

2019 Rethink Energy NJ Energy Survey



October 2019

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I. Executive Summary

About this study

The Fairleigh Dickinson University Poll (FDU) conducted a telephone survey of randomly selected registered voters in New Jersey on behalf of ReThink Energy NJ. The study's main objective was to measure the awareness of, and attitudes toward, various energy sources. In addition, the study measured awareness and perceptions of natural gas pipelines proposed to run within the state.

FDU utilized a Random Digit Dialing (RDD) telephone method based on a registered voter sample list to complete a total of 808 telephone surveys with New Jersey registered voters. The RDD sampling was employed to ensure a valid random sampling of registered voters across the state. To approximate the current make-up of cell phones in the state, DUS completed 46% of the surveys with cell phone participants, and 54% via landline phones. Once all surveys were completed, the data were mathematically weighted to match the known demographics of age, gender and race of New Jersey's registered voters.

With a randomly selected sample of 808 registered voters in New Jersey, one can be 95 percent confident that the margin of error (MoE) is +/- 3.5 percentage points. The margin of error for subgroups is larger and varies by the size of that subgroup.

All surveys were completed between September 26th and October 2nd, 2019 and averaged just over 11 minutes in length. The results are summarized below.

In general, registered voters in this study are very supportive of renewable energy initiatives, and support the state moving forward towards 100 percent energy from clean sources by 2050. As a general statement, across the issues, women, younger respondents, as well as self-identified Democrats are more supportive than their respective cohorts, although support for renewable energy was strong among all demographic groups. These demographic differences are consistent with the general trend in public opinion on environmental issues.

Overall, more believe solar (45%) is the most important energy source to New Jersey's future. This was true across all demographics. Natural gas was the second most frequently cited source at 26 percent. This is virtually unchanged from last year's study.

Overall nearly 9 in 10 (87%) believe renewable energy is very or somewhat important to the overall health of New Jersey, unchanged from 85 percent last year.



Residents consider solar (82%) and wind (77%) to be clean sources of energy, up from 76 percent and 68 percent, respectively, from the previous study. However, less than half of voters consider natural gas (40%) and nuclear energy (26%) to be clean energy sources. Less than 1 in 10 believe oil (9%) or coal (6%) are clean.

Two-thirds (65%) are willing to pay more (\$10 or \$15 per month) on their energy bills if their energy is generated from solar or wind, with no difference between the two price points (65% vs. 65%). This is unchanged from 66 percent in the last study.

About half (49%) say a candidate's support for moving to renewable energy would make them more likely to vote for that candidate, unchanged from 2018. Democrats (74%) are more likely than either Republicans (22%) or Independents (25%) to be more likely to vote for a candidate. Overall, 35 percent say it would have no impact on how they voted, with a slight majority of both Republicans (52%) and Independents (51%) saying it would not sway their voting.

The majority (75%) believe the state should invest more in developing clean energy sources such as wind and solar rather than fossil fuels and pipelines (17%). The remaining 8 percent are unsure. Most (56%) say the state is moving too slowly on developing and adopting clean energy sources, while 25 percent say the pace is just right, both unchanged from the last study. Similarly, 55 percent say the state is moving too slowly on reducing emissions that cause global warming.

Overall, 3 in 4 (79%) favor New Jersey's goal of achieving 100% of its energy coming from renewable sources by 2050. Sixteen percent oppose this goal. Most (76%) believe New Jersey should ignore Washington's lead, and should set its own course on investing in clean renewable energy sources. Only 18 percent believe New Jersey should follow Washington's lead.

Three in five (58%) disagree with the federal government's move for greater development of oil and gas, while only 34 percent agree.

Three in four (74%) are very or somewhat concerned with climate change, unchanged from 2018 and most (59%) believe climate change is driven by human activity. However, this is down from 65 percent in the last study. Thirty-four percent say it is mostly due to natural patterns, up from 27 percent.

Four in five (80%) favor New Jersey's recent approval to develop wind energy off the coast of New Jersey.



A majority (70%) expressed some concern with proposed pipelines in general. However, when asked about specific potential risks linked to pipeline development in the state, the numbers climbed. Respondents are “very” or “somewhat concerned” with each of the following. In general these numbers are up from our last study.

| | |
|---|-----|
| The impact to natural areas and wildlife habitats | 85% |
| The seizure of private property for private companies | 83% |
| The risks to air and water quality | 81% |
| The use of protected natural areas such as the Pine Barrens for the construction of pipelines | 81% |
| The use of taxpayers preserved open spaces | 80% |
| Greenhouse gas emissions that contribute to climate change | 78% |
| The safety risks associated with ruptures, leaks, or explosions | 78% |

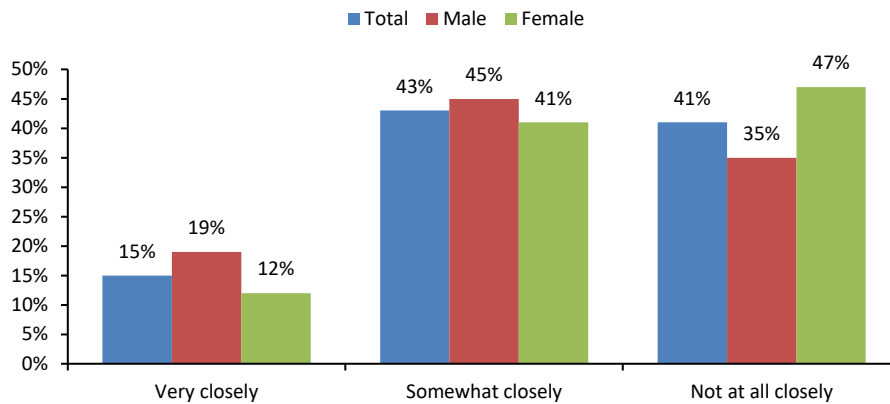
Nearly three-quarters (72%) say the number of jobs created through pipelines are not worth the environmental and health risks, and that we should instead create jobs through clean, renewable energy projects, while 24 percent say building pipelines will create many much-needed construction jobs that will benefit New Jersey workers and families. More this year (72%) than last year (67%) say the jobs are not worth the risk.

II. Detailed Results –

1. First, how closely do you follow news about the various ways that people in NJ power their homes and businesses?

Overall, nearly 3 in 5 (58%) report they have at least somewhat closely followed the news about energy sources. Men (19%) are more likely than women (12%) to say they followed it very closely. Those aged 18 to 34 are less likely than their older cohorts to not follow it closely at all (51%).

Chart 1



| | Region ¹ | | | | | | Age | | |
|---------------------------|---------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very closely | 15% | 8% | 20% | 14% | 14% | 14% | 15% | 15% | 16% |
| Somewhat closely | 40% | 41% | 42% | 41% | 46% | 47% | 34% | 41% | 51% |
| Not at all closely | 45% | 49% | 38% | 45% | 39% | 39% | 51% | 43% | 33% |

| | Party ID | | |
|---------------------------|------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 418 | 165 | 201 |
| Very closely | 15% | 12% | 19% |
| Somewhat closely | 43% | 38% | 46% |
| Not at all closely | 42% | 49% | 35% |

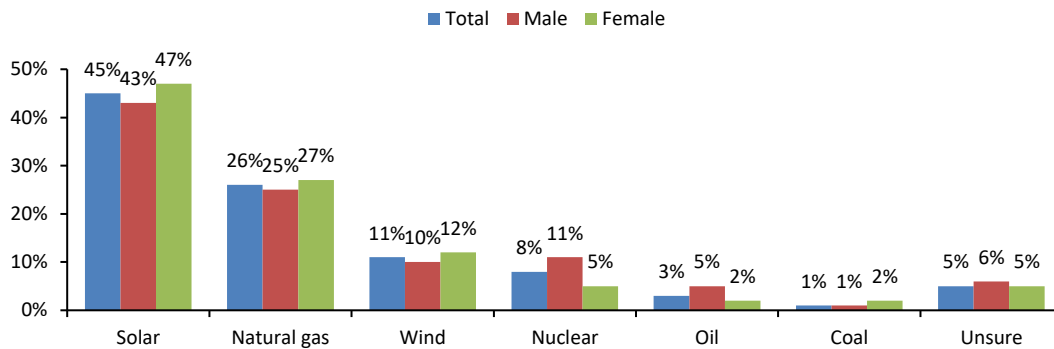
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



2. Which source do you think is most important to New Jersey's energy future?

A plurality (45%) say solar is the most important source of New Jersey's energy future. This holds true across virtually all measured demographics. Republicans are the exception and view natural gas (36%) as the most important. Those from PennEast (59%) are more likely than those from the Coast (38%) to say solar, while those from the Coast (35%) are more likely than those from PennEast (14%) to say natural gas. Overall, natural gas (26%) ranks second, while wind (11%) is the third most cited source. More men (11%) than women (5%) selected nuclear as most important.

Chart 2



| | Region | | | | | | Age | | |
|--------------------|-----------|-----------|------------|----------|-------|-------|-------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Solar | 39% | 48% | 45% | 59% | 49% | 38% | 51% | 47% | 39% |
| Natural gas | 29% | 26% | 24% | 14% | 22% | 35% | 20% | 23% | 34% |
| Wind | 8% | 10% | 11% | 10% | 9% | 14% | 10% | 11% | 10% |
| Nuclear | 9% | 9% | 8% | 14% | 7% | 6% | 12% | 6% | 8% |
| Oil | 2% | 3% | 6% | 1% | 3% | 1% | 1% | 6% | 2% |
| Coal | 1% | 1% | 0% | 0% | 4% | 0% | 2% | 1% | 1% |
| Unsure | 11% | 3% | 4% | 0% | 4% | 6% | 4% | 5% | 7% |

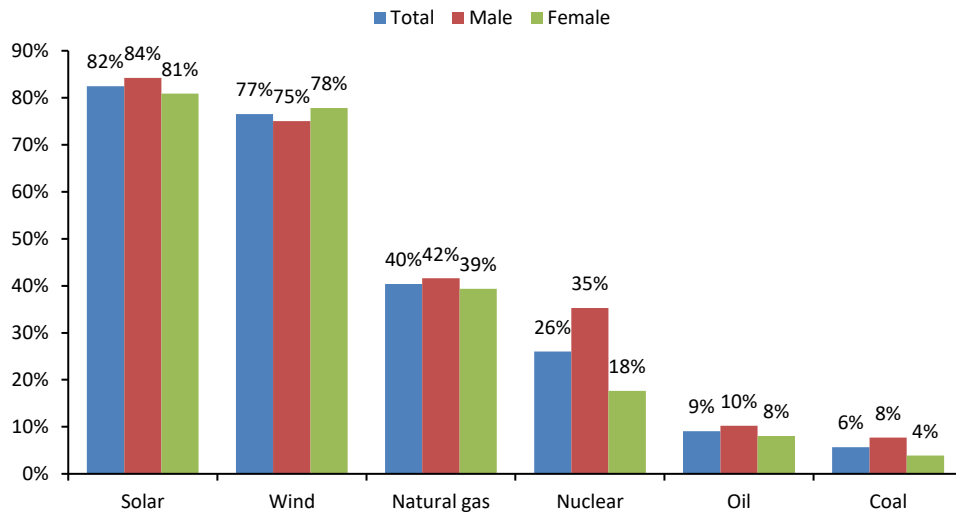
| | Party ID | | |
|--------------------|------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Solar | 55% | 45% | 28% |
| Natural gas | 22% | 25% | 36% |
| Wind | 15% | 9% | 6% |
| Nuclear | 3% | 10% | 16% |
| Oil | 1% | 5% | 4% |
| Coal | 1% | 0% | 3% |
| Unsure | 3% | 6% | 6% |



3. Which of the following do you believe are considered Clean energy sources?

The majority believe solar (82%) and wind (77%) are clean energy sources. About 2 in 5 (40%) say natural gas is, while a quarter (26%) believe nuclear is. Fewer say oil (9%) or coal (5%) is clean.

