

2016 Oklahoma Weather, Society and Government Survey: M-SISNet Wave 9 (Winter 2016)

n = 2,586; March 3—April 18, 2016; Median Time = 30 min

My name is Hank C. Jenkins-Smith, and I am a professor at the Center for Risk and Crisis Management at the University of Oklahoma. I am requesting that you volunteer to participate in a research study titled “Oklahoma Weather, Society and Government Survey.”

Purpose of the Research Study

The purpose of this study is to measure perceptions of weather in Oklahoma and views on government policies and societal issues, and to understand how those perceptions and views might shape Oklahomans’ uses of water and energy.

Number of Participants

Up to 7,000 people will take part in this study.

Procedures and Length of Participation

If you agree to participate in this study, you will be asked to respond to an Internet survey that should take an average of about 30 minutes to complete. You will be invited to respond to a similar Internet survey each quarter (four times per year) until May 2018.

Risks of being in the study

There are no risks associated with participation in this study.

Benefits of being in the study

There are no benefits associated with participation in this study.

Compensation

Should you complete the survey, you will receive a \$10 gift card.

Confidentiality

The records of this study will be kept private. In published reports, there will be no information included that will make it possible to identify you as a research participant. Research records will be stored securely. The data will not include any information that would make it possible to identify you. Only approved researchers will have access to the records. There are organizations that may inspect and/or copy your research records for quality assurance and data analysis. These organizations include the OU Institutional Review Board.

Voluntary Nature of the Study

The study will ask questions about your observations on current issues, including your views on extreme

weather and climatological issues such as severe thunderstorms, wind events, floods, droughts, and long-term weather patterns. In the unlikely event that any of these questions make you uncomfortable, in most cases you may skip that question and continue with the survey. In a few cases, we require responses to certain questions so that we know what to ask you in a follow-up question. You may also quit the survey at any time, should you desire to do so.

Contacts and Questions

If you have concerns or complaints about the research, I am the primary investigator conducting this study, and I can be contacted at the Center for Risk and Crisis Management at the University of Oklahoma, at (405) 325-1720 or at crcm@ou.edu. In the event of a research-related injury, contact the researcher(s). You are encouraged to contact the researcher(s) if you have any questions. If you have any questions, concerns, or complaints about the research and wish to talk to someone other than the individuals on the research team, or if you cannot reach the research team, you may contact the University of Oklahoma – Norman Campus Institutional Review Board (OU-NC IRB) at (405) 325-8110 or irb@ou.edu.

consent: Do you agree to participate in this study?
[DROPDOWN LIST]

- 0 - No, I do not want to participate in this study
- 1 - Yes, I agree to participate in this study

[IF consent = 0, MOVE PARTICIPANT TO NEW PAGE WHICH STATES “**You have indicated that you do not want to participate in this study.** If you have reached this page by accident and do wish to participate in this study, please contact our technical support staff at: (405) 325-1720 or crcm@ou.edu.”]

Please print this information sheet for your records. By providing information to the researcher, I am agreeing to participate in this research.

This research has been approved by the University of Oklahoma, Norman Campus IRB.

IRB Number: 3938

Approval date: 02/25/2016

-----End Web Index pg-----

This survey involves policy choices about complex

issues. Lengthy interruptions in the survey will make it difficult to respond to some of the questions. As previously noted, the survey should take only about 30 minutes to complete, but we ask that you avoid long interruptions if possible.

Please review the following demographic information that you previously provided to our research team. If the information is the same, there is no need for any action. However, if as of today our records are incomplete or incorrect, please provide us with the correct information by using the boxes provided below. Thank you!

[THE QUESTIONS ON THIS PAGE ARE PRE-POPULATED, WHERE AVAILABLE, WITH THE DATA THAT WAS COLLECTED DURING RECRUITMENT]

age: How old are you? [VERBATIM]

-----End Web pg -----

[SHOW PAGE ONLY IF RESPONSE TO age IS < 18]

agescreen: To participate in this survey, you must be 18 years of age or older. Please verify your age before continuing. [VERBATIM]

[IF AN AGE < 18 IS ENTERED, MOVE PARTICIPANT TO NEW PAGE WHICH STATES “**You must be 18 or older to participate in the study.** To continue with the survey, or if you have reached this page by accident, please contact our technical support staff at: (405) 325-1720 or crcm@ou.edu.” IF AN AGE > 18 IS ENTERED, RETURN TO SURVEY]

-----End Web pg -----

gender: Are you male or female?

- 0 - Female
- 1 - Male

education: What is the highest level of education you have COMPLETED?

- 1 - Less than High School
- 2 - High School / GED
- 3 - Vocational or Technical Training
- 4 - Some College — NO degree
- 5 - 2-year College / Associate’s Degree
- 6 - Bachelor’s Degree
- 7 - Master’s degree
- 8 - PhD / JD (Law) / MD

hispanic: Do you consider yourself to be Hispanic, Latino, or Spanish or to have Hispanic, Latino, or Spanish origins?

