), more than half of liberal/moderate Republicans (56%), but only 30% of conservative Republicans.

Most registered voters think developing sources of clean energy should be a "high" or "very high" priority for the president and Congress
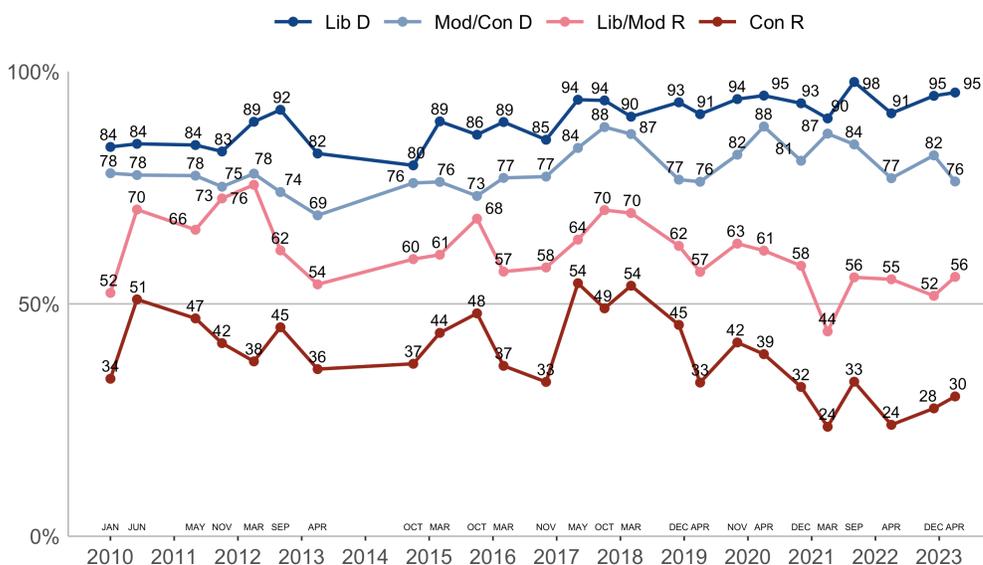
- % "very high" or "high" -

Do you think the following should be a low, medium, high, or very high priority for the president and Congress? [Developing sources of clean energy]

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

2. Support for Policies to Reduce the Pollution that Causes Global Warming

2.1. Most registered voters support climate-friendly energy policies.

Registered voters across the political spectrum support many energy policies designed to reduce carbon pollution and fossil fuel dependence and promote clean energy, including:

- Funding more research into renewable energy sources: 79% of registered voters, including 98% of liberal Democrats, 88% of moderate/conservative Democrats, 70% of liberal/moderate Republicans, and 50% of conservative Republicans.

- Providing tax rebates to people who purchase energy-efficient vehicles or solar panels: 76% of registered voters, including 97% of liberal Democrats, 84% of moderate/conservative Democrats, 69% of liberal/moderate Republicans, and 45% of conservative Republicans.

- Providing federal funding to make residential buildings in low-income communities more energy efficient: 76% of registered voters, including 95% of liberal Democrats, 84% of moderate/conservative Democrats, 68% of liberal/moderate Republicans, and 47% of conservative Republicans.

- Developing a national program to train people from low-income communities and communities of color for new jobs in the renewable energy industry (such as wind and solar): 75% of registered voters, including 98% of liberal Democrats, 86% of moderate/conservative Democrats, 72% of liberal/moderate Republicans, and 42% of conservative Republicans.

- Developing a national program to train people who work in the fossil fuel industry for new jobs in the renewable energy industry (such as wind and solar): 75% of registered voters, including 96% of liberal Democrats, 84% of moderate/conservative Democrats, 70% of liberal/moderate Republicans, and 42% of conservative Republicans.

- Regulating carbon dioxide as a pollutant: 74% of registered voters, including 95% of liberal Democrats, 85% of moderate/conservative Democrats, 65% of liberal/moderate Republicans, and 42% of conservative Republicans.

- Providing tax credits or rebates to encourage people to buy electric appliances, such as heat pumps and induction stoves, that run on electricity instead of oil or gas: 71% of registered voters, including 92% of liberal Democrats, 78% of moderate/conservative Democrats, 65% of liberal/moderate Republicans, and 44% of conservative Republicans.

- Transitioning the U.S. economy (including electric utilities, transportation, buildings, and industry) from fossil fuels to 100% clean energy by 2050: 69% of registered voters, including 93% of liberal Democrats, 84% of moderate/conservative Democrats, 58% of liberal/moderate Republicans, and 30% of conservative Republicans.

- 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 [i.e., a revenue-neutral carbon tax]: 68% of registered voters, including 90% of liberal Democrats, 82% of moderate/conservative Democrats, 59% of liberal/moderate Republicans, and 34% of conservative Republicans.
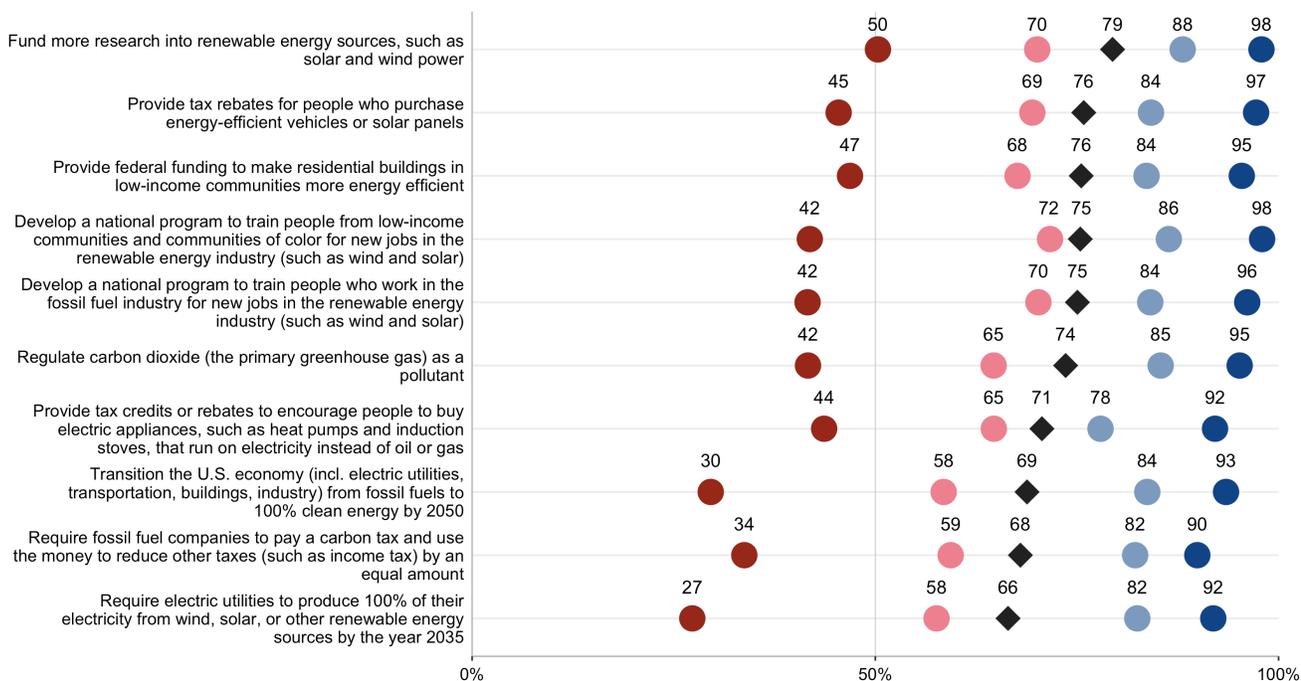
- Requiring electric utilities to produce 100% of their electricity from renewable energy sources by 2035: 66% of registered voters, including 92% of liberal Democrats, 82% of moderate/conservative Democrats, 58% of liberal/moderate Republicans, and 27% of conservative Republicans.

Most registered voters support climate-friendly energy policies
- % "strongly" or "somewhat" support -

● Con R   ● Lib/Mod R   ● Mod/Con D   ● Lib D   ◆ All Reg Voters

Policy	Con R	Lib/Mod R	All Reg Voters	Mod/Con D	Lib D
Fund more research into renewable energy sources, such as solar and wind power	50	70	79	88	98
Provide tax rebates for people who purchase energy-efficient vehicles or solar panels	45	69	76	84	97
Provide federal funding to make residential buildings in low-income communities more energy efficient	47	68	76	84	95
Develop a national program to train people from low-income communities and communities of color for new jobs in the renewable energy industry (such as wind and solar)	42	72	75	86	98
Develop a national program to train people who work in the fossil fuel industry for new jobs in the renewable energy industry (such as wind and solar)	42	70	75	84	96
Regulate carbon dioxide (the primary greenhouse gas) as a pollutant	42	65	74	85	95
Provide tax credits or rebates to encourage people to buy electric appliances, such as heat pumps and induction stoves, that run on electricity instead of oil or gas	44	65	71	78	92
Transition the U.S. economy (incl. electric utilities, transportation, buildings, industry) from fossil fuels to 100% clean energy by 2050	30	58	69	84	93
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	34	59	68	82	90
Require electric utilities to produce 100% of their electricity from wind, solar, or other renewable energy sources by the year 2035	27	58	66	82	92

0%   50%   100%

How much do you support or oppose the following policies?

Spring 2023

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

2.2. Most registered voters support conservation and restoration policies.

Registered voters across the political spectrum support a range of conservation and restoration policies, including:

- Providing federal funding to help farmers improve practices to protect and restore the soil so it absorbs more carbon: 82% of registered voters, including 95% of liberal Democrats, 90% of moderate/conservative Democrats, 81% of liberal/moderate Republicans, and 61% of conservative Republicans.

- Creating more parks and green spaces in low-income communities and communities of color: 81% of registered voters, including 95% of liberal Democrats, 89% of moderate/conservative Democrats, 75% of liberal/moderate Republicans, and 59% of conservative Republicans.

