User's Guide and Codebook

National Surveys on Energy and Environment (NSEE)

National Surveys on Energy and Environment Public Use Datasets:

Fall 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 Fall 2013 NSEE included longitudinal questions about belief in climate change, plus additional content related to international emissions reductions (the Kyoto Protocol), cap and trade, carbon taxes, impact of partisanship on support for climate policies, and more.

Methodology

Survey Methodology	
N	947 (626 Land Line & 321 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	October 3, 2013 – October 14, 2013
AAPOR RR3 Response Rate	12%
Weighted by: Gender, Age, Race, Income, and Education	

The results are based on a telephone survey of 947 adult (age 18 or older) residents of the United States between October 3 and October 14, 2013. Respondents were interviewed in English on both landlines (626) and cell phones (321) 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 947 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 12%. Due to rounding, the totals provided in tables may not equal 100. 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

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	Type of Sample
DATE	Date and Time of Interview
demog_age_list	Age: by category
demog_state	State of residence
demog_state_region	Regional Recode
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
gw_concern	How concerned are you about the issue of global warming
ccvsgw_concern	How concerned are you about the issue of climate change
intl_support_v2	Support for intl GHG treaty
intl_support_china_v2	Support for intl GHG treaty, even if China doesn't act
intl_kyotoknowldg	Is the US part of the Kyoto protocol
state_fftax_nocost	State govts should increase taxes on all fossil fuels
state_fftax_cost10pct	State govts should increase taxes on fossil fuels even if costs 10% more
state_captrade	Agreement that state govts should allow cap and trade
state_captrade_cost10pct	Agreement that state govts should allow cap and trade even if cost 10%
state_rps_v2	State govts should require set portion of electricity come from renewables
state_rps_v2_cost100	State govts should require RPS even if costs $100/year
state_gastax_nocost	State govts should increase gas tax
state_gastax_cost25cpg	State govts should increase gas tax even if costs 25cents/gal
captrade_knowldg	How much have you heard about cap & trade
captrade_support_v1	Support for cap & trade

captrade_cost15dol	Support for cap & trade if it raised costs by $15/month
carbontax_support	Support for reducing GHG by taxing carbon based fuels
carbontax_cost15dol	Support for carbon fuels tax if it raised costs by $15/month
carbontax_rev4research_v2	Support for carbon tax if revenues used for energy R&D
carbontax_revneutral_v2	Support for carbon tax if revenue neutral
coalfpp_support	Support for hard cap on emissions from coal-fired electricity
coalfpp_support_Obama	Support for Obama-proposed hard cap on emissions from coal-fired electricity
carbontax_partisan1	Carbon tax experiment: Neutral
carbontax_partisan2	Carbon tax experiment: Democrats proposed, Republicans oppose
carbontax_partisan3	Carbon tax experiment: Republicans proposed, Democrats oppose
carbontax_partisan4	Carbon tax experiment: Neutral proposed, Democrats oppose
carbontax_partisan5	Carbon tax experiment: Neutral proposed, Republicans oppose
carbontax_partisan_support	Carbon tax experiment: Strength of support follow-up
carbontax_partisan_oppose	Carbon tax experiment: Strength of opposition follow-up
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
govt_nostateaction	If federal govt fails to address GW, it's my state's responsibility to act
state_rps_economy	State govts will boost their economies by requiring greater use of renewables
state_neighborsact	My state should not adopt anti-GW policies unless neighboring states do too
state_impactsfelt	My state has already felt negative effects from GW
fed_moralobligation	Agreement that rich countries have moral obligation to reduce GHG
pipelines_support	Support for pipelines
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_persfinance	Is personal financial situation getting better or worse
demog_income	Family income
demog_gender	Gender: not asked; assessed by interviewer
Weight	Total Weight

FULL VARIABLE TEXT AND FREQUENCIES

RespNum – Respondent Number

Respondent Number

Role
input

Sample - Sample Type

Sample Type

c	cell
l	land

Role
input

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
5	Refused but 18 or over
98	Not sure
99	Refused (terminate)

Role
input

demog_state - State of residence

State of residence

QUESTIONNAIRE TEXT: What state do you currently reside in?

Type
Text

Role
input

demog_state_region - Regional Recode

Regional Recode

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

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_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.

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
	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_concern - How concerned are you about the issue of global warming

How concerned are you about the issue of global warming

QUESTIONNAIRE TEXT: How concerned are you about the issue of global warming? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of global warming?

-9	Not asked - split sample
1	Very concerned
2	Somewhat concerned
3	Not too concerned
4	Not concerned at all
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the concern question, gw_concern or ccvsgw_concern. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

ccvsgw_concern - How concerned are you about the issue of climate change

How concerned are you about the issue of climate change

QUESTIONNAIRE TEXT: How concerned are you about the issue of climate change? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of climate change?

-9	Not asked - split sample

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

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the concern question, gw_concern or ccvsgw_concern. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

intl_support_v2 - Support for intl GHG treaty

Support for intl GHG treaty

QUESTIONNAIRE TEXT: As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement? Do you strongly support, somewhat support, neither support or oppose, somewhat oppose or strongly oppose the US taking such a position?

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Neither support nor oppose
4	Somewhat oppose
5	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the intl_support question, intl_support_v2 or intl_support_china_v2. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

intl_support_china_v2 - Support for intl GHG treaty, even if China doesn't act

Support for intl GHG treaty, even if China doesn't act

QUESTIONNAIRE TEXT: As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement, even if it means doing so ahead of other countries such as China? Do you strongly support, somewhat support, neither support or oppose, somewhat oppose or strongly oppose the US taking such a position?

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Neither support nor oppose
4	Somewhat oppose
5	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the intl_support question, intl_support_v2 or intl_support_china_v2. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

intl_kyotoknowldg - Is the US part of the Kyoto protocol

Is the US part of the Kyoto protocol

QUESTIONNAIRE TEXT: Still thinking about America's international role in combating global warming, can you tell me if the US is part of the Kyoto protocol?