- 0 - No
- 1 - Yes

race: Which of the following best describes your race?

- 1 - White
- 2 - Black or African American
- 3 - American Indian or Alaska Native
- 4 - Asian
- 5 - Native Hawaiian or Pacific Islander
- 6 - Two or more races
- 7 - Some other race (please specify)

race_spec: [VERBATIM]

married: Are you currently:

- 1 - Married
- 2 - Widowed
- 3 - Single
- 4 - Divorced
- 5 - Partnered

-----End Web pg -----

current_lngth: How many *years* have you lived at your current address?

[VERBATIM] years

-----End Web pg -----

[SHOW ONLY IF current_lngth < or = to 1]

last_zip: What was the zip code at the last residence where you lived?

[VERBATIM]

[SHOW ONLY IF current_lngth < or = to 1]

last_lngth: How many *years* did you live at your last residence?

[VERBATIM] years

-----End Web pg -----

adults: ***Including yourself***, how many ADULTS AGE 18 AND OLDER live in your household?

[LIMIT TO NON-ZERO RESPONSE]

[VERBATIM] adults

children: How many CHILDREN AGE 17 AND YOUNGER live in your household?

[VERBATIM; REQUIRE NUMERIC RESPONSE] children

-----End Web pg -----

employment: Which one of the following BEST describes your current employment status?

- 1 - Not working and not seeking a job outside the home
- 2 - Not working outside the home, but seeking work
- 3 - Working part-time outside the home
- 4 - Working full-time outside the home
- 5 - Working full-time inside the home
- 6 - Working part-time inside the home
- 7 - Student
- 8 - Retired
- 9 - Disabled

-----End Web pg -----

[SHOW QUESTION ONLY IF employment = 3,4,5, OR 6]

industry: Which of the following BEST reflects the kind of business or industry in which you are employed?

- 1 - Agriculture
- 2 - Mining
- 3 - Construction
- 4 - Manufacturing
- 5 - Transportation, Communications or Public Utility
- 6 - Wholesale or Retail Trade
- 7 - Restaurants
- 8 - Legal Services
- 9 - Health And Medical Services
- 10 - Education
- 11 - Business & Accounting Services
- 12 - Engineering & Technical Services
- 13 - Personal Services or Recreational Services
- 14 - Finance, Insurance, or Real Estate
- 15 - Government
- 16 - Other

-----End Web pg -----

Do you currently or have you ever worked in a business or industry that relates to any of the following natural resources in Oklahoma? [Please check all that apply] [RANDOMIZE]

- wrk_natres_oil:** Oil/Petroleum
- wrk_natres_gas:** Natural Gas
- wrk_natres_solar:** Solar
- wrk_natres_wind:** Wind
- wrk_natres_water:** Water
- wrk_natres_bio:** Biomass
- wrk_natres_other:** Other (please specify)
- wrk_natres_other_specify:** [VERBATIM]

-----End Web pg -----

income: Thinking specifically about the past 12 months, what was your annual household income from all sources?
\$ [VERBATIM]

-----End Web pg -----

footage: What is the approximate square footage of your home?
[VERBATIM; REQUIRE NUMERIC RESPONSE]
sq. ft.

home_type: In what type of home do you live?

- 1 - Apartment
- 2 - Single family home
- 3 - Duplex
- 4 - Mobile home
- 5 - Condo or townhouse

home_own: Do you own or rent your home?

- 1 - Own
- 2 - Rent

-----End Web pg -----

home_bed: How many BEDROOMS are in your home?
[VERBATIM]

home_bath: How many BATHROOMS are in your home?
[VERBATIM]

home_structures: How many detached structures in addition to your home—like a barn, studio or other large building—can be found throughout your property?
[VERBATIM]

-----End Web pg -----

home_lot: Which of the following best describes your property?

- 1 - Urban lot in a densely populated area
- 2 - Suburban lot in a neighborhood that is near a densely populated area
- 3 - Rural lot in a sparsely populated area

-----End Web pg -----

[SHOW ONLY IF home_lot = 3]

home_acres: What is the size of your property in acres?
[VERBATIM]

[SHOW ONLY IF home_lot = 3]

ranch_farm: Do you use your property for ranching or farming?
0 - No
1 - Yes

-----End Web pg -----

[SHOW ONLY IF ranch_farm = 1]

commercial: Which of the following best describes your ranch or farm?

- 0 - a family ranch or farm primarily for personal use
- 1 - a commercial ranch or farm

[SHOW ONLY IF ranch_farm = 1]

home_undeveloped: What PERCENTAGE of this land is currently undeveloped and NOT USED for regular ranch or farm production activities?

