

Q3. Are you registered to vote in Pennsylvania?

|     |     |
|-----|-----|
| Yes | 100 |
| No  | 0   |

Q4. Did you vote in either the 2018 or 2020 general elections?

|                          |    |
|--------------------------|----|
| Yes - 2018 only          | 3  |
| Yes - 2020 only          | 18 |
| Yes - both 2018 and 2020 | 77 |
| No                       | 2  |

**If "No" in Q4**

Q5. Did you register to vote after the 2020 general election?

|     |     |
|-----|-----|
| Yes | 100 |
| No  | 0   |

Q6. While it is a long way off, how likely are you to vote in the November 2022 election for Governor, Senator, Congress and other offices in Pennsylvania?

|                    |    |
|--------------------|----|
| Absolutely certain | 69 |
| Very likely        | 21 |
| Possibly           | 10 |
| Not very likely    | 0  |
| Not at all likely  | 0  |
| Don't know         | 0  |
|                    |    |
| V Lkly/Poss        | 31 |

Q7. Are you...

|        |    |
|--------|----|
| Male   | 47 |
| Female | 53 |

Q8. Please tell me your exact age:

|       |    |
|-------|----|
| 18-29 | 11 |
| 30-44 | 21 |
| 45-59 | 26 |
| 60+   | 42 |
|       |    |
| <50   | 39 |
| 50+   | 61 |

Q9. Which of the following ethnic groups best describes you?

|                             |    |
|-----------------------------|----|
| White or Caucasian          | 88 |
| Black or African American   | 7  |
| Latino, Hispanic or Mexican | 2  |
| Asian or Pacific Islander   | 2  |
| Native American             | 0  |
| Mixed Race                  | 1  |
| Other                       | 0  |
| <br>                        |    |
| Non-White                   | 12 |

Q10. Which is the last grade you had the opportunity to complete?

|   |    |
|---|----|
| Grade school                                  | 0  |
| Some high school                              | 1  |
| High school graduate                          | 22 |
| Community college/technical school            | 7  |
| Some college                                  | 24 |
| College graduate                              | 30 |
| Graduate school, medical school or law school | 16 |
| Prefer not to answer                          | 0  |
| <br>  |    |
| <Coll   | 54 |
| Coll+   | 46 |

Q11. Do you consider yourself a strong Democrat, weak Democrat, strong Republican, weak Republican, or an Independent or unaffiliated voter?

|                                      |    |
|--------------------------------------|----|
| Strong Democrat                      | 29 |
| Weak Democrat                        | 15 |
| Strong Republican                    | 23 |
| Weak Republican                      | 17 |
| Independent/unaffiliated/other party | 16 |
| <br>                                 |    |
| Total Dem                            | 44 |
| Total Rep                            | 40 |

**Asked if "Independent" in Q11**

Q12. In general, would you say that you lean more towards the...?

|                  |    |
|------------------|----|
| Democratic Party | 32 |
| Republican Party | 24 |
| Neither party    | 44 |

**Party ID w/ Leaners**

|     |    |
|-----|----|
| Dem | 49 |
| Ind | 7  |
| Rep | 44 |

Q13. Do you generally think things in the United States are headed in the right direction or are they on the wrong track?

|                 |    |
|-----------------|----|
| Right direction | 48 |
| Wrong track     | 52 |

Q14. Do you generally think things in Pennsylvania are headed in the right direction or are they on the wrong track?

|                 |    |
|-----------------|----|
| Right direction | 46 |
| Wrong track     | 54 |

Q15. In your opinion, which are the top three problems you would like to see the President and Congress address? [THREE RESPONSES ACCEPTED]

**Ranked by 1<sup>st</sup> Choice**

|  | 1 <sup>st</sup> Choice | All Choices Combined |
|--|------------------------|----------------------|
| COVID-19 or Coronavirus                    | 11                     | 24                   |
| Jobs and economic growth                   | 10                     | 29                   |
| Immigration                                | 10                     | 22                   |
| Health care                                | 9                      | 26                   |
| Social Security and Medicare               | 8                      | 22                   |
| Climate change                             | 8                      | 21                   |
| Taxes                                      | 6                      | 17                   |
| Wages and income                           | 5                      | 17                   |
| The Federal budget and government spending | 5                      | 18                   |
| Crime and public safety                    | 5                      | 21                   |
| National security                          | 5                      | 17                   |
| The environment                            | 4                      | 11                   |
| Economic equality                          | 3                      | 11                   |
| Education                                  | 3                      | 9                    |
| Abortion rights                            | 2                      | 5                    |
| Marriage equality/gay rights               | 1                      | 2                    |
| Religious liberty                          | 1                      | 3                    |
| People's personal debt                     | 1                      | 4                    |
| Energy                                     | 1                      | 3                    |
| International relations                    | 1                      | 3                    |
| Consumer privacy                           | 1                      | 2                    |
| Voting rights                              | 1                      | 1                    |