Most registered voters support conservation and restoration policies

- % "strongly" or "somewhat" support -
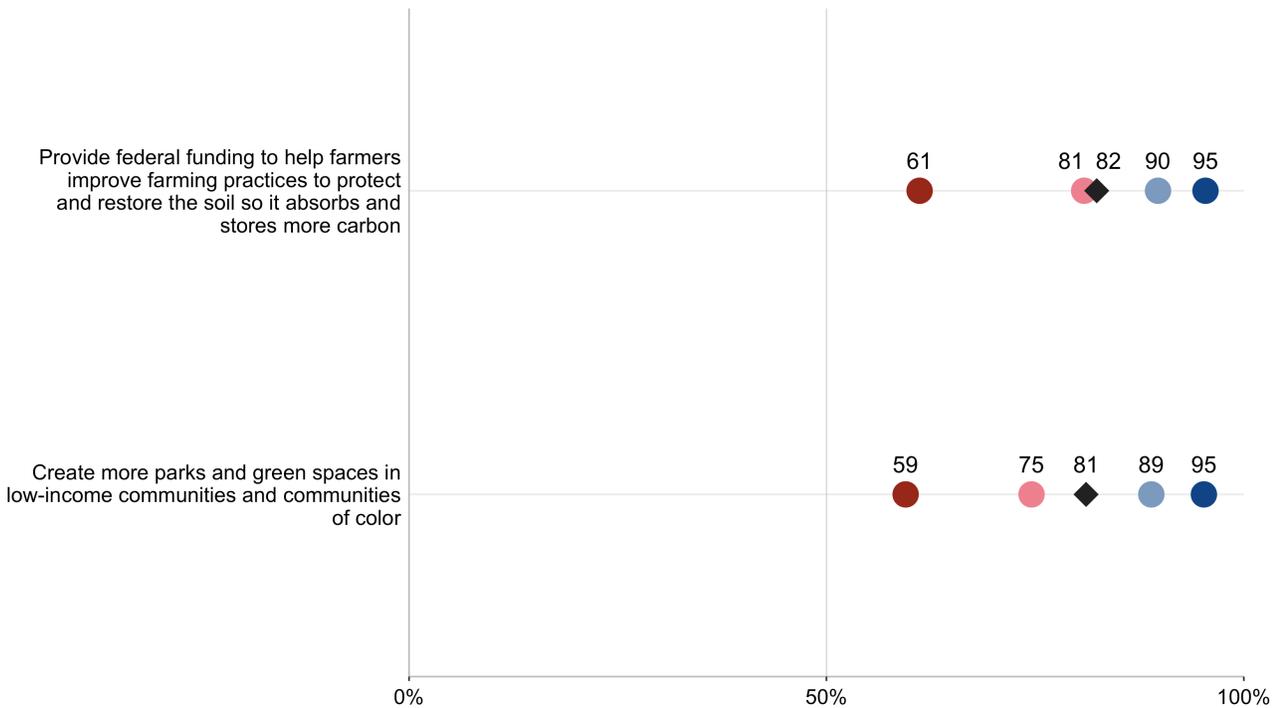
● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

Provide federal funding to help farmers improve farming practices to protect and restore the soil so it absorbs and stores more carbon — 61, 81, 82, 90, 95

Create more parks and green spaces in low-income communities and communities of color — 59, 75, 81, 89, 95

0%   50%   100%

How much do you support or oppose the following policies?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER *for* CLIMATE CHANGE COMMUNICATION

2.3. A majority of registered voters support expanding drilling for oil and natural gas off the U.S. coast.

A majority of registered voters (57%) support expanding offshore drilling for oil and natural gas off the U.S. coast. This includes 81% of conservative Republicans, 78% of liberal/moderate Republicans, 56% of moderate/conservative Democrats, and 28% of liberal Democrats.
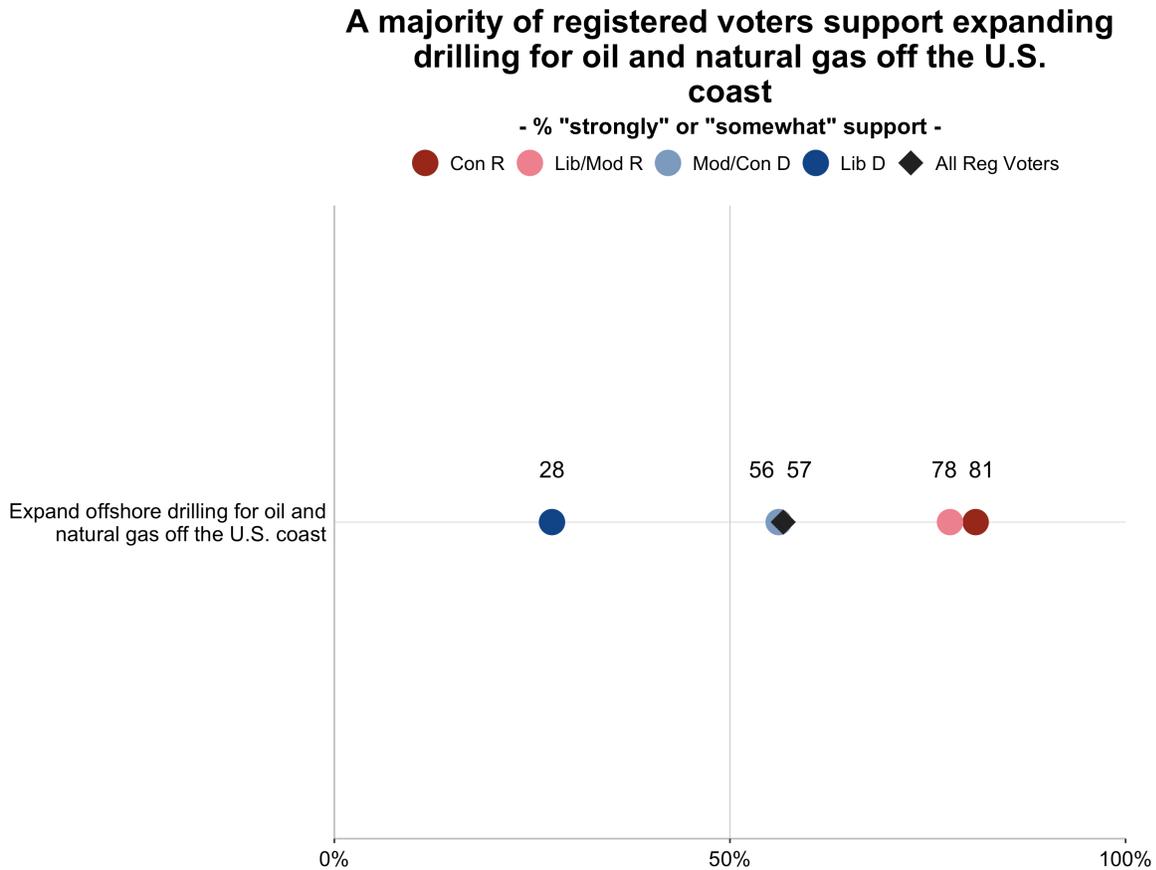
A majority of registered voters support expanding drilling for oil and natural gas off the U.S. coast

- % "strongly" or "somewhat" support -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

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

28   56 57   78 81

0%   50%   100%

How much do you support or oppose the following policies?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

2.4. A majority of registered voters support building climate-friendly energy production and distribution infrastructure in their local area.

Majorities of registered voters support climate-friendly energy production and distribution infrastructure in their local area, including solar farms (64%), wind farms (57%), electric vehicle charging stations (56%), and high-voltage power lines to distribute clean energy (51%). This generally includes majorities of liberal Democrats and moderate/conservative Democrats, and many liberal/moderate Republicans, but fewer conservative Republicans:

- Solar farms: liberal Democrats, 89%; moderate/conservative Democrats, 65%; liberal/moderate Republicans, 55%; conservative Republicans, 36%.

- Wind farms: liberal Democrats, 83%; moderate/conservative Democrats, 58%; liberal/moderate Republicans, 48%; conservative Republicans, 29%.

- Electric vehicle charging stations: liberal Democrats, 89%; moderate/conservative Democrats, 55%; liberal/moderate Republicans, 45%; conservative Republicans, 30%.

- High-voltage power lines to distribute clean energy: liberal Democrats, 71%; moderate/conservative Democrats, 53%; liberal/moderate Republicans, 35%; conservative Republicans, 35%.

Fewer registered voters support building nuclear power plants in their local area (34%), including 45% of conservative Republicans, 35% of liberal Democrats, 31% of liberal moderate Republicans, and 24% of moderate/conservative Democrats.

A majority of registered voters support building climate-friendly energy production and distribution infrastructure in their local area

- % "strongly" or "somewhat" support -

● Con R   ● Lib/Mod R   ● Mod/Con D   ● Lib D   ◆ All Reg Voters
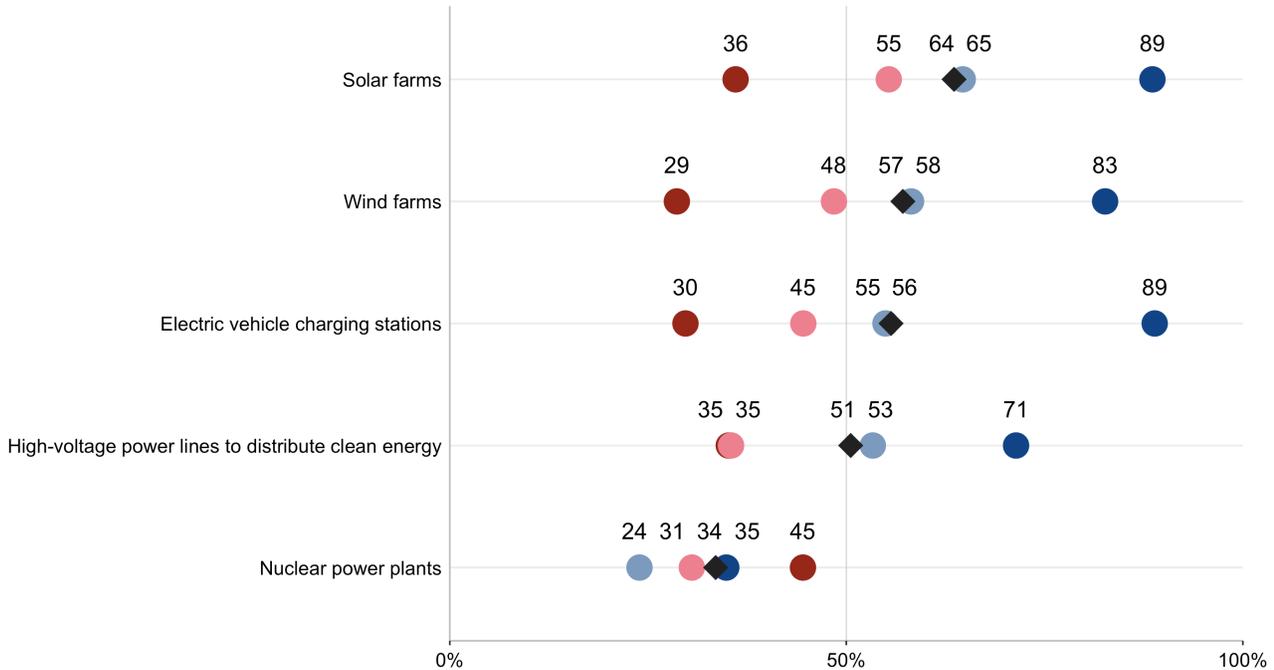
How much do you support or oppose building the following in your local area?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

2.5. A majority of registered voters would support a president declaring a national emergency to act on global warming.

More than half of registered voters (57%) would either "strongly" (23%) or "somewhat" (34%) support a U.S. president declaring global warming a national emergency to act on it if Congress does not take further action (refer to data tables, p. 36). This would be supported by large majorities of liberal Democrats (91%, with 45% saying they "strongly support" it; refer to data tables) and moderate/conservative Democrats (75%; 29% strongly support). By contrast, 39% of liberal/moderate Republicans and 12% of conservative Republicans would support it, while 86% of conservative Republicans would oppose it (including 72% who would "strongly oppose" it; refer to data tables).

