User's Guide and Codebook

National Surveys on Energy and Environment (NSEE)

National Surveys on Energy and Environment Public Use Datasets:

Spring 2013

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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 2013 NSEE included longitudinal questions about belief in climate change, plus additional content related to state and federal climate policy options and more.

Methodology

Survey Methodology	
N	853 (552 Land Line & 301 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	April 1, 2013 - April 14, 2013
AAPOR RR3 Response Rate	11%
Weighted by: Gender, Age, Race, Income, and Education	

The results are based on a telephone survey of 853 adult (age 18 or older) residents of the United States between April 1 and April 14, 2013. Respondents were interviewed in English on both landlines (552) and cell phones (301) 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. 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 853 respondents the margin of error for the surveys is ±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 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%. The instrument was designed by Christopher Borick of Muhlenberg College and Barry Rabe 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
RespNum	Respondent Number
Sample	Land Line or Cell
Call_Date_Time	Date and time of interview
version_willing2pay	Version of willing2pay asked
demog_age_open_coded	Age: open-ended - Coded
demog_state	State of residence
demog_state_region	States coded to regions
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_problem	Is global warming a serious problem
believer_immediacy	Does global warming require immediate government action
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
gw_noevidence	Not enough scientific evidence to support claims that the earth is warming
gw_scioverstate	Scientists overstating evidence about GW for their own interests
gw_mediaoverstate	The media is overstating the evidence about global warming.
state_neighborsact	My state should not adopt anti-GW policies unless neighboring states do too
govt_nostateaction	If federal govt fails to address GW, it's my state's responsibility to act
state_impactsfelt	My state has already felt negative effects from global warming
religion_govtaction	My religious beliefs affect my views on how government should deal with GW
state_fftax	State govts should increase taxes on all fossil fuels
state_captrade	Agreement that state govts should allow cap and trade
state_rps_v1	State govts should require set portion of electricity come from renewables
state_gastax	State govts should increase gas tax

captrade_support_calif	Support for cap & trade in California
enrgysecfund_support	Support for energy Security Fund
industrial_caa_action	How should states respond to EPA using Clean Air Act to reduce industrial GHG
willing2pay_list	How much would you be willing to pay/year for more renewable energy
willing2pay_open	How much would you be willing to pay/year for more renewable energy
willing2pay_open_coded	How much would you be willing to pay/year for more renewable energy - Coded
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
totalweight	Total weight

FULL VARIABLE TEXT AND FREQUENCIES

RespNum - Respondent Number

Respondent Number

Role
input

Sample - Land Line or Cell

Land Line or Cell

c	cell
l	Land

Role
input

Call_Date_Time - Date and time of interview

Date and time of interview

Type
Text

Role
input

version_willing2pay - Version of willing2pay asked

Version of willing2pay asked

A	Version A – willing2pay_list
B	Version B – willing2pay_open

Role
input

CODEBOOK NOTE:
This variable indicates which version of willing2pay, willing2pay_list or willing2pay_open the respondent was asked.

demog_age_open_coded - Age: open-ended - Coded

Age: open-ended – Coded

QUESTIONNAIRE TEXT: What is your current age?

1	18-29
2	30 - 44
3	45-64
4	65 + older
5	Refused but stated 18 or over

Role
input

CODEBOOK NOTE:
In order to protect respondent confidentiality, CLOSUP recoded the original variable demog_age_open into the categorical variable demog_age_open_coded. Original responses to demog_age_open are not available to secondary users of the data.

demog_state - State of residence

State of residence

QUESTIONNAIRE TEXT: What state do you currently reside in?

Type
Text

Role
input

demog_state_region - States coded to regions

States coded to regions

1	Northeast
2	South
3	Midwest
4	West

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

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

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

SKIP PATTERN:
Not asked unless gw_belief=1

believer_problem - Is global warming a serious problem

Is global warming a serious problem

QUESTIONNAIRE TEXT: In your view is global warming a very serious problem, somewhat serious, not too serious, or not a problem?