Chart 3



| | Region ¹ | | | | | | Age | | |
|--------------------|---------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Solar | 86% | 77% | 85% | 89% | 76% | 84% | 83% | 86% | 77% |
| Wind | 73% | 77% | 77% | 79% | 72% | 82% | 77% | 81% | 71% |
| Natural gas | 42% | 42% | 40% | 29% | 33% | 49% | 29% | 38% | 51% |
| Nuclear | 31% | 19% | 33% | 29% | 15% | 26% | 27% | 23% | 28% |
| Oil | 9% | 6% | 12% | 5% | 10% | 8% | 9% | 9% | 9% |
| Coal | 11% | 6% | 7% | 0% | 2% | 4% | 5% | 6% | 5% |

| | Party ID | | |
|--------------------|------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 418 | 165 | 201 |
| Solar | 88% | 77% | 76% |
| Wind | 82% | 77% | 69% |
| Natural gas | 31% | 44% | 56% |
| Nuclear | 24% | 23% | 34% |
| Oil | 4% | 18% | 12% |
| Coal | 2% | 9% | 9% |

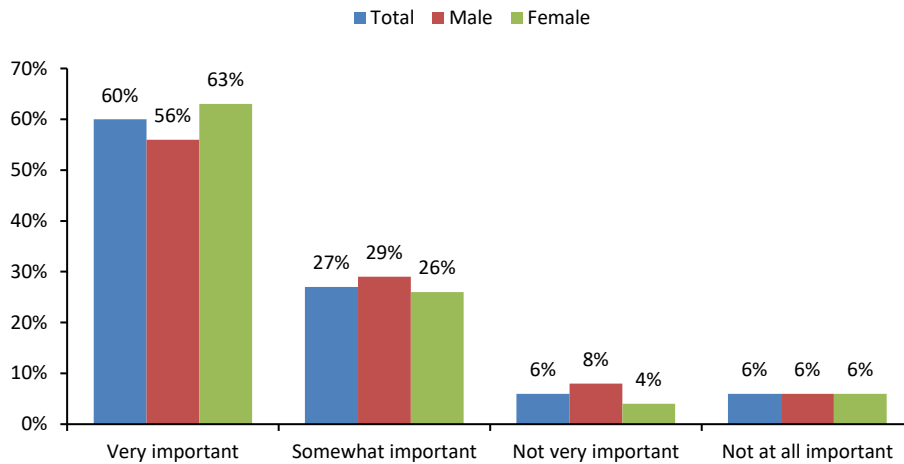
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
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PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



4. How important, if at all, do you believe investing in renewable energy sources, like wind and solar, is to the overall health of the state of New Jersey?

Overall, 87 percent believe investing in renewable energy is very or somewhat important. More aged 18-34 (94%) than their cohorts believe it is at least somewhat important. More living in the Urban Core (91%) than the Northeast (84%), and more Democrats (94%) than Republicans (77%) or Independents (84%) believe it to be important.

Chart 4



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very important | 56% | 54% | 66% | 65% | 64% | 52% | 63% | 62% | 56% |
| Somewhat important | 29% | 30% | 25% | 21% | 25% | 33% | 31% | 26% | 28% |
| Not very important | 9% | 9% | 4% | 3% | 2% | 7% | 3% | 7% | 7% |
| Not at all important | 6% | 6% | 4% | 6% | 7% | 8% | 4% | 5% | 8% |

| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Very important | 75% | 57% | 38% |
| Somewhat important | 19% | 28% | 39% |
| Not very important | 2% | 8% | 10% |
| Not at all important | 4% | 5% | 13% |

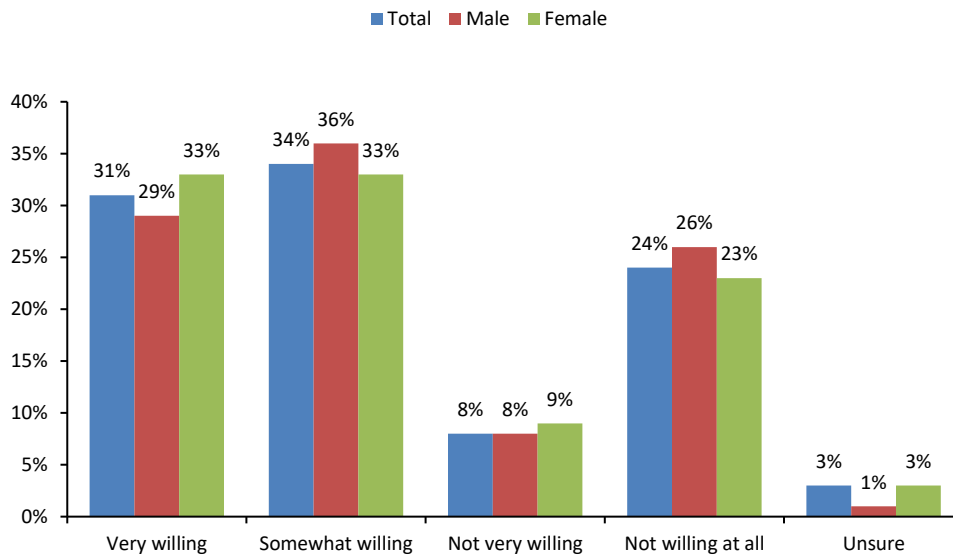
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Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



5. How willing would you be to pay \$10 per month/\$15 per month more (SPLIT SAMPLE) over the next five years on your energy bills to have your energy generated from solar or wind energy, if you knew that doing so would help to reduce harmful emissions?

Overall, two-thirds (65%) say they would be at least somewhat likely to pay more each month for their energy bills if it helped reduce emissions. Those 60 years and older (57%) are less likely than their cohorts to be willing to pay more, while democrats (76%) are more likely than republicans (55%) or independents (58%) to be likely to pay more. In a split sample, no differences exist across those who were willing to pay \$10 (65%) more per month versus those who were presented with a \$15 per month increase (65%).

Chart 5



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|---------------------------|---------------------------|-----------|------------|----------|-------|-------|------------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very willing | 32% | 23% | 33% | 41% | 31% | 29% | 33% | 35% | 24% |
| Somewhat willing | 32% | 36% | 36% | 27% | 31% | 35% | 37% | 34% | 33% |
| Not very willing | 6% | 7% | 7% | 5% | 12% | 11% | 9% | 7% | 10% |
| Not willing at all | 28% | 29% | 21% | 26% | 23% | 24% | 21% | 22% | 29% |
| Unsure | 1% | 3% | 1% | 1% | 2% | 1% | 0% | 1% | 3% |

| | <i>Party ID</i> | | |
|---------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 316 | 304 | 141 |
| Very willing | 43% | 26% | 16% |
| Somewhat willing | 33% | 33% | 39% |
| Not very willing | 5% | 11% | 11% |
| Not willing at all | 17% | 28% | 33% |
| Unsure | 1% | 2% | 0% |

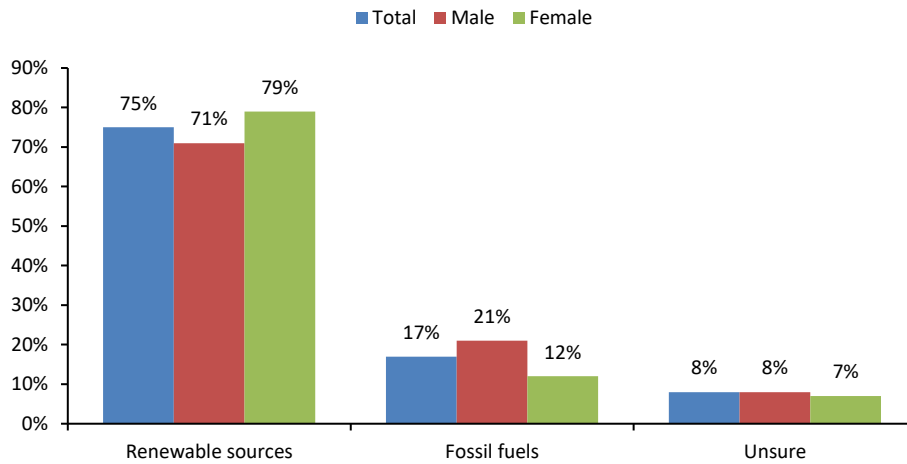
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Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



6. In order to meet New Jersey's energy needs, do you believe the state should invest more in renewable energy sources, like wind and solar, or more in fossil fuels, like oil and natural gas, through the construction of additional pipelines?

Overall, 3 in 4 (75%) believe the state should invest more in renewable energy sources than in fossil fuels. While differences are seen across most measured demographics, in all cases renewable energy is the overwhelmingly favored choice.