[VERBATIM] percent

[SHOW ONLY IF ranch_farm = 1]

irrigation: What is the PRIMARY source of the water used for large-scale irrigation or for farming and ranching activities like taking care of crops and farm animals?

- 1 - Private well
- 2 - City, town or municipality
- 3 - Rural water co-op
- 4 - Stream or creek
- 5 - River
- 6 - Lake
- 7 - Private pond
- 8 - Other [please specify]

irrigation_specify: [VERBATIM]

-----End Web pg -----

Do you currently have and use either of the following at your residence? [Please check all that apply]

[RANDOMIZE]

renewuse_solar: One or more solar panels

renewuse_wind: One or more wind turbines

-----End Web pg -----

We would like you to compare weather patterns this winter (December 2015 and January and February 2016) to weather patterns in previous winters.

ssn_precip: In the area around where you live (by this we mean within about ten miles of your residence), would you say that the amount of precipitation (by this we mean both rain and snow) that fell this winter was more, less, or about the same amount as in previous winters?

- 3 - More
- 2 - About the same
- 1 - Less

ssn_tmp: In the area around where you live, would you say that this winter has been warmer, cooler, or about the same as previous winters?

- 3 - Warmer

2 - About the same

1 - Cooler

-----End Web pg -----

Now we want you to compare weather patterns over the past three years to weather patterns in previous years.

drhtfreq: In the area around where you live, has drought occurred more frequently, less frequently, or with about the same frequency in the last three years as drought in previous years?

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

drhtsev: In the area around where you live, has drought been more severe, less severe, or about as severe in the last three years as drought in previous years?

- 3 - More severe
- 2 - About as severe
- 1 - Less severe

fldfreq: In the area around where you live, has flooding occurred more frequently, less frequently, or with about the same frequency in the last three years as flooding in previous years?

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

fldsev: In the area around where you live, has flooding been more severe, less severe, or about as severe in the last three years as flooding in previous years?

- 3 - More severe
- 2 - About as severe
- 1 - Less severe

-----End Web pg -----

avgtmp: Again thinking about the last three years, would you say that overall, the average temperatures in the area around where you live have increased, decreased, or stayed about the same as compared to temperatures in previous years?

- 3 - Increased
- 2 - Stayed about the same
- 1 - Decreased

tmpextrm: Would you say that overall, extreme high and/or low temperatures have occurred more often, less often, or with about the same frequency in the past three years as compared to previous years?

- 3 - More often

- 2 - With about the same frequency
- 1 - Less often

-----End Web pg -----

This winter, have you experienced any of the following kinds of events in the area around where you live? [Please check all that apply] [RANDOMIZED LIST: 1 INDICATES SELECTED]

- evntexp_wind:** Extreme high winds
- evntexp_drgh:** Drought
- evntexp_rain:** Extreme rainstorms
- evntexp_flood:** Floods
- evntexp_torn:** Tornadoes
- evntexp_fire:** Wildfires
- evntexp_ethqk:** Earthquakes
- evntexp_cold:** Extreme cold temperatures
- evntexp_snow:** Extreme snowstorms
- evntexp_ice:** Extreme ice storms
- evntexp_hail:** Hail storms

-----End Web pg -----

In the area around where you live, would you say that the following kinds of events have happened more frequently, less frequently, or with about the same frequency *this winter* as in *previous winters*? [RANDOMIZED TABLE]

- evntfreq_wind:** Extreme high winds
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfreq_rain:** Extreme rainstorms
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfreq_torn:** Tornadoes
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfreq_fire:** Wildfires
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfreq_ethqk:** Earthquakes
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfreq_cold:** Extreme cold temperatures
 - 3 - More frequently
 - 2 - With about the same frequency

- 1 - Less frequently

evntfreq_snow: Extreme snowstorms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfreq_ice: Extreme ice storms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfreq_hail: Hail storms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

-----End Web pg -----

Looking to the future and again thinking about the area around where you live, do you think that the following kinds of events will happen more frequently, less frequently, or with about the same frequency over the *next few winters* as they have *this winter*?

[There is no right answer; please provide your best guess.][RANDOMIZED TABLE]

- evntfutfreq_wind:** Extreme high winds
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfutfreq_drgh:** Drought
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfutfreq_rain:** Extreme rainstorms
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfutfreq_flood:** Floods
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfutfreq_torn:** Tornadoes
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently
- evntfutfreq_fire:** Wildfires
 - 3 - More frequently
 - 2 - With about the same frequency
 - 1 - Less frequently

evntfutfreq_ethqk: Earthquakes

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfutfreq_cold: Extreme cold temperatures

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfutfreq_snow: Extreme snowstorms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfutfreq_ice: Extreme ice storms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

evntfutfreq_hail: Hail storms

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

-----End Web pg -----

As you may know, some parts of Oklahoma have experienced an increase in earthquakes over the last few years.

ethqk_risk: On a scale from zero to ten, where zero means *no risk* and ten means *extreme risk*, how much risk do you think earthquakes pose to people and property in Oklahoma?

