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

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

National Surveys on Energy and Environment Public Use Datasets: Spring 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 Spring 2015 NSEE was the 14th wave in the NSEE survey program. The survey included longitudinal questions about belief in climate change, plus additional content related to state renewable portfolio standards, state cap-and-trade programs, and more.

Methodology

Survey Methodology	
N	751 (334 Land Line & 417 Cell Phone)
Margin of Error	+/- 3.6%
Fielding Dates	April 8, 2015 - April 30, 2015
AAPOR RR3 Response Rate	11%
Weighted by: Gender, Age, Race, Income, and Education	

The Spring 2015 NSEE surveyed 751 adult (age 18 or older) residents of the United States between April 8 and April 30, 2015. Respondents were interviewed in English on both landlines (334) and cell phones (417) 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 417 cell phone respondents, 293 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 751 respondents the margin of error for the surveys is $\pm 3.6\%$ 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 sample 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. 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 11%. Due to rounding, the totals provided in tables may not equal 100.

The instrument was designed by Christopher Borick of Muhlenberg College, Barry Rabe of the University of Michigan, and Erick Lachapelle of the University of Montreal. 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	Type of Sample
version	Version of Survey
Date	Date and Time of Interview
demog_age_list	Age: by category
demog_state	State of residence
Region	Region of country
weather_pastwinter	How would you describe the overall weather in your area this past winter
weather_snow	Which best describes the amount of snow in your area this past winter
weather_pastsummer_v2	How would you describe the overall weather in your area this past summer
weather_today	In general how would you describe the weather in your area today
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
weather_extremes	Is weather in the US getting more or less extreme

weather_gwimpact	How likely is it that weather in the US is influenced by GW
state_rps_v2	State govts should require set portion of electricity come from renewables
state_rps_v2_cost25	State govts should require RPS even if it costs \$25/year
state_rps_v2_cost50	State govts should require RPS even if it costs \$50/year
state_rps_knowledge	Does your state require a set portion of electricity be from renewables (RPS)
state_rps_change	Should your state increase, decrease, or not change RPS target
state_captrade_knowldg	Has your state adopted cap and trade program
state_captrade_mystate_v2	Support cap and trade in your state
state_captrade_mystate-rev4taxes	Support cap and trade in your state if revenues used to reduce taxes
state_captrade_mystate_rev4re	Support cap and trade in your state if revenues used to expand renewables
state_captrade_mystate_rev4ee	Support cap and trade in your state if revenues used to expand energy efficiency
state_captrade_mystate_rev4road	Support cap and trade in your state if revenues used for highway/bridges
state_captrade_mystate_rev4tf	Support cap and trade in your state if revenues placed in permanent (trust) fund
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
demog_polparty	Political party affiliation
demog_polviews	Political beliefs: conservative to liberal
demog_income	Family income
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- Type of Sample

Sample Type

	C Cell
	L Landline

Role
input

VERSION – Version of Survey

Q29 Version of Survey

	A Weather questions before gw_belief
	B Weather questions before weather_extremes

Role
input

CODEBOOK NOTE:

This variable indicates whether the battery of questions on weather (weather_pastwinter to weather_today) was asked before or after the questions on belief in global warming/nonbelief in global warming.

DATE – Date and Time of Interview

Date and Time of Interview

Role
input

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
98	Not sure
99	Refused

Role
input

demog_state - State of residence

State of residence

QUESTIONNAIRE TEXT: What state do you currently reside in?

Type
Text

Role
input

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_pastwinter - How would you describe the overall weather in your area this past winter

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

QUESTIONNAIRE TEXT: In general how would you describe the overall weather in your area this past winter? 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:The battery of weather questions (weather_pastwinter – weather_today) were asked as a split sample. Half of respondents were asked the question after demog_state, and the other half got the question immediately before weather_extremes. The variable VERSION shows which placement of weather_winter to weather_today applied for each respondent.

weather_snow - Which best describes the amount of snow in your area this past winter

Which best describes the amount of snow in your area this past winter

QUESTIONNAIRE TEXT: Which of the following best describes the amount of snow your area received this past winter? My area received:

1	A lot more snow than usual
2	A little more snow than usual
3	A little less snow than usual
4	A lot less snow than usual
5	About the same as usual
6	Area doesn't receive snow
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:

The battery of weather questions (weather_pastwinter – weather_today) were asked as a split sample. Half of respondents were asked the question after demog_state, and the other half got the question immediately before weather_extremes. The variable VERSION shows which placement of weather_winter to weather_today applied for each respondent.