A majority of registered voters would support a president declaring a national emergency to act on global warming
- % "strongly" or "somewhat" support -

If Congress does not take further action on global warming, would you support or oppose a U.S. president declaring global warming a national emergency to act on it without Congress?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

3. The Inflation Reduction Act of 2022 (IRA)

3.1. Most registered voters have not heard much about the Inflation Reduction Act of 2022.

On August 16, 2022, President Biden signed the Inflation Reduction Act (IRA) into law. The law aims to curb inflation by reducing the federal deficit, lowering prescription drug prices and the cost of health insurance, modernizing the Internal Revenue Service, and investing in U.S. clean energy production. The law authorizes $391 billion for developing clean energy and addressing global warming, including tax incentives and rebates to help consumers and businesses buy energy-efficient appliances, solar panels, electric vehicles, etc. The IRA also includes support for clean energy jobs and investments in communities that are most harmed by air and water pollution. It is the largest investment the U.S. government has ever made to reduce global warming, and it is projected to help the U.S. reduce its carbon pollution 40% by 2030. The law will be paid for by closing tax loopholes.

A majority of registered voters (60%) have heard at least "a little" about the Inflation Reduction Act of 2022 (IRA; refer to data tables, p. 37), including about four in ten (39%) who have heard either "a lot" (12%) or "some" (27%) about it. Liberal Democrats (48%) and conservative Republicans (45%) are the most likely to have heard "a lot" or "some" about the IRA, while fewer liberal/moderate Republicans (33%) or moderate/conservative Democrats (32%) have. Four in ten registered voters (40%) have heard "nothing at all" about the IRA (refer to data tables).

Most registered voters have not heard much about the Inflation Reduction Act of 2022

- % "A lot" or "Some" -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters
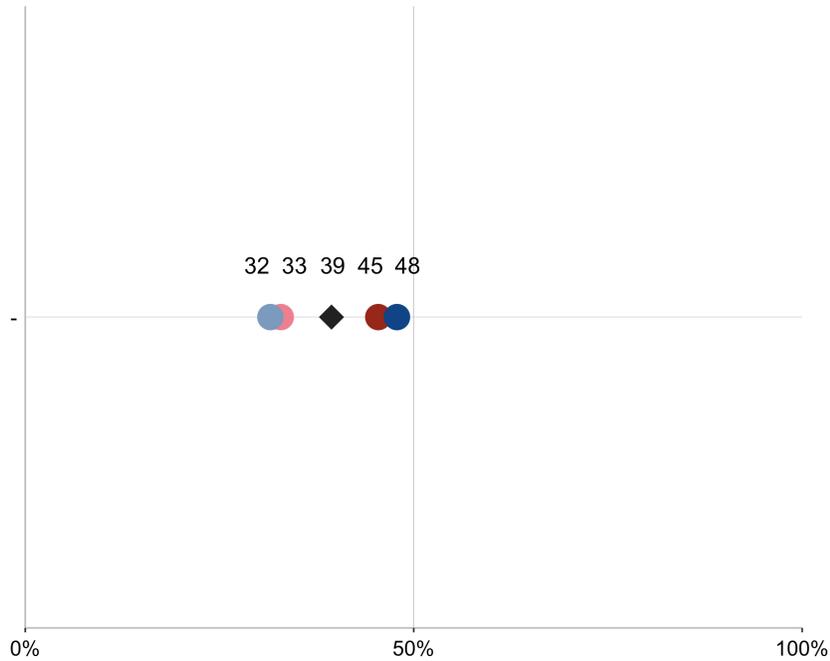
32 33 39 45 48

0%   50%   100%

How much, if anything, have you heard or read about the federal law called the "Inflation Reduction Act of 2022" (also known as the "IRA"), a bill that was passed by the U.S. Congress and signed by President Biden? Have you heard…

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication
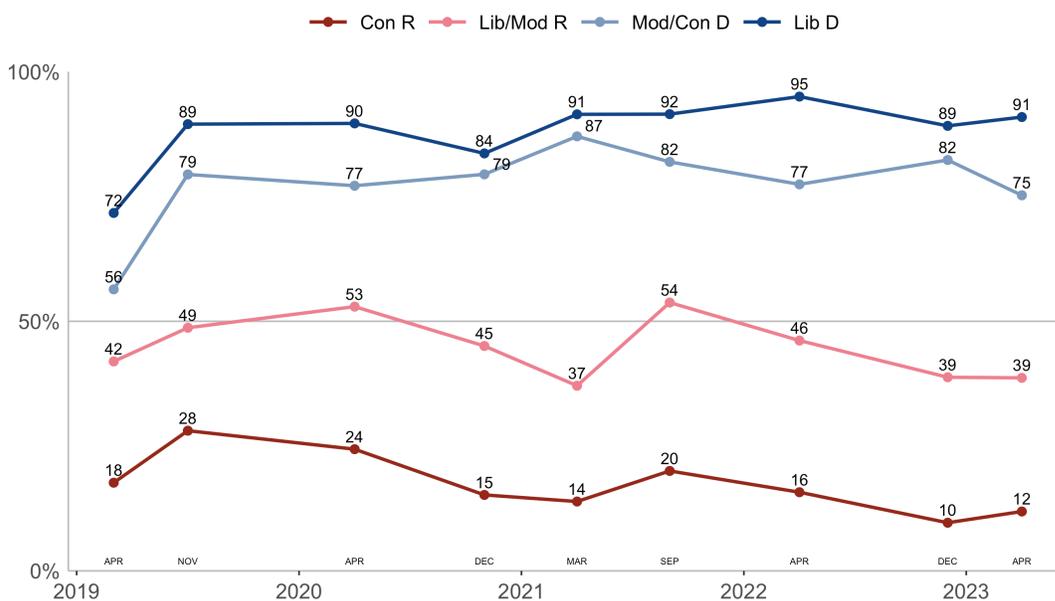
YALE PROGRAM ON
Climate Change Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE COMMUNICATION

3.2. A majority of registered voters support the Inflation Reduction Act of 2022.

After reading a brief description of the Inflation Reduction Act (IRA), a large majority of registered voters (71%) say they support it (36% "strongly support" and 35% "somewhat support"; refer to data tables, p. 37). Nearly all liberal Democrats (98%) and a large majority of moderate/conservative Democrats (89%) support the IRA, as do a majority of liberal/moderate Republicans (57%). By contrast, 28% of conservative Republicans support the IRA, while 70% oppose it (including 46% who strongly oppose it; refer to data tables).

A majority of registered voters support the Inflation Reduction Act of 2022

- % "strongly" or "somewhat" support -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

28	57	71	89	98

0%   50%   100%
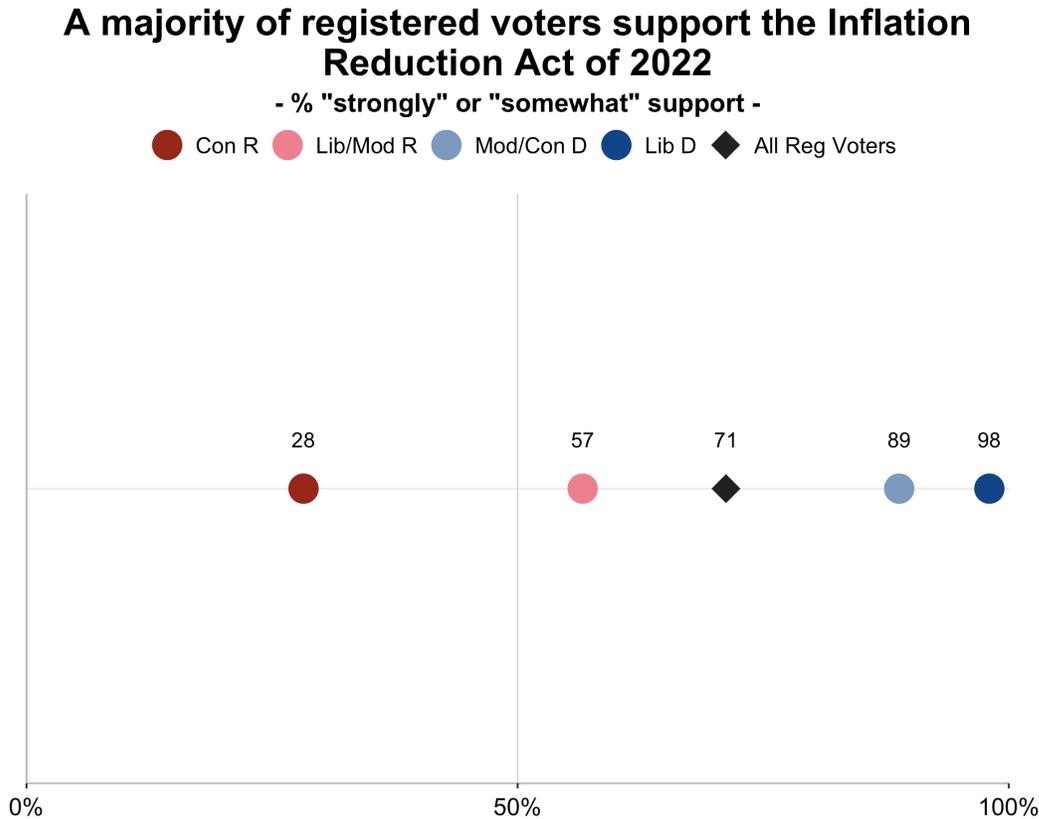
The Inflation Reduction Act of 2022 (IRA) aims to curb inflation by reducing the federal deficit, lowering prescription drug prices and the cost of health insurance, modernizing the Internal Revenue Service, and investing in U.S. clean energy production. The law authorizes $391 billion for developing clean energy and addressing global warming, including tax incentives and rebates to help consumers and businesses buy energy-efficient appliances, solar panels, electric vehicles, etc. The IRA also includes support for clean energy jobs and investments in communities that are most harmed by air and water pollution. It is the largest investment the U.S. government has ever made to reduce global warming, and is projected to help the U.S. reduce its carbon pollution 40% by 2030. The law will be paid for by closing tax loopholes. How much do you support or oppose this law?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
**Climate Change
Communication**

GEORGE MASON UNIVERSITY
**CENTER for CLIMATE CHANGE
COMMUNICATION**

4. Who Should Take Action to Address Global Warming?

4.1. Majorities of registered voters want corporations and industry, citizens, and government to do more to address global warming.