1	Yes
2	No
98	Not sure
99	Refused

Role
input

state_fftax_nocost - State govts should increase taxes on all fossil fuels

State govts should increase taxes on all fossil fuels

QUESTIONNAIRE TEXT: State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions.

-9	Not asked - split sample

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

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_fftax question, state_fftax_nocost or state_fftax_cost10pct. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_fftax_cost10pct - State govts should increase taxes on fossil fuels even if costs 10% more

State govts should increase taxes on fossil fuels even if costs 10% more

QUESTIONNAIRE TEXT: State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions even if it raises the cost of energy by about 10 per cent.

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Don't know
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_fftax question, state_fftax_nocost or state_fftax_cost10pct. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_captrade - Agreement that state govts should allow cap and trade

Agreement that state govts should allow cap and trade

QUESTIONNAIRE TEXT: State governments should allow businesses to buy and sell permits to release greenhouse gases

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_captrade question, state_captrade_nocost or state_captrade_cost10pct. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_captrade_cost10pct - Agreement that state govts should allow cap and trade even if cost 10%

Agreement that state govts should allow cap and trade even if cost 10%

QUESTIONNAIRE TEXT: State governments should allow businesses to buy and sell permits to release greenhouse gases even if it increases the cost of some goods by about 10 per cent

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

Respondents were asked one of two versions of the state_captrade question, state_captrade_nocost or state_captrade_cost10pct. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

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

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_rps question, state_rps_v2 or state_rps_v2_cost100. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_rps_v2_cost100 - State govts should require RPS even if costs $100/year

State govts should require RPS even if costs $100/year

QUESTIONNAIRE TEXT: State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar even if it increases the cost of electricity by about 100 dollars per year.

-9	Not asked - split sample

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

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_rps question, state_rps_v2 or state_rps_v2_cost100. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_gastax_nocost - State govts should increase gas tax

State govts should increase gas tax

QUESTIONNAIRE TEXT: State governments should increase taxes on gasoline in order to reduce greenhouse gas emissions.

	-9	Not asked - split sample
	1	Strongly support
	2	Somewhat support
	3	Somewhat oppose
	4	Strongly oppose
	98	Not sure
	99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_gastax question, state_gastax_nocost or state_gastax_cost25cpg. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

state_gastax_cost25cpg - State govts should increase gas tax even if costs 25cents/gal

State govts should increase gas tax even if costs 25cents/gal

QUESTIONNAIRE TEXT: State governments should increase taxes on gasoline in order to reduce greenhouse gas emissions even if it increases the price of gasoline by about 25 cents per gallon.

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the state_gastax question, state_gastax_nocost or state_gastax_cost25cpg. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

CODEBOOK NOTE:
The order in which the state_fftax, state_captrade, state_rps_v2, and state_gastax variables were asked was rotated.

captrade_knowldg - How much have you heard about cap & trade

How much have you heard about cap & trade

QUESTIONNAIRE TEXT: There is a proposed system called cap and trade where the government would issue permits limiting the amount of greenhouse gases companies can put out. Companies that did not use all their permits could sell them to other companies. The idea is that many companies would find ways to put out less greenhouse gases because that would be cheaper than buying permits. Have you heard a lot about this system, a little, or not at all?

1	A lot
2	A little
3	Not at all
98	Not sure
99	Refused

Role
input

captrade_support_v1 - Support for cap & trade

Support for cap & trade

QUESTIONNAIRE TEXT: Would you strongly support, somewhat support, somewhat oppose or strongly oppose this type of system?

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

Role
input

captrade_cost15dol - Support for cap & trade if it raised costs by $15/month

Support for cap & trade if it raised costs by $15/month

QUESTIONNAIRE TEXT: What if the cap and trade program significantly lowered greenhouse gases but raised your monthly energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose or strongly oppose this type of system?

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

Role
input

carbontax_support - Support for reducing GHG by taxing carbon based fuels

Support for reducing GHG by taxing carbon based fuels

QUESTIONNAIRE TEXT: Another way to lower greenhouse gas emissions would be to increase taxes on carbon based fuels such as coal, oil, gasoline and natural gas. Would you strongly support, somewhat support, somewhat oppose or strongly oppose this type of system?

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

Role
input

carbontax_cost15dol - Support for carbon fuels tax if it raised costs by $15/month

Support for carbon fuels tax if it raised costs by $15/month

QUESTIONNAIRE TEXT: What if the carbon fuels tax significantly lowered greenhouse gases but increased your energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

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

Role
input

carbontax_rev4research_v2 - Support for carbon tax if revenues used for energy R&D

Support for carbon tax if revenues used for energy R&D

QUESTIONNAIRE TEXT: And what if revenues from the tax were used to fund research and development for energy efficiency and renewable energy programs? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

	-9	Not asked - split sample
	1	Strongly support
	2	Somewhat support
	3	Somewhat oppose
	4	Strongly oppose

98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked either carbontax_rev4research or carbontax_revneutral_v2. Respondents who were asked the alternate question are coded as -9 "Not asked - split sample".

carbontax_revneutral_v2 - Support for carbon tax if revenue neutral

Support for carbon tax if revenue neutral

QUESTIONNAIRE TEXT: And what if the tax was made to be completely "revenue neutral", meaning that every dollar collected by the government would be returned in the form of a tax rebate payment made to you each year. Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked either carbontax_rev4research or carbontax_revneutral_v2. Respondents who were asked the alternate question are coded as -9 "Not asked - split sample".

coalfpp_support - Support for hard cap on emissions from coal-fired electricity

Support for hard cap on emissions from coal-fired electricity

QUESTIONNAIRE TEXT: An alternative policy would set a hard cap on emissions from coal-fired electricity. Do you strongly support, somewhat support, somewhat oppose or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change?