weather_pastsummer_v2 - 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: Now thinking back to last summer how would you describe the overall weather in your area. Would you say the weather last summer 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:

The battery of weather questions (weather_pastwinter – weather_today) were asked as a split sample. Half of respondents were asked the question after demog_state, and the other half got the question immediately before weather_extremes. The variable VERSION shows which placement of weather_winter to weather_today applied for each respondent.

weather_today - In general how would you describe the overall weather in your area today

In general how would you describe the overall weather in your area today

QUESTIONNAIRE TEXT: In general how would you describe the overall weather in your area TODAY? Would you say it is:

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:

The battery of weather questions (weather_pastwinter – weather_today) were asked as a split sample. Half of respondents were asked the question after demog_state, and the other half got the question immediately before weather_extremes. The variable VERSION shows which placement of weather_winter to weather_today 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
99	Refused

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: Severe 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
99	Refused

Role

input

SKIP PATTERN:

nonbeliever_factor_open was 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

weather_extremes - Is weather in the US getting more or less extreme

Is weather in the US getting more or less extreme

QUESTIONNAIRE TEXT: Now thinking about weather across the country, would you say weather in the US has been getting more extreme, less extreme or about the same?

1	More extreme
2	Less extreme
3	About the same
98	Not sure
99	Refused

Role
input

weather_gwimpact - How likely is it that weather in the US is influenced by GW

How likely is it that weather in the US is influenced by GW

QUESTIONNAIRE TEXT: How likely is it that weather in the US is influenced by global warming?

	1 Very likely
	2 Somewhat likely
	3 Not likely
	4 Not likely at all
98	Not sure
99	Refused

Role
input

state_rps_v2- State govts should require set portion of electricity come from renewables

State govts should require set portion of electricity come from renewables

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements regarding energy policy. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. First, State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power.

	1 Strongly agree
	2 Somewhat agree
	3 Somewhat disagree
	4 Strongly disagree
98	Don't know
99	Refused

Role
input

state_rps_v2_cost25 - State govts should require RPS even if costs \$25/year

State govts should require RPS even if costs \$25/year

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements regarding energy policy. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree: State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 25 dollars per family per year.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree
4	Strongly disagree
98	Don't know
99	Refused

Role
input

state_rps_v2_cost50 - State govts should require RPS even if costs \$50/year

State govts should require RPS even if costs \$50/year

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements regarding energy policy. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree: State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 50 dollars per family per year.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree
4	Strongly disagree
98	Don't know
99	Refused

Role
input

state_rps_knowledge - Does your state require a set portion of electricity be from renewables (RPS)

Does your state require a set portion of electricity be from renewables (RPS)

QUESTIONNAIRE TEXT: Next, some states have required that a set portion of the electricity produced in that state should be from renewable sources such as wind or solar power. Does your state have a requirement for the production of renewable energy?

1	Yes
2	No
98	Not sure
99	Refused

Role
input

state_rps_change - Should your state increase, decrease, or not change RPS target

Should your state increase, decrease, or not change RPS target

QUESTIONNAIRE TEXT: Do you believe your state should increase, decrease or make no changes to the amount of electricity that must be produced from renewable sources such as wind or solar power?

-9	Not asked – not applicable
1	Increase
2	Decrease
3	Make no changes
98	Not sure
99	Refused

Role
input

SKIP PATTERN:

Not asked unless state_rps_knowledge=1

state_captrade_knowldg - Has your state adopted cap and trade program

Has your state adopted cap and trade program

QUESTIONNAIRE TEXT: Some states and a number of other nations have adopted a policy that requires electric utilities to sell or trade allowances tied to their emissions of greenhouse gases. These allowances can

be distributed through an auction process that may increase the cost of energy for consumers and also produce funds for government. This policy is commonly known as cap-and-trade and is intended to reduce greenhouse gas emissions. To the best of your knowledge has your state adopted such a program?

	1 Yes
	2 No
	98 Not sure
	99 Refused

Role
input

state_captrade_mystate_v2- Support cap and trade in your state

Support cap and trade in your state

QUESTIONNAIRE TEXT: Do you strongly agree, somewhat agree, somewhat disagree or strongly disagree that your state should have a cap and trade program?

