
User's Guide and Codebook
National Surveys on Energy and Environment (NSEE)

**National Surveys on Energy and Environment Public Use
Datasets:
Fall 2015**

National Surveys on Energy and Environment Public Use Datasets: Fall 2015

Summary

The National Surveys on Energy and Environment (NSEE), a core activity in CLOSUP's [Energy and Environmental Policy Initiative](#), reflects a formal partnership between the [Muhlenberg Institute of Public Opinion](#) at Muhlenberg College and the Center for Local, State, and Urban Policy at the University of Michigan's Gerald R. Ford School of Public Policy. NSEE surveys include twice per year national opinion surveys on issues directly related to climate change, as well as other surveys conducted on a range of topics such as hydraulic fracturing ("fracking"), the Great Lakes, and wider issues of energy and environment. NSEE is co-directed by professor [Barry Rabe](#) at the University of Michigan, and professor [Christopher Borick](#) at Muhlenberg College. For more information on the collaboration between the University of Michigan and Muhlenberg College, please see the recent article from [Muhlenberg Magazine](#). For more information about the NSEE, contact CLOSUP staff at 734-647-4091 or closup@umich.edu.

The Fall 2015 NSEE was the 15th wave in the NSEE survey program. The survey included longitudinal questions about belief in climate change, plus additional content related to the Clean Power Plan, Pope Francis' encyclical and the role of religion in environmental issues, and more.

Methodology

Survey Methodology	
N	911 (353 Land Line & 558 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	September 2, 2015 - September 24, 2015
AAPOR RR3 Response Rate	12%
Weighted by: Gender, Age, Race, Income, and Education	

The results are based on a telephone survey of 911 adult (age 18 or older) residents of the United States between September 2 and September 24, 2015. Respondents were interviewed in English on both landlines (353) and cell phones (558) by the staff of the Muhlenberg College Institute of Public Opinion (MCIPO) in Allentown, Pennsylvania on the Institute's Computer Aided Telephone Interviewing (CATI) system. Of the 558 cell phone respondents, 428 had no landlines in their household. Both the landline and cell phone samples were provided by the Marketing Systems Group (MSG), Horsham, Pennsylvania. Both landline and cell phones were chosen randomly from sampling frames of United States landline and cell numbers provided by MSG.

With a randomly selected sample of 911 respondents the margin of error for the surveys is $\pm 3.5\%$ at a 95% level of confidence. Margins of error for questions with smaller sample sizes will be larger. In addition to sampling error, one should consider that question wording and other fielding issues can introduce error or bias into survey results. The data should be weighted (using the variable "weight") by age, race, educational attainment, income and gender to reflect 2013 population parameters for these factors provided by the United States Census Bureau. The calculation of sampling error takes into account design effects due to the weighting identified above. In order to reach a representative sample of adult Americans both landlines and cell phones are called up to 10 times. The response rate for this survey as calculated using the American Association of Public Opinion Research (AAPOR) RR3 formula is 12%. The instrument was designed by Christopher Borick of Muhlenberg College, Barry Rabe of the University of Michigan, Erick Lachapelle of the University of Montreal, and Sarah Mills of the University of Michigan. For more detailed information on the methods employed please contact the MCIPO at 484-664-3444 or email Dr. Borick at cborick@muhlenberg.edu.

Funding and Financial Disclosure

Funding for the NSEE surveys has been provided by general revenues of the University of Michigan Center for Local, State, and Urban Policy, and the Muhlenberg College Institute of Public Opinion. The authors did not accept any stipend or supplemental income in the completion of the survey or the reports from this survey.

Variable Naming

Rather than using variables names based on question number, the NSEE datasets use a longitudinal variable naming scheme, to facilitate longitudinal analysis. Many questions have been asked in multiple waves of the NSEE, making it a valuable source of longitudinal public-opinion data on climate change and energy policy. Consult the [NSEE Crosswalk](#) to see which questions have been asked in prior and subsequent waves of the NSEE. Variable names include two parts, a subject category for the question, and a description of the contents of the question. When a question has been asked with the same text and response options over multiple waves, the same variable name will be used in each dataset. Where there have been slight changes in question wording, the variable name will include a version number (v1, v2, etc., appended to the variable name). In the single wave NSEE datasets, variables are listed in the order that they were asked.

LIST OF VARIABLES

Variable	Label
CATI_ID	CATI assigned ID
Sample	Sample Type
version_willing2pay	Q29 Version Type
placement_q20	Placement of Question 20 as either pre or post climate questions
demog_age_list	Age: by category
demog_state	State of residence
region	States coded to regions
weather_pastsummer_v3	How would you describe the overall weather in your area this past summer
gw_belief	Is there solid evidence avg temp on earth has been warming in past 4 decades
believer_confidence	How confident are you that the average temperature on earth is increasing
believer_cause	Is the earth warming because of human activity or natural patterns
believer_factor_open	Belief factor: primary factor OPEN ENDED
believer_factor_open_coded	Belief factor: primary factor OPEN ENDED coded
believer_factor_glaciers	Belief factor: Declining glaciers & polar ice
believer_factor_warmer	Belief factor: warmer temps in your area
believer_factor_models	Belief factor: computer models that indicate the earth is getting warmer
believer_factor_hurricane	Belief factor: Strength of US hurricanes
believer_factor_mildwint	Belief factor: milder winters in your area
believer_factor_polarbrs	Belief factor: declining polar bears & penguins
believer_factor_droughts	Belief factor: Severe droughts across US
believer_factor_extremes	Belief factor: Extreme weather
nonbeliever_confidence	How confident are you that the average temperature on earth is NOT increasing
nonbeliever_factor_open	Nonbelief factor: primary factor OPEN ENDED
nonbeliever_factor_open_coded	Nonbelief factor: primary factor OPEN ENDED coded
nonbeliever_factor_weath	Nonbelief factor: Personal observations of weather in area
nonbeliever_factor_scievid	Nonbelief factor: Scientific evidence disproves existence of GW
nonbeliever_factor_distort	Nonbelief Factor: Reports that scientists distort data about GW
wind_mystate_cpp	Support increasing the use of wind energy in your state, framed by CPP
solar_mystate_cpp	Support increasing the use of solar energy in your state, framed by CPP
natgas_mystate_cpp	Increasing electricity from natural gas in your state, framed by CPP
state_ee_mystate_cpp_v2	Requiring increased energy efficiency standards in your state, framed by CPP
state_captrade_mystate_v1_cpp	Support cap and trade in your state, framed by CPP
captrade_govt_v3	Which level of government should use cap & trade, Clean Power Plan lens
cpp_action_v2	Which approach should your state take to federal govt's Clean Power Plan
coal_leavingground	Support leaving coal in ground to avoid climate change
willing2pay_list	How much would you be willing to pay/year for more renewable energy
willing2pay_ghg	How much would you be willing to pay/year to reduce GHG emissions
fed_moralobligation	Agreement that rich countries have moral obligation to reduce GHG
woldviews_freemarket	The free market cannot by itself address climate change
religion_govtaction	My religious beliefs affect my views on how government should deal with GW

religion_leadersdiscuss	Religious leaders should discuss GW within the context of faith
religion_encyc_support	Support for Pope Francis call to address climate
religion_encyc_pope_opin	How has opinion of Pope changed after his encyclical on climate
religion_encyc_belief	How has belief in GW changed from Pope encyclical
fracking_heardof	How much have you heard about fracking
fracking_support	Support for fracking in the US
fracking_effect_economy	Fracking effect: the economy
fracking_effect_pubhealth	Fracking effect: public health
fracking_effect_environment	Fracking effect: the environment
fracking_risks	Do experts think fracking risks are high or low, or are experts divided
fracking_posnegterm	Do you consider fracking a positive or negative term
demog_race	Race
demog_relig	Religious affiliation
demog_relig_evang	Religious affiliation: evangelical Christian
demog_edu	Highest level of education
demog_news	Primary source for national & world news
science_trust	How much do you trust scientists as a source of information about GW
gw_knowledge	How much do you feel you know about global warming?
demog_polparty	Political party affiliation
demog_polviews	Political beliefs: conservative to liberal
demog_income	Family income
demog_zip3	3 digit zip code
demog_gender	Gender: not asked; assessed by interviewer
Weight	Overall Weight