A large majority of registered voters say corporations and industry should do either "much more" or "more" to address global warming (70% of registered voters, including 93% of liberal Democrats, 78% of moderate/conservative Democrats, 65% of liberal/moderate Republicans, and 38% of conservative Republicans).

Half or more of registered voters, including majorities of both liberal and moderate/conservative Democrats, say the U.S. Congress (63%), the Republican Party (62%), citizens themselves (61%), their local government officials (57%), their governor (56%), the media (55%), the Democratic Party (55%), and President Biden (54%) should do more to address global warming. About half (47%) say they themselves should do more.

About half of liberal/moderate Republicans (48%) say their party (the Republican Party) should do more to address global warming, while only 22% of conservative Republicans say so. Majorities of both liberal Democrats (83%) and moderate/conservative Democrats (62%) say their party (the Democratic Party) should do more.

Majorities of registered voters want corporations and industry, citizens, and government to do more to address global warming

- % "more" or "much more" -

● Con R   ● Lib/Mod R   ● Mod/Con D   ● Lib D   ◆ All Reg Voters
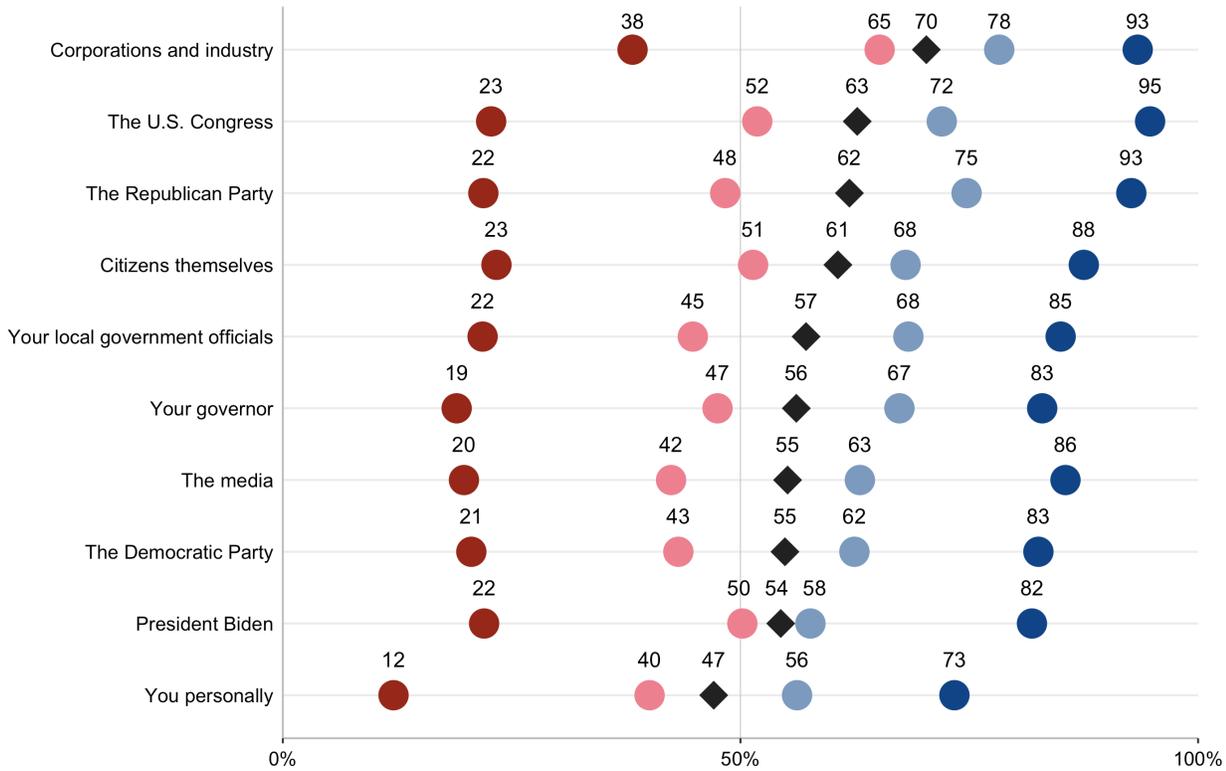
Do you think each of the following should be doing more or less to address global warming?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

4.2. Across the political spectrum, few registered voters think the U.S. government is responding well to global warming.

Few registered voters agree that the U.S. government is responding well to the issue of global warming (11%). This is true across the political spectrum: Only 16% of liberal Democrats, 14% of moderate/conservative Democrats, 6% of liberal/moderate Republicans, and 9% of conservative Republicans agree.

Across the political spectrum, few registered voters think the U.S. government is responding well to global warming
- % "strongly" or "somewhat" agree -

● Con R   ● Lib/Mod R   ● Mod/Con D   ● Lib D   ◆ All Reg Voters

6 9 11 14 16

0%   50%   100%

How much do you agree or disagree with the following statement? The U.S. government is responding well to the issue of global warming

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

5. Political Actions to Limit Global Warming

5.1. Relatively few registered voters have engaged in political actions to reduce global warming in the past year.

Relatively few registered voters have engaged in political actions to reduce global warming over the past 12 months, including 17% who say they have signed a petition about global warming at least "once," and 12% who say they have donated money to an organization working on global warming at least "once." Fewer (5%) have volunteered their time to an organization working on global warming at least "once" in the past year.

Relatively few registered voters have engaged in political actions to reduce global warming in the past year

- % "once", "a few times", "several times", or "many times" -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

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

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

5.2. Relatively few registered voters have urged elected officials to reduce global warming.

Eight percent of registered voters have contacted government officials to urge them to take action to reduce global warming at least one time over the past 12 months. This includes 17% of liberal Democrats, 9% of moderate/conservative Democrats, and 6% of liberal/moderate Republicans, but less than 1% of conservative Republicans.

**Relatively few registered voters have urged
elected officials to reduce global warming**
- % urged them to take action to reduce global warming one or more times -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

0 6 8 9   17

0%   50%   100%
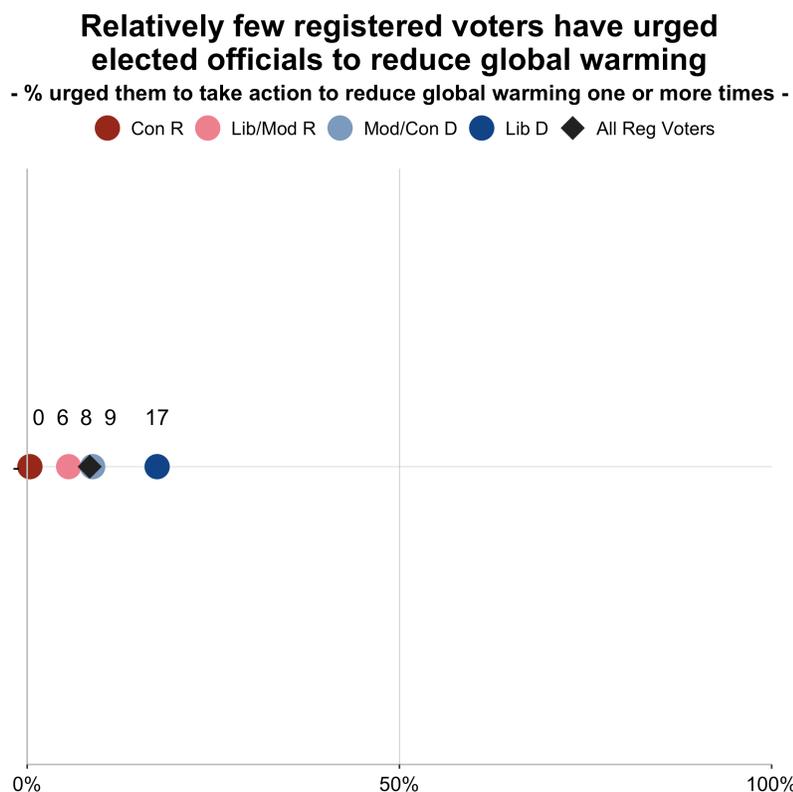
(a) Over the past 12 months, how many times have you written letters, emailed, or phones government officials about global warming? (b) When you contacted a government official did you [urge them to take action to reduce global warming]?

Spring 2023

Source: Yale Program on Climate Change Communication;
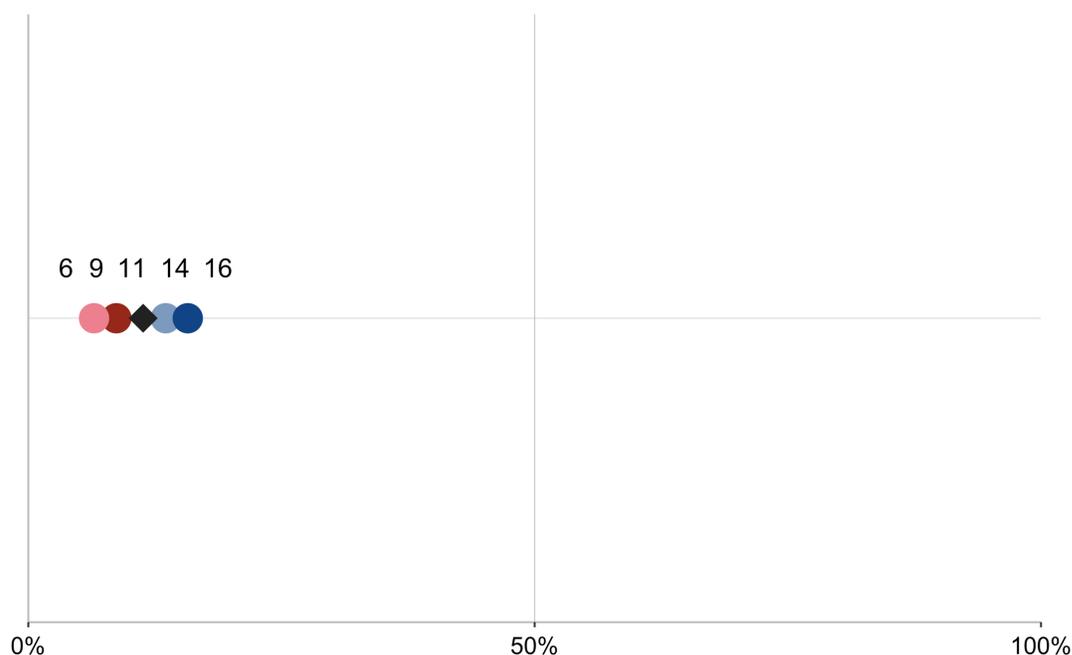George Mason University Center for Climate Change Communication

YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER *for* CLIMATE CHANGE COMMUNICATION

5.3. Many registered voters are willing to take political actions to reduce global warming.

More than half of registered voters (56%) say they would sign a petition about global warming, including majorities of liberal Democrats (86%) and moderate/conservative Democrats (68%), but fewer liberal/moderate Republicans (38%) and conservative Republicans (21%). Fewer say they would donate money to an organization working on global warming (32%), contact government officials about global warming (31%), volunteer their time to an organization working on global warming (31%), or meet with an elected official or their staff about global warming (28%).