-9	Not asked - split sample
1	Strongly support
2	Somewhat support

3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the coalfpp_support question, coalfpp_support or coalfpp_support_Obama. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

coalfpp_support_Obama - Support for Obama-proposed hard cap on emissions from coal-fired electricity

Support for Obama-proposed hard cap on emissions from coal-fired electricity

QUESTIONNAIRE TEXT: President Obama has proposed setting a hard cap on emissions from coal-fired electricity. Do you strongly support, somewhat support, somewhat oppose or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change?

-9	Not asked - split sample
1	Strongly support
2	Somewhat support
3	Somewhat oppose
4	Strongly oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were asked one of two versions of the coalfpp_support question, coalfpp_support or coalfpp_support_Obama. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

carbontax_partisan1 - Carbon tax experiment: Neutral

Carbon tax experiment: Neutral

QUESTIONNAIRE TEXT: Some politicians have proposed policies that would increase the price of emitting carbon dioxide in the US. Other politicians do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

-9	Not asked - split sample
1	Support

2	Oppose
3	Neither support/oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of five versions of the carbontax_partisan experimental question. If a respondent was asked a different version of the question, carbontax_partisan1=-9.

carbontax_partisan2 - Carbon tax experiment: Democrats proposed, Republicans oppose

Carbon tax experiment: Democrats proposed, Republicans oppose

QUESTIONNAIRE TEXT: Some Democrats have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some Republicans do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

-9	Not asked - split sample
1	Support
2	Oppose
3	Neither support/oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of five versions of the carbontax_partisan experimental question. If a respondent was asked a different version of the question, carbontax_partisan2=-9.

carbontax_partisan3 - Carbon tax experiment: Republicans proposed, Democrats oppose

Carbon tax experiment: Republicans proposed, Democrats oppose

QUESTIONNAIRE TEXT: Some Republicans have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some Democrats do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

-9	Not asked - split sample

1	Support
2	Oppose
3	Neither support/oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of five versions of the carbontax_partisan experimental question. If a respondent was asked a different version of the question, carbontax_partisan1=-9.

carbontax_partisan4 - Carbon tax experiment: Neutral proposed, Democrats oppose

Carbon tax experiment: Neutral proposed, Democrats oppose

QUESTIONNAIRE TEXT: Some politicians have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some Democrats do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

-9	Not asked - split sample
1	Support
2	Oppose
3	Neither support/oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of five versions of the carbontax_partisan experimental question. If a respondent was asked a different version of the question, carbontax_partisan4=-9.

carbontax_partisan5 - Carbon tax experiment: Neutral proposed, Republicans oppose

Carbon tax experiment: Neutral proposed, Republicans oppose

QUESTIONNAIRE TEXT: Some politicians have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some Republicans do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

-9	Not asked - split sample
1	Support
2	Oppose
3	Neither support/oppose
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of five versions of the carbontax_partisan experimental question. If a respondent was asked a different version of the question, carbontax_partisan5=-9.

carbontax_partisan_support - Carbon tax experiment: Strength of support follow-up

Carbon tax experiment: Strength of support follow-up

QUESTIONNAIRE TEXT: And is that strongly support, support, or moderately support?

-9	Not asked - not applicable
1	Strongly support
2	Support
3	Moderately support
98	Not sure
99	Refused

Role
input

 SKIP PATTERN:
Not asked unless carbontax_partisan1=1, carbontax_partisan2=1, carbontax_partisan3=1, carbontax_partisan4=1, or carbontax_partisan5=1

carbontax_partisan_oppose - Carbon tax experiment: Strength of opposition follow-up

Carbon tax experiment: Strength of opposition follow-up

QUESTIONNAIRE TEXT: And is that strongly oppose, oppose, or moderately oppose?

-9	Not asked - not applicable
1	Strongly oppose
2	Oppose

3	Moderately oppose
98	Not sure
99	Refused

Role
input

SKIP PATTERN:
Not asked unless carbontax_partisan1=2, carbontax_partisan2=2, carbontax_partisan3=2, carbontax_partisan4=2, or carbontax_partisan5=2

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 randomly asked one of two versions of the willing2pay question, willing2pay_list or willing2pay_open. Respondents who were asked the alternate version of the question are coded 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?

Type
Text

Role
input

CODEBOOK NOTE:
Respondents were randomly asked one of two versions of the willing2pay question, willing2pay_list or willing2pay_open. Respondents who were asked the alternate version of the question are coded as -9 "Not asked - split sample".

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	$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:
Open-ended responses to willing2pay_open were recoded into the categorical variable willing2pay_open_coded.

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 govt_nostateaction, state_rps_economy, state_neighborsact, state_impactsfelt, and fed_moralobligation were asked was rotated.

state_rps_economy - State govts will boost their economies by requiring greater use of renewables

State govts will boost their economies by requiring greater use of renewables

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. State governments will boost their economies by requiring greater use of renewable energy.

	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 govt_nostateaction, state_rps_economy, state_neighborsact, state_impactsfelt, and fed_moralobligation 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 govt_nostateaction, state_rps_economy, state_neighborsact, state_impactsfelt, and fed_moralobligation were asked was rotated.

state_impactsfelt - My state has already felt negative effects from GW

My state has already felt negative effects from 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 state has already felt the negative effects 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 govt_nostateaction, state_rps_economy, state_neighborsact, state_impactsfelt, and fed_moralobligation were asked was rotated.

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

Agreement that rich countries have moral obligation to reduce GHG

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. Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions.

1	Strongly agree
2	Somewhat agree
3	Somewhat disagree

4	Strongly disagree
98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
The order in which govt_nostateaction, state_rps_economy, state_neighborsact, state_impactsfelt, and fed_moralobligation were asked was rotated.

pipelines_support - Support for pipelines

Support for pipelines

QUESTIONNAIRE TEXT: There is currently some discussion around the construction of new energy pipelines to transport oil and gas across parts of Canada and the United States. Do you strongly support, somewhat support, somewhat oppose or strongly oppose the construction of these new pipelines to transport oil and gas?