	1 Strongly agree
	2 Somewhat agree
	3 Somewhat disagree
	4 Strongly disagree
	98 Don't know
	99 Refused

Role
input

state_captrade_mystate_rev4taxes - Support cap and trade in your state if revenues used to reduce taxes

Support cap and trade in your state if revenues used to reduce taxes

QUESTIONNAIRE TEXT: First, would you support a cap-and-trade program in your state if it increased energy costs but used all revenue to reduce other taxes?

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

Role
input

state_captrade_mystate_rev4re - Support cap and trade in your state if revenues used to expand renewables

Support cap and trade in your state if revenues used to expand renewables

QUESTIONNAIRE TEXT: What if a cap-and-trade program in your state increased energy costs but used all revenue to support the expanded use of renewable energy? Would you strongly support, somewhat support, somewhat oppose or strongly oppose your state adopting such a policy?

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

Role
input

state_captrade_mystate_rev4ee - Support cap and trade in your state if revenues used to expand energy efficiency

Support cap and trade in your state if revenues used to expand energy efficiency

QUESTIONNAIRE TEXT: What if a cap-and-trade program in your state increased energy costs but used all revenue to support expanded energy efficiency programs that help to reduce household electricity use? Would you strongly support, somewhat support, somewhat oppose or strongly oppose your state adopting such a policy?

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

Role
input

state_captrade_mystate_rev4road - Support cap and trade in your state if revenues used for highway/bridges

Support cap and trade in your state if revenues used for highway/bridges

QUESTIONNAIRE TEXT: What if a cap-and-trade program in your state increased energy costs but used all revenue to support highway and bridge improvements?

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

Role
input

state_captrade_mystate_rev4tf - Support cap and trade in your state if revenues placed in permanent (trust) fund

Support cap and trade in your state if revenues placed in permanent (trust) fund

QUESTIONNAIRE TEXT: And what if a cap-and-trade program in your state increased energy costs but placed all revenue into a permanent fund from which the state could take interest to address long-term state needs?

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

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

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 – Total Weight

Total

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)
Spring 2015
FINAL INSTRUMENT

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 Q3 –Q6 here; Half gets these questions after Q23)

Q3A. In general how would you describe the overall weather in your area this past winter? Would you say it was:

A LOT warmer than usual1
SLIGHTLY warmer than usual2
SLIGHTLY cooler than usual3
A LOT cooler than usual4
Or about the same as usual?5
Not Sure (Volunteered)98
Refused (Volunteered).....99

Q4A. Which of the following best describes the amount of snow your area received this past winter? My area received:

- A LOT more snow than in a usual year..... 1
- A LITTLE more snow than in a usual year..... 2
- A LITTLE less snow than in a usual year 3
- A LOT less snow than in a usual year..... 4
- About the same amount of snow as a usual year..... 5
- Or my area doesn't receive snow 6
- Not sure (Volunteered) 98
- Refused (Volunteered) 99

Q5A. Now thinking back to last summer how would you describe the overall weather in your area. Would you say the weather last summer 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

Q6A. In general how would you describe the overall weather in your area TODAY? Would you say it is:

- 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

(END SPLIT SAMPLE – ALL RESPONDENTS)

Q7. Next, 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 Q19)
- Not Sure (Volunteered) 98 (SKIP TO Q24 FOR SAMP A; Q3B FOR SAMP B)
- Refused (Volunteered) 99 (SKIP TO Q24 FOR SAMP A; Q3B FOR SAMP B)

Q8. 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

Q9. 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

Q10. 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, **[ROTATED LIST]**

	Very Large	Somewhat Large	Not Too Large	No Effect	Not Sure (Volunteered)	Refused (Volunteered)
Q11. Declining glaciers and polar ice throughout the globe	1	2	3	4	98	99
Q12. Warmer temperatures in your area during recent years	1	2	3	4	98	99
Q13. Computer models that indicate the earth is getting warmer	1	2	3	4	98	99
Q14. The strength of hurricanes hitting the United States	1	2	3	4	98	99
Q15. Milder winters in your area	1	2	3	4	98	99
Q16. Declining numbers of polar bears and penguins	1	2	3	4	98	99
Q17. Severe droughts in areas across the United States	1	2	3	4	98	99
Q18. Extreme weather events such as major storms and floods	1	2	3	4	98	99

*****SKIP TO Q24 FOR SAMP A; TO Q3B FOR SAMP B*****

ONLY THOSE WHO ANSWERED “NO” IN Q7 (i.e., do not believe temperatures are increasing)

Q19. How confident are you that the average temperature on earth is 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