- 0 - No risk
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extreme risk

ethqk_cause: In your view, what is the *primary* cause of the increase in earthquakes that some parts of Oklahoma have experienced over the last few years?

[RANDOMIZE ORDER of 1 and 2]

- 1 - Natural shifts of tectonic plates along fault lines
- 2 - Human activities such as natural gas extraction and/or wastewater disposal
- 3 - Don't know

ethqk_risk_mgmt: On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the State of Oklahoma should be in [**ethqk_risk_rand:** “managing,” “regulating”] the risks associated with earthquakes? [RANDOM ASSIGNMENT OF WORD]

- 0 - Not at all involved
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely involved

ethqk_risk_fed_mgmt: On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the United States government should be in [**ethqk_risk_rand:** “managing,” “regulating”] the risks associated with earthquakes? [RANDOM ASSIGNMENT OF WORD]

- 0 - Not at all involved
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely involved

-----End Web pg -----

Do you have any of the following available at your residence to protect you and others in your household from extreme weather events? [Please check all that apply] [RANDOMIZED LIST (EXCEPT “other”): 1 INDICATES SELECTED]

prep_plan: An emergency response plan for you and your family

prep_radio: A backup source of information about extreme weather, like a weather radio

prep_kit: An emergency preparedness kit containing such things as first-aid supplies, flashlights, batteries, etc.

prep_supply: Supplies of water and food specially packaged or designated for use in emergencies

prep_gen: A generator (either mobile or fixed) to provide electricity in emergencies
prep_desroom: A designated room or closet within your home that you consider to provide the most shelter from severe thunderstorms and tornadoes
prep_spcroom: A specially constructed room or other facility on your property designed to provide shelter from severe thunderstorms and tornadoes (may be above or below ground)
prep_othr: Other (please specify)
prep_othr_spec: [VERBATIM]

-----End Web pg -----

The next few questions concern water and energy use at your residence.

wtr_inside: What is the primary source of the water used in your home for drinking, cooking, bathing, and laundry?
1 - Private well
2 - City, town, or municipality
3 - Rural water coop
4 - Other (please specify)
5 - Don't know
wtr_inside_othr_spec: [VERBATIM]

wtr_billfreq: About how frequently do you receive your water bill?
1 - Quarterly
2 - Monthly
3 - Don't know
4 - I don't receive a water bill

-----End Web pg -----

[SHOW QUESTION ONLY IF wtr_billfreq IS OTHER THAN 4; REQUIRED NUMERIC, DECIMALS OK]

What was the approximate total cost (charges for water plus taxes and other fees) of your last water bill?

wtr_bill_totcost: \$ [VERBATIM]
wtr_bill_dk: Don't know [CHECKBOX: 1 INDICATES SELECTED]

wtr_use: As best you can recall, did you use more, less, or about the same amount of water at your residence this winter as you did last winter?
3 - More
2 - About the same amount
1 - Less

wtr_short: Over the past few months (December 2015 and January and February 2016), did you experience

any water shortages or water use restrictions for your residence?
0 - No
1 - Yes

-----End Web pg -----

Do you (or others in your household) maintain any of the following at your residence? [Please check all that apply]

mntain_lawn – Residential lawn
mntain_flwr – Flower garden
mntain_veg – Fruit and/or vegetable garden

-----End Web pg -----

[SHOW PAGE ONLY IF AT LEAST ONE BOX IS CHECKED FOR mntain_lawn, mntain_flwr, or mntain_veg]

wtr_outside: What is the primary source of the water used outside your home to water your residential lawn and/or family garden?
1 - Private well
2 - City, town or municipality
3 - Rural water coop
4 - Private Pond
5 - Rain water (collected in a cistern, barrel, or other catchment device)
6 - Other (please specify)
7 - Don't know
wtr_outside_othr_spec: [VERBATIM]

wtr_freq: During this winter, about how frequently did you (or someone else in your household) water your residential lawn or family garden?

1 – Never
2 – Less than once a month
3 – Once a month
4 – Once a week
5 – A few times a week
6 – Daily

-----End Web pg -----

Were any of the following steps taken to decrease the amount of water used at your residence this winter?

[Please check all that apply][RANDOMIZED LIST (EXCEPT "other"): 1 INDICATES SELECTED]

wtr_steps_flush: Installed a low-volume or low-flush toilet
wtr_steps_flow: Installed a low-volume or low-flow showerhead
wtr_steps_bath: Took shorter or less frequent baths or showers

wtr_steps_lawn: Watered lawn or garden less frequently

wtr_steps_car: Washed car less frequently

wtr_steps_leaks: Repaired leaks

wtr_steps_ldry: Did laundry less frequently

wtr_steps_othr: Other (please specify)

wtr_steps_spec: [VERBATIM]

-----End Web pg -----

wtr_qual: Using a scale of excellent, good, fair or poor, how would you rate the overall quality of the drinking water at your residence?