FULL VARIABLE TEXT AND FREQUENCIES

CATI_ID – CATI assigned ID

CATI assigned ID

	C cell
	L land

Role
input

sample - Sample Type

Sample Type

	C cell
	L land

Role
input

version_willing2pay - Q29 Version Type

Q29 Version Type

	A Version A - renewable energy
	B Version B - GHG emissions

Role
input

CODEBOOK NOTE:

This variable indicates which version of Q29 (willing2pay_list or willing2pay_ghg) the respondent was asked.

placement_q20 - Placement of question 20 as either pre or post climate questions

Placement of question 20 as either pre or post climate questions

	3 pre climate questions
	20 post climate questions

Role
input

CODEBOOK NOTE:

This variable indicates whether the respondent was asked weather_pastsummer_v3 before or after the climate change questions.

demog_age_list - Age: by category

Age: by category

QUESTIONNAIRE TEXT: In which category does your current age fall?

1	18-29
2	30-44
3	45-64
4	65 and older
5	Refused but 18 or over
98	Not sure
99	Refused (terminate)

Role
input

demog_state - State of residence

State of residence

QUESTIONNAIRE TEXT: What state do you currently reside in?

Type
Text

Role
input

CODEBOOK NOTE:

In order to protect respondent confidentiality, CLOSUP masked responses to demog_state as “ “Masked”. The original values of demog_state may be available in a future version of this dataset, but are not currently available to secondary users. Responses to demog_state are summarized in region.

region - States coded to regions

States coded to regions

1	Northeast
2	South
3	Midwest
4	West

99	Refused
----	---------

Role
input

CODEBOOK NOTE:

States were coded into regions as follows:

Northeast (1)

ME,NH,VT,MA,RI,CT,NY,PA,NJ

South (2)

MD,DE,VA,NC,SC,GA,FL,WV,KY,TN,AL,MS,LA,AR,OK,TX,DC

Midwest (3)

OH,IN,IL,IA,WI,MN,MI,MO,NE,ND,SD,KS

West (4)

HI,AK,CA,OR,WA,MT,WY,CO,NM,AZ,UT,NV,ID

weather_pastsummer_v3 - How would you describe the overall weather in your area this past summer

How would you describe the overall weather in your area this past summer

QUESTIONNAIRE TEXT: How would you describe the weather in your area this past summer? Overall would you say it was:

1	A lot warmer than usual
2	Slightly warmer than usual
3	Slightly cooler than usual
4	A lot cooler than usual
5	About the same as usual
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

This question was asked as a split sample. Half of respondents were asked the question after Q2 (demog_state), and the other half got the question after Q19 (nonbeliever_factor_distort). The variable placement_q20 shows which placement of weather_pastsummer_v3 applied for each respondent.

gw_belief - Is there solid evidence avg temp on earth has been warming in past 4 decades

Is there solid evidence avg temp on earth has been warming in past 4 decades

QUESTIONNAIRE TEXT: Now I would like to ask you a few questions on the issue of global warming. From what you've read and heard. Is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?

1	Yes
2	No
98	Not sure
99	Refused

Role
input

believer_confidence - How confident are you that the average temperature on earth is increasing

How confident are you that the average temperature on earth is increasing

QUESTIONNAIRE TEXT: How confident are you that the average temperature on earth is increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is increasing?

-9	Not asked - not applicable
1	Very confident
2	Fairly confident
3	Not too confident
4	Not confident at all
98	Not sure
99	Refused

Role
input

Analysis Unit
Individual

SKIP PATTERN:
Not asked unless gw_belief=1

believer_cause - Is the earth warming because of human activity or natural patterns

Is the earth warming because of human activity or natural patterns

QUESTIONNAIRE TEXT: Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?

-9	Not asked - not applicable
1	Human activity
2	Natural patterns
3	A combination (volunteered)
98	Not sure
99	Refused

Role

input

Analysis Unit

Individual

SKIP PATTERN:

Not asked unless gw_belief=1

believer_factor_open - Belief factor: primary factor OPEN ENDED

Belief factor: primary factor OPEN ENDED

QUESTIONNAIRE TEXT: What is the primary factor that has caused you to believe that temperatures on earth are increasing?

Type

Text

Role

input

SKIP PATTERN:

Not asked unless gw_belief=1

believer_factor_open_coded - Belief factor: primary factor OPEN ENDED coded

Belief factor: primary factor OPEN ENDED coded

-9	Not asked - not applicable
----	----------------------------

1	Melting Glaciers
2	Warmer Temps Observed
3	Weather Change
4	Scientific Research
6	Media Coverage
7	Declining Species
8	Human Activity
9	Natural Patterns
10	Not Sure/Other
11	Ocean/sea-level rise
12	Religious factors
13	Population growth
14	Growing season/plants

Role
input

SKIP PATTERN:

believer_factor_open was not asked unless gw_belief=1

believer_factor_glaciers - Belief factor: Declining glaciers & polar ice

Belief factor: Declining glaciers & polar ice

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: Declining glaciers and polar ice throughout the globe

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

Not asked unless gw_belief=1

believer_factor_warmer - Belief factor: warmer temps in your area

Belief factor: warmer temps in your area

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer:

Warmer temperatures in your area during recent years

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_models - Belief factor: computer models that indicate the earth is getting warmer

Belief factor: computer models that indicate the earth is getting warmer

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer:
Computer models that indicate the earth is getting warmer

-9	Not asked - not applicable
1	Very large
2	Somewhat large

3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_hurricane - Belief factor: Strength of US hurricanes

Belief factor: Strength of US hurricanes

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: The strength of hurricanes hitting the United States

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_mildwint - Belief factor: milder winters in your area

Belief factor: milder winters in your area

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: Milder winters in your area

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_polarbrs - Belief factor: declining polar bears & penguins

Belief factor: declining polar bears & penguins

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: Declining numbers of polar bears and penguins

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_droughts - Belief factor: Severe droughts across US

Belief factor: Severe droughts across US

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: Sever droughts in areas across the United States

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role

input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

believer_factor_extremes - Belief factor: Extreme weather

Belief factor: Extreme weather

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer: Extreme weather events such as major storms and floods

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect

98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which the believer_factor variables (excluding believer_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=1

nonbeliever_confidence - How confident are you that the average temperature on earth is NOT increasing

How confident are you that the average temperature on earth is NOT increasing

QUESTIONNAIRE TEXT: How confident are you that the average temperatures on earth are NOT increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is NOT increasing?

-9	Not asked - not applicable
1	Very confident
2	Fairly confident
3	Not too confident
4	Not confident at all
98	Not sure
99	Refused

Role
input

SKIP PATTERN:

not asked unless gw_belief=2

nonbeliever_factor_open - Nonbelief factor: primary factor OPEN ENDED

Nonbelief factor: primary factor OPEN ENDED

QUESTIONNAIRE TEXT: What is the primary factor that makes you believe that temperatures on earth are not increasing?

Type
Text

Role
input

SKIP PATTERN:

not asked unless gw_belief=2

nonbeliever_factor_open_coded - Nonbelief factor: primary factor OPEN ENDED coded

Nonbelief factor: primary factor OPEN ENDED coded

-9	Not asked - not applicable
1	Personal Observations
2	Natural Patterns
3	Lack of Evidence
5	Evidence Disproves
7	Political Factors
8	No Particular Reason
9	Not Sure/Other

Role

input

SKIP PATTERN:

nonbeliever_factor_open not asked unless gw_belief=2

nonbeliever_factor_weath - Nonbelief factor: Personal observations of weather in area

Nonbelief factor: Personal observations of weather in area

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is NOT occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring: Your personal observations of weather in your area

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which nonbeliever_factor variables (excluding nonbeliever_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=2

nonbeliever_factor_scievid - Nonbelief factor: Scientific evidence disproves existence of GW

Nonbelief factor: Scientific evidence disproves existence of GW

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is NOT occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring: Scientific evidence that disproves the existence of global warming.