Q20. 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)
Q21. Your personal observations of weather in your area	1	2	3	4	98	99
Q22. Scientific evidence that disproves the existence of global warming	1	2	3	4	98	99
Q23. Reports that climate scientists have distorted data to demonstrate that global warming is occurring	1	2	3	4	98	99

*****SKIP TO Q24 FOR SAMPLE A; SAMPLE B CONTINUES WITH Q3B*****

Q3B. In general how would you describe the overall weather in your area this past winter? Would you say it was:

A LOT warmer than usual1
 SLIGHTLY warmer than usual2
 SLIGHTLY cooler than usual3
 A LOT cooler than usual4
 Or about the same as usual?5
 Not Sure (Volunteered)98
 Refused (Volunteered).....99

Q4B. Which of the following best describes the amount of snow your area received this past winter? My area received:

A LOT more snow than in a usual year..... 1
 A LITTLE more snow than in a usual year 2
 A LITTLE less snow than in a usual year 3
 A LOT less snow than in a usual year 4
 About the same amount of snow as a usual year 5
 Or my area doesn't receive snow 6
 Not sure (Volunteered) 98
 Refused (Volunteered) 99

Q5B. Now thinking back to last summer how would you describe the overall weather in your area.
Would you say the weather last summer 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

Q6B. In general how would you describe the overall weather in your area TODAY? Would you say it is:

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*****

Q24. Now thinking about weather across the country, would you say weather in the US has been getting more extreme, less extreme or about the same?

More Extreme	1
Less Extreme	2
About the Same	3
Not sure (Volunteered)	98
Refused (Volunteered)	99

Q25. How likely is it that weather in the US is influenced by global warming?

Very likely	1
Somewhat likely	2
Not likely	3
Not at all likely	4
Not sure (Volunteered)	98
Refused (Volunteered)	99

Please identify your level of agreement with the following statements regarding energy policy. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. First,

- Q26. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power.

Strongly Agree1
 Somewhat Agree2
 Somewhat Disagree3
 Strongly Disagree4
 Not sure (Volunteered)98
 Refused (Volunteered)99

- Q27. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 25 dollars per family per year.

Strongly Agree1
 Somewhat Agree2
 Somewhat Disagree3
 Strongly Disagree4
 Not sure (Volunteered)98
 Refused (Volunteered)99

- Q28. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 50 dollars per family per year.

Strongly Agree1
 Somewhat Agree2
 Somewhat Disagree3
 Strongly Disagree4
 Not sure (Volunteered)98
 Refused (Volunteered)99

- Q29. Next, some states have required that a set portion of the electricity produced in that state should be from renewable sources such as wind or solar power. Does your state have a requirement for the production of renewable energy?

Yes1
 No2 (SKIP TO Q31)
 Not sure (Volunteered)98 (SKIP TO Q31)
 Refused (Volunteered)99 (SKIP TO Q31)

*****Only if YES in Q29*****

Q30: Do you believe your state should increase, decrease or make no changes to the amount of electricity that must be produced from renewable sources such as wind or solar power?

Increase.....	1
Decrease	2
Make no Changes	3
Not sure (Volunteered).....	98
Refused (Volunteered)	99

FULL SAMPLE

Q31. Some states and a number of other nations have adopted a policy that requires electric utilities to sell or trade allowances tied to their emissions of greenhouse gases. These allowances can be distributed through an auction process that may increase the cost of energy for consumers and also produce funds for government. This policy is commonly known as cap-and-trade and is intended to reduce greenhouse gas emissions. To the best of your knowledge has your state adopted such a program?

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

Q32. Do you strongly agree, somewhat agree, somewhat disagree or strongly disagree that your state should have a cap and trade program?

Strongly Agree	1
Somewhat Agree	2
Somewhat Disagree.....	3
Strongly Disagree.....	4
Not sure (Volunteered).....	98
Refused (Volunteered)	99

In addition to the states that already have a cap and trade program, some other states are considering such a program to comply with federal requirements to reduce greenhouse gases from power plants. There are a number of different policy options in setting up a cap and trade program, though. For each option that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose your state adopting such a policy.

Q33. First, would you support a cap-and-trade program in your state if it increased energy costs but used all revenue to reduce other taxes?

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

- Q34. What if a cap-and-trade program in your state increased energy costs but used all revenue to support the expanded use of renewable energy? Would you strongly support, somewhat support, somewhat oppose or strongly oppose your state adopting such a policy?

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

- Q35. What if a cap-and-trade program in your state increased energy costs but used all revenue to support expanded energy efficiency programs that help to reduce household electricity use? Would you strongly support, somewhat support, somewhat oppose or strongly oppose your state adopting such a policy?