-9	Not asked - not applicable
1	Very serious
2	Somewhat serious
3	Not too serious
4	Not a problem
98	Not sure
99	Refused

Role
input

SKIP PATTERN:
Not asked unless gw_belief=1

believer_immediacy - Does global warming require immediate government action

Does global warming require immediate government action

QUESTIONNAIRE TEXT: Do you or do you not think global warming requires immediate government action?

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

Role
input

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
	5	Gore Documentary
	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.

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
4	Media has Misled
5	Evidence Disproves
6	Religious Factors
7	Political Factors
8	No Particular Reason
9	Not Sure/Other
98	Not sure
99	Refused

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

gw_noevidence - Not enough scientific evidence to support claims that the earth is warming

Not enough scientific evidence to support claims that the earth is warming

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. There is not enough scientific evidence to support claims that the earth is getting warmer.

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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

gw_scioverstate - Scientists overstating evidence about GW for their own interests

Scientists overstating evidence about GW for their own interests

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. Scientists are overstating evidence about global warming for their own interests.

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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

gw_mediaoverstate - The media is overstating the evidence about global warming.

The media is overstating the evidence about global warming.

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. The media is overstating the evidence about 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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

state_neighborsact - My state should not adopt anti-GW policies unless neighboring states do too

My state should not adopt anti-GW policies unless neighboring states do too

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.

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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

govt_nostateaction - If federal govt fails to address GW, it's my state's responsibility to act

If federal govt fails to address GW, it's my state's responsibility to act

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. If the federal government fails to address the issue of global warming it is my state's responsibility to address the problem.

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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

state_impactsfelt - My state has already felt negative effects from global warming

My state has already felt negative effects from global warming

QUESTIONNAIRE TEXT: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. My state has already felt negative effects from 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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction 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: Please identify your level of agreement with the following statements.   For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. 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 gw_noevidence, gw_scioverstate, gw_mediaoverstate, state_neighborsact, govt_nostateaction, state_impactsfelt, and religion_govtaction were asked was rotated.

state_fftax - State govts should increase taxes on all fossil fuels

State govts should increase taxes on all fossil fuels

QUESTIONNAIRE TEXT: There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases.   For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose the proposed ways states can reduce greenhouse gas emissions. State governments should increase taxes on all fossil fuels in order to reduce consumption.

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

Role
input

state_captrade - Agreement that state govts should allow cap and trade

Agreement that state govts should allow cap and trade

QUESTIONNAIRE TEXT: There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases.   For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose the proposed ways states can reduce greenhouse gas emissions. State governments should allow businesses to buy and sell permits to release greenhouse gases if it results in an overall decrease in emissions.

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

Role
input

state_rps_v1 - State govts should require set portion of electricity come from renewables

State govts should require set portion of electricity come from renewables

QUESTIONNAIRE TEXT: There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases.   For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose the proposed ways states can reduce greenhouse gas emissions. State governments should require a set portion of all electricity to come from renewable energy sources such as wind, solar or hydroelectric power.

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

99	Refused

Role
input

CODEBOOK NOTE:
The order in which state_fftax, state_captrade, state_rps_v1, and state_gastax were asked was rotated.

state_gastax - State govts should increase gas tax

State govts should increase gas tax

QUESTIONNAIRE TEXT: There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases.   For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose the proposed ways states can reduce greenhouse gas emissions. State governments should increase taxes on gasoline in order to reduce consumption.

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

Role
input

CODEBOOK NOTE:
The order in which state_fftax, state_captrade, state_rps_v1, and state_gastax were asked was rotated.

captrade_support_calif - Support for cap & trade in California

Support for cap & trade in California

QUESTIONNAIRE TEXT: California has begun to auction greenhouse gas allowances for large industries. Under this policy large industries can use those allowances to emit greenhouse gases to an established level or they can sell or trade those allowances to other businesses if they are able to lower emissions below the permitted level.   Do you strongly support, somewhat support, somewhat oppose or strongly oppose this policy?