About one in four registered voters (27%) would support an organization engaging in non-violent civil disobedience against corporate or government activities that make global warming worse, and 15% (including 27% of liberal Democrats) would personally engage in such non-violent civil disobedience.

Many registered voters are willing to take political actions to reduce global warming
- % "definitely" or "probably" would -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

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

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

5.4. Few registered voters would be willing to get arrested as part of a non-violent civil disobedience action.

Although 15% of registered voters say they would personally engage in non-violent civil disobedience against corporate or government activities that make global warming worse (refer to section 5.3), only 5% say they would be willing to get arrested as part of such an action (2% "definitely would," 3% "probably would"; refer to data tables, p. 45). This includes 10% of liberal Democrats, 4% of moderate/conservative Democrats, 2% of liberal/moderate Republicans, and 1% of conservative Republicans.

According to the [most recent data available from the U.S. Census Bureau](), there are more than 168 million registered voters in the United States. Given that 2% say they "definitely would" get arrested as part of a non-violent action against activities that make global warming worse, and an additional 3% "probably would," it suggests that approximately 3 to 8 million registered voters may be willing to do so.

Few registered voters would be willing to get arrested as part of a non-violent civil disobedience action

- % "definitely" or "probably" would do it -
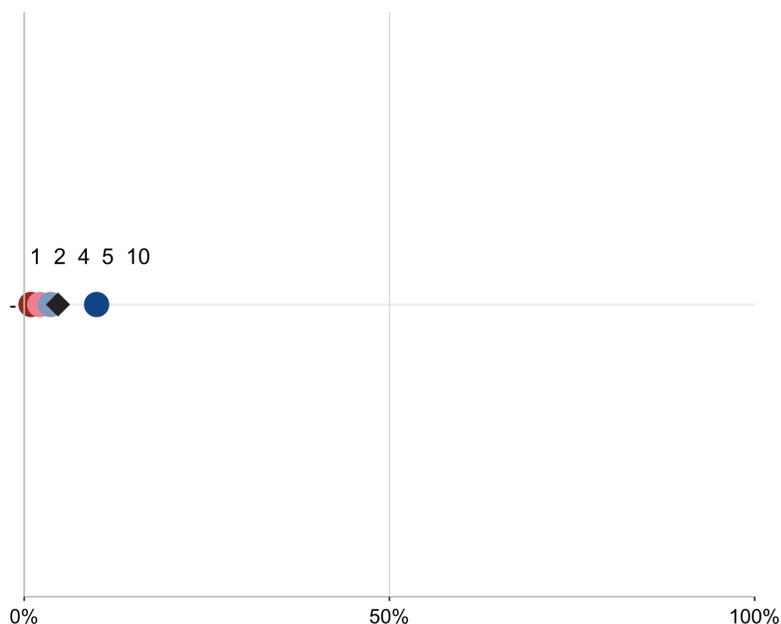
● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

How willing or unwilling would you be to get arrested as part of a non-violent civil disobedience action against corporate or government activities that make global warming worse?
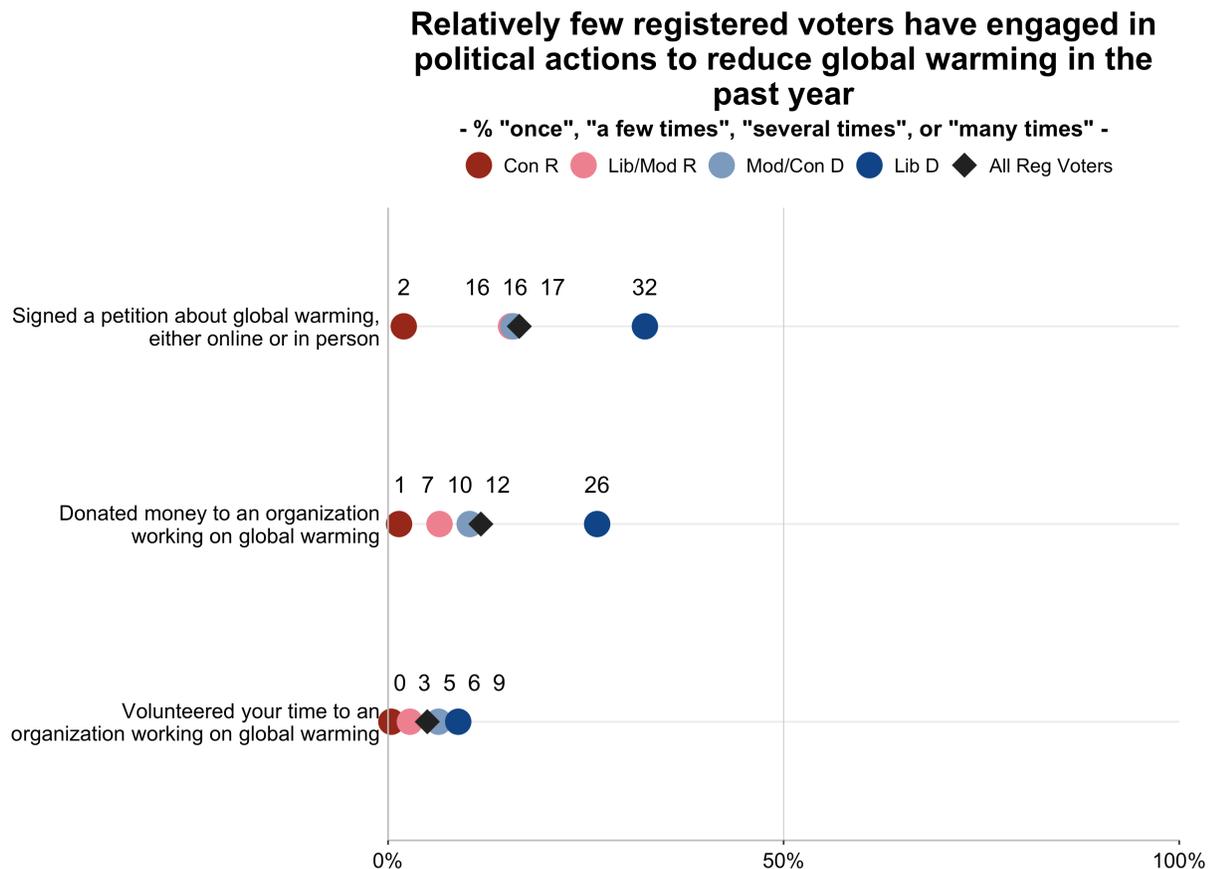
Spring 2023

Source: Yale Program on Climate Change Communication; George Mason University Center for Climate Change Communication

5.5. One in three registered voters are participating, or willing to participate, in a campaign to convince elected officials to take action to reduce global warming – although current participation is low.

One in three in ten registered voters (33%) say they are either "definitely" (9%) or "probably" (22%) willing to join a campaign to convince elected officials to take action to reduce global warming or are already currently participating in such a campaign (1%; refer to data tables, p. 45). This includes 63% of liberal Democrats (3% "currently," 19% "definitely," 42% "probably"), 33% of moderate/conservative Democrats (1% "currently," 8% "definitely," 23% "probably"), 18% of liberal/moderate Republicans (none "currently," 4% "definitely," 13% "probably"), and 8% of conservative Republicans (less than 1% "currently," 1% "definitely," and 6% "probably").

One in three registered voters are participating, or willing to participate, in a campaign to convince elected officials to take action to reduce global warming

- % "participating in a campaign like this now", "definitely would do it", or "probably would do it" -

● Con R ● Lib/Mod R ● Mod/Con D ● Lib D ◆ All Reg Voters

How willing or unwilling would you be to join a campaign to convince elected officials to take action to reduce global warming?
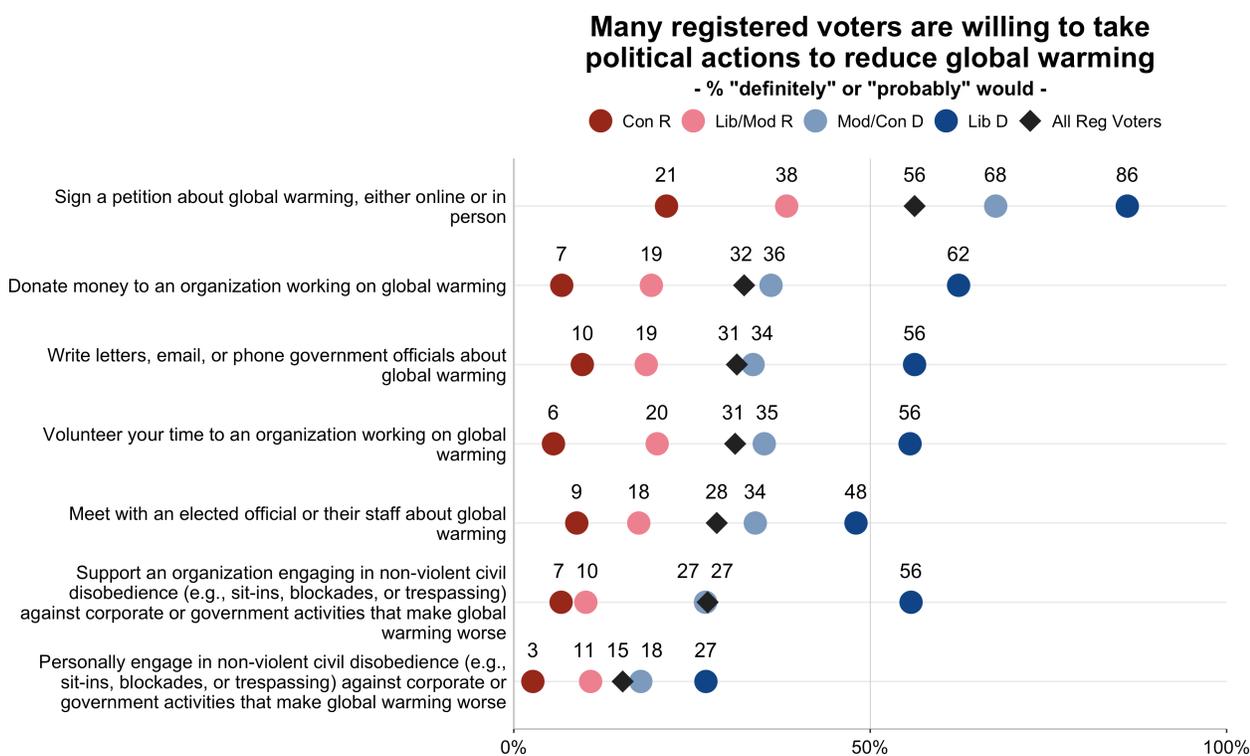
Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER for CLIMATE CHANGE COMMUNICATION

6. Collective Efficacy

6.1. About half of Americans are confident they can affect what the federal government and corporations do about global warming.