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

- Q36. What if a cap-and-trade program in your state increased energy costs but used all revenue to support highway and bridge improvements?

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

- Q37. And what if a cap-and-trade program in your state increased energy costs but placed all revenue into a permanent fund from which the state could take interest to address long-term state needs?

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

Q38. 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

Q39. Which of the following categories best describes your religious affiliation? Are you... **[READ LIST]**

Protestant	1	
Catholic	2	(SKIP TO Q41)
Jewish	3	(SKIP TO Q41)
Muslim.....	4	(SKIP TO Q41)
Hindu	5	(SKIP TO Q41)
Other Religion (Including agnostic).....	6	(SKIP TO Q41)
or Atheist	7	(SKIP TO Q41)
Not sure (Volunteered).....	98	(SKIP TO Q41)
Refused (Volunteered)	99	(SKIP TO Q41)

Q40. Would you describe yourself as an evangelical Christian?

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

Q41. 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

Q42. 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

Q43. 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

Q44. 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

Q45. 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

Q46. What is the zip code of your current residence?

(Response) _____

Q47. 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) Spring 2015 Data Tables

[« Back to the study homepage](#)

Survey Methodology	
N	751 (334 Land Line & 417 Cell Phone)
Margin of Error	+/- 3.6%
Fielding Dates	April 8, 2015 - April 30, 2015
AAPOR RR3 Response Rate	11%
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](#)

Perceptions of Local Weather

3. [Temperatures in past winter](#)
4. [Snow amount in past winter](#)
5. [Temperatures in past summer](#)
6. [Temperature today](#)

Global Warming

7. [Belief in global warming](#)
8. [Confidence in belief of global warming](#)
9. [Cause of global warming](#)
10. [Factor that caused belief in global warming](#)
11. [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

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

Perceptions of US Weather

- 24. US weather extremes
- 25. Influence of global warming on US weather

State Renewable Portfolio Standards

- 26. States should require renewable energy
- 27. Even if it increases costs by \$25
- 28. Even if it increases costs by \$50
- 29. Knowledge of state renewable energy requirements
- 30. Changes to state's renewable energy requirement

State Cap-and-Trade

- 31. Knowledge of state cap-and-trade program
- 32. Cap-and-trade in your state generally
- 33. If revenues used to reduce taxes
- 34. If revenues used for renewable energy
- 35. If revenues used for energy efficiency programs
- 36. If revenues used for highway and bridge improvements
- 37. If revenues placed in trust fund for long-term state needs

Demographics

- 38. Racial identity
- 39. Religious affiliation
- 40. Are you an evangelical Christian?
- 41. Highest level of education
- 42. Primary source for news
- 43. Political party affiliation
- 44. Political beliefs
- 45. Family income
- 47. 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	24%
	30-44	26%
	45-64	29%
	65 and older	21%
	Refused, but stated they are 18 or over	<1%
	N	751

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

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

		Total
What state do you currently reside in? [CODED INTO REGIONS]	Northeast	19%

	South	37%
	Midwest	22%
	West	22%
	N	751

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

Note: Questions 3 through 6 below were asked of respondents at two different places in the survey. Sample A received these questions after Question 2. Sample B received these questions after Question 23.

Q3. In general how would you describe the overall weather in your area this past winter? 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 winter? Would you say it was: [SPLIT SAMPLE]	A lot warmer than usual	12%	15%	13%
	Slightly warmer than usual	17%	22%	20%
	Slightly cooler than usual	18%	19%	19%
	A lot cooler than usual	28%	24%	26%
	About the same as usual	23%	16%	20%
	Not Sure (Volunteered)	2%	4%	3%
	N	400	351	751

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

[↑ Back to the Table of Contents](#)

Q4. Which of the following best describes the amount of snow your area received this past winter? My area received: [SPLIT SAMPLE]

		Sample A	Sample B	Total
Which of the following best describes the amount of snow your area received this past winter? My area received: [SPLIT SAMPLE]	A lot more snow than usual	18%	17%	18%
	A little more snow than usual	13%	8%	10%
	A little less snow than usual	15%	13%	14%
	A lot less snow than usual	11%	11%	11%
	About the same as usual	20%	17%	18%
	Area does not receive snow	24%	32%	28%
	Not Sure (Volunteered)	1%	2%	1%
	N	399	351	750

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

[↑ Back to the Table of Contents](#)