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

Role
input

enrgysecfund_support - Support for energy Security Fund

Support for energy Security Fund

QUESTIONNAIRE TEXT: There is a proposal to create an Energy Security Fund. This fund would receive revenues from taxing oil and gas drilling on federal government lands. It would use the funds for alternative energy research and development. Do you strongly support, somewhat support, somewhat oppose or strongly oppose the creation of this fund?

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

Role
input

industrial_caa_action - How should states respond to EPA using Clean Air Act to reduce industrial GHG

How should states respond to EPA using Clean Air Act to reduce industrial GHG

QUESTIONNAIRE TEXT: The Environmental Protection Agency or EPA has begun to use clean air regulations to reduce large industrial sources of greenhouse gases.   These regulations are generally implemented in collaboration with states.   How should your state respond to this new federal regulation? Should they cooperate with the EPA or refuse to cooperate with the EPA on the new clean air regulations?

1	Cooperate
2	Refuse to cooperate
3	Other option (volunteered)
98	Not sure
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_open. 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_open - 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 each year?

Type
Text

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_open. The variable version_willing2pay indicates which sample a respondent belonged to. Sample A respondents are coded in willing2pay_open as blanks.

willing2pay_open_coded - How much would you be willing to pay/year for more renewable energy - Coded

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

-9	Not asked - split sample
1	Nothing
2	$1-$50 per year
3	$51-$100 per year
4	$100-$250 per year
5	$251-$500 per year
6	Over $500 per year
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Open-end responses to willing2pay_open were recoded into categories as willing2pay_open_coded. Because of the split sample, Sample A respondents are coded in willing2pay_open_coded as -9 "Not asked - split sample".

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

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

totalweight – Total weight

Representation

Numeric

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 2013
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. Your participation in the project is voluntary and your responses are confidential. 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. What is your current age? (IF REFUSED ASK IF THEY ARE OVER THE AGE OF 18 - IF SO ENTER 99)

        (OPEN) _____

Q2. What state do you currently reside in?

        (OPEN) _____

Q3. 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 Q17)
        Not Sure (Volunteered)…………98 (SKIP TO Q22)
        Refused (Volunteered)………….99 (SKIP TO Q22)

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)………………...4
        Refused (Volunteered)……………....…..5

Q6. In your view is global warming a very serious problem, somewhat serious, not too serious, or not a problem?

Very serious………………1
Somewhat serious……… 2
Not too serious……………3
Not a problem…………….4
Not Sure (Volunteered)…..8
Refused (Volunteered)…...9

Q7. Do you or do you not think global warming requires immediate government action?

Yes, it requires immediate government action…………….1
No, it does not require immediate government action……..2
Not Sure (Volunteered)……………..…………… ……. 3
Refused(Volunteered)………………………..………… 4

Q8. 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)
Q9. Declining glaciers and polar ice throughout the globe	1	2	3	4	8	9
Q10. Warmer temperatures in your area during recent years	1	2	3	4	8	9
Q11. Computer models that indicate the earth is getting warmer	1	2	3	4	8	9
Q12. The strength of hurricanes hitting the United States	1	2	3	4	8	9
Q13. Milder Winters in your area	1	2	3	4	8	9
Q14. Declining numbers of polar bears and penguins.	1	2	3	4	8	9
Q15. Severe droughts in areas across the United States.	1	2	3	4	8	9
Q16. Extreme weather events such as major storms and floods	1	2	3	4	8	9

*****************************SKIP TO Q21***************************

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

Q17. How confident are you that the average temperature 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……………………………1
> Fairly confident…………………………2
> Not too confident………………………..3
> Not confident at all……………......……..4
> Not Sure (Volunteered)……………..……98
> Refused (Volunteered)……………..…….99

Q18. 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)
Q19. Your personal observations of weather in your area	1	2	3	4	5	6
Q20. Scientific evidence that disproves the existence of global warming	1	2	3	4	5	6
Q21. Reports that climate scientists have distorted data to demonstrate that global warming is occurring	1	2	3	4	5	6