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which nonbeliever_factor variables (excluding nonbeliever_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=2

nonbeliever_factor_distort - Nonbelief Factor: Reports that scientists distort data about GW

Nonbelief Factor: Reports that scientists distort data about GW

QUESTIONNAIRE TEXT: Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is NOT occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring: Reports that climate scientists have distorted data to demonstrate that global warming is occurring.

-9	Not asked - not applicable
1	Very large
2	Somewhat large
3	Not too large
4	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which nonbeliever_factor variables (excluding nonbeliever_factor_open) were asked was rotated.

SKIP PATTERN:

not asked unless gw_belief=2

wind_mystate_cpp - Support increasing the use of wind energy in your state, framed by CPP

Support increasing the use of wind energy in your state, framed by CPP

QUESTIONNAIRE TEXT: The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? First... Increasing the use of wind energy in your state.

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

solar_mystate_cpp - Support increasing the use of solar energy in your state, framed by CPP

Support increasing the use of solar energy in your state, framed by CPP

QUESTIONNAIRE TEXT: The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? ... Increasing the use of solar energy in your state.

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

natgas_mystate_cpp - Increasing electricity from natural gas in your state, framed by CPP

Increasing electricity from natural gas in your state, framed by CPP

QUESTIONNAIRE TEXT: The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? ... Increasing the use of natural gas-fired electricity generation in your state.

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Don't know
99	Refused

Role
input

state_ee_mystate_cpp_v2 - Requiring increased energy efficiency standards in your state, framed by CPP

Requiring increased energy efficiency standards in your state, framed by CPP

QUESTIONNAIRE TEXT: The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding

on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? ... Requiring increased energy efficiency standards in your state.

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

state_captrade_mystate_v1_cpp - Support cap and trade in your state, framed by CPP

Support cap and trade in your state, framed by CPP

QUESTIONNAIRE TEXT: The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? ... Allowing businesses to buy and sell permits to release greenhouse gases to reduce greenhouse gases. This policy is commonly referred to as cap and trade.

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

captrade_govt_v3 - Which level of government should use cap & trade, Clean Power Plan lens

Which level of government should use cap & trade, Clean Power Plan lens

QUESTIONNAIRE TEXT: If a cap and trade system was to be used to reduce greenhouse gas emissions under the Clean Power Plan, would you prefer that it be done only within an individual state, by multiple states working together, or with ALL states working together?

1	Individual state
2	Multiple states
3	All states
98	Not sure
99	Refused

Role
input

cpp_action_v2 - Which approach should your state take to federal govt's Clean Power Plan

Which approach should your state take to federal govt's Clean Power Plan

QUESTIONNAIRE TEXT: Each state is required to adopt its own emission reduction plan under the Clean Power Plan, or have one imposed upon it by the federal government. Which approach to this federal requirement would you like YOUR state to take?

1	Submit state plan
2	Let federal govt impose plan
3	Refuse and sue
4	Other
98	Not sure
99	Refused

Role
input

coal_leavingground - Support leaving coal in ground to avoid climate change

Support leaving coal in ground to avoid climate change

QUESTIONNAIRE TEXT: Research by the scientific community suggests that in order to avoid more extreme climate change some forms of fossil fuels, like coal, will need to be left in the ground. Do you support or oppose the idea of leaving some fossil fuels, like coal, in the ground in order to avoid more extreme climate change?

1	Support
2	Oppose
98	Don't know
99	Refused

Role
input

willing2pay_list - How much would you be willing to pay/year for more renewable energy

How much would you be willing to pay/year for more renewable energy

QUESTIONNAIRE TEXT: If it required you to pay extra money each year in order for more renewable energy to be produced, how much would you be willing to pay? Would you be willing to pay...

-9	Not asked - split sample
1	Nothing
2	\$1-\$50 per year
3	\$50-\$100 per year
4	\$100-\$250 per year
5	\$250-\$500 per year
6	Over \$500 per year
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

Respondents were asked one of two versions of the willingness to pay question. Sample A was asked willing2pay_list, and sample B was asked willing2pay_ghg. The variable version_willing2pay indicates which sample a respondent belonged to. Sample B respondents are coded in willing2pay_list as -9 "Not asked - split sample".

willing2pay_ghg - How much would you be willing to pay/year to reduce GHG emissions

How much would you be willing to pay/year to reduce GHG emissions

QUESTIONNAIRE TEXT: If it required you to pay extra money each year in order to reduce greenhouse gas emissions, how much would you be willing to pay? Would you be willing to pay...

-9	Not asked - split sample
1	Nothing
2	\$1-\$50 per year
3	\$50-\$100 per year
4	\$100-\$250 per year
5	\$250-\$500 per year
6	Over \$500 per year

98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

Respondents were asked one of two versions of the willingness to pay question. Sample A was asked willing2pay_list, and sample B was asked willing2pay_ghg. The variable version_willing2pay indicates which sample a respondent belonged to. Sample A respondents are coded in willing2pay_ghg as -9 "Not asked - split sample".

fed_moralobligation - Agreement that rich countries have moral obligation to reduce GHG

Agreement that rich countries have moral obligation to reduce GHG

QUESTIONNAIRE TEXT: For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement: Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree
4	Strongly disagree
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which fed_moralobligation through religion_leadersdiscuss were asked was rotated.

woldviews_freemarket - The free market cannot by itself address climate change

The free market cannot by itself address climate change

QUESTIONNAIRE TEXT: For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement: That the free market cannot by itself address climate change.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree

4	Strongly disagree
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which fed_moralobligation through religion_leadersdiscuss were asked was rotated.

religion_govtaction - My religious beliefs affect my views on how government should deal with GW

My religious beliefs affect my views on how government should deal with GW

QUESTIONNAIRE TEXT: For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement: My religious beliefs affect my views on how government should deal with the issue of global warming.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree
4	Strongly disagree
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which fed_moralobligation through religion_leadersdiscuss were asked was rotated.

religion_leadersdiscuss - Religious leaders should discuss GW within the context of faith

Religious leaders should discuss GW within the context of faith

QUESTIONNAIRE TEXT: For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement: Religious leaders should discuss environmental issues, including global warming, within the context of their faith.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree
4	Strongly disagree

98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which fed_moralobligation through religion_leadersdiscuss were asked was rotated.

religion_encyc_support - Support for Pope Francis call to address climate

Support for Pope Francis call to address climate

QUESTIONNAIRE TEXT: Now I would like to ask a few questions regarding Pope Francis and his positions on the issue of climate change. This summer the Pope released an encyclical that called for action to address the threats posed by climate change. In general do you strongly support, somewhat support, somewhat oppose or strongly oppose the Pope's call to action to address climate change?

1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Don't know
99	Refused

Role
input

religion_encyc_pope_opin - How has opinion of Pope changed after his encyclical on climate

How has opinion of Pope changed after his encyclical on climate

QUESTIONNAIRE TEXT: How has the issuing of his encyclical on climate change affected your opinion of the Pope, if at all? Would you say your opinion of the Pope has:

1	Significantly improved
2	Somewhat improved
3	Somewhat worsened
4	Significantly worsened
5	No change
98	Not sure
99	Refused

Role
input

religion_encyc_belief - How has belief in GW changed from Pope encyclical

How has belief in GW changed from Pope encyclical

QUESTIONNAIRE TEXT: Which of the following best describes the impact that the Pope's encyclical on the environment has had on your thinking about global warming? Are you now...

1	More convinced
2	Less convinced
3	No change
98	Not sure
99	Refused

Role
input

fracking_heardof - How much have you heard about fracking

How much have you heard about fracking

QUESTIONNAIRE TEXT: Next I have a few questions about energy production in the United States. How much have you heard about oil and natural gas development through the use of hydraulic fracturing?