Q5. Now thinking back to last summer how would you describe the overall weather in your area. Would you say the weather last summer was: [SPLIT SAMPLE]

		Sample A	Sample B	Total
Now thinking back to last summer how would you describe the overall weather in your area. Would you say the weather last summer was: [SPLIT SAMPLE]	A lot warmer than usual	19%	17%	18%
	Slightly warmer than usual	18%	25%	21%
	Slightly cooler than usual	15%	15%	15%
	A lot cooler than usual	6%	7%	6%
	About the same as usual	39%	32%	36%
	Not Sure (Volunteered)	4%	4%	4%
	N	400	349	749

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

[↑ Back to the Table of Contents](#)

Q6. In general how would you describe the overall weather in your area today? Would you say it is: [SPLIT SAMPLE]

		Sample A	Sample B	Total
In general how would you describe the overall weather in your area today? Would you say it is: [SPLIT SAMPLE]	A lot warmer than usual	4%	5%	5%
	Slightly warmer than usual	23%	29%	26%
	Slightly cooler than usual	22%	18%	20%
	A lot cooler than usual	7%	6%	7%
	About the same as usual	41%	41%	41%
	Not Sure (Volunteered)	1%	1%	1%
	N	401	351	752

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

[↑ Back to the Table of Contents](#)

Q7. Next, 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
Next, I would like to ask you a few questions on the issue of global	Yes	63%

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?	No	24%
	Not Sure (Volunteered)	13%
	N	749

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

[↑ Back to the Table of Contents](#)

Q8. 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? (Among those who said there is solid evidence of global warming)	Very Confident	54%
	Fairly Confident	42%
	Not Too Confident	2%
	Not Confident At All	1%
	Not Sure (Volunteered)	<1%
	N	470

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

[↑ Back to the Table of Contents](#)

Q9. 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? (Among those who said there is solid evidence of global warming)	Human Activity	47%
	Natural Patterns	18%
	A Combination (Volunteered)	27%
	Not Sure (Volunteered)	7%
	N	468

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

[↑ Back to the Table of Contents](#)

Q10. 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? (Among those who said there is solid evidence of global warming) [Coded open-end response]	Declining Glaciers and Polar Ice	9%
	Warmer Temperatures Observed	16%
	Weather Changes	17%
	Scientific Research/Data	13%
	Media Coverage	5%
	Declining Species	<1%

	Human Activity	23%
	Natural Patterns	2%
	Ocean / Sea-level Rise	<1%
	Not Sure/Other	14%
	N	458

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

[↑ Back to the Table of Contents](#)

Q11-18. 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." (Among those who said there is solid evidence of global warming) [ROTATED LIST]	Very Large	58%	34%	23%	41%	15%	30%	56%	54%
	Somewhat Large	27%	34%	30%	34%	25%	37%	32%	31%
	Not Too Large	3%	18%	11%	12%	27%	9%	6%	7%
	No Effect	8%	13%	21%	11%	31%	10%	5%	7%
	Not Sure (Volunteered)	3%	1%	15%	3%	1%	15%	2%	2%
	N	469	470	468	470	470	470	470	470

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

[↑ Back to the Table of Contents](#)

Q19. 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? (Among those who said there is not solid evidence of global warming)	Very Confident	44%
	Fairly Confident	51%
	Not Too Confident	4%
	Not Confident At All	1%
	Not Sure (Volunteered)	<1%
	N	181

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

[↑ Back to the Table of Contents](#)

Q20. 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? (Among those who said there is not solid evidence of global warming) [Coded open-end response]	Personal Observations	45%
	Natural Patterns	23%
	Not Enough Evidence	3%
	Media has Misled	<1%
	Evidence Disproves	6%
	Religious Factors	4%
	Political Factors	4%
	No Particular Reason	2%
	Not Sure/Other	12%
	N	177

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

[↑ Back to the Table of Contents](#)

Q21-23. 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	Very Large	50%	19%	27%
	Somewhat Large	26%	28%	21%
	Not Too Large	11%	15%	11%
	No Effect	13%	34%	38%
	N	177	177	177

warming is not occurring. (Among those who said there is not solid evidence of global warming) [ROTATED LIST]	Not Sure (Volunteered)	<1%	4%	3%
	N	181	181	181

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

[↑ Back to the Table of Contents](#)

Q24. Now thinking about weather across the country, would you say weather in the US has been getting more extreme, less extreme or about the same?