*** ALL RESPONDENTS ***

Please identify your level of agreement with the following statements. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree or strongly disagree. First, **[ROTATED LIST]**

	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree	Not Sure (Volunteered)	Refused (Volunteered)
Q22. There is not enough scientific evidence to support claims that the earth is getting warmer.	1	2	3	4	8	9
Q23. Scientists are overstating evidence about global warming for their own interests.	1	2	3	4	8	9
Q24. The media is overstating the evidence about global warming.	1	2	3	4	8	9
Q25. My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.	1	2	3	4	8	9
Q26. If the federal government fails to address the issue of global warming it is my state's responsibility to address the problem.	1	2	3	4	8	9
Q27. My state has already felt negative effects from global warming.	1	2	3	4	8	9
Q28. My religious beliefs affect my views on how government should deal with the issue of global warming.	1	2	3	4	8	9

There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases. For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose or strongly oppose the proposed ways states can reduce greenhouse gas emissions. **[ROTATED LIST]**

	Strongly Support	Somewhat Support	Somewhat Oppose	Strongly Oppose	Not Sure (Volunteered)	Refused (Volunteered)
Q29. State governments should increase taxes on all fossil fuels in order to reduce consumption.	1	2	3	4	8	9
Q30. State governments should allow businesses to buy and sell permits to release greenhouse gases if it results in an overall decrease in emissions.	1	2	3	4	8	9
Q31. State governments should require a set portion of all electricity to come from renewable energy sources such as wind, solar or hydroelectric power.	1	2	3	4	8	9
Q32. State governments should increase taxes on gasoline in order to reduce consumption.	1	2	3	4	8	9

Q33. California has begun to auction greenhouse gas allowances for large industries. Under this policy large industries can use those allowances to emit greenhouse gases to an established level or they can sell or trade those allowances to other businesses if they are able to lower emissions below the permitted level. Do you strongly support, somewhat support, somewhat oppose or strongly oppose this policy?

        Strongly support..………………….……1
        Somewhat support……..…………….…..2
        Somewhat oppose………………….……3
        Strongly oppose…………………….……4
        Not Sure (Volunteered)……………….……5
        Refused (Volunteered)…………….….…6

Q34. There is a proposal to create an Energy Security Fund.   This fund would receive revenues from taxing oil and gas drilling on federal government lands.   It would use the funds for alternative energy research and development. Do you strongly support, somewhat support, somewhat oppose or strongly oppose the creation of this fund?

> Strongly support..………………….……1
> Somewhat support……..…………….….2
> Somewhat oppose…………………..……3
> Strongly oppose…………………………4
> Not Sure (Volunteered)…………….……5
> Refused (Volunteered)…………………..6

Q35. The Environmental Protection Agency or EPA has begun to use clean air regulations to reduce large industrial sources of greenhouse gases. These regulations are generally implemented in collaboration with states. How should your state respond to this new federal regulation? Should they cooperate with the EPA or refuse to cooperate with the EPA on the new clean air regulations?

> Cooperate..………………...……1
> Refuse to Cooperate……..……..….2
> Other option (Volunteered)…….…3
> Not Sure (Volunteered)………...…4
> Refused (Volunteered)……………5

SPLIT SAMPLE

Q36A. 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
> Over 500 dollars a year……………………6
> Not Sure (Volunteered)……………..…..7
> Refused (Volunteered)……………….....8

36B. 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 each year?

> (OPEN)_____

Q37. 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)…......9
       Refused (Volunteered)…......10

Q38. Which of the following categories best describes your religious affiliation? Are you… **[READ LIST]**

       Protestant…………………………………....1
       Catholic………………………….…..2 (SKIP Q40)
       Jewish.…………………………………...3 (SKIP Q40)
       Muslim .…………………………….…..4 (SKIP Q40)
       Hindu……………………………….....5 (SKIP Q40)
       Other religion (including agnostic)………...….6 (SKIP Q40)
       Atheist.…………………………….…7 (SKIP Q40)
       Not Sure (Volunteered)…………………......8 (SKIP Q40)
       Refused (Volunteered)…………………......9 (SKIP Q40)

Q39. Would you describe yourself as an evangelical Christian?