**Please rate how you feel about each of the following.**

**Favorability – Summary**

| Q16            | Oil and gas companies | ExxonMobil | Range Resources Appalachia | Chesapeake Appalachia | Cabot Oil & Gas | PPL Electric Utilities | Marathon Oil | BP        |
|----------------|-----------------------|------------|----------------------------|-----------------------|-----------------|------------------------|--------------|-----------|
| Name ID        | 95                    | 92         | 24                         | 25                    | 34              | 59                     | 54           | 78        |
| Very Fav       | 11                    | 10         | 4                          | 3                     | 4               | 14                     | 5            | 7         |
| Fav/Unfav      | 50/45                 | 53/39      | 14/10                      | 16/9                  | 17/17           | 45/14                  | 30/24        | 40/37     |
| <b>Net Fav</b> | <b>+5</b>             | <b>+14</b> | <b>+4</b>                  | <b>+7</b>             | <b>0</b>        | <b>+31</b>             | <b>+6</b>    | <b>+3</b> |

**Favorability – Summary – Continued**

| Q16            | Google     | Apple      | Walmart    | Amazon     | Ford Motors | Verizon Wireless | AT&T       | Procter & Gamble | Nationwide | Kroger     |
|----------------|------------|------------|------------|------------|-------------|------------------|------------|------------------|------------|------------|
| Name ID        | 99         | 95         | 99         | 98         | 95          | 95               | 95         | 89               | 85         | 61         |
| Very Fav       | 39         | 31         | 28         | 38         | 20          | 23               | 18         | 20               | 13         | 10         |
| Fav/Unfav      | 82/18      | 70/25      | 73/26      | 79/20      | 73/22       | 73/23            | 69/27      | 76/12            | 67/18      | 53/8       |
| <b>Net Fav</b> | <b>+64</b> | <b>+45</b> | <b>+47</b> | <b>+59</b> | <b>+51</b>  | <b>+50</b>       | <b>+42</b> | <b>+64</b>       | <b>+49</b> | <b>+45</b> |

Q16\_1. Oil and gas companies

|                      |    |
|----------------------|----|
| Very favorable       | 11 |
| Somewhat favorable   | 38 |
| Somewhat unfavorable | 30 |
| Very unfavorable     | 16 |
| Unfamiliar with      | 5  |
| Total Fav            | 50 |
| Total Unfav          | 45 |
| Name ID              | 95 |

Q16\_2. ExxonMobil

|                      |    |
|----------------------|----|
| Very favorable       | 10 |
| Somewhat favorable   | 43 |
| Somewhat unfavorable | 26 |
| Very unfavorable     | 13 |
| Unfamiliar with      | 8  |
| Total Fav            | 53 |
| Total Unfav          | 39 |
| Name ID              | 92 |

Q16\_3. Range Resources Appalachia

|                      |    |
|----------------------|----|
| Very favorable       | 4  |
| Somewhat favorable   | 10 |
| Somewhat unfavorable | 7  |
| Very unfavorable     | 3  |
| Unfamiliar with      | 76 |
| Total Fav            | 14 |
| Total Unfav          | 10 |
| Name ID              | 24 |

Q16\_4. Chesapeake Appalachia

|                      |    |
|----------------------|----|
| Very favorable       | 3  |
| Somewhat favorable   | 12 |
| Somewhat unfavorable | 6  |
| Very unfavorable     | 3  |
| Unfamiliar with      | 75 |
| Total Fav            | 16 |
| Total Unfav          | 9  |
| Name ID              | 25 |

Q16\_5. Cabot Oil & Gas

|                      |    |
|----------------------|----|
| Very favorable       | 4  |
| Somewhat favorable   | 12 |
| Somewhat unfavorable | 11 |
| Very unfavorable     | 6  |
| Unfamiliar with      | 66 |
| Total Fav            | 17 |
| Total Unfav          | 17 |
| Name ID              | 34 |

Q16\_6. PPL Electric Utilities

|                      |    |
|----------------------|----|
| Very favorable       | 14 |
| Somewhat favorable   | 31 |
| Somewhat unfavorable | 11 |
| Very unfavorable     | 3  |
| Unfamiliar with      | 41 |
| Total Fav            | 45 |
| Total Unfav          | 14 |
| Name ID              | 59 |

Q16\_7. Marathon Oil

|                      |    |
|----------------------|----|
| Very favorable       | 5  |
| Somewhat favorable   | 25 |
| Somewhat unfavorable | 17 |
| Very unfavorable     | 7  |
| Unfamiliar with      | 46 |
| Total Fav            | 30 |
| Total Unfav          | 24 |
| Name ID              | 54 |

Q16\_8. BP (formerly the British Petroleum Company)

|                      |    |
|----------------------|----|
| Very favorable       | 7  |
| Somewhat favorable   | 34 |
| Somewhat unfavorable | 25 |
| Very unfavorable     | 12 |
| Unfamiliar with      | 22 |
| Total Fav            | 40 |
| Total Unfav          | 37 |
| Name ID              | 78 |

Q16\_9. Google

|                      |    |
|----------------------|----|
| Very favorable       | 39 |
| Somewhat favorable   | 42 |
| Somewhat unfavorable | 11 |
| Very unfavorable     | 7  |
| Unfamiliar with      | 1  |
| Total Fav            | 82 |
| Total Unfav          | 18 |
| Name ID              | 99 |