4 - Excellent

3 - Good

2 - Fair

1 - Poor

wtr_safe: On a scale from zero to ten, where zero means *not at all safe* and ten means *completely safe*, how would you rate the safety of the drinking water at your residence for your health?

0 - Not at all safe

1

2

3

4

5

6

7

8

9

10 - Completely safe

-----End Web pg -----

wtr_comm: In your view, are the supplies of water in your region of Oklahoma adequate to meet the needs of your community over the next 25 years?

5 - Definitely yes

4 - Probably yes

3 - Unsure

2 - Probably no

1 - Definitely no

wtr_farm: In your view, are the supplies of water in your region of Oklahoma adequate to meet the needs of farmers and ranchers over the next 25 years?

5 - Definitely yes

4 - Probably yes

3 - Unsure

2 - Probably no

1 - Definitely no

-----End Web pg -----

The next set of questions concern energy use at your residence.

Which of these energy sources did you use at your residence this winter (December 2015 and January and February 2016)? [Please check all that apply]

enrgy_sourc_elec: Electricity

enrgy_sourc_natgas: Natural Gas

enrgy_sourc_prop: Propane or Liquefied Petroleum Gas

enrgy_sourc_wood: Wood

enrgy_sourc_geo: Geothermal

enrgy_sourc_othr: Other (please specify)

enrgy_sourc_othr_spec: [VERBATIM]

enrgy_heat: Thinking specifically about HEATING your home, what was the PRIMARY source of energy used at your residence this winter?

1 - Electricity

2 - Natural Gas

3 - Propane or Liquefied Petroleum Gas

4 - Wood

5 - Geothermal

6 - Other (please specify)

enrgy_heat_spec: [VERBATIM]

-----End Web pg -----

[THIS PAGE ONLY DISPLAYED IF
enrgy_sourc_elec IS SELECTED]

elec_billfreq: About how frequently do you receive your electricity bill?

1 - Quarterly

2 - Monthly

3 - Don't know/Not applicable

What was the approximate total cost (including taxes and other fees) of your last electricity bill? [REQUIRED NUMERIC, DECIMALS OK]

elec_bill_totcost: \$ [VERBATIM]

elec_bill_dk: Don't know/Not Applicable [CHECK-BOX: 1 INDICATES SELECTED]

elec_use: As best you can recall, did you use more, less, or about the same amount of electricity at your residence this winter as last winter?

3 - More

2 - About the same amount

1 - Less

elec_out: During this winter, did you experience any electricity outages at your residence?

0 - No

1 - Yes

-----End Web pg -----

[SHOW PAGE ONLY IF enrgy_sourc_elec IS SELECTED]

enrgy_recs: Do you currently purchase renewable energy (such as wind, solar, hydroelectric, or other renewables) or renewable energy credits (RECs) from your electricity provider?

- 0 - No
- 1 - Yes

enrgy_avg: Do you currently participate in an electricity bill payment plan that averages monthly costs over the year?

- 0 - No
- 1 - Yes

-----End Web pg -----

[THIS PAGE ONLY DISPLAYED IF enrgy_sourc_natgas IS SELECTED]

gas_billfreq: About how frequently do you receive your natural gas bill?

- 1 - Quarterly
- 2 - Monthly
- 3 - Don't know/Not Applicable

What was the approximate total cost (including taxes and other fees) of your last natural gas bill? [REQUIRED NUMERIC, DECIMALS OK]

gas_bill_totcost: \$ [VERBATIM]

gas_bill_dk: Don't know/Not Applicable [CHECKBOX: 1 INDICATES SELECTED]

gas_use: As best you can recall, did you use more, less, or about the same amount of natural gas at your residence this winter as last winter?

- 3 - More
- 2 - About the same
- 1 - Less

-----End Web pg -----

Were any of the following steps taken to decrease the amount of energy used at your residence this winter?

[Please check all that apply][RANDOMIZED LIST (EXCEPT "other"): 1 INDICATES SELECTED]

enrgy_steps_lghts: Turned lights off

enrgy_steps_heat: Turned heat down/off

enrgy_steps_savappl: Installed energy saving appliances

enrgy_steps_unplug: Unplugged appliances

enrgy_steps_insul: Added insulation

enrgy_steps_savdoor: Installed energy saving doors/windows

enrgy_steps_bulbs: Installed energy saving light bulbs

enrgy_steps_othr: Other (please specify)

enrgy_steps_othr_spec: [VERBATIM]

-----End Web pg -----

The next few questions ask about land use on your property.