       Yes……………………….…1
       No………………………...2
       Not Sure (Volunteered)…..3
       Refused (Volunteered)…. .4

Q40. 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)……………………………...6
       Refused (Volunteered)………………………………7

Q41. 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)………......7
Refused (Volunteered)…………....8

Q42. Which of the following best describes your political party affiliation? **[READ LIST]**

Democrat…………………....1
Republican…………….…..…2
Other party..………….….…3
Independent …………….……4
Not Sure (Volunteered)….……5
Refused (Volunteered)……..6

Q43. 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)…………………..………6
Refused (Volunteered)……………….………..7

Q44. 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) …………7
Refused (Volunteered)………..…8

Q45. What is the zip code of your current residence?

(Response) _____

Q46. Thank you for your help with the survey. We appreciate your time.

[DO NOT ASK!]
Male……………………….. 1
Female………..................…2
Not Sure …………………....3

Center for Local, State, and Urban Policy
UNIVERSITY OF MICHIGAN

The National Surveys on Energy and Environment (NSEE)
Spring 2013 Data Tables

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Survey Methodology	
N	853 (552 Land Line & 301 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	April 1, 2013 - April 14, 2013
AAPOR RR3 Response Rate	11%
Data tables below are weighted by Gender, Age, Race, Income, and Education	

Table of Contents

Introduction

Global Warming

Doubt in Global Warming

Global Warming Evidence and Policy Response

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. Your participation in the project is voluntary and your responses are confidential. 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	13%
	30-44	25%
	45-64	36%
	65 and older	25%
	Refused, but stated they are 18 or over	<1%
	N	853

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

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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	35%

		Total
	Midwest	23%
	West	23%
	N	*853*

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

Q3. 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 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	64%
	No	22%
	Not Sure (Volunteered)	15%
	N	*852*

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

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? (Among those who said there is solid evidence of global warming)

		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	53%
	Fairly Confident	43%
	Not Too Confident	3%
	Not Confident At All	<1%
	Not Sure (Volunteered)	1%
	N	*541*

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

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? (Among those who said there is solid evidence of global warming)	Human Activity	42%
	Natural Patterns	11%
	A Combination (Volunteered)	43%
	Not Sure (Volunteered)	3%
	N	*541*

	Total

Q6. In your view is global warming a very serious problem, somewhat serious, not too serious, or not a problem?

		Total
In your view is global warming a very serious problem, somewhat serious, not too serious, or not a problem? (Among those who said there is solid evidence of global warming)	Very Serious	52%
	Somewhat Serious	38%
	Not Too Serious	6%
	Not a Problem	3%
	Not Sure (Volunteered)	<1%
	N	*541*

Q7. Do you or do you not think global warming requires immediate government action?

		Total
Do you or do you not think global warming requires immediate government action? (Among those who said there is solid evidence of global warming)	Yes, it requires immediate government action	66%
	No, it does not require immediate government action	25%
	Not Sure (Volunteered)	9%
	N	*541*

Q8. 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	15%
	Warmer Temperatures Observed	17%
	Weather Changes	21%
	Scientific Research/Data	8%
	Al Gore's Documentary	1%
	Media Coverage	7%

	Total
Declining Species	<1%
Human Activity	13%
Natural Patterns	4%
Ocean / Sea-level Rise	3%
Religious Factors	<1%
Population Growth	1%
Growing Season / Plants	<1%
Not Sure/Other	10%
N	541

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

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Q9-16. 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	Very Large	53%	32%	14%	22%	21%	23%	28%	29%
	Somewhat Large	38%	42%	33%	42%	38%	51%	54%	52%
	Not Too Large	5%	18%	23%	24%	28%	10%	11%	12%
	No Effect	2%	7%	22%	10%	12%	6%	5%	6%

said there is solid evidence of global warming) [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
	Not Sure (Volunteered)	1%	1%	8%	3%	1%	10%	3%	2%
	N	541	541	541	541	541	541	541	541