1	Nothing at all
2	A little
3	A moderate amount
4	A good amount
5	A great deal
98	Not sure
99	Refused

Role
input

fracking_support - Support for fracking in the US

Support for fracking in the US

QUESTIONNAIRE TEXT: In general, would you say that you strongly support, somewhat support, somewhat oppose, or strongly oppose the extraction of natural gas and oil in the United States through the use of hydraulic fracturing?

	1 Strongly support
	2 Somewhat support
	3 Somewhat oppose
	4 Strongly oppose
	98 Don't know
	99 Refused

Role
input

fracking_effect_economy - Fracking effect: the economy

Fracking effect: the economy

QUESTIONNAIRE TEXT: For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect: The Economy

	1 Positive effect
	2 Negative effect
	3 No effect
	98 Not sure
	99 Refused

Role
input

CODEBOOK NOTE:

The order in which fracking_effect_economy through fracking_effect_environment were asked was rotated.

fracking_effect_pubhealth - Fracking effect: public health

Fracking effect: public health

QUESTIONNAIRE TEXT: For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect: Public Health

	1 Positive effect
	2 Negative effect
	3 No effect
	98 Not sure
	99 Refused

Role
input

CODEBOOK NOTE:

The order in which fracking_effect_economy through fracking_effect_environment were asked was rotated

fracking_effect_environment - Fracking effect: the environment

Fracking effect: the environment

QUESTIONNAIRE TEXT: For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect: The Environment

1	Positive effect
2	Negative effect
3	No effect
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The order in which fracking_effect_economy through fracking_effect_environment were asked was rotated

fracking_risks - Do experts think fracking risks are high or low, or are experts divided

Do experts think fracking risks are high or low, or are experts divided

QUESTIONNAIRE TEXT: Now please tell me which of the following statements comes closest to your views? Most experts agree that the risks associated with hydraulic fracking are high; Most experts agree that the risks associated with hydraulic fracking are low; Most experts are divided on whether hydraulic fracking poses any risk.

1	Most experts agree that risk are high
2	Most experts agree that risks are low
3	Most experts are divided on risk
98	Don't know
99	Refused

Role
input

fracking_posnegterm - Do you consider fracking a positive or negative term

Do you consider fracking a positive or negative term

QUESTIONNAIRE TEXT: In general when you hear the word “fracking” do you consider it a positive or negative term?

	1 Positive
	2 Negative
	3 Neutral
	98 Not sure
	99 Refused

Role
input

demog_race - Race

Race

QUESTIONNAIRE TEXT: Finally a few questions about yourself. Which of the following categories best describes your racial identity? Are you...

	1 White/Caucasian
	2 African-American
	3 Hispanic
	4 Latino
	5 Asian
	6 Native American
	7 Mixed race
	8 Other
	9 Hispanic/Latino
	10 Mixed race and other

Role
input

CODEBOOK NOTE:

In order to protect respondent confidentiality, CLOSUP recoded demog_race as follows:

- 3 “Hispanic” and 4 “Latino” were combined into 9 “Hispanic/Latino”
- 6 “Native American”, 7 “Mixed race”, and 8 “Other” were combined into 10 “Mixed race and other”.

The original values of demog_race are not available to secondary data users.

demog_relig - Religious affiliation

Religious affiliation

QUESTIONNAIRE TEXT: Which of the following categories best describes your religious affiliation? Are you...

1	Protestant
2	Catholic
3	Jewish
4	Muslim
5	Hindu
6	Other
7	Atheist
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

In order to protect respondent confidentiality, CLOSUP recoded demog_relig by recoding responses 4 “Muslim” and 5 “Hindu” into 6 “Other”.

The original values of demog_relig are not available to secondary data users.

demog_relig_evang - Religious affiliation: evangelical Christian

Religious affiliation: evangelical Christian

QUESTIONNAIRE TEXT: Would you describe yourself as an evangelical Christian?

-9	Not asked - not applicable
1	Yes
2	No
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

not asked unless demog_relig=1

demog_edu - Highest level of education

Highest level of education

QUESTIONNAIRE TEXT: What is your highest level of education?

1	Less than HS graduate
2	HS Graduate
3	Some college or technical school
4	College graduate
5	Grad or professional degree
98	Not sure
99	Refused

Role
input

demog_news - Primary source for national & world news

Primary source for national & world news

QUESTIONNAIRE TEXT: Which of the following is your primary source for national and world news?

1	Television
2	Newspapers
3	Talk radio programs
4	Radio news programs
5	The internet
6	Other
98	Not sure
99	Refused

Role
input

science_trust - How much do you trust scientists as a source of information about GW

How much do you trust scientists as a source of information about GW

QUESTIONNAIRE TEXT: How much do you trust or distrust scientists as a source of information about global warming? Do you strongly trust, somewhat trust, somewhat distrust or strongly distrust scientists as a source of information about global warming?

1	Strongly trust
2	Somewhat trust
3	Somewhat distrust

4	Strongly distrust
98	Not sure
99	Refused

Role
input

gw_knowledge - How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?

How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?

QUESTIONNAIRE TEXT: How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?

1	a lot
2	a little
3	very little
4	nothing
98	not sure
99	refused

Role
input

demog_polparty - Political party affiliation

Political party affiliation

QUESTIONNAIRE TEXT: Which of the following best describes your political party affiliation?

1	Democrat
2	Republican
3	Other party
4	Independent
98	Not sure
99	Refused

Role
input

demog_polviews - Political beliefs: conservative to liberal

Political beliefs: conservative to liberal

QUESTIONNAIRE TEXT: Which of the following best describes your political beliefs?

1	Very conservative
2	Somewhat conservative
3	Moderate
4	Somewhat liberal
5	Very liberal
98	Not sure
99	Refused

Role
input

demog_income - Family income

Family income

QUESTIONNAIRE TEXT: Which of the following categories best describes your family income? Is it...

1	Less than 20,000
2	20,000-40,000
3	40,000-60,000
4	60,000 - 80,000
5	80,000-100,000
6	Over 100,000
98	Not sure
99	Refused

Role
input

demog_gender - Gender: not asked; assessed by interviewer

Gender: not asked; assessed by interviewer

1	Male
2	Female
98	Not sure
99	Refused

Role
input

weight - Overall Weight

Overall Weight

Type
Numeric

Numeric Type
Double

Decimal Positions
2

Role
input

CODEBOOK NOTE:

The data has been weighted by age, race, educational attainment, income and gender to reflect 2013 population parameters for these factors provided by the United States Census Bureau.

National Surveys on Energy and the Environment (NSEE)
Fall 2015
Draft INSTRUMENT-FINAL

Hello. My name is _____ and I'm a student at Muhlenberg College. We are conducting a research project regarding environmental issues in the United States. Would you be able to help us by answering a few questions?

Yes.....1
No.....2 (Thank and terminate)
Not sure.....98 (Thank and terminate)
Refused.....99 (Thank and terminate)

Q1. Thank you. In which category does your current age fall? (READ LIST)

18-34.....1
35-49.....2
50-64.....3
65 and older.....4
Not Sure (Volunteered).....98
Refused (Volunteered).....99

Q2. What state do you currently reside in?

(OPEN) _____

(SPLIT SAMPLE – Half gets Q20 here; Half gets this question after Q19)

Q20. How would you describe the weather in your area this past summer? Overall would you say it was:

A LOT warmer than usual.....1
SLIGHTLY warmer than usual.....2
SLIGHTLY cooler than usual.....3
A LOT cooler than usual.....4
Or about the same as usual?.....5
Not Sure (Volunteered).....98
Refused (Volunteered).....99

Q3. Now I would like to ask you a few questions on the issue of global warming. From what you've read and heard. Is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?

Yes.....1
No.....2 (SKIP TO Q15)
Not Sure (Volunteered).....98 (SKIP TO 20)
Refused (Volunteered).....99 (SKIP TO Q20)

Q4. How confident are you that the average temperature on earth is increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is increasing?