Perceived collective efficacy regarding global warming – the belief that like-minded citizens can work together to influence what government and business leaders do about global warming – is an important motivator for individuals to take collective action.[1] About half of registered voters (51%) are at least "moderately confident" that people like them, working together, can affect what the federal government does about global warming. Many registered voters (47%) are also at least "moderately confident" that people like them, working together, can affect what corporations do about global warming.

Liberal Democrats have the highest perceptions of collective efficacy regarding global warming, while conservative Republicans have the lowest perceptions of collective efficacy, although that may in part be because they are less likely to support action on global warming overall.

---

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

About half of Americans are confident they can affect what the federal government and corporations do about global warming
- % "extremely", "very", or "moderately" confident -

● Con R   ● Lib/Mod R   ● Mod/Con D   ● Lib D   ◆ All Reg Voters
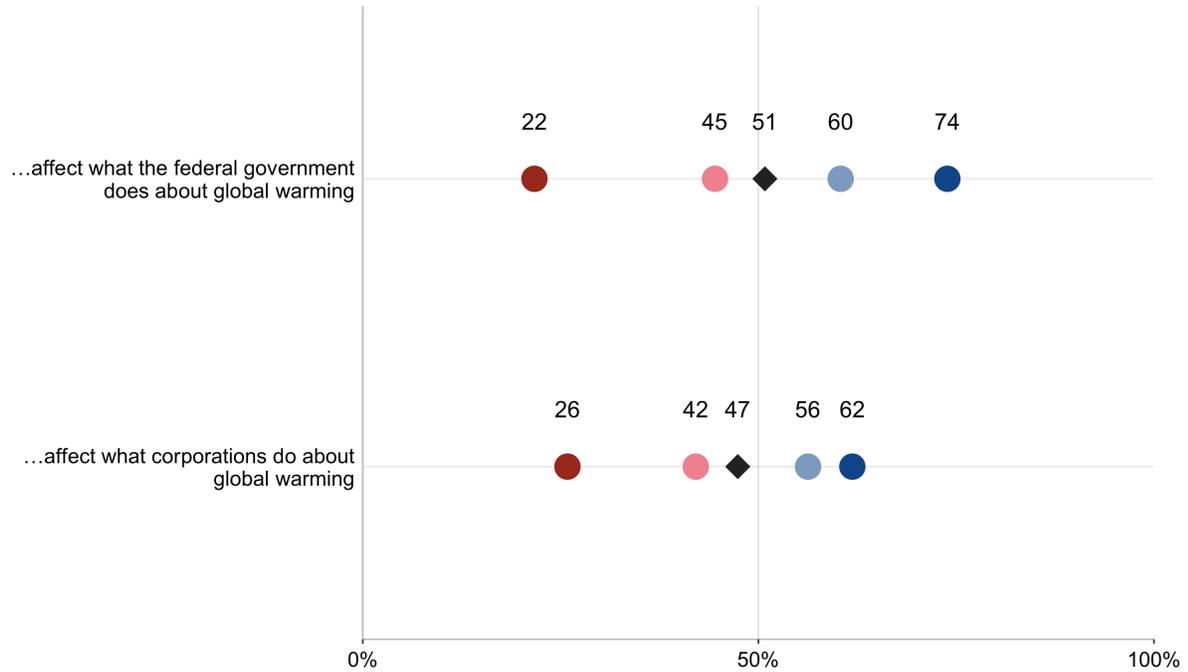
How confident are you that people like you, working together, can…?

Spring 2023

Source: Yale Program on Climate Change Communication;
George Mason University Center for Climate Change Communication

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

7. State and Local Government Action on Global Warming

7.1. Large majorities of registered voters support climate-friendly policies for their local community.

Across the political spectrum, large majorities of registered voters support climate-friendly policies for their local community, including increasing the availability of public transportation in their county (86%), providing funding to help homeowners make energy-efficient improvements to their homes (85%), and constructing bike paths and installing bike lanes (79%).

Large majorities of registered voters support climate-friendly policies for their local community
- % "strongly" or "somewhat" support -

Con R • Lib/Mod R • Mod/Con D • Lib D ◆ All Reg Voters

Increasing the availability of public transportation in your county.
71 81 86 89 97

Providing funding to help homeowners make energy-efficiency improvements to their homes (such as replacing old, inefficient furnaces, water heaters, air conditioners, and insulation).
65 83 85 91 98

Constructing bike paths and installing bike lanes on city streets.
64 78 79 79 91

0% 50% 100%

How much do you support or oppose the following policies for your local community?

Spring 2023

Source: Yale Program on Climate Change Communication; George Mason University Center for Climate Change Communication
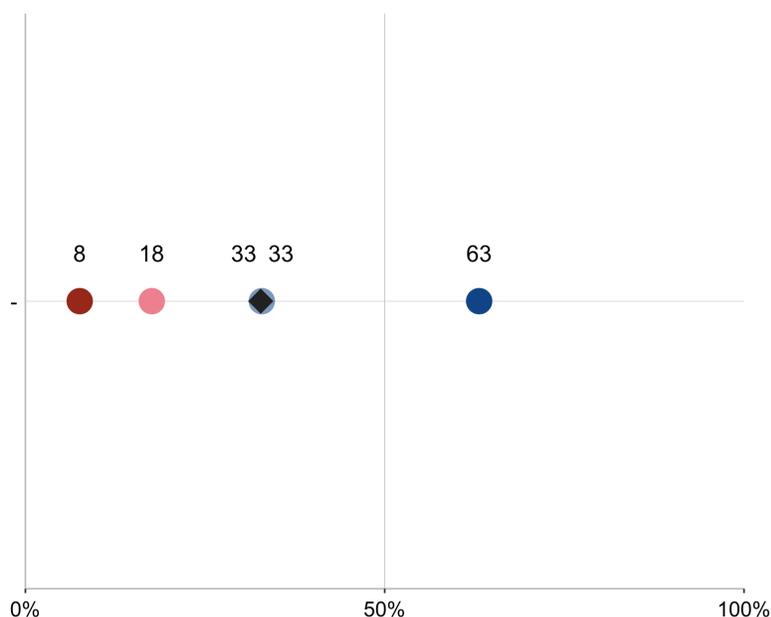
YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER for CLIMATE CHANGE COMMUNICATION

Appendix I: Data Tables

Table Notes:

- In all tables, the base is registered voters in the United States.

- In the first row of each table, "Unweighted Base" refers to the unweighted number of respondents in each column.

- Percentages reported are weighted to match U.S. Census parameters.

- A dash ("-") denotes that there were no responses in that cell, and "0" denotes that the cell value is greater than 0 but less than 0.50.

1.1 Do you think the following should be a low, medium, high, or very high priority for the president and Congress?

Global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Very High (%)	30	45	55	32	28	10	20	4
High (%)	25	34	33	36	27	11	21	5
Medium (%)	20	15	10	21	19	25	25	26
Low (%)	26	5	1	10	26	54	34	65

1.2 Do you think the following should be a low, medium, high, or very high priority for the president and Congress?

Developing sources of clean energy

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Very High (%)	36	53	68	33	36	15	23	10
High (%)	30	34	28	43	32	25	33	21
Medium (%)	22	12	5	22	20	33	26	37
Low (%)	12	1	-	1	13	27	18	33

2.1 How much do you support or oppose the following policies?

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	33	50	60	36	39	9	14	7
Somewhat support (%)	40	41	35	49	35	40	51	35
Somewhat oppose (%)	13	8	4	13	11	22	20	23
Strongly oppose (%)	13	1	-	2	15	27	14	35
No response (%)	1	1	1	-	-	1	1	1

YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER *for* CLIMATE CHANGE COMMUNICATION

Require electric utilities to produce 100% of their electricity from wind, solar, or other renewable energy sources by the year 2035

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	28	42	49	33	29	9	19	4
Somewhat support (%)	39	46	43	49	35	29	39	23
Somewhat oppose (%)	14	9	6	13	18	19	18	20
Strongly oppose (%)	19	3	1	4	18	42	24	52
No response (%)	1	0	1	-	-	1	1	1

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	41	61	78	39	44	13	21	9
Somewhat support (%)	39	32	20	49	39	44	49	41
Somewhat oppose (%)	10	5	1	10	7	18	16	19
Strongly oppose (%)	10	1	1	1	10	24	12	31
No response (%)	0	0	0	-	-	1	2	-

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	36	52	64	36	32	16	19	14
Somewhat support (%)	40	39	33	49	41	38	50	32
Somewhat oppose (%)	12	7	1	14	13	19	16	20
Strongly oppose (%)	12	1	1	1	14	27	13	34
No response (%)	0	0	0	-	-	0	1	-

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	30	47	57	33	34	8	15	4
Somewhat support (%)	38	40	33	49	34	35	44	29
Somewhat oppose (%)	14	9	7	12	10	22	20	23
Strongly oppose (%)	17	3	2	6	22	34	19	42
No response (%)	1	1	1	-	-	2	2	2

Transition the U.S. economy (incl. electric utilities, transportation, buildings, industry) from fossil fuels to 100% clean energy by 2050

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	32	50	60	37	32	9	13	7
Somewhat support (%)	37	39	33	47	37	31	46	23
Somewhat oppose (%)	13	9	5	12	12	19	18	20
Strongly oppose (%)	18	2	-	4	19	40	23	50
No response (%)	1	1	1	-	-	0	1	-

Provide tax credits or rebates to encourage people to buy electric appliances, such as heat pumps and induction stoves, that run on electricity instead of oil or gas

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	29	42	51	30	28	11	12	10
Somewhat support (%)	42	44	41	47	36	40	53	33
Somewhat oppose (%)	15	12	7	20	21	19	17	20
Strongly oppose (%)	13	1	-	2	16	30	17	37
No response (%)	1	1	1	-	-	1	2	-

Provide federal funding to make residential buildings in low-income communities more energy efficient

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	36	53	65	37	40	13	18	10
Somewhat support (%)	40	37	31	46	37	42	50	37
Somewhat oppose (%)	13	8	4	14	11	20	18	21
Strongly oppose (%)	11	1	-	3	12	25	14	31
No response (%)	1	0	1	-	-	1	1	1

Develop a national program to train people from low-income communities and communities of color for new jobs in the renewable energy industry (such as wind and solar)

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	34	52	64	35	29	11	21	6
Somewhat support (%)	42	41	34	51	43	41	51	36
Somewhat oppose (%)	12	5	1	10	11	22	15	26
Strongly oppose (%)	12	2	1	3	16	25	13	32
No response (%)	0	0	0	-	1	0	1	-