Chart 6



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|--------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Renewable sources | 71% | 71% | 79% | 81% | 78% | 72% | 84% | 75% | 70% |
| Fossil fuels | 18% | 21% | 16% | 7% | 14% | 19% | 13% | 16% | 21% |
| Unsure | 11% | 7% | 4% | 9% | 8% | 8% | 2% | 8% | 9% |

| | <i>Party ID</i> | | |
|--------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Renewable sources | 88% | 76% | 52% |
| Fossil fuels | 7% | 14% | 39% |
| Unsure | 3% | 8% | 10% |

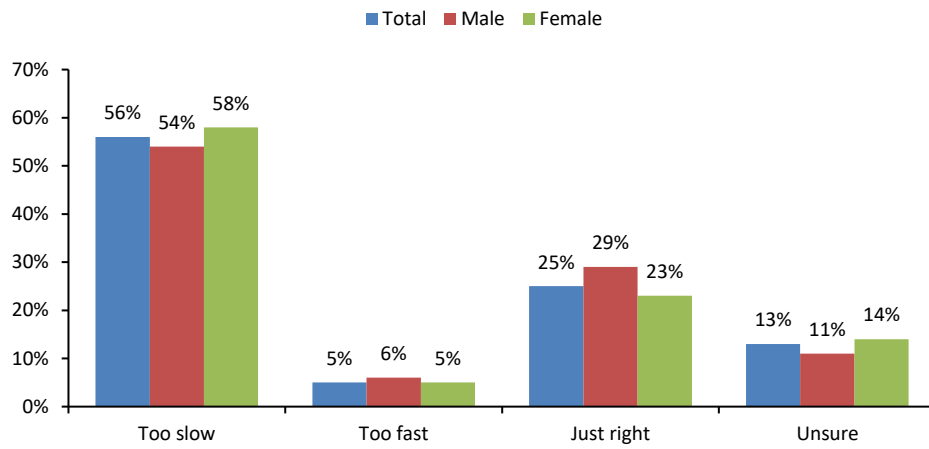
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Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



7. How do you rate the pace at which our state is developing and adopting renewable energy alternatives?

About 3 in 5 (56%) say New Jersey is moving too slowly in its efforts toward developing clean energy alternatives. A quarter (25%) believe the state is moving at the correct pace. More Democrats (67%) than Republicans (45%) or Independents (51%) say NJ is moving too slowly. Overall, more than 1 in 10 (13%) are unsure.

Chart 7



| | Region ¹ | | | | | | Age | | |
|-------------------|---------------------|-----------|------------|----------|-------|-------|-------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Too slow | 53% | 60% | 57% | 61% | 57% | 53% | 59% | 58% | 53% |
| Too fast | 5% | 6% | 6% | 4% | 4% | 6% | 5% | 3% | 8% |
| Just right | 29% | 19% | 28% | 20% | 27% | 25% | 26% | 27% | 22% |
| Unsure | 13% | 15% | 9% | 15% | 13% | 16% | 9% | 12% | 16% |

| | Party ID | | |
|-------------------|----------|-----|-----|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Too slow | 67% | 51% | 45% |
| Too fast | 5% | 4% | 7% |
| Just right | 20% | 26% | 35% |
| Unsure | 7% | 19% | 14% |

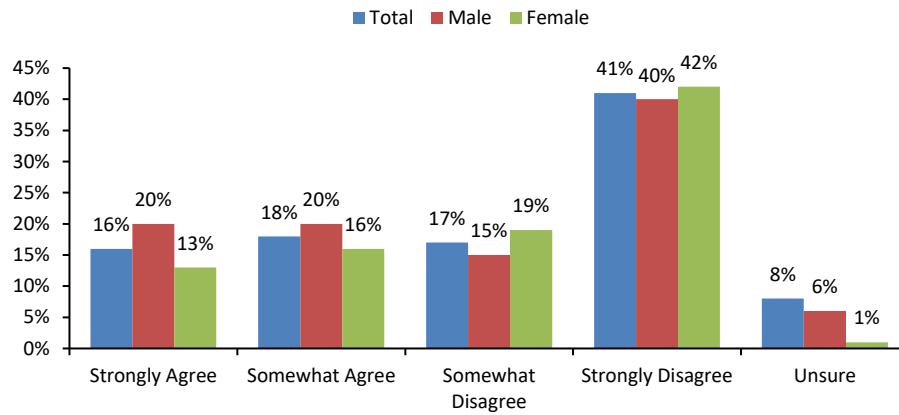
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Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



8. The federal government has recently been pushing for greater fossil fuel development, like oil and gas. Do you agree or disagree [rotate] with this energy policy?

Three in 5 (58%) disagree with the federal government’s strategy for more oil and gas development. Men (40%) are more likely than women (29%) agree with the policy. Only 17 percent from the PennEast region agree with the development of fossil fuel. Fewer Democrats (20%) than Republicans (59%) or Independents (34%) agree with the policy

Chart 8



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|--------------------------|---------------------------|-----------|------------|----------|-------|-------|------------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Strongly Agree | 22% | 18% | 16% | 7% | 18% | 13% | 14% | 17% | 18% |
| Somewhat Agree | 17% | 21% | 17% | 10% | 14% | 23% | 18% | 17% | 19% |
| Somewhat Disagree | 17% | 17% | 18% | 17% | 17% | 15% | 17% | 19% | 15% |
| Strongly Disagree | 38% | 34% | 43% | 49% | 42% | 42% | 45% | 40% | 39% |
| Unsure | 5% | 10% | 7% | 18% | 10% | 7% | 6% | 9% | 9% |

| | <i>Party ID</i> | | |
|--------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 316 | 304 | 141 |
| Strongly Agree | 7% | 17% | 33% |
| Somewhat Agree | 13% | 17% | 26% |
| Somewhat Disagree | 18% | 17% | 15% |
| Strongly Disagree | 59% | 38% | 15% |
| Unsure | 4% | 11% | 11% |

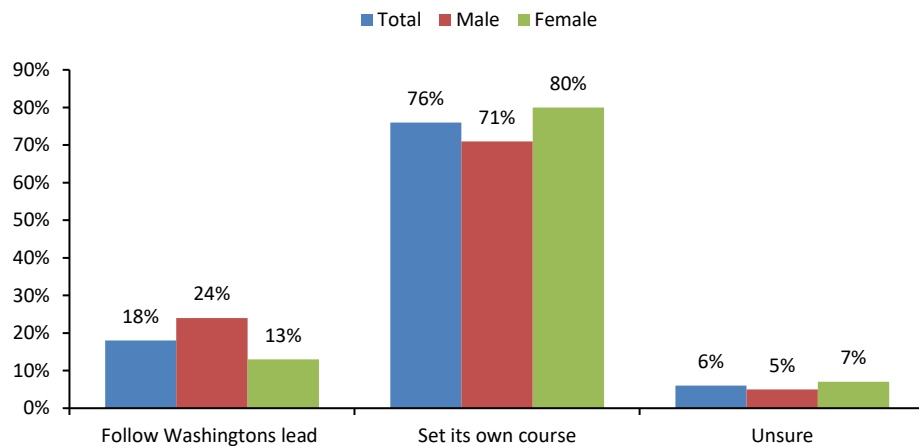
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9. Given the emphasis in Washington on more fossil fuels, would you say New Jersey should ...Follow Washington’s lead and invest more in oil and natural gas projects OR Set its own course, and invest more in clean, renewable energy sources?

More than 3 in 4 (76%) say New Jersey should not follow Washington’s lead, but should rather set its own course in investing more in clean energy. More women (80%) than men (71%) say believe NJ should set its own course. Those in the 18-34 age bracket (81%) are more likely than those aged 60+ (68%) to say NJ should set its own course. Similarly, more Democrats (91%) than Republicans (47%) or Independents (75%) say NJ should invest more in clean energy sources. Republicans are virtually split on the issue (47% vs. 44%).

Chart 9



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|--------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Follow Washington | 70% | 74% | 83% | 78% | 72% | 70% | 81% | 79% | 68% |
| Set Own Course | 23% | 21% | 13% | 7% | 22% | 22% | 15% | 16% | 23% |
| Unsure | 7% | 5% | 4% | 15% | 6% | 8% | 5% | 5% | 9% |

| | <i>Party ID</i> | | |
|--------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Follow Washington | 91% | 75% | 47% |
| Set Own Course | 7% | 18% | 44% |
| Unsure | 2% | 7% | 9% |

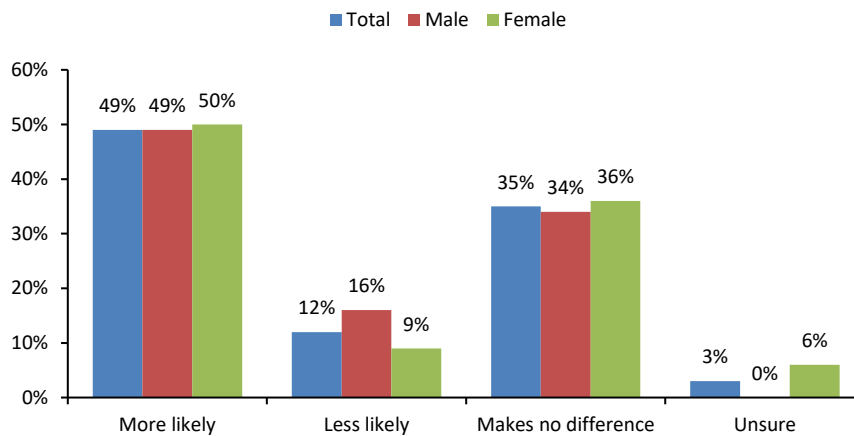
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Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



10. Does a political candidate's support for moving from fossil fuels to renewable energy like solar or wind make you [Rotate more or less likely] more likely or less likely to vote for them, or does their support for renewable energy make no difference to you

About half (49%) say they would be more likely to vote for a candidate who supported moving from fossil fuels to renewable energy. Thirty-five percent say it would have no impact, while 12 percent say it would make them less likely to vote for a candidate. More Democrats (72%) than Republicans (21%) or Independents (43%) say they would be more likely to vote for a candidate. A majority of Republicans (51%) say it would have no impact on their voting preference.