Very confident	1
Fairly confident	2
Not too confident	3
Not confident at all	4
Not Sure (Volunteered)	98
Refused (Volunteered)	99

Q5. Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?

Human activity	1
Natural patterns	2
A combination (Volunteered)	3
Not Sure (Volunteered)	98
Refused (Volunteered)	99

Q6. What is the primary factor that has caused you to believe that temperatures on earth are increasing?

(OPEN)_____

Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer.” First: (ROTATE)

	Very Large	Somewhat Large	Not Too Large	No Effect	Not Sure (Volunteered)	Refused (Volunteered)
Q7. Declining glaciers and polar ice throughout the globe	1	2	3	4	98	99
Q8. Warmer temperatures in your area during recent years	1	2	3	4	98	99
Q9. Computer models that indicate the earth is getting warmer	1	2	3	4	98	99
Q10. The strength of hurricanes hitting the United States	1	2	3	4	98	99
Q11. Milder winters in your area	1	2	3	4	98	99
Q12. Declining numbers of polar bears and penguins	1	2	3	4	98	99
Q13. Severe droughts in areas across the United States	1	2	3	4	98	99
Q14. Extreme weather events such as major storms and floods	1	2	3	4	98	99

*****SKIP TO Q20 or Q21 DEPENDING ON SAMPLE VERSION*****

ONLY THOSE WHO ANSWERED “NO” IN Q3 (i.e., do not believe temperatures are increasing)

Q15. How confident are you that the average temperatures on earth are NOT increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is NOT increasing?

Very confident1
 Fairly confident2
 Not too confident.....3
 Not confident at all4
 Not Sure (Volunteered)98
 Refused (Volunteered)99

Q16. What is the primary factor that makes you believe that temperatures on earth are not increasing?

(OPEN) _____

Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is NOT occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring.”

First: **[ROTATED LIST]**

	Very Large	Somewhat Large	Not Too Large	No Effect	Not Sure (Volunteered)	Refused (Volunteered)
Q17. Your personal observations of weather in your area	1	2	3	4	98	99
Q18. Scientific evidence that disproves the existence of global warming.	1	2	3	4	98	99
Q19. Reports that climate scientists have distorted data to demonstrate that global warming is occurring.	1	2	3	4	98	99

****SPLIT SAMPLE FOR THOSE THAT WEREN'T ALREADY ASKED Q20****

Q20. How would you describe the weather in your area this past summer? Overall would you say it was:

A LOT warmer than usual	1
SLIGHTLY warmer than usual	2
SLIGHTLY cooler than usual	3
A LOT cooler than usual	4
Or about the same as usual?	5
Not Sure (Volunteered)	98
Refused (Volunteered)	99

****FULL SAMPLE RESUMES****

Now I would like to ask you a few questions about government policy designed to reduce green house gas emissions.

The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? First...

Q21. Increasing the use of wind energy in your state.

Strongly Support	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q22. Increasing the use of solar energy in your state.

Strongly Support	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q23. Increasing the use of natural gas-fired electricity generation in your state.

Strongly Support.....	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q24. Requiring increased energy efficiency standards in your state.

Strongly Support.....	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q25. Allowing businesses to buy and sell permits to release greenhouse gases to reduce greenhouse gases. This policy is commonly referred to as cap and trade.

Strongly Support.....	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q26. If a cap and trade system was to be used to reduce greenhouse gas emissions under the Clean Power Plan, would you prefer that it be done only within an individual state, by multiple states working together, or with ALL states working together.

Individual State.....	1
Multiple States.....	2
All States	3
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q27. Each state is required to adopt its own emission reduction plan under the Clean Power Plan, or have one imposed upon it by the federal government. Which approach to this federal requirement would you like YOUR state to take?

Submit a state plan	1
Let the federal government impose its own plan on your state.....	2
Or Refuse to submit a plan and sue the federal government to block the requirement.....	3
Other (Volunteered)	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q28. Research by the scientific community suggests that in order to avoid more extreme climate change some forms of fossil fuels, like coal, will need to be left in the ground. Do you support or oppose the idea of leaving some fossil fuels, like coal, in the ground in order to avoid more extreme climate change?

Support	1
Oppose.....	2
Not sure (Volunteered).....	98
Refused (Volunteered)	99

*****Q29 FIELDDED AS A SPLIT SAMPLE*****

Q29A. If it required you to pay extra money each year in order for more renewable energy to be produced, how much would you be willing to pay? Would you be willing to pay... **[READ LIST]**

Nothing each year.....	1
1 to 50 dollars per year.....	2
50 to 100 dollars a year.....	3
100 to 250 dollars a year.....	4
250 to 500 dollars a year.....	5
or over 500 dollars a year.....	6
Not sure (Volunteered).....	98
Refused (Volunteered).....	99

Q29B. If it required you to pay extra money each year in order to reduce green house gas emissions, how much would you be willing to pay? Would you be willing to pay... **[READ LIST]**

Nothing each year.....1
 1 to 50 dollars per year.....2
 50 to 100 dollars a year..... 3
 100 to 250 dollars a year.....4
 250 to 500 dollars a year.....5
 or over 500 dollars a year.....6
 Not sure (Volunteered).....98
 Refused (Volunteered).....99

For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement: First: **[ROTATED LIST]**

	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree	Not Sure (Volunteered)	Refused (Volunteered)
Q30. Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions.	1	2	3	4	98	99
Q31. That the free market cannot by itself address climate change.	1	2	3	4	98	99
Q32. My religious beliefs affect my views on how government should deal with the issue of global warming.	1	2	3	4	98	99
Q33. Religious leaders should discuss environmental issues, including global warming, within the context of their faith.	1	2	3	4	98	99

Q34. Now I would like to ask a few questions regarding Pope Francis and his positions on the issue of climate change. This summer the Pope released an encyclical that called for action to address the threats posed by climate change. In general do you strongly support, somewhat support, somewhat oppose or strongly oppose the Pope's call to action to address climate change?

Strongly Support.....	1
Somewhat Support	2
Somewhat Oppose	3
Strongly Oppose	4
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q35. How has the issuing of his encyclical on climate change affected your opinion of the Pope, if at all? Would you say your opinion of the Pope has: **[READ LIST]**

Significantly Improved.....	1
Somewhat Improved.....	2
Somewhat Worsened.....	3
Or Significantly Worsened.....	4
No Change (Volunteered)	5
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q36. Which of the following best describes the impact that the Pope's encyclical on the environment has had on your thinking about global warming? Are you now...**[READ LIST]**

More convinced that global warming is happening and we should act.....	1
Less convinced that global warming is happening and we should act.....	2
Or has the Pope's announcement not changed your thinking about global warming	3
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q37. Next I have a few questions about energy production in the United States. How much have you heard about oil and natural gas development through the use of hydraulic fracturing? **[READ LIST]**

Nothing at all	1
A little.....	2
A moderate amount	3
A good amount	4
A great deal	4
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q38. In general, would you say that you strongly support, somewhat support, somewhat oppose, or strongly oppose the extraction of natural gas and oil in the United States through the use of hydraulic fracturing?

Strongly Support.....1
 Somewhat Support2
 Somewhat Oppose3
 Strongly Oppose4
 Not sure (Volunteered).....98
 Refused (Volunteered)99

For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect. First: **[ROTATED LIST]**

	Positive Effect	Negative Effect	No Effect	Not Sure (Volunteered)	Refused (Volunteered)
Q39. The Economy	1	2	3	98	99
Q40. Public Health	1	2	3	98	99
Q41. The Environment	1	2	3	98	99

Q42. Now please tell me which of the following statements comes closest to your views? **[READ LIST]**

Most expert agree that the risks associated with hydraulic fracking are HIGH.....1
 Most expert agree that the risks associated with hydraulic fracking are LOW.....2
 Most experts are divided on whether hydraulic fracking poses any risk3
 Not sure (Volunteered).....98
 Refused (Volunteered)99

Q43. In general when you hear the word “fracking” do you consider it a positive or negative term?