In the past year, have you (or any of the people in your household) made any of the following types of changes to your property? [Please check all that apply] [1 INDICATES SELECTED]

chngd_prprty_remdead: Removed dead, diseased, or damaged tree(s)

chngd_prprty_remvhlth: Removed a healthy tree (or trees)

chngd_prprty_addtree: Added a tree (or trees)

chngd_prprty_grass: Replaced, removed, or expanded grass on your property

chngd_prprty_othr: Other (please specify)

chngd_prprty_othr_spec: [VERBATIM]

-----End Web pg -----

[SHOW PAGE ONLY IF chngd_prprty_grass = 1]

You indicated that you replaced, removed, or expanded grass on your property in the past year. Which of the following best describes the changes that you made?

chngd_prprty_grass_wrm: Replaced warm season grass (examples [HOVER OVER DISPLAYS: "such as Bermuda grass, which turns brown in the winter"]) with cool season grass (examples [HOVER OVER DISPLAYS: "such as fescue or Bluegrass, which stays green year round"])

chngd_prprty_grass_cool: Replaced cool season grass with warm season grass

chngd_prprty_grass_all: Removed grass from all or part of your property

chngd_prprty_grass_expd: Expanded grass into new areas of your property

-----End Web pg -----

[SHOW ONLY IF ANY OPTION FROM chngd_prprty = 1; RANDOMIZED TABLE, EXCEPT "Other"]

chngd_prprty_rsn: Which of the following statements best describes your reason for making changes to your property in the past year?

- 1 - To address landscape damage from storms
- 2 - To reduce the cost of maintaining my landscape
- 3 - To reduce time needed to maintain my landscape
- 4 - To reduce water use

- 5 - To improve the appearance of my landscape
 - 6 - To address safety concerns
 - 7 - To repair or avoid structural damage
 - 8 - To better adapt my landscape to the weather in my local area
 - 9 - Other (please specify)
- chngd_prprty_rsn_spec:** [VERBATIM]

-----End Web pg -----

This set of questions concerns your beliefs about the relationship between humans and the environment.

Please respond to the following statements on a scale of one to five, where one means you *strongly disagree* and five means you *strongly agree*. [RANDOMIZED TABLE]

rule: Humans were meant to rule over the rest of nature.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

intrfr: When humans interfere with nature it often produces disastrous consequences.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

exagrt: The so-called “ecological crisis” facing humankind has been greatly exaggerated.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

limit: We are approaching the limit of the number of people the earth can support.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

blnc: The balance of nature is strong enough to cope with the impacts of modern industrial nations.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

abuse: Humans are severely abusing the environment.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

cntrl: Humans will eventually learn enough about how nature works to be able to control it.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5 - Strongly Agree

-----End Web pg -----

Please rate the degree to which each of the following four groups of statements describes your outlook on life, using a scale from zero to ten, where zero means *not at all* and ten means *completely*.

[RANDOMIZED TABLE: RESPONDENTS REQUIRED TO RATE EACH BEFORE CONTINUING]

H_rate: I am more comfortable when I know who is, and who is not, a part of my group, and loyalty to the group is important to me. I prefer to know who is in charge and to have clear rules and procedures; those who are in charge should punish those who break the rules. I like to have my responsibilities clearly defined, and I believe people should be rewarded based on the position they hold and their competence. Most of the time, I trust those with authority and expertise to do what is right for society.

- 0 - Not at All
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Completely

I_rate: Groups are not all that important to me. I prefer to make my own way in life without having to follow other peoples’ rules. Rewards in life should be based on initiative, skill, and hard work, even if that results in inequality. I respect people based on what they do, not the positions or titles they hold. I like

relationships that are based on negotiated “give and take,” rather than on status. Everyone benefits when individuals are allowed to compete.

0 - Not at All

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Completely

E_rate: My most important contributions are made as a member of a group that promotes justice and equality. Within my group, everyone should play an equal role without differences in rank or authority. It is easy to lose track of what is important, so I have to keep a close eye on the actions of my group. It is not enough to provide equal opportunities; we also have to try to make outcomes more equal.

0 - Not at All

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Completely

F_rate: Life is unpredictable and I have very little control. I tend not to join groups, and I try not to get involved because I can't make much difference anyway. Most of the time other people determine my options in life. Getting along is largely a matter of doing the best I can with what comes my way, so I just try to take care of myself and the people closest to me. It's best to just go with the flow, because whatever will be will be.

0 - Not at All

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Completely

-----End Web pg -----

[THIS PAGE ONLY DISPLAYED IF TWO OR MORE OF “CULTURAL OUTLOOK” RATINGS (H_rate, I_rate, E_rate, F_rate) ARE TIED; ONLY TIES ARE DISPLAYED]

CT_rate_tie: It looks like you gave these statements the same rating. Please indicate which one of these options comes closest to your outlook on life.