Chart 10



| | Region ¹ | | | | | | Age | | |
|----------------------------|---------------------|-----------|------------|----------|-------|-------|-------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| More likely | 41% | 46% | 58% | 55% | 50% | 41% | 56% | 50% | 43% |
| Less likely | 18% | 11% | 10% | 9% | 10% | 15% | 11% | 10% | 16% |
| Makes no difference | 41% | 37% | 28% | 29% | 40% | 40% | 33% | 37% | 35% |
| Unsure | 0% | 7% | 5% | 7% | 0% | 4% | 0% | 3% | 6% |

| | Party ID | | |
|----------------------------|----------|-----|-----|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| More likely | 72% | 43% | 21% |
| Less likely | 6% | 12% | 26% |
| Makes no difference | 20% | 41% | 51% |
| Unsure | 2% | 4% | 2% |

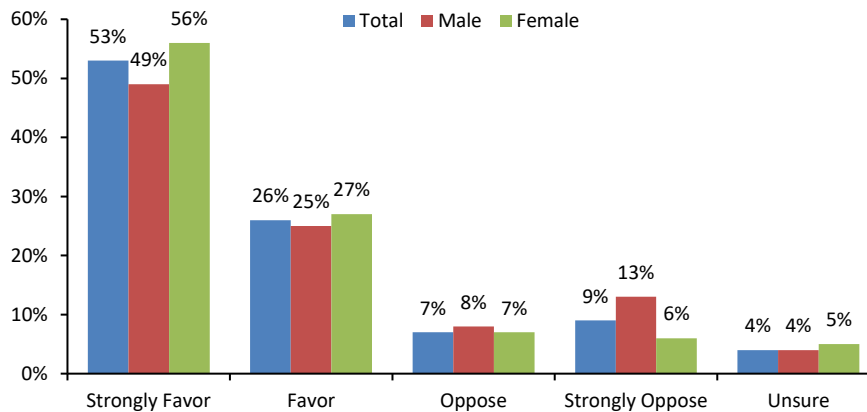
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South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



11. Do you favor or oppose New Jersey's goal of achieving 100% clean energy by 2050?

Four in five (79%) favor New Jersey’s recently set goal of having 100 percent of its energy come from clean energy sources by 2050. Women (83%) are more likely than men (74%) to favor this goal. Those aged 60+ (71%) and Republicans (61%) are the less likely to favor this goal than their cohorts.

Chart 11



| | Region ¹ | | | | | | Age | | |
|------------------------|---------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Strongly Favor | 44% | 45% | 58% | 57% | 57% | 52% | 60% | 53% | 48% |
| Favor | 32% | 32% | 21% | 26% | 22% | 29% | 27% | 28% | 23% |
| Oppose | 7% | 8% | 9% | 11% | 6% | 4% | 4% | 7% | 10% |
| Strongly Oppose | 9% | 9% | 8% | 5% | 12% | 11% | 8% | 9% | 10% |
| Unsure | 8% | 6% | 4% | 2% | 4% | 3% | 1% | 2% | 9% |

| | Party ID | | |
|------------------------|------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Strongly Favor | 69% | 50% | 27% |
| Favor | 21% | 25% | 34% |
| Oppose | 3% | 11% | 9% |
| Strongly Oppose | 4% | 10% | 22% |
| Unsure | 3% | 5% | 8% |

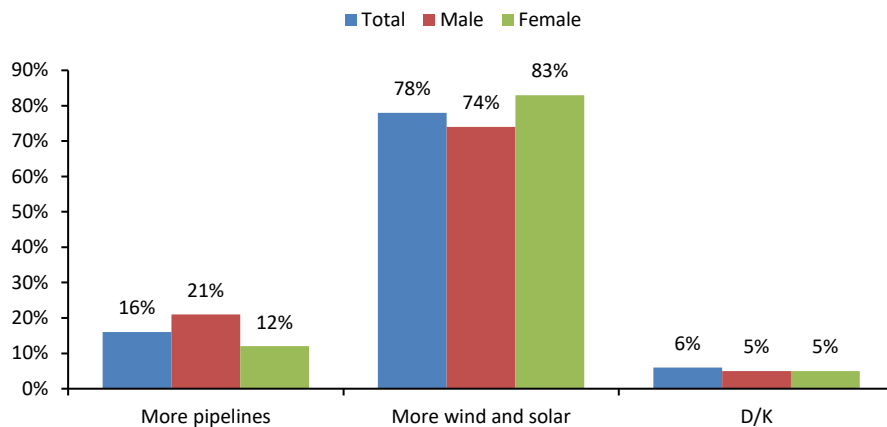
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



12. To achieve New Jersey's goal of 100% clean energy by 2050, do you think we should build more gas pipelines in New Jersey or develop more wind and solar energy sources??

Nearly 4 in 5 (78%) say New Jersey should build more wind and solar energy sources to achieve its goal of 100 percent clean energy by 2050. Women (83%), those aged 18-34 (88%) and Democrats (92%) are more likely than their cohorts to say wind and solar is the answer.

Chart 12



| | Region ¹ | | | | | | Age | | |
|------------------------------|---------------------|-----------|------------|----------|-------|-------|-------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| More Pipelines | 25% | 21% | 13% | 10% | 10% | 20% | 10% | 14% | 23% |
| More Wind & Solar | 70% | 73% | 84% | 83% | 84% | 71% | 88% | 82% | 68% |
| Unsure | 5% | 6% | 3% | 7% | 5% | 9% | 2% | 3% | 8% |

| | Party ID | | |
|------------------------------|----------|-----|-----|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| More Pipelines | 5% | 15% | 41% |
| More Wind & Solar | 92% | 78% | 53% |
| Unsure | 3% | 6% | 5% |

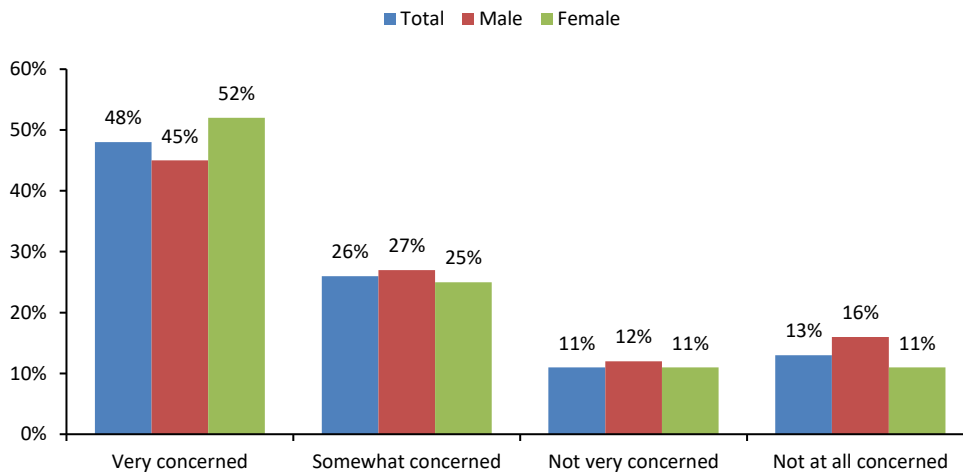
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



13. How would you describe your feelings toward the effects of climate change in New Jersey?

Overall, three quarters (74%) are very or somewhat concerned with climate change in New Jersey. While the concerns are high across all demographic groups, the differences remain consistent between Democrats (89%) versus Independents (72%) and Republicans (48%). Those aged 18-34 (82%) and those in the PennEast (89%) are more likely than most of their cohorts to be concerned.

Chart 13



| | Region ¹ | | | | | | Age | | |
|-----------------------------|---------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very concerned | 51% | 42% | 50% | 61% | 46% | 48% | 56% | 45% | 47% |
| Somewhat concerned | 21% | 33% | 28% | 28% | 23% | 23% | 26% | 28% | 24% |
| Not very concerned | 8% | 13% | 12% | 6% | 11% | 12% | 8% | 12% | 13% |
| Not at all concerned | 18% | 10% | 9% | 5% | 20% | 16% | 10% | 14% | 15% |

| | Party ID | | |
|-----------------------------|------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Very concerned | 69% | 41% | 15% |
| Somewhat concerned | 20% | 31% | 32% |
| Not very concerned | 6% | 13% | 20% |
| Not at all concerned | 5% | 14% | 32% |

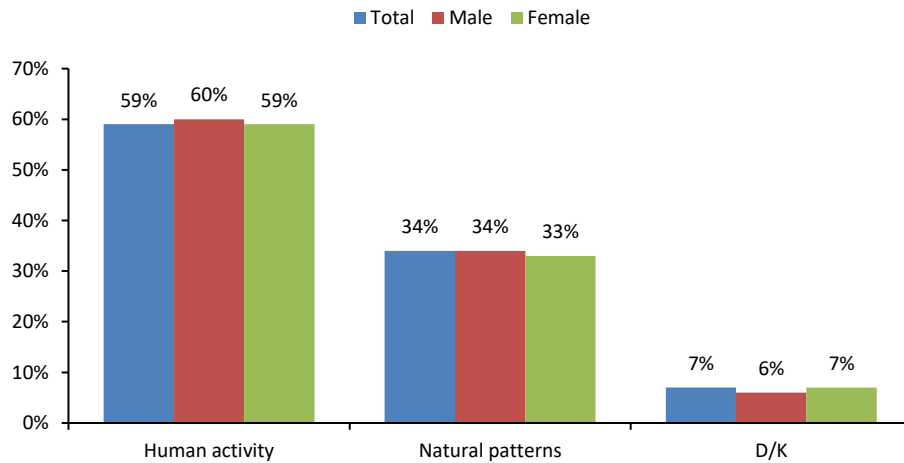
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



14. Some people say the Earth is getting warmer because of human activity, while others say it's mostly due to natural patterns in the earth's environment. Which is closer to your view?

Overall, 59 percent believe the earth is getting warmer due to human activity. More than fifty percent of all demographic categories measured except Republicans (29%) believe human activity is the cause of the earth getting warmer. No regional differences were observed. Those aged 18 – 34 (69%) are more likely than those their cohorts to say global warming it is caused by human activity.