Positive1
 Negative.....2
 Neutral/Neither (Volunteered)3
 Not sure (Volunteered).....98
 Refused (Volunteered)99

Q44. Finally a few questions about yourself. Which of the following categories best describes your racial identity? Are you... **[READ LIST]**

White/Caucasian.....	1
African-American.....	2
Hispanic.....	3
Latino	4
Asian.....	5
Native American.....	6
Mixed race	7
Other	8
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q45. Which of the following categories best describes your religious affiliation? Are you... **[READ LIST]**

Protestant.....	1	
Catholic	2	(SKIP TO Q47)
Jewish	3	(SKIP TO Q47)
Muslim.....	4	(SKIP TO Q47)
Hindu.....	5	(SKIP TO Q47)
Other Religion (Including agnostic).....	6	(SKIP TO Q47)
or Atheist	7	(SKIP TO Q47)
Not sure (Volunteered).....	98	(SKIP TO Q47)
Refused (Volunteered)	99	(SKIP TO Q47)

Q46. Would you describe yourself as an evangelical Christian?

Yes.....	1
No	2
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q47. What is your highest level of education? **[READ LIST]**

Less than high school graduate	1
High school graduate.....	2
Some college or technical school	3
College graduate.....	4
Graduate or professional degree.....	5
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q48. Which of the following is your primary source for national and world news? **[READ LIST]**

Television	1
Newspapers	2
Talk radio programs	3
Radio news programs	4
The internet.....	5
Other (Volunteered)	6
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q49. How much do you trust or distrust scientists as a source of information about global warming? Do you strongly trust, somewhat trust, somewhat distrust or strongly distrust scientists as a source of information about global warming?

Strongly Trust.....	1
Somewhat Trust.....	2
Somewhat Distrust	3
Strongly Distrust.....	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q50. How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?

A lot.....	1
A little.....	2
Very little.....	3
Nothing.....	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q51. Which of the following best describes your political party affiliation? **[READ LIST]**

Democrat	1
Republican	2
Other party.....	3
Independent	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

Q52. Which of the following best describes your political beliefs? **[READ LIST]**

Very Conservative	1
Somewhat Conservative	2
Moderate.....	3
Somewhat Liberal.....	4
Very Liberal	5
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q53. Which of the following categories best describes your family income? Is it... **[READ LIST]**

Less than 20,000.....	1
20,000-40,000.....	2
40,000-60,000.....	3
60,000-80,000.....	4
80,000-100,000.....	5
Over 100,000	6
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q54. Finally, what is the zip code of your current residence?

(Response) _____

Q 55. Thank you for your help with the survey. We appreciate your time. **[DO NOT ASK!]**

Male.....	1
Female	2
Not Sure	98

The National Surveys on Energy and Environment (NSEE) Fall 2015 Data Tables

[« Back to the study homepage](#)

Survey Methodology	
N	911 (353 Land Line & 558 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	September 2, 2015 - September 24, 2015
AAPOR RR3 Response Rate	12%
Data tables below are weighted by Gender, Age, Race, Income, and Education	

Table of Contents

Introduction

1. [Respondent's age](#)
2. [Respondent's place of residence](#)

Global Warming

3. [Belief in global warming](#)
4. [Confidence in belief of global warming](#)
5. [Cause of global warming](#)
6. [Factor that caused belief in global warming](#)
7. [Factors that affected view](#)
 - Declining glaciers and polar ice
 - Warmer local temperatures
 - Computer models
 - Strength of hurricanes
 - Milder local winters
 - Declining numbers of polar bears and penguins
 - Severe US draughts
 - Extreme weather events

Doubt in Global Warming

15. [Confidence in belief of no global warming](#)
16. [Factor that caused belief of no global warming](#)
17. [Factors that affected view](#)
 - Personal observations
 - Scientific evidence
 - Reports of distorted data

Weather

20. [Weather this past summer](#)

The Clean Power Plan

21. [Support or oppose your state increasing use of wind energy](#)
22. [Support or oppose your state increasing use of solar energy](#)
23. [Support or oppose your state increasing use of natural gas-fired electricity](#)
24. [Support or oppose your state requiring energy efficiency standards](#)
25. [Support or oppose your state allowing cap-and-trade](#)
26. [Cap-and-trade done at which level of government](#)
27. [Preference for your state's approach to emission reduction plan](#)

Fossil Fuel Policy

28. [Support leaving some fossil fuels in the ground](#)

Willingness to Pay Experiment

29. [Willingness to pay](#)
 - a. [For more renewable energy](#)
 - b. [To reduce greenhouse gas emissions](#)

Worldviews and Religion

30. [Agree or disagree](#)
 - [Rich countries have responsibility to reduce greenhouse gas emissions](#)
 - [Free market cannot by itself address climate change](#)
 - [Religious views affect views on how government should deal with global warming](#)
 - [Religious leaders should discuss environmental issues](#)

Pope Francis Encyclical

34. [Support or oppose Pope's call to address climate change](#)
35. [Effect of the encyclical on opinion of the Pope](#)
36. [Effect of the encyclical on belief in global warming](#)

Hydraulic Fracturing

37. [Heard about hydraulic fracturing](#)
38. [Support or oppose hydraulic fracturing](#)
39. [Effect of hydraulic fracturing on](#)
 - [The economy](#)
 - [Public health](#)
 - [The environment](#)
42. [Perception of experts' opinions of risks associated with hydraulic fracturing](#)
43. ["Fracking" as a positive or negative term](#)

Demographics

44. [Racial identity](#)
45. [Religious affiliation](#)
46. [Are you an evangelical Christian?](#)
47. [Highest level of education](#)
48. [Primary source for news](#)
49. [Trust in scientists regarding global warming](#)
50. [Knowledge about global warming](#)
51. [Political party affiliation](#)
52. [Political beliefs](#)
53. [Family income](#)
54. [Gender](#)

Hello. My name is _____ and I'm a student at Muhlenberg College. We are conducting a research

project regarding environmental issues in the United States. Would you be able to help us by answering a few questions?

Q1. Thank you. In which category does your current age fall? [READ LIST]

		Total
Thank you. In which category does your current age fall? [READ LIST]	18-29	23%
	30-44	23%
	45-64	29%
	65 and older	24%
	Refused, but stated they are 18 or over	1%
	N	911

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q2. What state do you currently reside in? [CODED INTO REGIONS]

		Total
What state do you currently reside in? [CODED INTO REGIONS]	Northeast	20%
	South	37%
	Midwest	20%
	West	22%
	N	911

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q3. Now I would like to ask you a few questions on the issue of global warming. From what you've read and heard. Is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?

		Total
Now I would like to ask you a few questions on the issue of global warming. From what you've read and heard. Is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?	Yes	70%
	No	16%
	Not Sure (Volunteered)	15%
	N	910

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q4. How confident are you that the average temperature on earth is increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is increasing?

		Total

How confident are you that the average temperature on earth is increasing? Are you very confident, fairly confident, not too confident or not confident at all that the average temperature on earth is increasing?	Very Confident	65%
	Fairly Confident	30%
	Not Too Confident	3%
	Not Confident At All	1%
	Not Sure (Volunteered)	1%
	<i>N</i>	636

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q5. Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?