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

Role
input

demog_race - Race

Race

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

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

10	Mixed race and other

Role
input

CODEBOOK NOTE:

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

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

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

demog_relig - Religious affiliation

Religious affiliation

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

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

Role
input

CODEBOOK NOTE:

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

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

demog_relig_evang - Religious affiliation: evangelical Christian

Religious affiliation: evangelical Christian

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

-9	Not asked - not applicable
1	Yes
2	No

98	Not sure
99	Refused

Role
input

CODEBOOK NOTE:
not asked unless demog_relig=1

demog_edu - Highest level of education

Highest level of education

QUESTIONNAIRE TEXT: What is your highest level of education?

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

Role
input

demog_news - Primary source for national & world news

Primary source for national & world news

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

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

Role
input

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_persfinance - Is personal financial situation getting better or worse

Is personal financial situation getting better or worse

QUESTIONNAIRE TEXT: Over the past 12 months, would you say that your personal financial situation has been getting better, been getting worse, or stayed about the same?

1	Better
2	Worse
3	About the same

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 Weight

Type
Numeric

Numeric Type
Double

Decimal Positions

2

Role

input

CODEBOOK NOTE:

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

National Surveys on Energy and the Environment (NSEE)
Fall 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. Would you be able to help us by answering a few questions?

<div style="margin-left:2em">

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

</div>

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

<div style="margin-left:2em">

18-29……………………..1
30-44……………………..2
45-64……………………..3
or 65 and older…………...4
Refused but stated they are 18 or over ……5
Refused………………..…………….99 (Thank and terminate)

</div>

Q2. What state do you currently reside in?

<div style="margin-left:2em">

(OPEN) _____

</div>

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?

<div style="margin-left:2em">

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

</div>

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?

<div style="margin-left:2em">

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

</div>

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

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

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

> (OPEN)_____

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

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

****************************SKIP TO Q20*****************************

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

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

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

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

> (OPEN) _____

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

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

SPLIT SAMPLE – RANDOMIZE VERSIONS A and B

Q20A.   How concerned are you about the issue of **global warming**? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of global warming?

Q20B.   How concerned are you about the issue of **climate change**? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of climate change?

        Very Concerned………………1
        Somewhat Concerned………. 2
        Not too Concerned……………3
        Not Concerned at all………….4
        Not Sure (Volunteered)……...98
        Refused (Volunteered)….…...99

Q21A.   As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement? Do you strongly support, somewhat support, neither support or oppose, somewhat oppose or strongly oppose the US taking such a position?

Q21B.   As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement, **even if it means doing so ahead of other countries such as China?** Do you strongly support, somewhat support, neither support or oppose, somewhat oppose or strongly oppose the US taking such a position?

        Strongly support…………….… 1
        Somewhat support………..….2
        Neither support nor oppose..….3
        Somewhat oppose…………….4
        Strongly oppose………………5
        Not Sure (Volunteered)……..98
        Refused (Volunteered)……...99

Q22. Still thinking about America's international role in combating global warming, can you tell me if the US is part of the Kyoto protocol?

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

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.

[ROTATE Q23-26 and RANDOMIZE whether respondent gets version A or B]

Q23A. State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions.
Q23B. State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions **even if it raises the cost of energy by about 10 per cent.**

Q24A. State governments should allow businesses to buy and sell permits to release greenhouse gases
Q24B. State governments should allow businesses to buy and sell permits to release greenhouse gases **even if it increases the cost of some goods by about 10 per cent**

Q25A. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar.
Q25B. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar **even if it increases the cost of electricity by about 100 dollars per year.**

Q26A. State governments should increase taxes on gasoline in order to greenhouse gas emissions.
Q26B. State governments should increase taxes on gasoline in order to reduce greenhouse gas emissions **even if it increases the price of gasoline by about 25 cents per gallon.**

Response options for Q23-Q26
Strongly support……………. 1
Somewhat support………...….2
Somewhat oppose……………3
Strongly oppose………………4
Not Sure (Volunteered)……..98
Refused (Volunteered)………99

Q27. There is a proposed system called cap and trade where the government would issue permits
limiting the amount of greenhouse gases companies can put out. Companies that did not use all
their permits could sell them to other companies. The idea is that many companies would find
ways to put out less greenhouse gases because that would be cheaper than buying permits. Have
you heard a lot about this system, a little, or not at all?

        A lot……………………….… 1
        A little………………....….2
        Not at all……….…………..3
        Not Sure (Volunteered)……..98
        Refused (Volunteered)……...99

Q28. Would you strongly support, somewhat support, somewhat oppose or strongly oppose this type of
system?

        Strongly support…………..… 1
        Somewhat support………....…2
        Somewhat oppose…………….3
        Strongly oppose………………4
        Not Sure (Volunteered)……..98
        Refused (Volunteered)……...99

Q29. What if the cap and trade program significantly lowered greenhouse gases but raised your monthly
energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat
oppose or strongly oppose this type of system?

        Strongly support…………..… 1
        Somewhat support………....…2
        Somewhat oppose…………….3
        Strongly oppose………………4
        Not Sure (Volunteered)……..98
        Refused (Volunteered)……...99

Q30. Another way to lower greenhouse gas emissions would be to increase taxes on carbon based fuels
such as coal, oil, gasoline and natural gas. Would you strongly support, somewhat support,
somewhat oppose or strongly oppose this type of system?