Chart 14



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Human activity | 57% | 59% | 64% | 52% | 59% | 55% | 69% | 60% | 53% |
| Natural patterns | 37% | 34% | 30% | 28% | 33% | 38% | 28% | 32% | 39% |
| Unsure | 5% | 7% | 6% | 21% | 8% | 6% | 2% | 7% | 9% |

| | <i>Party ID</i> | | |
|-------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Human activity | 80% | 55% | 29% |
| Natural patterns | 16% | 34% | 69% |
| Unsure | 4% | 11% | 2% |

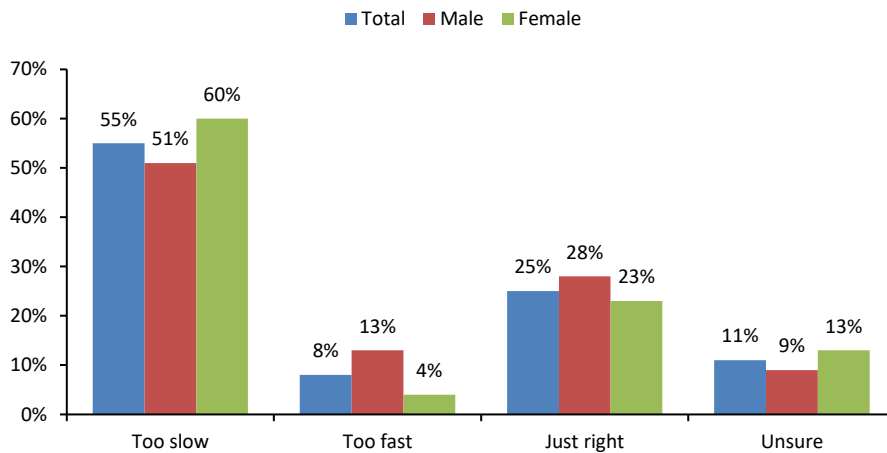
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



15. How do you rate the pace at which our state is working to reduce emissions that cause global warming?

Just over half (55%) say New Jersey is moving too slowly in its efforts toward developing clean energy alternatives. A quarter (25%) believe the state is moving at the correct pace. More women (60%) than men (51%), and more Democrats (71%) than Republicans (36%) or Independents (50%) say NJ is moving too slowly.

Chart 15



| | Region ¹ | | | | | | Age | | |
|-------------------|---------------------|-----------|------------|----------|-------|-------|-------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Too slow | 55% | 51% | 58% | 66% | 55% | 51% | 56% | 58% | 51% |
| Too fast | 10% | 10% | 7% | 1% | 9% | 10% | 14% | 6% | 8% |
| Just right | 26% | 27% | 24% | 27% | 24% | 27% | 25% | 26% | 25% |
| Unsure | 9% | 12% | 11% | 6% | 12% | 13% | 5% | 10% | 17% |

| | Party ID | | |
|-------------------|----------|-----|-----|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Too slow | 71% | 50% | 36% |
| Too fast | 2% | 10% | 14% |
| Just right | 20% | 26% | 33% |
| Unsure | 6% | 13% | 18% |

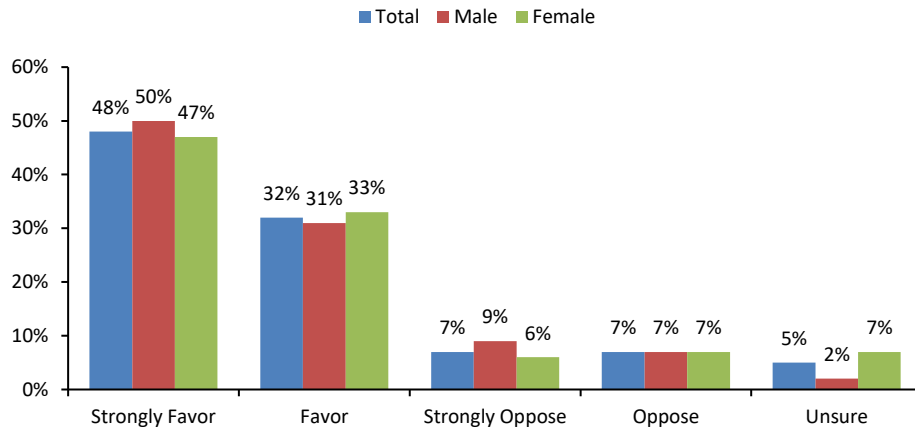
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



Q16. New Jersey recently approved the development of wind energy off the coast of New Jersey. Do you favor or oppose this??

Overall, 81 percent favor the development of offshore wind energy stations off the coast of New Jersey. More from the PennEast (70%) strongly favor it. Once again Democrats (90%) are more supportive than are Republicans (67%) or Independents (79%).

Chart 16



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Strongly Favor | 43% | 43% | 52% | 70% | 47% | 44% | 49% | 51% | 44% |
| Favor | 36% | 35% | 29% | 14% | 35% | 35% | 33% | 34% | 30% |
| Oppose | 5% | 10% | 8% | 3% | 8% | 6% | 9% | 6% | 8% |
| Strongly Oppose | 10% | 6% | 6% | 3% | 6% | 9% | 8% | 4% | 10% |
| Unsure | 6% | 6% | 4% | 10% | 3% | 4% | 1% | 5% | 7% |

| | <i>Party ID</i> | | |
|------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Strongly Favor | 63% | 47% | 25% |
| Favor | 27% | 32% | 43% |
| Oppose | 5% | 5% | 17% |
| Strongly Oppose | 3% | 9% | 7% |

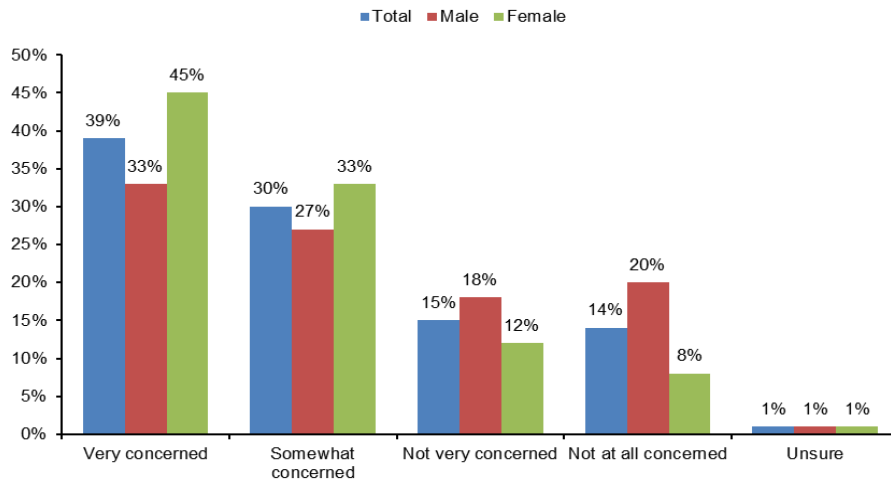
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



17. There are several new gas and oil pipelines proposed across the state. How concerned are you, if at all, about their potential effect on New Jersey?

When asked a general question regarding concern about pipeline impact in New Jersey, nearly three quarters (73%) say they were somewhat or very concerned. Women (78%) are more concerned than men (60%), those 18-34 (78%) are more concerned than those 60+ (63%) or 34-59 (70%). Democrats (86%) are more concerned than Republicans (37%) or Independents (65%). Those from PennEast (84%) are more likely than those from the Northwest (67%), Northeast (63%) and South (67%) to be concerned.

Chart 17



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very concerned | 37% | 37% | 40% | 61% | 40% | 35% | 41% | 43% | 33% |
| Somewhat concerned | 30% | 26% | 34% | 23% | 28% | 34% | 37% | 27% | 30% |
| Not very concerned | 15% | 20% | 12% | 5% | 16% | 15% | 11% | 15% | 17% |
| Not at all concerned | 15% | 15% | 13% | 10% | 15% | 15% | 11% | 14% | 16% |
| Unsure | 3% | 2% | 2% | 1% | 2% | 0% | 0% | 0% | 5% |

| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 418 | 165 | 201 |
| Very concerned | 56% | 32% | 11% |
| Somewhat concerned | 29% | 33% | 27% |
| Not very concerned | 9% | 9% | 32% |
| Not at all concerned | 5% | 23% | 27% |
| Unsure | 0% | 3% | 3% |

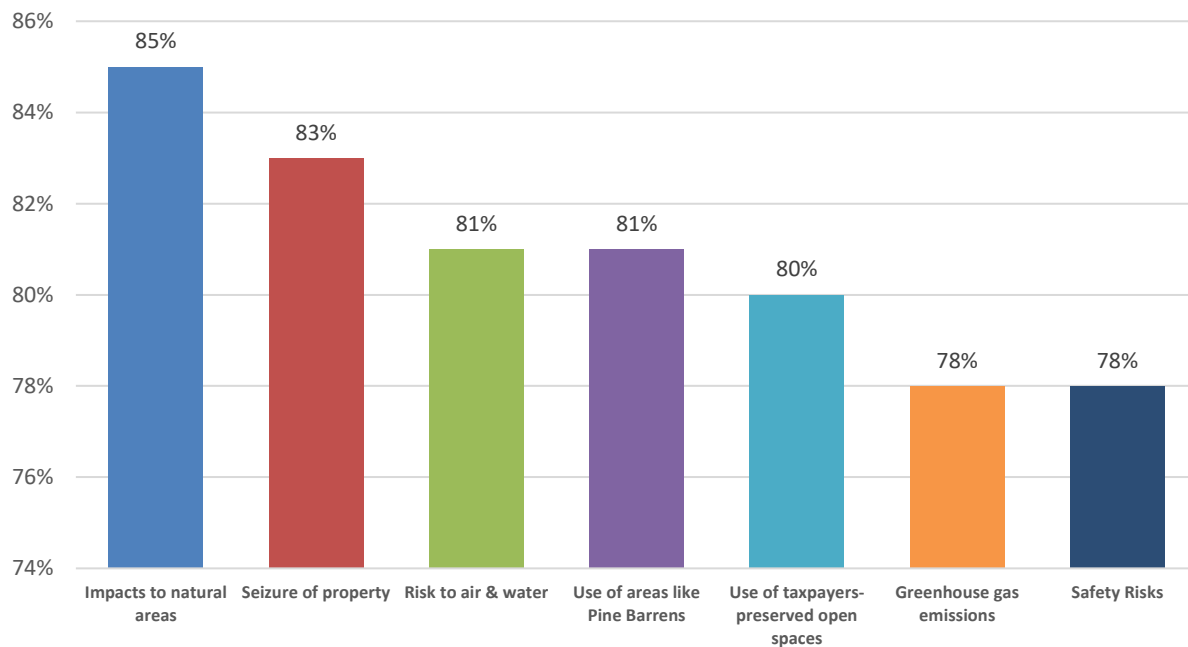
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