	Total
Now thinking about weather across the country, would you say weather in the US has been getting more extreme, less extreme or about the same?	
More Extreme	69%
Less Extreme	4%
About the Same	20%
Not Sure (Volunteered)	7%
N	751

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

[↑ Back to the Table of Contents](#)

Q25. How likely is it that weather in the US is influenced by global warming?

	Total
How likely is it that weather in the US is influenced by global warming?	
Very Likely	31%
Somewhat Likely	37%
Not Likely	13%
Not At All Likely	12%
Not Sure (Volunteered)	6%
N	751

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

[↑ Back to the Table of Contents](#)

Please identify your level of agreement with the following statements regarding energy policy. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. First,

Q26. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power.

	Total
State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power.	
Strongly Agree	42%
Somewhat Agree	30%
Somewhat Disagree	7%
Strongly Disagree	15%
Not Sure (Volunteered)	6%
N	751

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

[↑ Back to the Table of Contents](#)

Q27. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 25 dollars per family per year.

	Total
State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 25 dollars per family per year.	Strongly Agree
	Somewhat Agree
	Somewhat Disagree
	Strongly Disagree
	Not Sure (Volunteered)
	N
	751

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

[↑ Back to the Table of Contents](#)

Q28. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 50 dollars per family per year.

	Total
State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar power even if it increases the cost of electricity by about 50 dollars per family per year.	Strongly Agree
	Somewhat Agree
	Somewhat Disagree
	Strongly Disagree
	Not Sure (Volunteered)
	N
	751

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

[↑ Back to the Table of Contents](#)

Q29. Next, some states have required that a set portion of the electricity produced in that state should be from renewable sources such as wind or solar power. Does your state have a requirement for the production of renewable energy?

	Total
Next, some states have required that a set portion of the electricity produced in that state should be from renewable sources such as wind or solar power. Does your state have a requirement for the production of renewable energy?	Yes
	No
	Not Sure (Volunteered)
	N
	743

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

[↑ Back to the Table of Contents](#)

Q30. Do you believe your state should increase, decrease, or make no changes to the amount of electricity that must be produced from renewable sources such as wind or solar power?

		Total
Do you believe your state should increase, decrease, or make no changes to the amount of electricity that must be produced from renewable sources such as wind or solar power? (Among those who said their state has a requirement for the production of renewable energy)	Increase	66%
	Decrease	2%
	Make No Changes	20%
	Not Sure (Volunteered)	12%
	N	76

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

[↑ Back to the Table of Contents](#)

Q31. Some states and a number of other nations have adopted a policy that requires electric utilities to sell or trade allowances tied to their emissions of greenhouse gases. These allowances can be distributed through an auction process that may increase the cost of energy for consumers and also produce funds for government. This policy is commonly known as cap-and-trade and is intended to reduce greenhouse gas emissions. To the best of your knowledge has your state adopted such a program?

		Total
Some states and a number of other nations have adopted a policy that requires electric utilities to sell or trade allowances tied to their emissions of greenhouse gases. These allowances can be distributed through an auction process that may increase the cost of energy for consumers and also produce funds for government. This policy is commonly known as cap-and-trade and is intended to reduce greenhouse gas emissions. To the best of your knowledge has your state adopted such a program?	Yes	6%
	No	29%
	Not Sure (Volunteered)	65%
	N	749

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

[↑ Back to the Table of Contents](#)

Q32. Do you strongly agree, somewhat agree, somewhat disagree, or strongly disagree that your state should have a cap and trade program?

		Total
Do you strongly agree, somewhat agree, somewhat disagree, or strongly disagree that your state should have a cap and trade program?	Strongly Agree	14%
	Somewhat Agree	21%
	Somewhat Disagree	9%
	Strongly Disagree	18%
	Not Sure (Volunteered)	38%
	N	749

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

[↑ Back to the Table of Contents](#)

Q33. In addition to the states that already have a cap and trade program, some other states are considering such a program to comply with federal requirements to reduce greenhouse gases from power plants. There are a number of different policy options in setting up a cap and trade program, though. For each option I mention please tell me if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy.

First, would you support a cap-and-trade program in your state if it increased energy costs but used all revenue to reduce other taxes?

|--|--|

	Total
In addition to the states that already have a cap and trade program, some other states are considering such a program to comply with federal requirements to reduce greenhouse gases from power plants. There are a number of different policy options in setting up a cap and trade program, though. For each option that I mention please tell me if you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy.	Strongly Support
	13%
	Somewhat Support
	28%
	Somewhat Oppose
	12%
First, would you support a cap-and-trade program in your state if it increased energy costs but used all revenue to reduce other taxes?	Strongly Oppose
	22%
	Not Sure (Volunteered)
	26%
	N
	747

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

[↑ Back to the Table of Contents](#)

Q34. What if a cap-and-trade program in your state increased energy costs but used all revenue to support the expanded use of renewable energy? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy?