[RANDOMIZED LIST: H = H_rate selected; I = I_rate selected; E = E_rate selected; F = F_rate selected]

H - I am more comfortable when I know who is, and who is not, a part of my group, and loyalty to the group is important to me. I prefer to know who is in charge and to have clear rules and procedures; those who are in charge should punish those who break the rules. I like to have my responsibilities clearly defined, and I believe people should be rewarded based on the position they hold and their competence. Most of the time, I trust those with authority and expertise to do what is right for society.

I - Groups are not all that important to me. I prefer to make my own way in life without having to follow other people's rules. Rewards in life should be based on initiative, skill, and hard work, even if that results in inequality. I respect people based on what they do, not the positions or titles they hold. I like relationships that are based on negotiated “give and take,” rather than on status. Everyone benefits when individuals are allowed to compete.

E - My most important contributions are made as a member of a group that promotes justice and equality, to combat unfairness and corruption in society. Within my group, everyone should play an equal role without differences in rank or authority. It is easy to lose track of what is important, so I have to keep a close eye on the actions of my group. It is not enough to provide equal opportunities; we also have to try to make outcomes more equal.

F - Life is unpredictable and I have very little control. I tend not to join groups, and I try not to get involved because I can't make much difference anyway. Other people make the rules; I just have to abide by them. Getting along in life is largely a matter of doing the best I can with what comes my way, so I just try to take care of myself and the people closest to me. It's best to just go with the flow, because whatever will be will be.

-----End Web pg -----

This next set of questions concerns your outlook on politics and current policy issues.

party: With which political party do you most identify?

- 1 - Democratic party
- 2 - Republican party (or GOP)
- 3 - Independent
- 4 - Other (please specify)

party_spec: [VERBATIM]

-----End Web pg -----

[SHOW PAGE ONLY IF party = 3]

lean: As of today, do you lean more to the Democratic Party or the Republican Party?

- 1 - Democratic Party
- 2 - Republican Party

-----End Web pg -----

ideol: On a scale of political ideology, individuals can be arranged from strongly liberal to strongly conservative. Which of the following categories best describes your views?

- 1 - Strongly liberal
- 2 - Liberal
- 3 - Slightly liberal
- 4 - Middle of the road
- 5 - Slightly conservative
- 6 - Conservative
- 7 - Strongly conservative

-----End Web pg -----

The next several questions are about important issues facing policy makers and the people of Oklahoma today.

For each of the following issues, please rate your level of concern using a scale from zero to ten, where zero means you are *not at all concerned* and ten means you are *extremely concerned*. How concerned are you about each of the following? [RANDOMIZED TABLE]

cnern_secu: Threats to the security of people in Oklahoma, including crime and terrorism

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5

6

7

8

9

10 - Extremely Concerned

cnern_health: The delivery and cost of healthcare in Oklahoma

0 - Not at all Concerned

1

2

3

4

5

6

7

8

9

10 - Extremely Concerned

cnern_energ: The availability and cost of energy in Oklahoma

0 - Not at all Concerned

1

2

3

4

5

6

7

8

9

10 - Extremely Concerned

cnern_trns: The cost of transportation fuel in Oklahoma, such as gasoline and diesel

0 - Not at all Concerned

1

2

3

4

5

6

7

8

9

10 - Extremely Concerned

cnern_tax: The cost of state and local taxes in Oklahoma

0 - Not at all Concerned

1

2

3

4

5

- 6
- 7
- 8
- 9
- 10 - Extremely Concerned

cnern_edu: The cost and quality of education in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely Concerned

cnern_econ: The state of the Oklahoma economy, including jobs and inflation

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely Concerned

cnern_natres: The preservation of natural resources in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely Concerned

-----End Web pg -----

As you may know, the issue of global climate change has been the subject of public discussion over the last few years.

glbcc: In your view, are greenhouse gases, such as those resulting from the combustion of coal, oil, natu-

ral gas, and other materials, causing average global temperatures to rise?

0 – No

1 – Yes

-----End Web pg -----

glbcc_cert: On a scale from zero to ten, where zero means *not at all certain* and ten means *completely certain*, how certain are you that greenhouse gases are/are not [AUTOFILL “are” IF glbcc = 1; AUTOFILL “are not” IF glbcc = 0] causing average global temperatures to rise?

0 - Not at all certain

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Completely certain

glbcc_risk: On a scale from zero to ten, where zero means *no risk* and ten means *extreme risk*, how much risk do you think global warming poses for people and the environment?

0 - No risk

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extreme risk

glbwrn_ok: In your view, is global warming causing the weather patterns in Oklahoma to change?

0 - No

1- Yes

2 - Don’t know

-----End Web pg -----

glbwrn_risk_mgmt: On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the State of Oklahoma should be in [glbwrn_risk_rand: RANDOMIZE ASSIGNMENT OF WORD managing OR regulating] the risks associated with global warming?

0 – Not at all involved

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 – Extremely involved

-----End Web pg -----

glbwrn_risk_fed_mgmt: On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the United States government should be in [glbwrn_risk_rand: RANDOMIZE ASSIGNMENT OF WORD managing OR regulating] the risks associated with global warming?