Q18. Concern about the pipeline SUMMARY

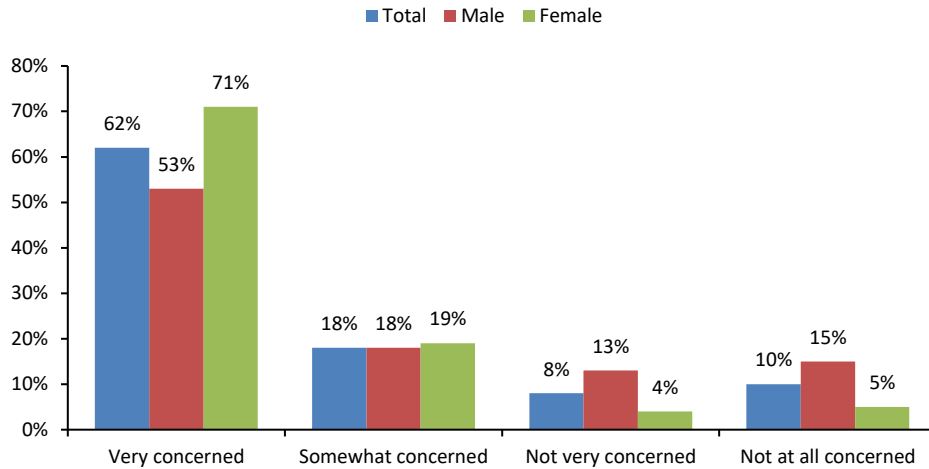
Overall, nearly three-quarters or more of New Jerseyans are at least somewhat concerned with the seven specific potential issues tested regarding the proposed pipelines. The impact to natural areas and wildlife habitats (85%) is now the top concern, while the seizure of private property by big energy companies (83%) drops to second. The risks to air and water quality (81%) and the use of areas like the pinelands (81%) rate just behind these two. The use of taxpayers preserved land (80%), the concern over greenhouse gas emissions (78%) and safety risks (78%) follow, however there are no significant differences between them. Once again, this year more women than men are more likely to be very concerned for all items. Similarly, Democrats continue to be more concerned than Republicans or Independents across all items.

Chart 18



18a. Concern about the pipeline development to: The risks to air and water quality

Chart 19



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|-----------|------------|----------|-------|-------|------------|-------|-----|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very Concerned | 57% | 61% | 67% | 73% | 61% | 59% | 67% | 63% | 59% |
| Somewhat Concerned | 22% | 19% | 16% | 13% | 20% | 20% | 20% | 18% | 18% |
| Not Very Concerned | 8% | 12% | 8% | 9% | 6% | 6% | 6% | 8% | 10% |
| Not at all Concerned | 12% | 7% | 9% | 5% | 11% | 13% | 5% | 11% | 12% |

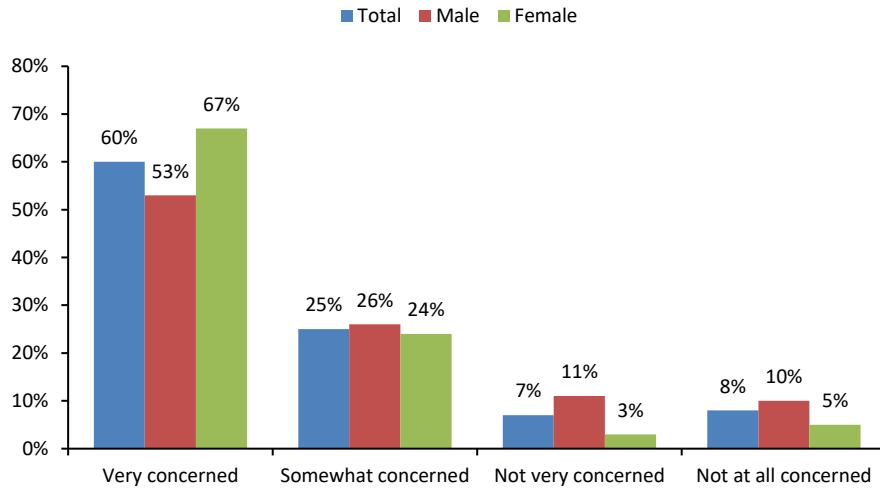
| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 316 | 304 | 141 |
| Very Concerned | 79% | 58% | 37% |
| Somewhat Concerned | 12% | 19% | 27% |
| Not Very Concerned | 4% | 9% | 14% |
| Not at all Concerned | 4% | 12% | 19% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18b. Concern about the pipeline development to: The impact to natural areas and wildlife habitats?

Chart 20



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very Concerned | 54% | 67% | 58% | 64% | 64% | 57% | 66% | 61% | 56% |
| Somewhat Concerned | 31% | 16% | 29% | 19% | 21% | 27% | 25% | 23% | 27% |
| Not Very Concerned | 6% | 10% | 6% | 12% | 4% | 6% | 4% | 8% | 7% |
| Not at all Concerned | 9% | 6% | 6% | 2% | 11% | 10% | 5% | 7% | 10% |

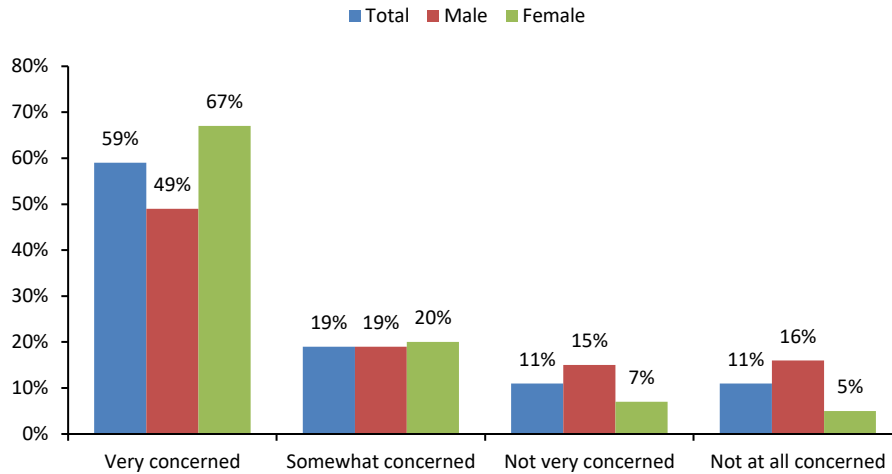
| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Very Concerned | 73% | 57% | 40% |
| Somewhat Concerned | 21% | 24% | 34% |
| Not Very Concerned | 2% | 9% | 13% |
| Not at all Concerned | 3% | 9% | 12% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
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PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18c. Concern about the pipeline development to: The safety risks associated with ruptures, leaks, or explosions?

Chart 21



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very Concerned | 51% | 56% | 62% | 57% | 63% | 55% | 64% | 59% | 54% |
| Somewhat Concerned | 20% | 22% | 20% | 23% | 15% | 18% | 21% | 16% | 22% |
| Not Very Concerned | 14% | 11% | 11% | 9% | 10% | 11% | 8% | 14% | 10% |
| Not at all Concerned | 13% | 10% | 7% | 11% | 11% | 16% | 7% | 10% | 14% |

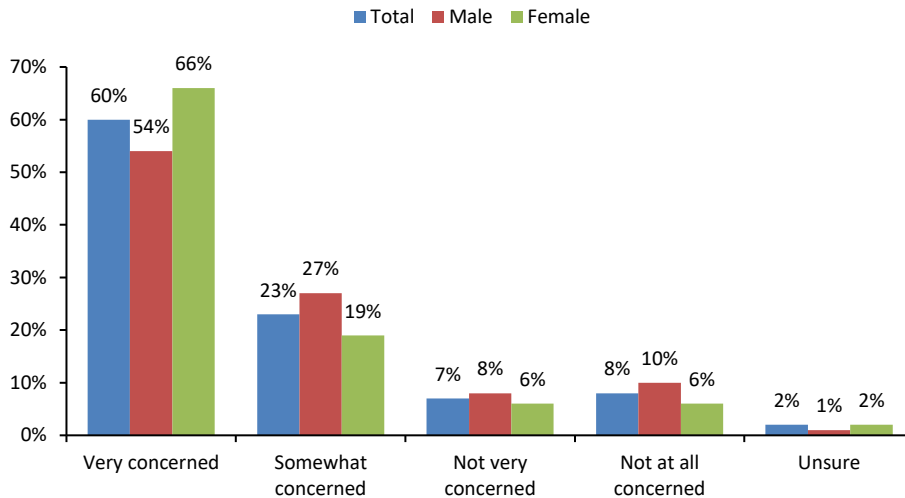
| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 316 | 304 | 141 |
| Very Concerned | 74% | 56% | 35% |
| Somewhat Concerned | 15% | 19% | 25% |
| Not Very Concerned | 6% | 12% | 20% |
| Not at all Concerned | 4% | 13% | 19% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18d. Concern about the pipeline development to: The seizure of private property for big energy companies?

Chart 22



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------|------------|-----------|------------|------------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very Concerned | 53% | 60% | 61% | 72% | 66% | 57% | 60% | 59% | 61% |
| Somewhat Concerned | 28% | 21% | 23% | 21% | 16% | 28% | 22% | 24% | 23% |
| Not Very Concerned | 9% | 9% | 8% | 1% | 5% | 4% | 8% | 7% | 7% |
| Not at all Concerned | 8% | 6% | 8% | 7% | 11% | 8% | 9% | 10% | 6% |
| Unsure | 2% | 5% | 0% | 0% | 2% | 2% | 2% | 1% | 3% |

| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 316 | 304 | 141 |
| Very Concerned | 70% | 57% | 44% |
| Somewhat Concerned | 18% | 23% | 34% |
| Not Very Concerned | 5% | 8% | 9% |
| Not at all Concerned | 6% | 9% | 12% |
| Unsure | 0% | 3% | 2% |

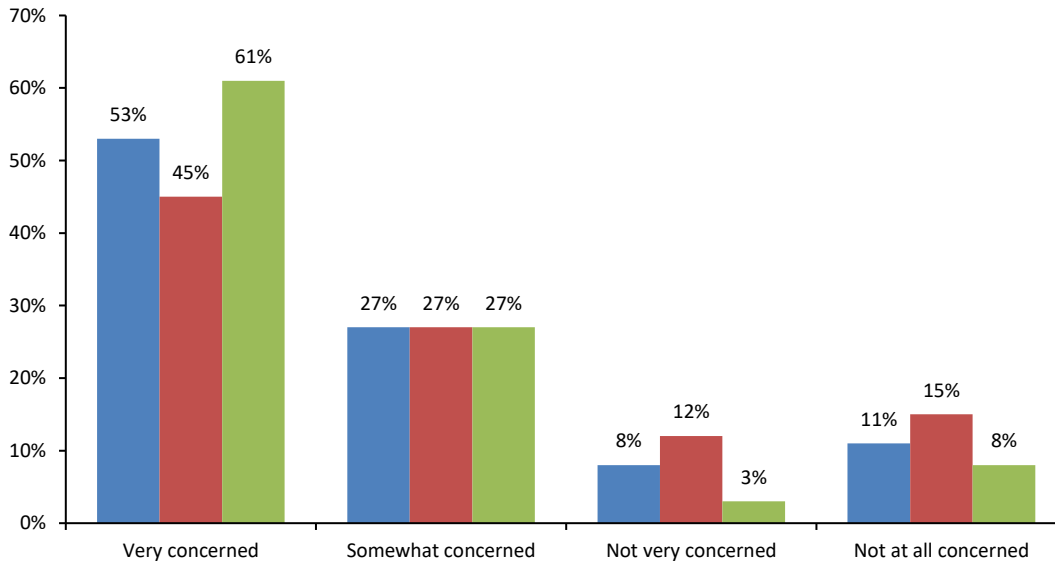
¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18e1. Concern about the pipeline development to: The use of taxpayer-preserved open space for construction of pipelines?