Q16\_10. Apple

|                      |    |
|----------------------|----|
| Very favorable       | 31 |
| Somewhat favorable   | 40 |
| Somewhat unfavorable | 16 |
| Very unfavorable     | 9  |
| Unfamiliar with      | 5  |
| Total Fav            | 70 |
| Total Unfav          | 25 |
| Name ID              | 95 |

Q16\_11. Walmart

|                      |    |
|----------------------|----|
| Very favorable       | 28 |
| Somewhat favorable   | 45 |
| Somewhat unfavorable | 17 |
| Very unfavorable     | 9  |
| Unfamiliar with      | 1  |
| Total Fav            | 73 |
| Total Unfav          | 26 |
| Name ID              | 99 |

Q16\_12. Amazon

|                      |    |
|----------------------|----|
| Very favorable       | 38 |
| Somewhat favorable   | 40 |
| Somewhat unfavorable | 12 |
| Very unfavorable     | 7  |
| Unfamiliar with      | 2  |
| Total Fav            | 79 |
| Total Unfav          | 20 |
| Name ID              | 98 |

Q16\_13. Ford Motors

|                      |    |
|----------------------|----|
| Very favorable       | 20 |
| Somewhat favorable   | 54 |
| Somewhat unfavorable | 16 |
| Very unfavorable     | 5  |
| Unfamiliar with      | 5  |
| Total Fav            | 73 |
| Total Unfav          | 22 |
| Name ID              | 95 |

Q16\_14. Verizon Wireless

|                      |    |
|----------------------|----|
| Very favorable       | 23 |
| Somewhat favorable   | 50 |
| Somewhat unfavorable | 15 |
| Very unfavorable     | 7  |
| Unfamiliar with      | 5  |
| Total Fav            | 73 |
| Total Unfav          | 23 |
| Name ID              | 95 |

Q16\_15. AT&T

|                      |    |
|----------------------|----|
| Very favorable       | 18 |
| Somewhat favorable   | 50 |
| Somewhat unfavorable | 19 |
| Very unfavorable     | 7  |
| Unfamiliar with      | 5  |
| Total Fav            | 69 |
| Total Unfav          | 27 |
| Name ID              | 95 |

Q16\_16. Procter & Gamble

|                      |    |
|----------------------|----|
| Very favorable       | 20 |
| Somewhat favorable   | 56 |
| Somewhat unfavorable | 10 |
| Very unfavorable     | 2  |
| Unfamiliar with      | 11 |
| Total Fav            | 76 |
| Total Unfav          | 12 |
| Name ID              | 89 |

Q16\_17. Nationwide

|                      |    |
|----------------------|----|
| Very favorable       | 13 |
| Somewhat favorable   | 54 |
| Somewhat unfavorable | 14 |
| Very unfavorable     | 4  |
| Unfamiliar with      | 15 |
| Total Fav            | 67 |
| Total Unfav          | 18 |
| Name ID              | 85 |

Q16\_18. Kroger

|                      |    |
|----------------------|----|
| Very favorable       | 10 |
| Somewhat favorable   | 42 |
| Somewhat unfavorable | 7  |
| Very unfavorable     | 2  |
| Unfamiliar with      | 39 |
| Total Fav            | 53 |
| Total Unfav          | 8  |
| Name ID              | 61 |

**Job Approval Summary**

| How would you rate the job... |           |           |              |                |
|-------------------------------|-----------|-----------|--------------|----------------|
| Q17-Q20                       | Joe Biden | Tom Wolf  | PA State Leg | Local City Gov |
| <b>Difference</b>             | <b>-2</b> | <b>-8</b> | <b>-38</b>   | <b>-8</b>      |
| Total Excellent/Good          | 49        | 46        | 31           | 46             |
| Excellent                     | 20        | 15        | 6            | 9              |
| Good                          | 29        | 31        | 25           | 37             |
| Total Fair/Poor               | 51        | 54        | 69           | 54             |
| Fair                          | 18        | 22        | 42           | 37             |
| Poor                          | 33        | 32        | 27           | 17             |

Q17. How would you rate the job Joe Biden is doing as President?

|             |    |
|-------------|----|
| Excellent   | 20 |
| Good        | 29 |
| Fair        | 18 |
| Poor        | 33 |
| Ex/Gd       | 49 |
| Not Good/Pr | 51 |

Q18. How would you rate the job Tom Wolf is doing as Governor?

|             |    |
|-------------|----|
| Excellent   | 15 |
| Good        | 31 |
| Fair        | 22 |
| Poor        | 32 |
| Ex/Gd       | 46 |
| Not Good/Pr | 54 |



Q19. How would you rate the job the Pennsylvania State Legislature is doing?

|             |    |
|-------------|----|
| Excellent   | 6  |
| Good        | 25 |
| Fair        | 42 |
| Poor        | 27 |
| Ex/Gd       | 31 |
| Not Good/Pr | 69 |

Q20. How would you rate the job your local city government is doing?

|             |    |
|-------------|----|
| Excellent   | 9  |
| Good        | 37 |
| Fair        | 37 |
| Poor        | 17 |
| Ex/Gd       | 46 |
| Not Good/Pr | 54 |