Develop a national program to train people who work in the fossil fuel industry for new jobs in the renewable energy industry (such as wind and solar)

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	35	52	63	36	38	12	19	7
Somewhat support (%)	40	39	33	48	37	40	51	34
Somewhat oppose (%)	12	8	3	14	9	20	17	22
Strongly oppose (%)	12	1	-	2	16	27	12	36
No response (%)	1	0	1	-	-	1	1	1

2.2 How much do you support or oppose the following policies?

Create more parks and green spaces in low-income communities and communities of color

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	40	56	65	43	43	18	22	15
Somewhat support (%)	41	37	30	46	39	47	53	45
Somewhat oppose (%)	9	5	2	8	7	16	14	18
Strongly oppose (%)	9	2	2	3	10	18	10	21
No response (%)	1	0	1	-	-	1	1	1

Provide federal funding to help farmers improve farming practices to protect and restore the soil so it absorbs and stores more carbon

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	40	51	57	43	39	25	35	19
Somewhat support (%)	42	42	38	47	42	43	46	42
Somewhat oppose (%)	10	6	4	9	8	15	9	19
Strongly oppose (%)	7	0	-	1	11	16	8	20
No response (%)	0	0	0	-	-	1	2	-

2.3 How much do you support or oppose the following policies?

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	22	10	7	13	26	38	24	46
Somewhat support (%)	35	30	20	43	30	42	54	35
Somewhat oppose (%)	24	31	32	30	29	11	13	11
Strongly oppose (%)	19	28	39	13	14	9	8	8
No response (%)	0	1	1	1	-	0	1	-

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

2.4 How much do you support or oppose building the following in your local area?

Solar farms

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	35	52	65	34	38	13	18	9
Somewhat support (%)	28	26	23	31	31	30	37	27
Neither support nor oppose (%)	24	19	11	30	20	30	30	30
Somewhat oppose (%)	5	2	0	5	6	9	10	9
Strongly oppose (%)	7	0	0	1	4	17	5	24
No response (%)	0	-	-	-	-	1	-	1

Wind farms

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	30	43	55	28	33	12	17	9
Somewhat support (%)	27	29	28	31	31	24	31	20
Neither support nor oppose (%)	24	23	15	33	16	27	27	26
Somewhat oppose (%)	9	4	2	8	8	17	18	17
Strongly oppose (%)	9	1	1	2	11	20	7	27
No response (%)	0	-	-	-	-	1	-	1

Electric vehicle charging stations

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	31	47	60	30	26	12	11	13
Somewhat support (%)	24	27	29	25	21	23	34	16
Neither support nor oppose (%)	24	20	8	35	33	27	28	26
Somewhat oppose (%)	9	3	2	4	10	17	17	17
Strongly oppose (%)	11	3	1	6	10	21	11	27
No response (%)	0	-	-	-	-	1	-	1

High-voltage power lines to distribute clean energy

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	23	31	37	23	19	13	14	13
Somewhat support (%)	28	33	35	30	28	22	22	23
Neither support nor oppose (%)	36	27	21	36	40	44	49	43
Somewhat oppose (%)	7	6	5	7	6	8	8	8
Strongly oppose (%)	6	2	1	4	5	11	7	13
No response (%)	1	0	1	-	2	1	1	1

Nuclear power plants

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	15	9	10	8	18	22	12	27
Somewhat support (%)	19	21	25	15	18	18	19	17
Neither support nor oppose (%)	26	29	25	35	29	22	28	18
Somewhat oppose (%)	19	21	19	24	20	17	19	15
Strongly oppose (%)	21	19	21	16	16	22	22	21
No response (%)	1	1	1	1	-	1	-	1

2.5 If Congress does not take further action on global warming, would you support or oppose a U.S. president declaring global warming a national emergency to act on it without Congress?

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	23	38	45	29	14	4	7	3
Somewhat support (%)	34	46	46	46	38	17	32	9
Somewhat oppose (%)	14	10	8	14	17	17	23	14
Strongly oppose (%)	28	5	1	10	29	59	35	72
No response (%)	1	-	-	-	1	3	4	2

3.1 How much, if anything, have you heard or read about the federal law called the "Inflation Reduction Act of 2022" (also known as the "IRA"), a bill that was passed by the U.S. Congress and signed by President Biden? Have you heard...

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
A lot (%)	12	9	10	8	11	17	15	19
Some (%)	27	32	38	24	26	23	18	26
Only a little (%)	21	22	23	21	11	22	22	20
Nothing at all (%)	40	37	29	47	51	38	45	34
No response (%)	0	0	-	1	-	-	-	-

3.2 How much do you support or oppose this law?

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	36	59	71	43	27	9	15	6
Somewhat support (%)	35	35	27	46	46	29	42	22
Somewhat oppose (%)	11	3	1	6	8	22	19	23
Strongly oppose (%)	17	3	1	5	17	37	22	46
No response (%)	1	-	-	-	1	2	3	2

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

You personally

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	8	13	11	16	7	3	5	2
More (%)	39	53	62	40	34	20	35	11
Currently doing the right amount (%)	41	29	24	36	48	58	50	62
Less (%)	4	3	1	6	3	6	6	7
Much less (%)	7	2	1	2	8	14	3	20
No response (%)	0	0	0	-	-	0	1	-

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Your local government officials

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	22	33	36	28	24	9	16	5
More (%)	35	45	49	40	28	22	29	17
Currently doing the right amount (%)	25	17	12	23	27	36	32	38
Less (%)	7	3	1	5	5	13	12	13
Much less (%)	11	2	1	3	17	21	11	27
No response (%)	0	0	0	-	-	0	1	-

Your governor

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	23	33	37	28	26	9	15	5
More (%)	33	43	46	39	26	20	32	14
Currently doing the right amount (%)	25	20	15	25	22	34	27	39
Less (%)	6	2	-	4	8	13	14	12
Much less (%)	12	2	1	3	17	23	11	30
No response (%)	0	0	0	-	1	0	1	-

The U.S. Congress

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	35	53	66	36	36	10	19	5
More (%)	28	32	29	36	23	23	33	18
Currently doing the right amount (%)	15	9	3	17	16	22	18	24
Less (%)	9	2	1	5	8	20	18	21
Much less (%)	13	3	1	5	16	25	11	33
No response (%)	0	0	0	0	-	0	1	-

President Biden

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	20	26	27	23	27	10	14	7
More (%)	34	46	55	34	19	22	36	15
Currently doing the right amount (%)	20	23	16	33	24	14	15	13
Less (%)	8	2	0	4	11	15	16	15
Much less (%)	17	3	1	5	17	38	18	49
No response (%)	1	1	0	1	1	1	1	1

Corporations and industry

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	42	62	74	48	40	15	24	10
More (%)	28	24	20	31	27	33	41	29
Currently doing the right amount (%)	15	9	4	14	13	25	21	28
Less (%)	6	2	1	4	6	11	5	14
Much less (%)	9	2	1	3	13	16	8	20
No response (%)	0	0	0	-	1	0	1	-

Citizens themselves

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	23	36	37	34	20	8	15	4
More (%)	37	43	50	35	44	26	37	19
Currently doing the right amount (%)	25	17	10	26	20	38	35	41
Less (%)	6	3	1	5	7	12	8	13
Much less (%)	8	1	1	-	10	16	4	22
No response (%)	1	1	0	1	-	1	1	0

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

The media

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	24	35	42	26	23	9	13	6
More (%)	32	41	44	37	30	19	29	14
Currently doing the right amount (%)	18	18	12	26	19	19	21	17
Less (%)	9	2	1	4	7	17	20	15
Much less (%)	17	4	1	7	20	36	16	48
No response (%)	0	0	0	-	1	0	1	-

The Democratic Party

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	21	30	33	26	24	9	13	7
More (%)	33	44	50	36	26	20	30	14
Currently doing the right amount (%)	19	20	14	28	21	18	20	17
Less (%)	8	2	1	3	9	16	17	16
Much less (%)	18	4	2	6	19	37	19	46
No response (%)	1	0	0	0	2	1	1	1

The Republican Party

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Much more (%)	39	63	78	44	32	10	18	5
More (%)	23	22	15	31	26	22	30	17
Currently doing the right amount (%)	21	8	1	17	21	38	32	42
Less (%)	6	3	2	4	7	11	10	11
Much less (%)	11	4	4	5	14	20	9	25
No response (%)	0	0	0	-	1	0	1	-

4.2 How much do you agree or disagree with the following statement? The U.S. government is responding well to the issue of global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly agree (%)	1	1	1	0	-	1	1	1
Somewhat agree (%)	11	14	15	13	6	7	6	7
Neutral (%)	38	34	24	48	41	41	49	37
Somewhat disagree (%)	27	32	39	23	23	21	24	19
Strongly disagree (%)	23	18	20	15	30	28	18	34
No response (%)	1	1	2	-	-	1	3	1

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

Signed a petition about global warming, either online or in person

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Many times (6+) (%)	2	3	3	3	3	0	1	0
Several times (4-5) (%)	2	3	3	2	-	0	1	-
A few times (2-3) (%)	6	9	11	6	5	3	7	1
Once (%)	7	11	15	6	2	3	7	1
Never (%)	79	68	60	78	84	92	83	97
Don't know (%)	4	7	7	6	4	1	1	0
No response (%)	0	-	-	-	-	1	-	1

Donated money to an organization working on global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Many times (6+) (%)	1	1	2	0	1	-	-	-
Several times (4-5) (%)	2	2	4	1	-	0	1	0
A few times (2-3) (%)	3	5	7	3	3	2	5	0
Once (%)	6	11	15	6	3	1	1	1
Never (%)	84	75	67	85	88	96	93	97
Don't know (%)	4	6	7	4	4	1	1	0
No response (%)	0	-	-	-	1	1	-	1

Volunteered your time to an organization working on global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Many times (6+) (%)	0	0	0	-	2	-	-	-
Several times (4-5) (%)	0	1	1	0	-	0	-	0
A few times (2-3) (%)	1	3	3	3	1	-	-	-
Once (%)	3	4	5	3	2	1	3	-
Never (%)	92	89	88	89	92	98	96	98
Don't know (%)	2	4	3	4	3	1	1	0
No response (%)	0	-	-	-	-	1	-	1

5.2 When you contacted a government official did you…

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Urge them to take action to reduce global warming? (%)	8	14	17	9	6	2	6	0
Urge them to not take action to reduce global warming? (%)	1	1	0	1	1	0	-	1
Other (%)	1	1	1	2	1	0	-	0
No response (%)	0	-	-	-	1	-	-	-
Not asked (%)	90	84	82	88	90	97	94	99