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

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Q17. How confident are you that the average temperature 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 temperature 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	50%
	Fairly Confident	47%
	Not Too Confident	2%
	Not Confident At All	1%
	Not Sure (Volunteered)	0%
	N	185

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

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Q18. 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	28%
	Natural Patterns	23%
	Not Enough Evidence	7%
	Media has Misled	3%
	Evidence Disproves	7%
	Religious Factors	16%
	Political Factors	5%

	Total
No Particular Reason	1%
Not Sure/Other	9%
N	185

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

Q19-21. 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	40%	19%	19%
	Somewhat Large	36%	22%	27%
	Not Too Large	10%	14%	8%
	No Effect	14%	43%	45%
	Not Sure (Volunteered)	0%	2%	0%
	N	185	185	185

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

Q22-28. Please identify your level of agreement with the following statements. For each statement please indicate if you strongly agree, somewhat agree, somewhat disagree, or strongly disagree.

		There is not enough scientific evidence to support claims that the earth is getting warmer.	Scientists are overstating evidence about global warming for their own interests.	The media is overstating the evidence about global warming.	My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.	If the federal government fails to address the issue of global warming it is my state's responsibility to address the problem.	My state has already felt negative effects from global warming.	My religious beliefs affect my views on how government should deal with the issue of global warming.
Please identify your level of agreement with the following statements. For each statement please indicate if you strongly	Strongly Agree	15%	15%	20%	14%	24%	18%	4%
	Somewhat Agree	21%	23%	28%	23%	24%	34%	5%
	Somewhat Disagree	21%	21%	19%	20%	18%	14%	8%

agree, somewhat agree, somewhat disagree, or strongly disagree.		There is not enough scientific evidence to support claims that the earth is getting warmer.	Scientists are overstating evidence about global warming for their own interests.	The media is overstating the evidence about global warming.	My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.	If the federal government fails to address the issue of global warming it is my state's responsibility to address the problem.	My state has already felt negative effects from global warming.	My religious beliefs affect my views on how government should deal with the issue of global warming.
	Strongly Disagree	34%	33%	27%	31%	27%	21%	71%
	Not Sure (Volunteered)	9%	8%	7%	12%	7%	13%	12%
	N	853	853	853	850	848	852	821

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

Q29-32. There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases. For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose, or strongly oppose the proposed ways states can reduce greenhouse gas emissions. [ROTATED LIST]

		State governments should increase taxes on all fossil fuels in order to reduce consumption.	State governments should allow businesses to buy and sell permits to release greenhouse gases if it results in an overall decrease in emissions.	State governments should require a set portion of all electricity to come from renewable energy sources such as wind, solar, or hydroelectric power.	State governments should increase taxes on gasoline in order to reduce consumption.
There have been a number of ideas proposed for how state governments can reduce the emissions of greenhouse gases. For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose, or strongly oppose the proposed ways states can reduce greenhouse gas emissions. [ROTATED LIST]	Strongly Support	7%	17%	41%	4%
	Somewhat Support	19%	34%	34%	11%
	Somewhat Oppose	14%	10%	4%	15%
	Strongly Oppose	55%	26%	18%	68%
	Not Sure (Volunteered)	5%	14%	4%	2%
	N	853	852	853	853

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

Q33. California has begun to auction greenhouse gas allowances for large industries. Under this policy large industries can use those allowances to emit greenhouse gases to an established level or they can

sell or trade those allowances to other businesses if they are able to lower emissions below the permitted level. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose this policy?