### Sue Oil and Gas Companies Ballot Progression

| Do you... suing oil and gas companies to hold them accountable for their pollution and require them to pay for damages related to climate change? |                      |                       |                                    |                                    |                           |
|---|----------------------|-----------------------|------------------------------------|------------------------------------|---------------------------|
|   | Initial Ballot (Q21) | Informed Ballot (Q24) | After Polluter Pay Positives (Q31) | After Polluter Pay Negatives (Q36) | After Jobs Rebuttal (Q41) |
| <b>Difference</b>   | <b>+46</b>           | <b>+54</b>            | <b>+58</b>                         | <b>+42</b>                         | <b>+50</b>                |
| Total Support   | 73                   | 77                    | 79                                 | 71                                 | 75                        |
| Strongly support  | 34                   | 37                    | 46                                 | 33                                 | 40                        |
| Somewhat support  | 39                   | 41                    | 34                                 | 38                                 | 35                        |
| Total Oppose  | 27                   | 23                    | 21                                 | 29                                 | 25                        |
| Somewhat oppose   | 17                   | 15                    | 12                                 | 18                                 | 15                        |
| Strongly oppose   | 10                   | 8                     | 8                                  | 11                                 | 10                        |

### Initial Ballot

Q21. Do you support or oppose suing oil and gas companies to hold them accountable for their pollution and require them to pay for damages related to climate change?

|                  |    |
|------------------|----|
| Strongly support | 34 |
| Somewhat support | 39 |
| Somewhat oppose  | 17 |
| Strongly oppose  | 10 |
| Total Support    | 73 |
| Total Oppose     | 27 |

## Companies Should Pay Progression

| Do you think oil and gas companies should pay...?   |               |                                    |                                    |                           |
|---|---------------|------------------------------------|------------------------------------|---------------------------|
|   | Initial (Q22) | After Polluter Pay Positives (Q32) | After Polluter Pay Negatives (Q37) | After Jobs Rebuttal (Q42) |
| For <b>all of the costs</b> of protecting communities from the impacts of climate change in the United States.  | 17            | 22                                 | 19                                 | 22                        |
| For <b>most of the costs</b> of protecting communities from the impacts of climate change in the United States. | 29            | 37                                 | 35                                 | 35                        |
| For <b>some of the costs</b> of protecting communities from the impacts of climate change in the United States. | 40            | 31                                 | 35                                 | 32                        |
| For <b>none of the costs</b> of protecting communities from the impacts of climate change in the United States. | 14            | 10                                 | 11                                 | 11                        |

### Initial Pay View

Q22. Which is closest to your view about how much oil and gas companies should pay for damages related to climate change?

|   |    |
|---|----|
| For <b>all of the costs</b> of protecting communities from the impacts of climate change in the United States.  | 17 |
| For <b>most of the costs</b> of protecting communities from the impacts of climate change in the United States. | 29 |
| For <b>some of the costs</b> of protecting communities from the impacts of climate change in the United States. | 40 |
| For <b>none of the costs</b> of protecting communities from the impacts of climate change in the United States. | 14 |

### Pay Fair Share Progression

| From what you know, do you think oil and gas companies are currently paying their fair share of the costs related to the impact of climate change in the United States? |               |                                    |                                    |                           |
|---|---------------|------------------------------------|------------------------------------|---------------------------|
|   | Initial (Q23) | After Polluter Pay Positives (Q33) | After Polluter Pay Negatives (Q38) | After Jobs Rebuttal (Q43) |
| <b>Difference</b>   | <b>-38</b>    | <b>-48</b>                         | <b>-46</b>                         | <b>-46</b>                |
| <b>Yes</b> , they are currently paying their fair share of the costs.   | 31            | 26                                 | 27                                 | 27                        |
| <b>No</b> , they are not currently paying their fair share of the costs.  | 69            | 74                                 | 73                                 | 73                        |

### Initial Fair Share View

Q23. From what you know, do you think oil and gas companies are currently paying their fair share of the costs related to the impact of climate change in the United States?

|  |    |
|--|----|
| Yes, they are currently paying their fair share of the costs.    | 31 |
| No, they are not currently paying their fair share of the costs. | 69 |

**Informed Ballot**

Q24. Oil and gas companies’ executives met shortly after World War II and agreed that they should fund research into air pollution issues. By the 1960s, oil and gas companies knew that their products would be significant contributors to climate change and their own studies warned that their products would be “potentially catastrophic.” Knowing this, do you support or oppose suing oil and gas companies to hold them accountable for misleading the public about the harm their products would cause and require them to pay for damages related to climate change?

|                  |    |
|------------------|----|
| Strongly support | 37 |
| Somewhat support | 41 |
| Somewhat oppose  | 15 |
| Strongly oppose  | 8  |
| Total Support    | 77 |
| Total Oppose     | 23 |

Q25. How concerned are you about the impacts of climate change right now?

|                      |    |
|----------------------|----|
| Very concerned       | 42 |
| Somewhat concerned   | 34 |
| Not very concerned   | 16 |
| Not at all concerned | 8  |
| Total Concerned      | 76 |
| Total Not Concerned  | 24 |

Q26. How concerned are you about the impacts of climate change for the next generation?