		Total
Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?	Human Activity	39%
	Natural Patterns	19%
	A Combination (Volunteered)	37%
	Not Sure (Volunteered)	4%
	<i>N</i>	635

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q6. What is the primary factor that has caused you to believe that temperatures on earth are increasing? [Coded open-end response]

		Total
What is the primary factor that has caused you to believe that temperatures on earth are increasing? [Coded open-end response]	Declining Glaciers and Polar Ice	11%
	Warmer Temperatures Observed	24%
	Weather Changes	12%
	Scientific Research/Data	9%
	Media Coverage	12%
	Declining Species	<1%
	Human Activity	14%
	Natural Patterns	4%
	Not Sure/Other	15%
	<i>N</i>	637

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q7-14. Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer. [ROTATED LIST]

		Declining glaciers and polar ice throughout the globe	Warmer temperatures in your area during recent years	Computer models that indicate the earth is getting warmer	The strength of hurricanes hitting the United States	Milder winters in your area	Declining numbers of polar bears and penguins	Severe droughts in areas across the United States	Extreme weather events such as major storms and floods
Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer. [ROTATED LIST]	Very Large	59%	45%	24%	36%	23%	39%	61%	55%
	Somewhat Large	28%	32%	36%	33%	31%	29%	25%	27%
	Not Too Large	5%	13%	13%	16%	22%	11%	6%	9%
	No Effect	6%	9%	18%	11%	22%	12%	5%	7%
	Not Sure (Volunteered)	2%	1%	9%	4%	2%	9%	3%	1%
	N	637	637	637	637	637	635	637	637

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q15. How confident are you that the average temperatures on earth are not increasing? Are you very confident, fairly confident, not too confident, or not confident at all that the average temperature on earth is not increasing?

		Total
How confident are you that the average temperatures on earth are not increasing? Are you very confident, fairly confident, not too confident, or not confident at all that the average temperature on earth is not increasing?	Very Confident	49%
	Fairly Confident	42%
	Not Too Confident	3%
	Not Confident At All	5%
	Not Sure (Volunteered)	1%
	N	141

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q16. What is the primary factor that makes you believe that temperatures on earth are not increasing?
[Coded open-end response]

		Total
What is the primary factor that makes you believe that temperatures on earth are not increasing? [Coded open-end response]	Personal Observations	32%
	Natural Patterns	26%
	Not Enough Evidence	10%
	Media has Misled	5%
	Evidence Disproves	0%
	Religious Factors	0%
	Political Factors	3%
	No Particular Reason	6%
	Not Sure/Other	18%
	N	141

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q17-19. Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is not occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring.
[ROTATED LIST]

		Your personal observations of weather in your area	Scientific evidence that disproves the existence of global warming	Reports that climate scientists have distorted data to demonstrate that global warming is occurring
Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is not occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring. (Among those who said there is not solid evidence of global warming) [ROTATED LIST]	Very Large	32%	15%	32%
	Somewhat Large	19%	28%	19%
	Not Too Large	13%	15%	14%
	No Effect	34%	37%	28%
	Not Sure (Volunteered)	1%	5%	7%
	N	141	141	141

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Note: Question 20 below was asked of respondents at two different places in the survey. Sample A received this question after Question 2. Sample B received this question after Question 19.

Q20. In general how would you describe the overall weather in your area this past summer? Would you say it was: [SPLIT SAMPLE]

--	--	--	--

		Sample A	Sample B	Total
In general how would you describe the overall weather in your area this past summer? Would you say it was: [SPLIT SAMPLE]	A lot warmer than usual	33%	34%	34%
	Slightly warmer than usual	23%	23%	23%
	Slightly cooler than usual	10%	11%	11%
	A lot cooler than usual	4%	2%	3%
	About the same as usual	27%	28%	28%
	Not Sure (Volunteered)	3%	3%	3%
	N	456	453	909

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Now I would like to ask you a few questions about government policy designed to reduce green house gas emissions. The federal government has introduced a Clean Power Plan that is designed to reduce greenhouse gases from power plants. The plan lets states pick from a series of options in deciding on how to reduce power plant emissions. For each of the following policy options I read please indicate if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting that policy as a means of reducing emissions? First...

Q21. Increasing the use of wind energy in your state.

		Total
Increasing the use of wind energy in your state.	Strongly Support	59%
	Somewhat Support	22%
	Somewhat Oppose	6%
	Strongly Oppose	7%
	Not Sure (Volunteered)	8%
	N	908

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q22. Increasing the use of solar energy in your state.

		Total
Increasing the use of solar energy in your state.	Strongly Support	71%
	Somewhat Support	19%
	Somewhat Oppose	3%
	Strongly Oppose	4%
	Not Sure (Volunteered)	4%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q23. Increasing the use of natural gas-fired electricity generation in your state.

		Total
Increasing the use of natural gas-fired electricity generation in your state.	Strongly Support	32%
	Somewhat Support	29%
	Somewhat Oppose	13%
	Strongly Oppose	10%
	Not Sure (Volunteered)	16%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q24. Requiring increased energy efficiency standards in your state.

		Total
Requiring increased energy efficiency standards in your state.	Strongly Support	56%
	Somewhat Support	27%
	Somewhat Oppose	5%
	Strongly Oppose	5%
	Not Sure (Volunteered)	7%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q25. Allowing businesses to buy and sell permits to release greenhouse gases to reduce greenhouse gases. This policy is commonly referred to as cap and trade.

		Total
Allowing businesses to buy and sell permits to release greenhouse gases to reduce greenhouse gases. This policy is commonly referred to as cap and trade.	Strongly Support	12%
	Somewhat Support	19%
	Somewhat Oppose	11%
	Strongly Oppose	25%
	Not Sure (Volunteered)	34%
	N	908

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q26. If a cap and trade system was to be used to reduce greenhouse gas emissions under the Clean Power Plan, would you prefer that it be done only within an individual state, by multiple states working together, or with ALL states working together.

		Total
If a cap and trade system was to be used to reduce greenhouse gas emissions under the Clean Power Plan, would you prefer that it be done only within an individual state, by multiple states working together, or with ALL states working together.	Individual State	12%
	Multiple States	13%
	All States	54%
	Not Sure (Volunteered)	21%
	N	904

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q27. Each state is required to adopt its own emission reduction plan under the Clean Power Plan, or have one imposed upon it by the federal government. Which approach to this federal requirement would you like YOUR state to take?

		Total
Each state is required to adopt its own emission reduction plan under the Clean Power Plan, or have one imposed upon it by the federal government. Which approach to this federal requirement would you like YOUR state to take?	Submit a state plan	54%
	Let the federal government impose its own plan on your state	22%
	Refuse to submit a plan and sue the federal government to block the requirement	6%
	Other (Volunteered)	2%
	Not Sure (Volunteered)	15%
	N	910

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q28. Research by the scientific community suggests that in order to avoid more extreme climate change some forms of fossil fuels, like coal, will need to be left in the ground. Do you support or oppose the idea of leaving some fossil fuels, like coal, in the ground in order to avoid more extreme climate change?

		Total
Research by the scientific community suggests that in order to avoid more extreme climate change some forms of fossil fuels, like coal, will need to be left in the ground. Do you support or oppose the idea of leaving some fossil fuels, like coal, in the ground in order to avoid more extreme climate change?	Support	66%
	Oppose	22%
	Don't Know	12%
	N	908

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q29. If it required you to pay extra money each year in order ____, how much would you be willing to pay?

Would you be willing to pay: (READ LIST) [RANDOMIZE: SPLIT SAMPLE]

		For more renewable energy to be produced	To reduce greenhouse gas emissions
If it required you to pay extra money each year in order ____, how much would you be willing to pay? Would you be willing to pay: (READ LIST) [RANDOMIZE: SPLIT SAMPLE]	Nothing each year	37%	37%
	1 to 50 dollars per year	21%	21%
	50 to 100 dollars a year	19%	17%
	100 to 250 dollars a year	8%	7%
	250 to 500 dollars a year	2%	4%
	Over 500 dollars a year	2%	4%
	Not Sure (Volunteered)	11%	10%
	N	455	446

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q30-33. For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement. First: (Randomize)

		Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions.	That the free market cannot by itself address climate change.	My religious beliefs affect my views on how government should deal with the issue of global warming.	Religious leaders should discuss environmental issues, including global warming, within the context of their faith.
For each of the statements that I read please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree with the statement. First: (Randomize)	Strongly Agree	50%	26%	9%	14%
	Somewhat Agree	25%	37%	14%	35%
	Somewhat Disagree	5%	9%	14%	13%
	Strongly Disagree	11%	11%	59%	30%
	Not Sure (Volunteered)	9%	18%	4%	8%
	N	910	910	907	906

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q34. Now I would like to ask a few questions regarding Pope Francis and his positions on the issue of climate change. This summer the Pope released an encyclical that called for action to address the threats

posed by climate change. In general do you strongly support, somewhat support, somewhat oppose or strongly oppose the Pope's call to action to address climate change?