        Strongly support…………..… 1
        Somewhat support………....…2
        Somewhat oppose…………….3
        Strongly oppose………………4
        Not Sure (Volunteered)……..98
        Refused (Volunteered)……...99

Q31. What if the carbon fuels tax significantly lowered greenhouse gases but increased your energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

                    Strongly support……………..… 1
                    Somewhat support………....…2
                    Somewhat oppose…………….3
                    Strongly oppose………………4
                    Not Sure (Volunteered)……..98
                    Refused (Volunteered)……...99

[SPLIT SAMPLE]
[RANDOMIZE whether respondent gets version A or B]

Q32A. And what if revenues from the tax were used to fund research and development for energy efficiency and renewable energy programs? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

Q32B. And what if the tax was made to be completely "revenue neutral", meaning that every dollar collected by the government would be returned in the form of a tax rebate payment made to you each year. Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

                    Strongly support……………..… 1
                    Somewhat support………....…2
                    Somewhat oppose…………….3
                    Strongly oppose………………4
                    Not Sure (Volunteered)……..98
                    Refused (Volunteered)……...99

Q33A. **An alternative policy** would set a hard cap on emissions from coal-fired electricity. Do you strongly support, somewhat support, somewhat oppose or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change?

Q33B. **President Obama** has proposed setting a hard cap on emissions from coal-fired electricity. Do you strongly support, somewhat support, somewhat oppose or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change?

                    Strongly support……………..… 1
                    Somewhat support………....…2
                    Somewhat oppose…………….3
                    Strongly oppose………………4
                    Not Sure (Volunteered)……..98
                    Refused (Volunteered)……...99

PARTISAN CUE EXPERIMENT
[RANDOMIZE whether respondent gets A, B, C, D, or E]

Q34A. Some **politicians** have proposed policies that would increase the price of emitting carbon dioxide in the US. Other **politicians** do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

Q34B. Some **Democrats** have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some **Republicans** do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

Q34C. Some **Republicans** have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some **Democrats** do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

Q34D. Some **politicians** have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some **Democrats** do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

Q34E. Some **politicians** have proposed policies that would increase the price of emitting carbon dioxide in the US. However, some **Republicans** do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support or oppose efforts to increase the cost of carbon pollution?

       Response options for Q34A-Q34E
              Support……………….…… 1 (GO TO Q35A)
              Oppose………………....…..2 (GO TO Q35B)
              Neither support nor oppose…..3 (SKIP TO Q36)
              Not Sure (Volunteered)……..98 (SKIP TO Q36)
              Refused (Volunteered)……...99 (SKIP TO Q36)

Q35A. And is that strongly support, support, or moderately support?

              Strong support……….….…1
              Support………………..…2
              Moderate support………..3
              Not Sure (Volunteered)....98
              Refused (Volunteered).....99

Q35B. And is that strongly oppose, oppose, or moderately oppose?

              Strong oppose……….….…1
              Oppose………………..…2
              Moderate oppose………..3
              Not Sure (Volunteered)....98
              Refused (Volunteered).....99

[SPLIT SAMPLE]
[RANDOMIZE whether respondent gets version A or B]

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)………………...…98
       Refused (Volunteered)…………………....99

Q36B. 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?

       (OPEN) _____

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)
Q37. 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	98	99
Q38. State governments will boost their economies by requiring greater use of renewable energy.	1	2	3	4	98	99
Q39. My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.	1	2	3	4	98	99
Q40. My state has already felt the negative effects of global warming.	1	2	3	4	98	99
Q41: Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions.	1	2	3	4	98	99

Q42. There is currently some discussion around the construction of new energy pipelines to transport oil and gas across parts of Canada and the United States. Do you strongly support, somewhat support, somewhat oppose or strongly oppose the construction of these new pipelines to transport oil and gas?

> Strongly support……….…. 1
> Somewhat support………...…2
> Somewhat oppose…………….3
> Strongly oppose………………4
> Not Sure (Volunteered)……..98
> Refused (Volunteered)….…..99

Q43. 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

Q44. Which of the following categories best describes your religious affiliation? Are you… **[READ LIST]**

> Protestant………………………………….....1
> Catholic………………………….…..2 (SKIP Q45)
> Jewish..………………………………....3 (SKIP Q45)
> Muslim .……………………………....4 (SKIP Q45)
> Hindu………………………………......5 (SKIP Q45)
> Other religion (including agnostic)………...…6 (SKIP Q45)
> Atheist..……………………….…7 (SKIP Q45)
> Not Sure (Volunteered)……………………....98 (SKIP Q45)
> Refused (Volunteered)………………….....99 (SKIP Q45)

Q45. Would you describe yourself as an evangelical Christian?

> Yes………………….……1
> No………………………...2
> Not Sure (Volunteered)….98
> Refused (Volunteered)…. 99

Q46. 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

Q47. 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

Q48. 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

Q49. 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

Q50. Over the past 12 months, would you say that your personal financial situation has been getting better, been getting worse, or stayed about the same?

        Better………………..………...1
        Worse……………………….…2
        About the same…………………..3
        Not Sure (Volunteered)…..……98
        Refused (Volunteered)…………99

Q51. 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

Q52. Finally, what is the zip code of your current residence?

(Response) _____

Q53. Thank you for your help with the survey. We appreciate your time.