|                      |    |
|----------------------|----|
| Very concerned       | 56 |
| Somewhat concerned   | 25 |
| Not very concerned   | 12 |
| Not at all concerned | 7  |
| Total Concerned      | 81 |
| Total Not Concerned  | 19 |

**Climate Change View – Summary**

|  |                        |                        |                        |                        |
|--|------------------------|------------------------|------------------------|------------------------|
| Below are some concerns people may have about climate change in Pennsylvania. Please rank your concerns 1 through 4 with 1 being most concerning and 4 being least concerning. |                        |                        |                        |                        |
|  | Ranked 1 <sup>st</sup> | Ranked 2 <sup>nd</sup> | Ranked 3 <sup>rd</sup> | Ranked 4 <sup>th</sup> |
| Q27; Ranked by 1 <sup>st</sup>   |                        |                        |                        |                        |
| The health of the people of Pennsylvania.  | 44                     | 24                     | 14                     | 5                      |
| The number of extreme weather events in Pennsylvania.  | 21                     | 26                     | 17                     | 24                     |
| Its impacts on the economy of Pennsylvania.  | 14                     | 28                     | 39                     | 8                      |
| Its impact on oil and gas jobs in Pennsylvania.  | 9                      | 10                     | 17                     | 51                     |
| No concerns  | 12                     | n/a                    | n/a                    | n/a                    |

Q28. Which is closer to your view about the biggest cause of climate change?

|   |    |
|---|----|
| Climate change is mostly caused by businesses and large corporations. | 63 |
| Climate change is mostly caused by individual human actions.          | 20 |
| Climate change is not caused by human activity.                       | 17 |

Q29. Which is closer to your view about climate change?

|   |    |
|---|----|
| Individuals can have a significant impact on reducing climate change by taking action in their personal lives such as purchases and transportation choices. | 60 |
| Individuals cannot make a significant impact on climate change. Large changes in government policies and society would be needed to have a real impact.     | 40 |

**You will now read some messages that supporters of suing oil and gas companies to hold them accountable for the impacts of climate change might offer. After each, please indicate if that statement makes you more or less likely to support suing oil and gas companies to pay for the impacts of climate change.**

**Polluter Pay Messages – Summary**

| Does this make you more or less likely to support suing oil and gas companies to pay for the impacts of climate change? |                          | All              |                  |
|---|--------------------------|------------------|------------------|
| Q30; Ranked by Much More Likely   |                          | Much More Likely | More/Less Likely |
| Q30_8   | Philadelphia Message*    | 47               | 83/17            |
| Q30_1   | Lied to Us               | 46               | 80/20            |
| Q30_3   | Personal Costs           | 43               | 79/21            |
| Q30_6   | Like Tobacco and Opioids | 40               | 76/24            |
| Q30_4   | Health                   | 38               | 76/24            |
| Q30_5   | Schools                  | 36               | 74/26            |
| Q30_2   | Taxpayers                | 34               | 75/25            |
| Q30_7   | Pittsburgh Message*      | 30               | 69/31            |

**Note:** Messages labeled with a specific area of the state were only asked in that area of the state

**Lied to Us**

Q30\_1. By the 1960s, oil and gas companies knew that their products would be significant contributors to climate change and their own studies warned that their products would cause “serious worldwide environmental change.” Instead of informing the public, oil and gas companies launched a multi-billion dollar, decades-long disinformation campaign to lie to the public, lawmakers, and the media about the impacts their products had on the climate. To this day, they continue to pollute.

|                      |    |
|----------------------|----|
| Much more likely     | 46 |
| Somewhat more likely | 34 |
| Somewhat less likely | 13 |
| Much less likely     | 8  |
| Total More Likely    | 80 |
| Total Less Likely    | 20 |

### Taxpayers

Q30\_2. Climate change will cost taxpayers billions of dollars to build and upgrade important infrastructure to protect our families, homes, and businesses from extreme heat and floods. As we all teach our kids, people should take responsibility for their actions, and clean up their own messes. Oil and gas companies, not everyday people, are responsible for climate change, and they should clean up the mess they have caused.

|                      |    |
|----------------------|----|
| Much more likely     | 34 |
| Somewhat more likely | 41 |
| Somewhat less likely | 15 |
| Much less likely     | 10 |
|                      |    |
| Total More Likely    | 75 |
| Total Less Likely    | 25 |

### Personal Costs

Q30\_3. Climate change is already increasing what you pay on your utility bills, insurance premiums, and in taxpayers dollars going to clean up the impacts of climate change. In 2018 alone, climate-related costs to Pennsylvania totaled at least \$261 million; that number includes the record-breaking floods and landslides that caused over \$125.7 million in infrastructure damage. Severe weather has also caused deaths, property damage and loss of livelihood. Oil and gas executives knew their products caused climate change and spent decades lying to the public. They should share in the costs of helping clean up their mess.

|                      |    |
|----------------------|----|
| Much more likely     | 43 |
| Somewhat more likely | 36 |
| Somewhat less likely | 12 |
| Much less likely     | 9  |
|                      |    |
| Total More Likely    | 79 |
| Total Less Likely    | 21 |