		Total
California has begun to auction greenhouse gas allowances for large industries. Under this policy large industries can use those allowances to emit greenhouse gases to an established level or they can sell or trade those allowances to other businesses if they are able to lower emissions below the permitted level. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose this policy?	Strongly Support	16%
	Somewhat Support	33%
	Somwhat Oppose	10%
	Strongly Oppose	22%
	Not Sure (Volunteered)	20%
	N	853

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

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Q34. There is a proposal to create an Energy Security Fund. This fund would receive revenues from taxing oil and gas drilling on federal government lands. It would use the funds for alternative energy research and development. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose the creation of this fund?

		Total
There is a proposal to create an Energy Security Fund. This fund would receive revenues from taxing oil and gas drilling on federal government lands. It would use the funds for alternative energy research and development. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose the creation of this fund?	Strongly Support	26%
	Somewhat Support	38%
	Somewhat Oppose	7%
	Strongly Oppose	18%
	Not Sure (Volunteered)	10%
	N	853

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

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Q35. The Environmental Protection Agency or EPA has begun to use clean air regulations to reduce large industrial sources of greenhouse gases. These regulations are generally implemented in collaboration with states. How should your state respond to this new federal regulation? Should they cooperate with the EPA or refuse to cooperate with the EPA on the new clean air regulations?

		Total
The Environmental Protection Agency or EPA has begun to use clean air regulations to reduce large industrial sources of greenhouse gases. These regulations are generally implemented in collaboration with states. How should your state respond to this new federal regulation? Should they cooperate with the EPA or refuse to cooperate with the EPA on the new clean air regulations?	Cooperate	68%
	Refuse to Cooperate	17%
	Other Option (Volunteered)	2%
	Not Sure (Volunteered)	13%
	N	852

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

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Q36. 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? [SPLIT SAMPLE]

		[READ LIST]	[CODED OPEN-END RESPONSE]
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? [SPLIT SAMPLE]	Nothing each year	39%	46%
	1 to 50 dollars per year	20%	20%
	50 to 100 dollars a year	18%	12%
	100 to 250 dollars a year	14%	9%
	250 to 500 dollars a year	2%	4%
	Over 500 dollars a year	1%	3%
	Not Sure (Volunteered)	7%	6%
	N	416	424

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

Finally a few questions about yourself.

Q37. 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	73%
	African-American	11%
	Hispanic/Latino	8%
	Asian	3%
	Native American	1%
	Mixed Race	3%
	Other	1%
	N	847

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

Q38. 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	46%
	Catholic	27%
	Jewish	2%

		Total
	Muslim	1%
	Hindu	1%
	Other Religion (Including Agnostic)	18%
	Atheist	2%
	Not Sure (Volunteered)	2%
	N	808

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

Q39. Would you describe yourself as an evangelical Christian?

		Total
Would you describe yourself as an evangelical Christian? (Among those who identified as Protestant)	Yes	34%
	No	62%
	Not Sure (Volunteered)	4%
	N	363

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

Q40. What is your highest level of education? [READ LIST]

		Total
What is your highest level of education? [READ LIST]	Less Than High School Graduate	3%
	High School Graduate	31%
	Some College or Technical School	26%
	College Graduate	30%
	Graduate or Professional Degree	11%
	N	847

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

Q41. 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	17%
	Talk Radio Programs	3%

		Total
	Radio News Programs	3%
	The Internet	22%
	Other (Volunteered)	1%
	Not Sure (Volunteered)	1%
	N	847

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

Q42. 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	41%
	Republican	25%
	Other Party	4%
	Independent	29%
	Not Sure (Volunteered)	1%
	N	779

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

Q43. 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	18%
	Somewhat Conservative	21%
	Moderate	31%
	Somewhat Liberal	17%
	Very Liberal	11%
	Not Sure (Volunteered)	3%
	N	804

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

Q44. 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	16%
	20,000 - 40,000	27%

		Total
	40,000 - 60,000	25%
	60,000 - 80,000	13%
	80,000 - 100,000	6%
	Over 100,000	11%
	Not Sure (Volunteered)	2%
	N	545

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

Respondent Gender

		Total
Respondent Gender	Male	49%
	Female	51%
	N	852

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

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