Chart 23

■ Total ■ Male ■ Female



| | Region ¹ | | | | | | Age | | |
|-----------------------------|---------------------|-----------|------------|-----------|-----------|-----------|-----------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 52 | 65 | 125 | 26 | 78 | 57 | 84 | 182 | 131 |
| Very Concerned | 52% | 51% | 55% | 55% | 59% | 43% | 47% | 61% | 45% |
| Somewhat Concerned | 29% | 21% | 32% | 24% | 20% | 31% | 31% | 26% | 26% |
| Not Very Concerned | 10% | 19% | 2% | 7% | 8% | 4% | 11% | 2% | 13% |
| Not at all Concerned | 9% | 9% | 10% | 7% | 13% | 20% | 10% | 9% | 15% |

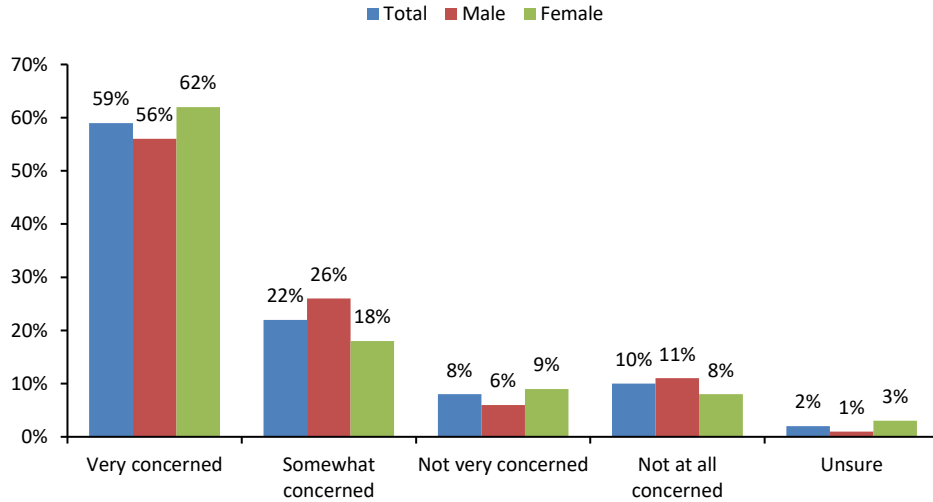
| | Party ID | | |
|-----------------------------|-----------|-----------|------------|
| | Dem | Ind | Rep |
| N= | 52 | 65 | 125 |
| Very Concerned | 52% | 51% | 55% |
| Somewhat Concerned | 29% | 21% | 32% |
| Not Very Concerned | 10% | 19% | 2% |
| Not at all Concerned | 9% | 9% | 10% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18e2. Concern about the pipeline development to: The use of protected natural areas such as the Pine Barrens for the construction of pipelines?

Chart 24



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|-----------|------------|-----------|-----------|-----------|------------|------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 52 | 68 | 129 | 16 | 63 | 78 | 91 | 164 | 149 |
| Very Concerned | 61% | 61% | 61% | 83% | 60% | 45% | 67% | 59% | 53% |
| Somewhat Concerned | 12% | 18% | 23% | 4% | 24% | 31% | 24% | 18% | 24% |
| Not Very Concerned | 11% | 7% | 10% | 6% | 4% | 6% | 6% | 10% | 7% |
| Not at all Concerned | 11% | 7% | 5% | 8% | 13% | 15% | 3% | 11% | 12% |
| Unsure | 4% | 6% | 0% | 0% | 0% | 3% | 0% | 1% | 4% |

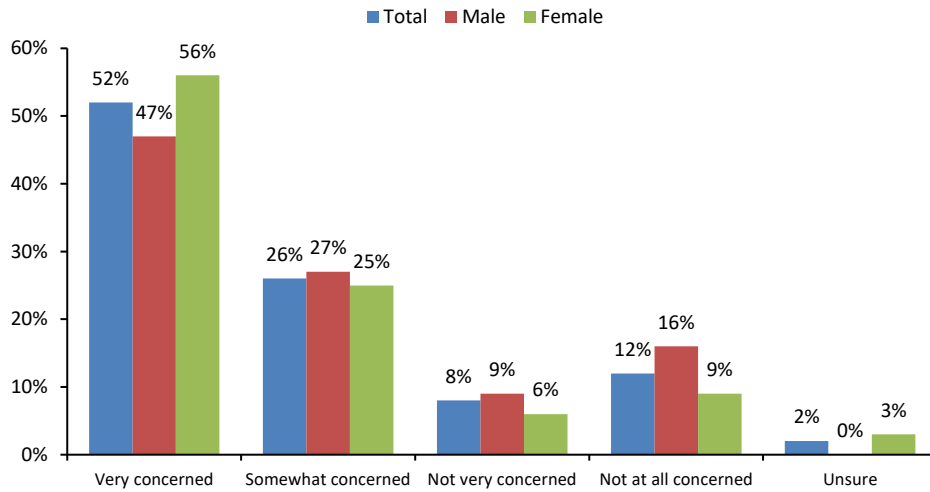
| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | <i>Dem</i> | <i>Ind</i> | <i>Rep</i> |
| N= | 161 | 151 | 71 |
| Very Concerned | 74% | 57% | 29% |
| Somewhat Concerned | 18% | 24% | 30% |
| Not Very Concerned | 5% | 9% | 12% |
| Not at all Concerned | 3% | 9% | 24% |
| Unsure | 0% | 2% | 5% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



18f. Concern about the pipeline development to: Greenhouse gas emissions that contribute to climate change?

Chart 25



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|-----------------------------|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Very Concerned | 55% | 56% | 58% | 62% | 45% | 38% | 58% | 52% | 47% |
| Somewhat Concerned | 19% | 22% | 22% | 24% | 28% | 41% | 28% | 25% | 27% |
| Not Very Concerned | 11% | 7% | 8% | 4% | 6% | 7% | 5% | 8% | 9% |
| Not at all Concerned | 12% | 13% | 11% | 3% | 18% | 13% | 8% | 12% | 16% |
| Unsure | 2% | 1% | 1% | 7% | 3% | 0% | 0% | 2% | 2% |

| | <i>Party ID</i> | | |
|-----------------------------|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Very Concerned | 72% | 45% | 22% |
| Somewhat Concerned | 19% | 30% | 33% |
| Not Very Concerned | 2% | 10% | 16% |
| Not at all Concerned | 4% | 13% | 27% |
| Unsure | 2% | 2% | 1% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



19. If you had to choose from the following statements, which comes closest to your view?

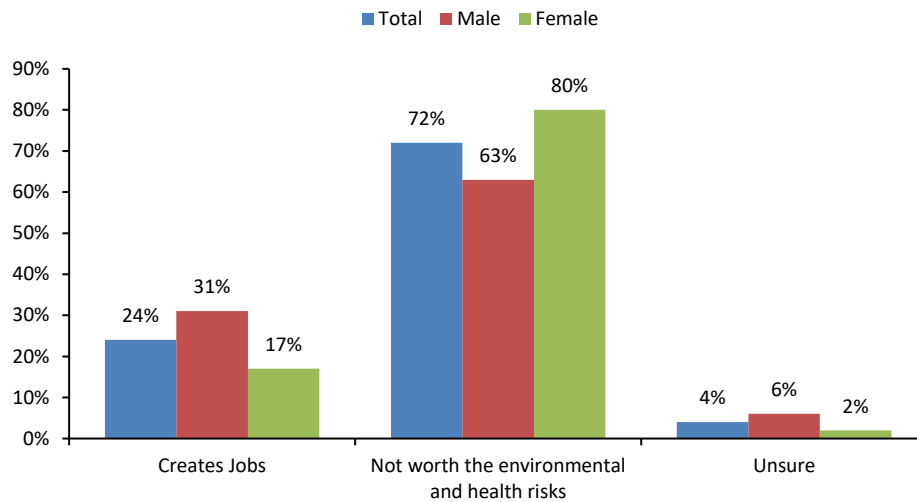
Building pipelines will create many much-needed construction jobs that New Jersey workers and families will benefit from.

or

The number of jobs created through pipelines are not worth the environmental and health risks, and we should instead create jobs through clean, renewable energy projects.

By nearly a three to one margin (24% vs. 72%), New Jerseyans believe the number of potential jobs pipelines may create do not outweigh their potential risks. In all demographics measured other than Republicans (48%), more than half said the potential jobs created were not worth the associated risks. Men (31%) are more likely than women (17%) to say the jobs outweigh the risks.