		Total
Now I would like to ask a few questions regarding Pope Francis and his positions on the issue of climate change. This summer the Pope released an encyclical that called for action to address the threats posed by climate change. In general do you strongly support, somewhat support, somewhat oppose or strongly oppose the Pope's call to action to address climate change?	Strongly Support	30%
	Somewhat Support	31%
	Somewhat Oppose	7%
	Strongly Oppose	14%
	Not Sure (Volunteered)	19%
	N	905

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q35. How has the issuing of his encyclical on climate change affected your opinion of the Pope, if at all? Would you say your opinion of the Pope has: (READ LIST)

		Total
How has the issuing of his encyclical on climate change affected your opinion of the Pope, if at all? Would you say your opinion of the Pope has: (READ LIST)	Significantly Improved	10%
	Somewhat Improved	17%
	Somewhat Worsened	4%
	Significantly Worsened	2%
	No Change (Volunteered)	60%
	Not Sure (Volunteered)	8%
	N	907

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Q36. Which of the following best describes the impact that the Pope's encyclical on the environment has had on your thinking about global warming? Are you now...(READ LIST)

		Total
Which of the following best describes the impact that the Pope's encyclical on the environment has had on your thinking about global warming? Are you now...(READ LIST)	More convinced that global warming is happening and we should act	15%
	Less convinced that global warming is happening and we should act	3%
	The Pope's announcement has not changed your thinking about global warming	73%
	Not Sure (Volunteered)	10%
	N	903

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q37. Next I have a few questions about energy production in the United States. How much have you heard about oil and natural gas development through the use of hydraulic fracturing? (READ LIST).

		Total
Next I have a few questions about energy production in the United States. How much have you heard about oil and natural gas development through the use of hydraulic fracturing? (READ LIST).	Nothing at all	18%
	A little	36%
	A moderate amount	17%
	A good amount	10%
	A great deal	14%
	Not Sure (Volunteered)	5%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q38. In general, would you say that you strongly support, somewhat support, somewhat oppose, or strongly oppose the extraction of natural gas and oil in the United States through the use of hydraulic fracturing?

		Total
In general, would you say that you strongly support, somewhat support, somewhat oppose, or strongly oppose the extraction of natural gas and oil in the United States through the use of hydraulic fracturing?	Strongly support	15%
	Somewhat support	20%
	Somewhat oppose	11%
	Strongly oppose	28%
	Not Sure (Volunteered)	26%
	N	909

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q39-41. For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect. First: (ROTATE)

		The Economy	Public Health	The Environment
For each of the aspects of life in the United States that I mention please indicate if you think the use of hydraulic fracturing is having a positive effect, negative effect, or no effect. First: (ROTATE)	Positive Effect	45%	8%	11%
	Negative Effect	21%	46%	53%
	No Effect	6%	18%	10%
	Not Sure (Volunteered)	27%	29%	26%
	N	909	911	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q42. Now please tell me which of the following statements comes closest to your views: (READ LIST)

		Total
Now please tell me which of the following statements comes closest to your views: (READ LIST)	Most experts agree that the risks associated with hydraulic fracking are HIGH	15%
	Most experts agree that the risks associated with hydraulic fracking are LOW	7%
	Most experts are divided on whether hydraulic fracking poses any risk	56%
	Don't Know (Volunteered)	22%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q43. In general when you hear the word “fracking” do you consider it a positive or negative term?

		Total
In general when you hear the word “fracking” do you consider it a positive or negative term?	Positive	15%
	Negative	48%
	Neutral/Neither (Volunteered)	20%
	Not Sure (Volunteered)	17%
	N	909

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Finally a few questions about yourself.**Q44. Which of the following categories best describes your racial identity? Are you [READ LIST]**

		Total
Finally a few questions about yourself. Which of the following categories best describes your racial identity? Are you [READ LIST]	White/Caucasian	65%
	African-American	13%
	Hispanic	11%
	Latino	3%
	Asian	4%

	Native American	1%
	Mixed Race	3%
	Other	2%
	<i>N</i>	907

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q45. Which of the following categories best describes your religious affiliation? Are you [READ LIST]

		Total
Which of the following categories best describes your religious affiliation? Are you [READ LIST]	Protestant	38%
	Catholic	27%
	Jewish	2%
	Muslim	1%
	Hindu	1%
	Other Religion (Including Agnostic)	25%
	Atheist	4%
	Not Sure (Volunteered)	2%
	<i>N</i>	874

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q46. Would you describe yourself as an evangelical Christian?

		Total
Would you describe yourself as an evangelical Christian? (Among those who identified as Protestant)	Yes	30%
	No	68%
	Not Sure (Volunteered)	3%
	<i>N</i>	331

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q47. What is your highest level of education? [READ LIST]

		Total
What is your highest level of education? [READ LIST]	Less Than High School Graduate	5%
	High School Graduate	24%
	Some College or Technical School	29%

	College Graduate	26%
	Graduate or Professional Degree	14%
	Not Sure (Volunteered)	<1%
	<i>N</i>	907

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q48. Which of the following is your primary source for national and world news? [READ LIST]

		Total
Which of the following is your primary source for national and world news? [READ LIST]	Television	54%
	Newspapers	7%
	Talk Radio Programs	2%
	Radio News Programs	4%
	The Internet	30%
	Other (Volunteered)	2%
	Not Sure (Volunteered)	1%
	<i>N</i>	911

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q49. How much do you trust or distrust scientists as a source of information about global warming? Do you strongly trust, somewhat trust, somewhat distrust or strongly distrust scientists as a source of information about global warming?

		Total
How much do you trust or distrust scientists as a source of information about global warming? Do you strongly trust, somewhat trust, somewhat distrust or strongly distrust scientists as a source of information about global warming?	Strongly Trust	25%
	Somewhat Trust	44%
	Somewhat Distrust	14%
	Strongly Distrust	9%
	Not Sure (Volunteered)	7%
	<i>N</i>	909

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q50. How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?

		Total
How much do you feel you know about global warming? Do you know a lot, a little, very little or nothing about global warming?	A lot	24%
	A little	60%

	Very little	12%
	Nothing	3%
	Not sure	2%
	N	910

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q51. Which of the following best describes your political party affiliation? [READ LIST]

		Total
Which of the following best describes your political party affiliation? [READ LIST]	Democrat	37%
	Republican	25%
	Other Party	4%
	Independent	30%
	Not Sure (Volunteered)	4%
	N	868

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q52. Which of the following best describes your political beliefs? [READ LIST]

		Total
Which of the following best describes your political beliefs? [READ LIST]	Very Conservative	13%
	Somewhat Conservative	20%
	Moderate	34%
	Somewhat Liberal	16%
	Very Liberal	10%
	Not Sure (Volunteered)	7%
	N	885

*Columns may not sum to 100% due to rounding within cells.

[↑ Back to the Table of Contents](#)

Q53. Which of the following categories best describes your family income? Is it [READ LIST]

		Total
Which of the following categories best describes your family income? Is it [READ LIST]	Less than 20,000	11%
	20,000 - 40,000	21%
	40,000 - 60,000	22%
	60,000 - 80,000	20%
	80,000 - 100,000	9%

	Over 100,000	14%
	Not Sure (Volunteered)	4%
	N	660

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Respondent Gender

		Total
Respondent Gender	Male	49%
	Female	51%
	N	911

**Columns may not sum to 100% due to rounding within cells.*

[↑ Back to the Table of Contents](#)

Thank you for your help with the survey. We appreciate your time.