### Health

Q30\_4 Climate change and rising temperatures will continue to have negative impacts on the health of Pennsylvanians. Nearly a million and half adults in Pennsylvania and one-in-seven Pennsylvania children suffer from asthma. Rising temperatures will continue to make smog and ragweed pollen production worse in our state, increasing respiratory issues, especially for those with asthma.

|                      |    |
|----------------------|----|
| Much more likely     | 38 |
| Somewhat more likely | 38 |
| Somewhat less likely | 16 |
| Much less likely     | 9  |
|                      |    |
| Total More Likely    | 76 |
| Total Less Likely    | 24 |

### Schools

Q30\_5. Climate change is making Pennsylvania summers longer and hotter, with days over 85 degrees stretching well into September and many schools already closing for “heat days.” Schools throughout Pennsylvania will need to upgrade their cooling systems by installing air conditioning units. The cost to Pennsylvania taxpayers for those upgrades in the next 10 years will be over \$5.5 billion. Oil and gas companies who lied about the impacts of climate change should share in the costs of these upgrades.

|                      |    |
|----------------------|----|
| Much more likely     | 36 |
| Somewhat more likely | 38 |
| Somewhat less likely | 17 |
| Much less likely     | 10 |
|                      |    |
| Total More Likely    | 74 |
| Total Less Likely    | 26 |

### Like Tobacco and Opioids

Q30\_6. Like big tobacco and pharmaceutical companies that pushed opioids, oil and gas companies spent decades lying about the impacts of their products. Pennsylvania’s been a leader in holding tobacco companies and opioid distributors accountable for the health impacts on Pennsylvanians. We should use those same models to hold oil and gas companies responsible for the costs associated with adapting to climate change.

|                      |    |
|----------------------|----|
| Much more likely     | 40 |
| Somewhat more likely | 36 |
| Somewhat less likely | 15 |
| Much less likely     | 9  |
|                      |    |
| Total More Likely    | 76 |
| Total Less Likely    | 24 |

### Asked in Allegheny County Pittsburgh Message

Q30\_7. Pittsburgh and its surrounding area will need expensive upgrades to lessen the impacts of climate change, like more than a hundred million dollars to upgrade schools so they have air conditioning and avoid “heat days” where students are sent home. The chief operations officer for the school district said they “couldn’t sustain that on our current revenue sources” meaning it would fall on taxpayers to fund the upgrades. Instead, we should make oil and gas companies who lied about the impacts of climate change share in the costs of these upgrades.

|                      |    |
|----------------------|----|
| Much more likely     | 30 |
| Somewhat more likely | 39 |
| Somewhat less likely | 22 |
| Much less likely     | 9  |
|                      |    |
| Total More Likely    | 69 |
| Total Less Likely    | 31 |

**Asked in Philadelphia County  
Philadelphia Message**

Q30\_8. Climate change impacts Philadelphia’s underserved communities the most. Those communities are home to many of the City’s under-resourced schools who couldn’t install costly upgrades to bring air conditioning to the schools without first making more costly upgrades to the school’s electrical systems. One teacher described working routinely in a school that was at 85 degrees watching kids become more and more lethargic throughout the day and their learning suffering as a result.

|                      |    |
|----------------------|----|
| Much more likely     | 47 |
| Somewhat more likely | 37 |
| Somewhat less likely | 8  |
| Much less likely     | 8  |
| Total More Likely    | 83 |
| Total Less Likely    | 17 |

**Ballot After Positives**

Q31. Given this, do you support or oppose suing oil and gas companies to hold them accountable for their pollution and require them to pay for damages related to climate change?

|                  |    |
|------------------|----|
| Strongly support | 46 |
| Somewhat support | 34 |
| Somewhat oppose  | 12 |
| Strongly oppose  | 8  |
| Total Support    | 79 |
| Total Oppose     | 21 |

**Pay View After Positives**

Q32. Which is closest to your view about how much oil and gas companies should pay for damages related to climate change?

|   |    |
|---|----|
| For <b>all of the costs</b> of protecting communities from the impacts of climate change in the United States.  | 22 |
| For <b>most of the costs</b> of protecting communities from the impacts of climate change in the United States. | 37 |
| For <b>some of the costs</b> of protecting communities from the impacts of climate change in the United States. | 31 |
| For <b>none of the costs</b> of protecting communities from the impacts of climate change in the United States. | 10 |

**Fair Share View After Positives**

Q33. Given this, do you think oil and gas companies are currently paying their fair share of the costs related to the impact of climate change in the United States?

|  |    |
|--|----|
| Yes, they are currently paying their fair share of the costs.    | 26 |
| No, they are not currently paying their fair share of the costs. | 74 |

## Candidate Support Likelihood Summary

| After learning more, would you be more or less likely to approve of elected officials who sue oil and gas companies to hold them accountable and require them to pay for damages related to climate change? |                                    |                                    |                           |
|---|------------------------------------|------------------------------------|---------------------------|
|   | After Polluter Pay Positives (Q34) | After Polluter Pay Negatives (Q39) | After Jobs Rebuttal (Q44) |
| <b>Difference</b>   | <b>+58</b>                         | <b>+40</b>                         | <b>+48</b>                |
| Total More Likely   | 79                                 | 70                                 | 74                        |
| Much more likely  | 38                                 | 30                                 | 34                        |
| Somewhat more likely  | 41                                 | 40                                 | 40                        |
| Total Less Likely   | 21                                 | 30                                 | 26                        |
| Somewhat less likely  | 11                                 | 19                                 | 15                        |
| Much less likely  | 9                                  | 12                                 | 11                        |