[DO NOT ASK!]
Male……………………….. 1
Female………...................…2
Not Sure …………………...98

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

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

Survey Methodology	
N	947 (626 Land Line & 321 Cell Phone)
Margin of Error	+/- 3.5%
Fielding Dates	October 3, 2013 - October 14, 2013
AAPOR RR3 Response Rate	12%
Data tables below are weighted by Gender, Age, Race, Income, and Education	

Table of Contents

21. Support or oppose US signing international agreement
22. Knowledge of Kyoto Protocol

State Actions to Reduce Greenhouse Gas Emissions

23. Support or oppose increasing taxes on fossil fuels
24. Support or oppose cap and trade
25. Support or oppose renewable energy mandates
26. Support or oppose increasing taxes on gasoline

Cap and Trade

27. Heard of cap and trade
28. Support or oppose cap and trade
29. Support or oppose cap and trade if it increases energy costs

Carbon Tax

30. Support or oppose carbon tax
31. Support or oppose carbon tax if it increases energy costs
32. Support or oppose carbon tax depending on use of revenue

Policy Support Given Partisan Cues

33. Support or oppose new regulations on coal power
34. Partisanship impact on support or opposition for carbon pricing
35. Strength of position
    - Level of support
    - Level of opposition

Energy and Climate Policy

36. Willingness to pay for more renewable energy
37. Agree or disagree with the following statements
    - If federal government inaction, state responsibility
    - State governments will boost economy by requiring renewable energy
    - My state should not adopt policies unless neighbors do the same
    - My state has felt effects of global warming
    - Rich countries have responsibility to reduce greenhouse gas emissions
42. Support or oppose building new oil and gas pipelines

Demographics

43. Racial identity
44. Religious affiliation
45. Are you an evangelical Christian?
46. Highest level of education
47. Primary source for news
48. Political party affiliation
49. Political beliefs
50. Change in personal financial situation
51. Family income
52. 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	17%
	30-44	28%
	45-64	36%
	65 and older	19%
	Refused, but stated they are 18 or over	<1%
	N	947

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	23%
	South	33%
	Midwest	20%
	West	23%
	N	947

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	61%
	No	25%
	Not Sure (Volunteered)	14%
	N	944

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?

		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	47%
	Fairly Confident	49%
	Not Too Confident	3%

		Total
	Not Confident At All	0%
	Not Sure (Volunteered)	1%
	N	*579*

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	40%
	Natural Patterns	21%
	A Combination (Volunteered)	36%
	Not Sure (Volunteered)	3%
	N	*579*

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

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

		Total
What is the primary factor that has caused you to believe that temperatures on earth are increasing? (Among those who said there is solid evidence of global warming) [Coded open-end response]	Declining Glaciers and Polar Ice	10%
	Warmer Temperatures Observed	20%
	Weather Changes	18%
	Scientific Research/Data	10%
	Gore Documentary	<1%
	Media Coverage	7%
	Declining Species	<1%
	Human Activity	16%
	Natural Patterns	4%
	Ocean / Sea-level Rise	3%
	Religious Factors	1%
	Population Growth	2%
	Growing Season / Plants	1%
	Not Sure/Other	8%
	N	*579*

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

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

		Declining glaciers and polar ice throughout the globe	Warmer temperatures in your area during recent years	Computer models that indicate the earth is getting warmer	The strength of hurricanes hitting the United States	Milder winters in your area	Declining numbers of polar bears and penguins	Severe droughts in areas across the United States	Extreme weather events such as major storms and floods
Next I would like to read you a list of factors that may or may not have had an effect on your view that the earth is getting warmer. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that the earth is getting warmer." (Among those who said there is solid evidence of global warming) [ROTATED LIST]	Very Large	46%	40%	15%	24%	23%	27%	37%	43%
	Somewhat Large	37%	34%	32%	44%	40%	35%	49%	40%
	Not Too Large	10%	18%	26%	22%	25%	21%	9%	12%
	No Effect	5%	7%	22%	8%	11%	10%	5%	4%
	Not Sure (Volunteered)	1%	<1%	5%	2%	1%	6%	1%	<1%
	N	*579*	*579*	*579*	*579*	*579*	*579*	*579*	*579*

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

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

	Total
How confident are you that the average temperatures on earth are not increasing? Are you very confident, fairly confident, not too confident, or not confident at all that the average temperature on earth is not increasing? (Among those who said there is not solid evidence of global warming)	

Very Confident	29%
Fairly Confident	60%
Not Too Confident	5%
Not Confident At All	4%
Not Sure (Volunteered)	1%
N	235

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

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

		Total
What is the primary factor that makes you believe that temperatures on earth are not increasing? (Among those who said there is not solid evidence of global warming) [Coded open-end response]	Personal Observations	30%
	Natural Patterns	18%
	Not Enough Evidence	5%
	Media has Misled	1%
	Evidence Disproves	20%
	Religious Factors	7%
	Political Factors	6%
	No Particular Reason	2%
	Not Sure/Other	12%
	N	235

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

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

		Your personal observations of weather in your area	Scientific evidence that disproves the existence of global warming	Reports that climate scientists have distorted data to demonstrate that global warming is occurring
Next I would like to read you a list of factors that may or may not have had an effect on your view that global warming is not occurring. For each factor that I mention please indicate if it has had a very large, somewhat large, not too large, or no effect on your view that global warming is not occurring. (Among those who said	Very Large	44%	14%	33%
	Somewhat Large	31%	29%	14%
	Not Too Large	13%	17%	8%
	No Effect	12%	41%	44%

there is not solid evidence of global warming) [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
	Not Sure (Volunteered)	0%	<1%	1%
	N	235	235	235

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

Q20. How concerned are you about the issue of [global warming/climate change]? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of [X]? [SPLIT SAMPLE]

		X: Global Warming	X: Climate Change
How concerned are you about the issue of [global warming/climate change]? Are you very concerned, somewhat concerned, not too concerned, or not concerned at all about the issue of [X]? [SPLIT SAMPLE]	Very Concerned	25%	23%
	Somewhat Concerned	33%	34%
	Not Too Concerned	20%	21%
	Not Concerned At All	22%	22%
	Not Sure (Volunteered)	0%	1%
	N	477	470

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

Q21. As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement [Additional text for Sample B: even if it means doing so ahead of other countries such as China]? Do you strongly support, somewhat support, neither support or oppose, somewhat oppose, or strongly oppose the US taking such a position? [SPLIT SAMPLE]

		Sample A	Sample B
As you may already know, government leaders from around the world will meet in November to negotiate a new international agreement to limit global emissions of greenhouse gases. How much do you support the US signing onto an agreement [Additional text for Sample B: even if it means doing so ahead of other countries such as China]? Do you strongly support, somewhat support, neither support or oppose, somewhat oppose, or strongly oppose the US taking such a position? [SPLIT SAMPLE]	Strongly Support	29%	22%
	Somewhat Support	26%	30%
	Neither Support nor Oppose	22%	23%
	Somewhat Oppose	7%	6%
	Strongly Oppose	9%	11%
	Not Sure (Volunteered)	8%	8%
	N	461	486

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

Q22. Still thinking about America's international role in combating global warming, can you tell me if the US is part of the Kyoto Protocol?