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

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	9	13	16	8	9	2	4	1
Probably would (%)	23	34	40	25	16	10	15	8
Probably would not (%)	24	24	22	27	25	22	29	19
Definitely would not (%)	29	11	6	18	26	55	39	64
Prefer not to answer (%)	3	3	4	2	6	2	2	2
Don't know (%)	12	14	12	17	18	7	11	5
No response (%)	1	1	0	2	-	1	1	1

Sign a petition about global warming, either online or in person

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	32	49	59	38	26	11	17	7
Probably would (%)	24	29	28	30	23	17	21	15
Probably would not (%)	9	6	4	8	15	13	12	13
Definitely would not (%)	22	5	2	10	16	48	34	56
Prefer not to answer (%)	2	2	3	2	5	1	1	2
Don't know (%)	9	8	5	12	15	9	13	6
No response (%)	1	1	0	1	-	1	1	1

Volunteer your time to an organization working on global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	7	11	10	12	9	2	5	1
Probably would (%)	24	36	46	23	20	8	16	4
Probably would not (%)	23	23	21	25	23	23	27	21
Definitely would not (%)	28	9	3	16	22	57	39	66
Prefer not to answer (%)	3	3	3	3	5	2	1	2
Don't know (%)	14	17	16	19	21	7	12	4
No response (%)	1	1	0	1	-	1	1	1

Donate money to an organization working on global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	8	13	17	8	7	1	2	0
Probably would (%)	24	38	45	28	15	10	17	6
Probably would not (%)	19	18	16	20	25	19	23	18
Definitely would not (%)	31	12	3	24	28	59	42	68
Prefer not to answer (%)	4	5	5	5	4	2	2	3
Don't know (%)	12	14	13	14	21	7	13	4
No response (%)	1	1	0	1	-	1	1	1

Meet with an elected official or their staff about global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	8	10	13	6	11	3	6	2
Probably would (%)	21	32	35	28	14	9	12	7
Probably would not (%)	24	25	26	24	21	24	29	22
Definitely would not (%)	29	12	7	20	26	53	39	60
Prefer not to answer (%)	3	3	3	4	5	2	1	2
Don't know (%)	14	16	16	17	23	8	13	6
No response (%)	1	1	0	1	-	1	1	1

Support an organization engaging in non-violent civil disobedience (e.g., sit-ins, blockades, or trespassing) against corporate or government activities that make global warming worse

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	7	11	15	6	7	3	5	1
Probably would (%)	20	32	40	21	15	5	5	5
Probably would not (%)	20	25	21	28	21	13	16	11
Definitely would not (%)	36	13	7	22	35	66	52	74
Prefer not to answer (%)	4	5	4	6	6	2	2	2
Don't know (%)	13	13	12	16	16	10	19	5
No response (%)	1	1	0	1	-	1	1	1

Personally engage in non-violent civil disobedience (e.g., sit-ins, blockades, or trespassing) against corporate or government activities that make global warming worse

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Definitely would (%)	4	7	9	5	4	1	2	1
Probably would (%)	11	16	18	13	12	4	9	2
Probably would not (%)	25	37	40	32	16	14	20	11
Definitely would not (%)	42	20	17	25	45	71	53	81
Prefer not to answer (%)	4	4	3	6	8	2	2	2
Don't know (%)	12	15	12	18	15	7	14	3
No response (%)	1	1	0	1	-	1	1	1

YALE PROGRAM ON Climate Change Communication

GEORGE MASON UNIVERSITY CENTER for CLIMATE CHANGE COMMUNICATION

5.4 How willing or unwilling would you be to get arrested as part of a non-violent civil disobedience action against corporate or government activities that make global warming worse?

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
I definitely would do it (%)	2	3	4	2	3	-	-	-
I probably would do it (%)	3	4	5	2	3	1	2	1
I probably would not do it (%)	4	6	7	5	3	1	2	-
I definitely would not do it (%)	5	6	5	8	3	3	5	2
Prefer not to answer (%)	0	0	1	-	-	-	-	-
Not sure (%)	2	3	4	2	6	1	2	-
Not asked (%)	85	77	73	82	84	94	89	97

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

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
I am participating in a campaign like this now (%)	1	2	3	1	2	0	-	0
I definitely would do it (%)	9	14	19	8	12	2	4	1
I probably would do it (%)	22	34	42	23	16	9	13	6
I probably would not do it (%)	15	15	11	20	15	15	15	16
I definitely would not do it (%)	26	8	2	16	28	52	36	60
Not sure (%)	21	22	19	26	22	17	26	11
Prefer not to answer (%)	5	5	5	5	6	5	5	5
No response (%)	0	0	0	-	0	1	-	1

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

…affect what the federal government does about global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Extremely confident (%)	5	6	7	4	6	3	3	3
Very confident (%)	13	21	23	17	6	6	10	3
Moderately confident (%)	33	41	43	39	36	22	32	16
Only a little confident (%)	27	25	22	28	34	26	23	28
Not at all confident (%)	21	7	4	11	18	42	31	48
No response (%)	1	0	-	1	1	2	1	2

…affect what corporations do about global warming

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Extremely confident (%)	4	6	7	5	5	2	1	2
Very confident (%)	13	17	21	13	9	8	11	6
Moderately confident (%)	30	36	34	38	36	22	30	18
Only a little confident (%)	28	29	29	29	28	26	24	27
Not at all confident (%)	24	11	9	14	21	41	33	45
No response (%)	1	1	-	1	1	2	1	2

7.1 How much do you support or oppose the following policies for your local community?

Providing funding to help homeowners make energy-efficiency improvements to their homes (such as replacing old, inefficient furnaces, water heaters, air conditioners, and insulation).

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	47	61	71	49	52	24	31	20
Somewhat support (%)	39	34	27	42	32	48	52	45
Somewhat oppose (%)	7	4	1	6	6	13	11	15
Strongly oppose (%)	7	1	1	2	9	13	5	19
No response (%)	1	0	-	0	-	1	1	1

Constructing bike paths and installing bike lanes on city streets.

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	34	45	55	32	37	20	28	16
Somewhat support (%)	44	41	37	47	42	49	50	48
Somewhat oppose (%)	13	11	7	16	12	16	15	16
Strongly oppose (%)	8	2	1	4	9	14	6	18
No response (%)	0	0	-	0	-	1	1	1

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Increasing the availability of public transportation in your county.

	All Registered Voters	Total Democrats	Liberal Democrats	Moderate/ Conservative Democrats	Independent/ Other	Total Republicans	Liberal/ Moderate Republicans	Conservative Republicans
Unweighted Base	861	392	230	160	101	334	112	220
Strongly support (%)	39	56	68	39	45	17	21	15
Somewhat support (%)	47	38	29	51	44	57	59	56
Somewhat oppose (%)	8	5	3	7	8	14	10	16
Strongly oppose (%)	5	1	-	3	3	11	8	12
No response (%)	1	0	-	0	-	2	1	2

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
COMMUNICATION

Appendix II: Survey Method

The data in this report are based on a nationally representative survey of 1,011 American adults, aged 18 and older. Results are reported for the subset of 861 registered voters who participated in the survey. The survey was conducted April 16 –May 1, 2023. All questionnaires were self-administered by respondents in a web-based environment. The median completion time for the survey was 22 minutes.

The sample was drawn from the Ipsos 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) residential 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. The sample was weighted, post survey, to match key US Census Bureau demographic norms.

From November 2008 to December 2018, no KnowledgePanel® member participated in more than one *Climate Change in the American Mind* (CCAM) survey. Beginning with the April 2019 survey, panel members who have participated in CCAM surveys in the past, excluding the most recent two surveys, may be randomly selected for participation. In the current survey, 267 respondents, 232 of whom are registered voters included in this report, participated in a previous CCAM survey.

The survey instrument was designed by Anthony Leiserowitz, Seth Rosenthal, Jennifer Carman, Marija Verner, Matthew Ballew, Sanguk Lee, Matthew Goldberg, and Jennifer Marlon of Yale University, and Edward Maibach, John Kotcher, Teresa Myers, and Nicholas Badullovich of George Mason University. The figures and tables were constructed by Emily Goddard of Yale 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:

- All Registered Voters (*n* = 861): Plus or minus 3 percentage points.
- Democrats (total; *n* = 392): Plus or minus 5 percentage points.
- Liberal Democrats (*n* = 230): Plus or minus 7 percentage points.
- Moderate/conservative Democrats (*n* = 160): Plus or minus 8 percentage points.
- Independents (*n* = 101): Plus or minus 10 percentage points.
- Republicans (total; *n* = 334): Plus or minus 5 percentage points.
- Liberal/moderate Republicans (*n* = 112): Plus or minus 9 percentage points.
- Conservative Republicans (*n* = 220): Plus or minus 7 points.

Rounding error and tabulation

In data tables, bases specified are unweighted, while percentages are weighted to match national population parameters.

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. For example, in some cases, the sum of 25% + 25% might be reported as 51% (e.g., 25.3% + 25.3% = 50.6%, which, after rounding, would be reported as 25% + 25% = 51%).

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

Appendix III: Sample Demographics

Registered Voters

	n (unweighted)	% (weighted)
Total	861	100
Female	445	51
Male	416	49
Generation Z (1997 -)	38	7
Millennials (1981 - 1996)	173	26
Generation X (1965 - 1980)	223	26
Baby Boomers (1946 - 1964)	340	33
Silent (1928 - 1945)	87	8
Less than high school	35	6
High school	203	26
Some college	237	28
Bachelor's degree or higher	386	39
<$25K	71	10
$25K-<$50K	118	15
$50K-<$75K	148	16
$75K-<$100K	120	13
$100K-<$125K	101	12
$125K+	303	35
White, Non-Hispanic	623	65
Black, Non-Hispanic	72	12
Hispanic	98	15
2+ Races, Non-Hispanic	34	1
Other, Non-Hispanic	34	7
Northeast	152	17
Midwest	191	21
South	313	39
West	205	23

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION

Full Sample

	n (unweighted)	% (weighted)
Total	1,011	100
Female	516	51
Male	495	49
Generation Z (1997 -)	56	9
Millennials (1981 - 1996)	220	28
Generation X (1965 - 1980)	265	25
Baby Boomers (1946 - 1964)	381	31
Silent (1928 - 1945)	89	6
Less than high school	59	9
High school	268	29
Some college	266	26
Bachelor's degree or higher	418	35
<$25K	97	12
$25K-<$50K	147	16
$50K-<$75K	180	16
$75K-<$100K	143	13
$100K-<$125K	112	11
$125K+	332	32
White, Non-Hispanic	710	62
Black, Non-Hispanic	86	12
Hispanic	133	17
2+ Races, Non-Hispanic	40	1
Other, Non-Hispanic	42	7
Northeast	184	17
Midwest	219	21
South	363	38
West	245	24

YALE PROGRAM ON
Climate Change
Communication

GEORGE MASON UNIVERSITY
CENTER *for* CLIMATE CHANGE
COMMUNICATION