### Candidate Support After Positives

Q34. After learning more, would you be more or less likely to approve of elected officials who sue oil and gas companies to hold them accountable and require them to pay for damages related to climate change?

|                      |    |
|----------------------|----|
| Much more likely     | 38 |
| Somewhat more likely | 41 |
| Somewhat less likely | 11 |
| Much less likely     | 9  |
|                      |    |
| Total More Likely    | 79 |
| Total Less Likely    | 21 |

*You will now read some messages that opponents of suing oil and gas companies to hold them accountable for the impacts of climate change might offer. After each, please indicate if that statement makes you more or less likely to support suing oil and gas companies to pay for the impacts of climate change.*

### Polluter Pay Negative Messages – Summary

| Does this make you more or less likely to support suing oil and gas companies to pay for the impacts of climate change? |              |                  |                  |
|---|--------------|------------------|------------------|
|   |              | All              |                  |
|   |              | Much Less Likely | More/Less Likely |
| Q35; Ranked by Much Less Likely   |              |                  |                  |
| Q35_3   | Partisan     | 19               | 53/47            |
| Q35_1   | Lawyers      | 18               | 48/52            |
| Q35_4   | Energy Costs | 18               | 52/48            |
| Q35_5   | Jobs         | 17               | 51/49            |
| Q35_2   | Leg Issue    | 14               | 60/40            |



### Lawyers

Q35\_1. Suing oil and gas companies will make out of state lawyers rich while doing little to help cities and the state lessen the impacts of climate change.

|                      |    |
|----------------------|----|
| Much more likely     | 19 |
| Somewhat more likely | 30 |
| Somewhat less likely | 33 |
| Much less likely     | 18 |
|                      |    |
| Total More Likely    | 48 |
| Total Less Likely    | 52 |

### Leg Issue

Q35\_2. Climate change is a legislative issue and should be dealt with by our state legislature and the Federal government. It is not a legal one and we shouldn't allow it to become one.

|                      |    |
|----------------------|----|
| Much more likely     | 24 |
| Somewhat more likely | 36 |
| Somewhat less likely | 25 |
| Much less likely     | 14 |
|                      |    |
| Total More Likely    | 60 |
| Total Less Likely    | 40 |

### Partisan

Q35\_3. Suing oil and gas companies is the dream of the radical far left in this country who push the "Green New Deal" to put oil companies out of business and the Americans they employ out of work.

|                      |    |
|----------------------|----|
| Much more likely     | 24 |
| Somewhat more likely | 29 |
| Somewhat less likely | 28 |
| Much less likely     | 19 |
|                      |    |
| Total More Likely    | 53 |
| Total Less Likely    | 47 |

### Energy Costs

Q35\_4. If oil and gas companies are sued and held accountable for climate change, they will pass on the cost to customers in the form of increased fees on their energy bills and higher prices at the gas pump.

|                      |    |
|----------------------|----|
| Much more likely     | 22 |
| Somewhat more likely | 30 |
| Somewhat less likely | 30 |
| Much less likely     | 18 |
|                      |    |
| Total More Likely    | 52 |
| Total Less Likely    | 48 |

## Jobs

Q35\_5. Suing oil and gas companies to hold them accountable for the impacts of climate change threatens the jobs of tens of thousands of oil and gas workers in Pennsylvania and hundreds of thousands of jobs in the state that are supported by the natural gas and oil industries. We can't afford to lose those good paying jobs with benefits especially at a time when our economy is already struggling due to Covid-19.

|                      |    |
|----------------------|----|
| Much more likely     | 22 |
| Somewhat more likely | 28 |
| Somewhat less likely | 32 |
| Much less likely     | 17 |
| Total More Likely    | 51 |
| Total Less Likely    | 49 |

## Ballot After Negatives

Q36. Given this, do you support or oppose suing oil and gas companies to hold them accountable for their pollution and require them to pay for damages related to climate change?

|                  |    |
|------------------|----|
| Strongly support | 33 |
| Somewhat support | 38 |
| Somewhat oppose  | 18 |
| Strongly oppose  | 11 |
| Total Support    | 71 |
| Total Oppose     | 29 |

## Pay View After Negatives

Q37. Which is closest to your view about how much oil and gas companies should pay for damages related to climate change?

|   |    |
|---|----|
| For <b>all of the costs</b> of protecting communities from the impacts of climate change in the United States.  | 19 |
| For <b>most of the costs</b> of protecting communities from the impacts of climate change in the United States. | 35 |
| For <b>some of the costs</b> of protecting communities from the impacts of climate change in the United States. | 35 |
| For <b>none of the costs</b> of protecting communities from the impacts of climate change in the United States. | 11 |

## Fair Share View After Negatives

Q38. Given this, do you think oil and gas companies are currently paying their fair share of the costs related to the impact of climate change in the United States?