	Total
What if a cap-and-trade program in your state increased energy costs but used all revenue to support the expanded use of renewable energy? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy?	Strongly Support
	19%
	Somewhat Support
	25%
	Somewhat Oppose
	9%
	Strongly Oppose
	22%
	Not Sure (Volunteered)
	25%
	N
	747

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

[↑ Back to the Table of Contents](#)

Q35. What if a cap-and-trade program in your state increased energy costs but used all revenue to support expanded energy efficiency programs that help to reduce household electricity use? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy?

	Total
What if a cap-and-trade program in your state increased energy costs but used all revenue to support expanded energy efficiency programs that help to reduce household electricity use? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose your state adopting such a policy?	Strongly Support
	17%
	Somewhat Support
	30%
	Somewhat Oppose
	8%
	Strongly Oppose
	20%
	Not Sure (Volunteered)
	25%
	N
	747

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

[↑ Back to the Table of Contents](#)

Q36. What if a cap-and-trade program in your state increased energy costs but used all revenue to support highway and bridge improvements?

	Total
What if a cap-and-trade program in your state increased energy costs but used all revenue to support highway and bridge improvements?	Strongly Support
	9%

	Somewhat Support	24%
	Somewhat Oppose	13%
	Strongly Oppose	30%
	Not Sure (Volunteered)	24%
	N	746

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

[↑ Back to the Table of Contents](#)

Q37. And what if a cap-and-trade program in your state increased energy costs but placed all revenue into a permanent fund from which the state could take interest to address long-term state needs?

		Total
And what if a cap-and-trade program in your state increased energy costs but placed all revenue into a permanent fund from which the state could take interest to address long-term state needs?	Strongly Support	5%
	Somewhat Support	17%
	Somewhat Oppose	10%
	Strongly Oppose	43%
	Not Sure (Volunteered)	24%
	N	746

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

[↑ Back to the Table of Contents](#)

Finally a few questions about yourself.

Q38. 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	61%
	African-American	13%
	Hispanic	15%
	Latino	1%
	Asian	4%
	Native American	1%
	Mixed Race	3%
	Other	2%
	N	735

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

[↑ Back to the Table of Contents](#)

Q39. 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	42%
	Catholic	29%

	Jewish	1%
	Muslim	1%
	Hindu	1%
	Other Religion (Including Agnostic)	20%
	Atheist	4%
	Not Sure (Volunteered)	1%
	<i>N</i>	688

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

[↑ Back to the Table of Contents](#)

Q40. Would you describe yourself as an evangelical Christian?

		Total
Would you describe yourself as an evangelical Christian? (Among those who identified as Protestant)	Yes	24%
	No	72%
	Not Sure (Volunteered)	4%
	<i>N</i>	283

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

[↑ Back to the Table of Contents](#)

Q41. What is your highest level of education? [READ LIST]

		Total
What is your highest level of education? [READ LIST]	Less Than High School Graduate	6%
	High School Graduate	29%
	Some College or Technical School	29%
	College Graduate	24%
	Graduate or Professional Degree	12%
	Not Sure (Volunteered)	<1%
	<i>N</i>	744

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

[↑ Back to the Table of Contents](#)

Q42. 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	50%
	Newspapers	8%
	Talk Radio Programs	3%
	Radio News Programs	4%

	The Internet	33%
	Other (Volunteered)	2%
	Not Sure (Volunteered)	<1%
	N	749

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

[↑ Back to the Table of Contents](#)

Q43. 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	39%
	Republican	24%
	Other Party	7%
	Independent	26%
	Not Sure (Volunteered)	4%
	N	669

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

[↑ Back to the Table of Contents](#)

Q44. 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	17%
	Somewhat Conservative	16%
	Moderate	31%
	Somewhat Liberal	20%
	Very Liberal	8%
	Not Sure (Volunteered)	8%
	N	689

*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 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	13%
	20,000 - 40,000	21%
	40,000 - 60,000	23%
	60,000 - 80,000	14%
	80,000 - 100,000	9%
	Over 100,000	15%
	Not Sure (Volunteered)	5%

	N	513
--	---	-----

**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	751

**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.