		Total
Still thinking about America's international role in combating global warming, can you tell me if the US is part of the Kyoto Protocol?	Yes	17%
	No	27%
	Not Sure (Volunteered)	56%
	N	945

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

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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. [Note: Questions 23 through 26 were rotated in order and split into two samples for each question]

Q23. State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions.

[Additional text for Sample B: even if it raises the cost of energy by about 10 percent.]

		Sample A	Sample B
State governments should increase taxes on all fossil fuels in order to reduce greenhouse gas emissions [Additional text for Sample B: even if it raises the cost of energy by about 10 percent].	Strongly Support	5%	9%
	Somewhat Support	18%	14%
	Somewhat Oppose	16%	19%
	Strongly Oppose	55%	53%
	Not Sure (Volunteered)	5%	5%
	N	485	461

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

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Q24. State governments should allow businesses to buy and sell permits to release greenhouse gases.

[Additional text for Sample B: even if it increases the cost of some goods by about 10 percent.]

		Sample A	Sample B
State governments should allow businesses to buy and sell permits to release greenhouse gases [Additional text for Sample B: even if it raises the cost of some goods by about 10 percent].	Strongly Support	10%	5%
	Somewhat Support	22%	22%
	Somewhat Oppose	11%	24%
	Strongly Oppose	34%	43%
	Not Sure (Volunteered)	22%	6%

		Sample A	Sample B
	N	470	477

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

Q25. State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar.

[Additional text for Sample B: even if it increases the cost of electricity by about 100 dollars per year.]

		Sample A	Sample B
State governments should require a set portion of all electricity to come from renewable energy sources such as wind and solar [Additional text for Sample B: even if it increases the cost of electricity by about 100 dollars per year].	Strongly Support	46%	18%
	Somewhat Support	33%	27%
	Somewhat Oppose	7%	13%
	Strongly Oppose	11%	39%
	Not Sure (Volunteered)	3%	3%
	N	477	470

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

Q26. State governments should increase taxes on gasoline in order to reduce greenhouse gas emissions.

[Additional text for Sample B: even if it increases the price of gasoline by about 25 cents per gallon.]

		Sample A	Sample B
State governments should increase taxes on gasoline in order to reduce greenhouse gas emissions [Additional text for Sample B: even if it increases the price of gasoline by about 25 cents per gallon].	Strongly Support	6%	3%
	Somewhat Support	11%	8%
	Somewhat Oppose	18%	14%
	Strongly Oppose	63%	73%
	Not Sure (Volunteered)	2%	2%
	N	461	485

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

There is a proposed system called cap and trade where the government would issue permits limiting the amount of greenhouse gases companies can put out. Companies that did not use all their permits could sell them to other companies. The idea is that many companies would find ways to put out less greenhouse gases because that would be cheaper than buying permits.

Q27. Have you heard a lot about this system, a little, or not at all?

	Total

Have you heard a lot about this system, a little, or not at all?	A Lot	10%
	A Little	36%
	Not At All	48%
	Not Sure (Volunteered)	5%
	N	947

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

Q28. Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?

		Total
Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?	Strongly Support	11%
	Somewhat Support	27%
	Somewhat Oppose	14%
	Strongly Oppose	19%
	Not Sure (Volunteered)	30%
	N	946

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

Q29. What if the cap and trade program significantly lowered greenhouse gases but raised your monthly energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?

		Total
What if the cap and trade program significantly lowered greenhouse gases but raised your monthly energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?	Strongly Support	8%
	Somewhat Support	23%
	Somewhat Oppose	25%
	Strongly Oppose	34%
	Not Sure (Volunteered)	10%
	N	947

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

Q30. Another way to lower greenhouse gas emissions would be to increase taxes on carbon based fuels such as coal, oil, gasoline and natural gas. Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?

		Total
Another way to lower greenhouse gas emissions would be to increase taxes on carbon based fuels such as coal, oil, gasoline and natural gas.	Strongly Support	6%
	Somewhat Support	16%

	Total
Would you strongly support, somewhat support, somewhat oppose, or strongly oppose this type of system?	
Somewhat Oppose	24%
Strongly Oppose	46%
Not Sure (Volunteered)	8%
N	947

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

Q31. What if the carbon fuels tax significantly lowered greenhouse gases but increased your energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

		Total
What if the carbon fuels tax significantly lowered greenhouse gases but increased your energy costs by 15 dollars a month? Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?	Strongly Support	7%
	Somewhat Support	21%
	Somewhat Oppose	24%
	Strongly Oppose	44%
	Not Sure (Volunteered)	4%
	N	947

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

Q32. Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system?

		And what if revenues from the tax were used to fund research and development for energy efficiency and renewable energy programs?	And what if the tax was made to be completely "revenue neutral", meaning that every dollar collected by the government would be returned in the form of a tax rebate payment made to you each year.
Would you strongly support, somewhat support, somewhat oppose, or strongly oppose such a system? [Respondents were randomly given one of two lead-in descriptions]	Strongly Support	21%	23%
	Somewhat Support	39%	40%
	Somewhat Oppose	12%	10%
	Strongly Oppose	20%	19%
	Not Sure (Volunteered)	9%	8%
	N	486	461

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

Q33. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change?