Chart 26



| | <i>Region¹</i> | | | | | | <i>Age</i> | | |
|--|---------------------------|------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|------------|
| | Northwest | Northeast | Urban Core | PennEast | South | Coast | 18-34 | 35-59 | 60+ |
| N= | 105 | 133 | 253 | 42 | 141 | 134 | 174 | 346 | 280 |
| Pipeline jobs are not worth the risks | 66% | 71% | 75% | 72% | 79% | 65% | 82% | 73% | 64% |
| Pipelines create jobs | 30% | 27% | 22% | 21% | 18% | 28% | 17% | 24% | 28% |
| Unsure | 4% | 2% | 4% | 8% | 2% | 7% | 1% | 3% | 7% |

| | <i>Party ID</i> | | |
|--|-----------------|------------|------------|
| | Dem | Ind | Rep |
| N= | 316 | 304 | 141 |
| Pipeline jobs are not worth the risks | 88% | 70% | 48% |
| Pipelines create jobs | 9% | 25% | 49% |
| Unsure | 3% | 4% | 3% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties
Northeast: Bergen and Passaic Counties
Urban Core: Essex, Hudson, Middlesex, and Union Counties
PennEast: Hunterdon, and Mercer Counties
South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties
Coast: Atlantic, Cape May, Monmouth, and Ocean Counties



III. Sample Characteristics

Gender

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

Age

| | |
|---------|-----|
| 18-34 | 22% |
| 35-59 | 43% |
| 60+ | 35% |
| Refused | 1% |

Party ID

| | |
|---------------|-----|
| Democrat | 52% |
| Republican | 25% |
| Independent | 20% |
| Other/Refused | 3% |

Region¹

| | |
|------------|-----|
| Northwest | 19% |
| Northeast | 15% |
| Urban Core | 28% |
| PennEast | 7% |
| South | 15% |
| Coast | 16% |

¹ **Northwest:** Morris, Somerset, Sussex, and Warren Counties

Northeast: Bergen and Passaic Counties

Urban Core: Essex, Hudson, Middlesex, and Union Counties

PennEast: Hunterdon, and Mercer Counties

South: Burlington, Camden, Cumberland, Gloucester, and Salem Counties

Coast: Atlantic, Cape May, Monmouth, and Ocean Counties

Education

| | |
|-----------------------------------|-----|
| Some HS | 3% |
| High school | 24% |
| Some college or Community college | 21% |
| Graduated from a 4 year college | 30% |
| Graduate school | 22% |

Employment

| | |
|-------------------------------|-----|
| Full-time | 55% |
| Part-time | 12% |
| Retired | 25% |
| Not employed outside the home | 7% |

Ethnicity

| | |
|------------------|-----|
| White | 64% |
| African American | 13% |
| Hispanic/Latino | 12% |
| Asian | 7% |
| Other | 0% |
| Ref | 5% |

Interview Completed Via:

| | |
|-----------------|-----|
| Land-line phone | 54% |
| Cell phone | 46% |

APPENDIX A

Questionnaire

2019 ReThink Energy NJ Survey

CPS2. For your safety, are you currently driving?

- 1 Yes SET TIME TO CALL BACK
- 2 No (Skip to SCR1)
- 3 Don't Know THANK AND TERMINATE
- 4 Refused THANK AND TERMINATE

SCR1. To begin, do you reside in New Jersey?

- 1 Yes
- 2 No/DK (THANK AND TERMINATE)

SCR2. Are you over 18?

- 1 Yes
- 2 No/DK (THANK AND TERMINATE)

SCR3. ...and currently registered to vote at this address?

- 1 Yes
- 2 No/DK (THANK AND TERMINATE)

Q1. How closely do you follow news about the various ways that people in New Jersey power their homes and businesses?

- 1 Very closely
- 2 Somewhat closely
- 3 Not at all closely
- 8 DK (vol)
- 9 Refused (vol)

Q2. Which source do you think are the most important to New Jersey's energy future? **Read the list**

- 1 Solar
- 2 Wind
- 3 Natural gas
- 4 Oil
- 5 Nuclear
- 6 Coal
- 7 Other (vol) [specify]
- 8 DK (vol)
- 9 Refused (vol)



Q3. Which of the following do you believe are clean energy sources? (**Read List and rotate order**) [**Check all that apply**]

- 1 Solar
- 2 Wind
- 3 Natural gas
- 4 Oil
- 5 Nuclear
- 6 Coal
- 8 DK (vol)
- 9 Refused (vol)

Q4. How important, if at all, do you believe investing in renewable energy sources, like wind and solar, is to the overall health of New Jersey?

- 1 Very important
- 2 Somewhat important
- 3 Not very important
- 4 Not at all important
- 8 DK (vol)
- 9 Refused (vol)

Q5. How willing would you be to pay \$10 per month/\$15 per month more (**SPLIT SAMPLE**) over the next five years on your energy bills to have your energy generated from solar or wind energy, if you knew that doing so would help to reduce harmful emissions?

- 1 Very willing
- 2 Somewhat willing
- 3 Not very willing
- 4 Not willing at all
- 8 DK (vol)
- 9 Refused (vol)

Q6. In order to meet New Jersey's energy needs, do you believe the state should invest more in renewable energy sources, like wind and solar, or more in fossil fuels, like oil and natural gas, through the construction of additional pipelines? (**Rotate**)

- 1 Renewable sources
- 2 Fossil fuels
- 8 DK (vol)
- 9 Refused (vol)



Q7. How do you rate the pace at which our state is developing and adopting renewable energy alternatives? Would you say it is...(Rotate)

- 1 Too slow
- 2 Too fast
- 3 Just right
- 8 DK (vol)
- 9 Refused (vol)

Q8. The federal government has recently been pushing for greater fossil fuel development, like oil and gas. Do you agree or disagree [rotate] with this energy policy? Would that be...

- 1 Strongly Agree
- 2 Somewhat Agree
- 3 Somewhat Disagree
- 4 Strongly Disagree
- 8 DK (vol)
- 9 Refused (vol)

Q9. Given the emphasis in Washington on more fossil fuels, would you say New Jersey should ... (ROTATE) (READ LIST)

- Follow Washington's lead and invest more in oil and natural gas projects
- OR
- Set its own course, and invest more in clean, renewable energy sources

Q10. Does a political candidate's support for moving from fossil fuels to renewable energy like solar or wind make you [Rotate more or less likely] more likely or less likely to vote for them, or does their support for renewable energy make no difference to you?

- 1 More likely
- 2 Less likely
- 3 Makes no difference
- 8 DK (vol)
- 9 Refused (vol)

Q11. Do you favor or oppose [rotate] New Jersey's goal of achieving 100% clean energy by 2050?

- 1. Favor
- 2. Strongly Favor
- 3. Oppose
- 4. Strongly Oppose
- 8. DK (vol)
- 9. Refused (vol)



Q12. To achieve New Jersey's goal of 100% clean energy by 2050, do you think we should [rotate] build more gas pipelines in New Jersey or develop more wind and solar energy sources?

- 1 More pipelines
- 2 More wind and solar
- 8 DK (vol)
- 9 Refused (vol)

Q13. How would you describe your feelings toward the effects of climate change on New Jersey?
Are you

- 1 Very concerned
- 2 Somewhat concerned
- 3 Not very concerned
- 4 Not at all concerned
- 8 DK (vol)
- 9 Refused (vol)

Q14. Some people say the Earth is getting warmer because of human activity, while others say it's mostly due to natural patterns in the earth's environment. Which is closer to your view?

[rotate]

- 1 Human activity
- 2 Natural patterns
- 8 DK (vol)
- 9 Ref (vol)

Q15. How do you rate the pace at which our state is working to reduce emissions that cause global warming? Would you say it is...(Rotate)

- 1 Too slow
- 2 Too fast
- 3 Just right
- 8 DK (vol)
- 9 Refused (vol)

Q16. New Jersey recently approved the development of wind energy off the coast of New Jersey? Do you favor or oppose this? Favor/Oppose

- 1 Strongly Favor
- 2 Oppose
- 3 Strongly Oppose
- 8 DK (vol)
- 9 Refused (vol)



Q17. There are several new natural gas pipelines proposed across the state. How concerned are you, if at all, about their potential environmental effect on New Jersey Are you...

- 1 Very concerned
- 2 Somewhat concerned
- 3 Not very concerned
- 4 Not at all concerned
- 8 DK (vol)
- 9 Refused (vol)

Q18. And, in general, how would you describe your feelings toward each of the following potential consequences of pipeline development in New Jersey? [Rotate Q18A through Q18F]

Q18A The risks to air and water quality

Q18B The impact to natural areas and wildlife habitats

Q18C The safety risks associated with ruptures, leaks, or explosions

Q18D The seizure of private property by big energy companies for gas pipeline projects.

(SPLIT Sample 18E1 and 18E2)

Q18E1 The use of taxpayer-preserved open space for construction of pipelines

Q18E2 The use of protected natural areas such as the Pinelands for the construction of pipelines

Q18F Greenhouse gas emissions that contribute to climate change

- 1 Very concerned
- 2 Somewhat concerned
- 3 Not very concerned
- 4 Not at all concerned
- 8 DK (vol)
- 9 Refused (vol)

Q19 If you had to choose from the following statements, which comes closest to your view? [rotate]:

Building pipelines will create much-needed construction jobs that New Jersey workers and families will benefit from.

Or

The number of jobs created by pipeline construction projects are not worth the environmental and health risks, and we should instead create jobs through clean, renewable energy projects.



Finally, just some questions about yourself...

D1 Regardless of who you might vote for, do you consider yourself a....**ROTATE...**
Democrat, a Republican, or an Independent?

- 1 Democrat
- 2 Republican
- 3 Independent [**If Independent, ask D1b**]
- 4 Other [DON'T READ]
- 8 Don't Know [DON'T READ]
- 9 Ref [DON'T READ]

D1b Which way do you lean?

- 1 Democrat
- 2 Republican
- 3 Neither
- 8 DK (Vol)

D2. And what's the highest level of education you've completed so far...**PROMPT UNTIL ANSWERED ?**

- 1 Some high school
- 2 High school
- 3 Some college or graduated from a community college
- 4 Graduated from a four-year college
- 5 Graduate school
- 8 DK (vol)
- 9 Ref (vol)

D3. Are you currently employed full time, part time, or are you retired or not employed?
outside the home?

- 1 FT
- 2 PT
- 3 Retired
- 4 Not employed outside the home
- 8 DK (vol)
- 9 Ref (vol)

D4. Gender (from observation)

- 1 Male
- 2 Female

D5. County code [**break by region**]



D6. What year were you born?

IF REF, ASK “which age group do you fall into... 18-34, 35-59, 60+ ?

D7. In addition to being American, would you say you’re... ? [Prompt as necessary]

- 1 White [INTERVIEWER INCLUDE: Irish, German, Polish, Italian, and all Europeans]
- 2 African-American/black
- 3 Asian-American [INCLUDES: Indian, Pakistani, Arab, Chinese, Japanese, etc.]
- 4 Hispanic/Latin American
- 5 Other [vol]
- 9 Ref.

PROMPT: THANKS SO MUCH FOR YOUR TIME...