|  |    |
|--|----|
| Yes, they are currently paying their fair share of the costs.    | 27 |
| No, they are not currently paying their fair share of the costs. | 73 |

### Candidate Support After Negatives

Q39. After learning more, would you be more or less likely to approve of elected officials who sue oil and gas companies to hold them accountable and require them to pay for damages related to climate change?

|                      |    |
|----------------------|----|
| Much more likely     | 30 |
| Somewhat more likely | 40 |
| Somewhat less likely | 19 |
| Much less likely     | 12 |
|                      |    |
| Total More Likely    | 70 |
| Total Less Likely    | 30 |

*You will now read a message that supporters of suing oil and gas companies to hold them accountable for the impacts of climate change might offer in response to the message about its impact on jobs in Pennsylvania. After you read it, please indicate if that statement makes you more or less likely to support suing oil and gas companies to pay for the impacts of climate change.*

### Jobs Rebuttal

Q40. Oil and gas companies lied about fracking being good for communities in Pennsylvania the same way they lied to us about how oil and gas companies contribute to climate change. The only thing these companies care about is their profits – as soon as their profits are threatened, they pull out of communities, destroying them and livelihoods of many Pennsylvanians.

|                      |    |
|----------------------|----|
| Much more likely     | 41 |
| Somewhat more likely | 33 |
| Somewhat less likely | 16 |
| Much less likely     | 10 |
|                      |    |
| Total More Likely    | 73 |
| Total Less Likely    | 27 |

### Ballot After Jobs Rebuttal

Q41. Given this, do you support or oppose suing oil and gas companies to hold them accountable for their pollution and require them to pay for damages related to climate change?

|                  |    |
|------------------|----|
| Strongly support | 40 |
| Somewhat support | 35 |
| Somewhat oppose  | 15 |
| Strongly oppose  | 10 |
|                  |    |
| Total Support    | 75 |
| Total Oppose     | 25 |

### Pay View After Jobs Rebuttal

Q42. Which is closest to your view about how much oil and gas companies should pay for damages related to climate change?

|   |    |
|---|----|
| For <b>all of the costs</b> of protecting communities from the impacts of climate change in the United States.  | 22 |
| For <b>most of the costs</b> of protecting communities from the impacts of climate change in the United States. | 35 |
| For <b>some of the costs</b> of protecting communities from the impacts of climate change in the United States. | 32 |
| For <b>none of the costs</b> of protecting communities from the impacts of climate change in the United States. | 11 |

### Fair Share View After Jobs Rebuttal

Q43. Given this, do you think oil and gas companies are currently paying their fair share of the costs related to the impact of climate change in the United States?

|  |    |
|--|----|
| Yes, they are currently paying their fair share of the costs.    | 27 |
| No, they are not currently paying their fair share of the costs. | 73 |

### Candidate Support After Jobs Rebuttal

Q44. After learning more, would you be more or less likely to approve of elected officials who sue oil and gas companies to hold them accountable and require them to pay for damages related to climate change?

|                      |    |
|----------------------|----|
| Much more likely     | 34 |
| Somewhat more likely | 40 |
| Somewhat less likely | 15 |
| Much less likely     | 11 |
|                      |    |
| Total More Likely    | 74 |
| Total Less Likely    | 26 |

***We're almost finished. These remaining questions are for statistical purposes only.***

Q45. Do you generally consider yourself...?

|                       |    |
|-----------------------|----|
| Very liberal          | 12 |
| Somewhat liberal      | 16 |
| Moderate              | 38 |
| Somewhat conservative | 22 |
| Very conservative     | 12 |
|                       |    |
| Total Lib             | 28 |
| Total Cons            | 34 |

Q46. Do you generally consider yourself progressive?

|     |    |
|-----|----|
| Yes | 52 |
| No  | 48 |

Q47. For statistical purposes only, we need to know your total family income for 2020. Will you please indicate which of the following categories best represents your total family income?

|                               |    |
|-------------------------------|----|
| Less than \$20,000            | 9  |
| \$20,000- less than \$35,000  | 15 |
| \$35,000-less than \$60,000   | 25 |
| \$60,000-less than \$100,000  | 22 |
| \$100,000-less than \$125,000 | 10 |
| \$125,000 or more             | 15 |
| Prefer not to answer          | 3  |
| <60k                          | 50 |
| \$60k+                        | 47 |

Q48. Which best describes where you live?

|  |    |
|--|----|
| A major city or urban area               | 22 |
| A suburb just outside a city             | 53 |
| Rural area that is not near a major city | 25 |

Q51. Are you, or is anyone in your household a member of a labor union or a retired union member?

|   |    |
|---|----|
| Yes - you   | 12 |
| Yes - someone else in your household              | 7  |
| Yes - both you and someone else in your household | 3  |
| No  | 77 |
| Not sure  | 2  |

Q52. Is that a union member or a retired union member?

|                      |    |
|----------------------|----|
| Union member         | 48 |
| Retired union member | 48 |
| Not sure             | 4  |

Region

|         |    |
|---------|----|
| Central | 13 |
| East    | 49 |
| Philly  | 11 |
| West    | 27 |