		An alternative policy would set a hard cap on emissions from coal-fired electricity.	President Obama has proposed setting a hard cap on emissions from coal-fired electricity.
Do you strongly support, somewhat support, somewhat oppose, or strongly oppose imposing new regulations on coal-fired electricity generation to address climate change? [Respondents were randomly given one of two lead-in descriptions]	Strongly Support	9%	14%
	Somewhat Support	27%	26%
	Somewhat Oppose	18%	16%
	Strongly Oppose	26%	25%
	Not Sure (Volunteered)	20%	19%
	N	466	481

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

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Q34. Some [X] have proposed policies that would increase the price of emitting carbon dioxide in the US. [Y] do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support nor oppose efforts to increase the cost of carbon pollution?

		X: politicians Y: Other politicians	X: Democrats Y: However, some Republicans	X: Republicans Y: However, some Democrats	X: politicians Y: However, some Democrats	X: politicians Y: However, some Republicans
Some [X] have proposed policies that would increase the price of emitting carbon dioxide in the US. [Y] do not support this policy, and have called this proposal a new tax. Do you support, oppose, or neither support nor oppose efforts to increase the cost of carbon pollution? [Respondents were randomly assigned to one of five conditions.]	Support	32%	28%	23%	30%	24%
	Oppose	36%	35%	39%	29%	36%
	Neither Support Nor Oppose	23%	24%	25%	28%	22%
	Not Sure (Volunteered)	9%	13%	13%	13%	18%
	N	190	201	181	179	195

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

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Q35A. And is that strongly support, support, or moderately support?

		Total
And is that strongly support, support, or moderately support? (Among those who said "Support" in Q34)	Strongly Support	49%
	Support	34%
	Moderately Support	15%

	Total
Not Sure (Volunteered)	2%
N	258

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

Q35B. And is that strongly oppose, oppose, or moderately oppose?

		Total
And is that strongly oppose, oppose, or moderately oppose? (Among those who said "Oppose" in Q34)	Strongly Oppose	40%
	Oppose	48%
	Moderately Oppose	10%
	Not Sure (Volunteered)	1%
	N	330

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

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? 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? Would you be willing to pay: [SPLIT SAMPLE]	Nothing each year	42%	48%
	1 to 50 dollars per year	19%	16%
	50 to 100 dollars a year	16%	14%
	100 to 250 dollars a year	11%	8%
	250 to 500 dollars a year	4%	4%
	Over 500 dollars a year	1%	1%
	Not Sure (Volunteered)	6%	8%
	N	446	497

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

Q37-41. 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.	State governments will boost their economies by requiring greater use of renewable energy	My state should not adopt anti-global warming policies unless its neighboring states also adopt similar policies.	My state has already felt the negative effects of global warming	Rich countries like the US have a moral obligation to show international leadership by reducing their greenhouse gas emissions
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. [ROTATED LIST]	Strongly Agree	19%	21%	8%	15%	22%
	Somewhat Agree	31%	35%	26%	33%	35%
	Somewhat Disagree	17%	11%	27%	20%	14%
	Strongly Disagree	27%	13%	28%	23%	18%
	Not Sure (Volunteered)	6%	20%	10%	9%	11%
	N	944	944	942	947	945

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

Q42. There is currently some discussion around the construction of new energy pipelines to transport oil and gas across parts of Canada and the United States. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose the construction of these new pipelines to transport oil and gas?

		Total
There is currently some discussion around the construction of new energy pipelines to transport oil and gas across parts of Canada and the United States. Do you strongly support, somewhat support, somewhat oppose, or strongly oppose the construction of these new pipelines to transport oil and gas?	Strongly Support	28%
	Somewhat Support	34%
	Somewhat Oppose	13%
	Strongly Oppose	15%
	Not Sure (Volunteered)	10%
	N	946

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

Finally a few questions about yourself.

Q43. 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	62%
	African-American	13%
	Hispanic/Latino	16%
	Asian	3%

	Total
Native American	1%
Mixed Race	3%
Other	1%
N	*934*

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

Q44. 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	27%
	Jewish	2%
	Muslim	1%
	Hindu	1%
	Other Religion (Including Agnostic)	24%
	Atheist	1%
	Not Sure (Volunteered)	2%
	N	*888*

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

Q45. Would you describe yourself as an evangelical Christian?

		Total
Would you describe yourself as an evangelical Christian? (Among those who identified as Protestant)	Yes	23%
	No	74%
	Not Sure (Volunteered)	2%
	N	*374*

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

Q46. 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%

		Total
	Some College or Technical School	30%
	College Graduate	23%
	Graduate or Professional Degree	12%
	N	*920*

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

Q47. 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	51%
	Newspapers	18%
	Talk Radio Programs	2%
	Radio News Programs	1%
	The Internet	26%
	Other (Volunteered)	1%
	Not Sure (Volunteered)	<1%
	N	*934*

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

Q48. 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	36%
	Republican	24%
	Other Party	3%
	Independent	34%
	Not Sure (Volunteered)	2%
	N	*877*

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

Q49. 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	16%

		Total
	Somewhat Conservative	23%
	Moderate	28%
	Somewhat Liberal	19%
	Very Liberal	11%
	Not Sure (Volunteered)	3%
	N	894

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

Q50. Over the past 12 months, would you say that your personal financial situation has been getting better, been getting worse, or stayed about the same?

		Total
Over the past 12 months, would you say that your personal financial situation has been getting better, been getting worse, or stayed about the same?	Better	12%
	Worse	41%
	About the Same	45%
	Don't Know (Volunteered)	1%
	N	889

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

Q51. 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	21%
	20,000 - 40,000	32%
	40,000 - 60,000	19%
	60,000 - 80,000	11%
	80,000 - 100,000	5%
	Over 100,000	10%
	Don't Know (Volunteered)	3%
	N	629

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

Respondent Gender

	Total
	Total

Respondent Gender	Male	48%
	Female	52%
	N	947

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

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

Respondent Gender	Male	48%
	Female	52%
	N	947