0 – Not at all involved

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 – Extremely involved

-----End Web pg -----

The next few questions are about your life, your health, and your neighborhood.

time_outside: How much time would you say you spent outdoors on a typical winter day?

0 - No time

- 1 - Less than 1 hour per day
- 2 - 1–2 hours per day
- 3 - 2–4 hours per day
- 4 - More than 4 hours per day

-----End Web pg -----

[SHOW PAGE ONLY IF time_outside = 1, 2, 3, OR 4]

spent_outside: Is this time spent outdoors for work, for recreation, or both?

- 1 - Work
- 2 - Recreation
- 3 - Both

-----End Web pg -----

cmpr_time_outside: Overall, would you say that you spent more, less, or about the same amount of time outdoors *this winter* (December 2015 and January and February 2016) as compared to *previous winters*?

- 3 - More time
- 2 - About the same amount of time
- 1 - Less time

-----End Web pg -----

hlth_status: In general, would you say your health is:

- 5 - Excellent
- 4 - Very Good
- 3 - Good
- 2 - Fair
- 1 – Poor

-----End Web pg -----

Using a scale from one to seven, where one means you *strongly disagree* and seven means you *strongly agree*, please respond to the following statements about your neighborhood or immediate surrounding area. [RANDOMIZED TABLE]

nghbrhd_deal: If there is a problem around here, the neighbors get together to deal with it.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5
- 6
- 7 - Strongly Agree

nghbrhd_close: This is a close-knit neighborhood/area.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5
- 6
- 7 - Strongly Agree

nghbrhd_care: When you get right down to it, no one in this neighborhood/area cares much about what happens to me.

- 1 - Strongly Disagree
- 2
- 3
- 4

- 5
- 6
- 7 - Strongly Agree

nghbrhd_not: People in this neighborhood/area generally do not get along with each other.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5
- 6
- 7 - Strongly Agree

nghbrhd_eyes: When I am away from home, I know that my neighbors will keep their eyes open for possible trouble at my place.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5
- 6
- 7 - Strongly Agree

nghbrhd_help: If I needed emergency repairs at my residence, I could count on my neighbors to pitch in and help.

- 1 - Strongly Disagree
- 2
- 3
- 4
- 5
- 6
- 7 - Strongly Agree

-----End Web pg -----

How frequently do you get information about the WEATHER from each of the following sources?
[DROP DOWN CHOICES FOR EACH PROMPT:
“Several times a day”, “About once a day”, “Several times per week”, “About once per week”, “Less than once per week”, “Never”]

wthr_info_paper: Newspapers

wthr_info_web: Non-government Internet websites (such as weather.com)

wthr_info_govweb: Government sponsored Internet websites (such as noaa.gov, Oklahoma Mesonet)

wthr_info_loctv: Local TV (television) news

wthr_info_cabtv: Cable TV (television) news (such as The Weather Channel)

wthr_info_radio: Radio

wthr_info_fam: Family, friends or colleagues

wthr_info_soc: Social Media, such as Facebook and Twitter

wthr_info_phone: Cell phone applications or automated text messages

wthr_info_othr: Other (please specify)

wthr_info_othr_spec: [VERBATIM]

-----End Web pg -----

For many people, their religious beliefs affect their outlook on life. We would like to know a little bit about your religious beliefs.

rel_imp: Using a scale from zero to ten, where zero means *not at all important* and ten means *extremely important*, how important do you consider religion to be in your life?

0 – Not at all important

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 – Extremely important

rel_freq: Apart from occasional weddings, baptisms, or funerals, how frequently do you attend religious services?

6 - More than once per week

5 - Every week

4 - Almost every week

3 - Once or twice a month

2 - A few times per year

1 - Only for religious holidays

0 - Never

-----End Web pg -----

rel_desc: What is your religious preference? [RANDOMIZE ORDER, EXCEPT “Other”]

1 - Agnostic

2 - Atheist

3 - Catholic

4 - Protestant

5 - Christian (nonspecific)

6 - Jewish

7 - Mormon

8 - Other (please specify)

rel_desc_spec: [VERBATIM]

-----End Web pg -----

[SHOW PAGE ONLY IF rel_desc = 4]

rel_prot: What specific Protestant denomination is that?

- 1 - Southern Baptist
- 2 - Other Baptist
- 3 - Methodist
- 4 - Presbyterian
- 5 - Episcopal
- 6 - Lutheran
- 7 - Pentecostal
- 8 - Church of Christ
- 9 - Other (please specify)
- 10 - Non-denominational

rel_prot_spec: []VERBATIM]

-----End Web pg -----

[SHOW PAGE ONLY IF rel_desc = 3, 4, 5, 7, or 8]

rel_brnagn: Do you consider yourself an evangelical or born-again Christian?

- 0 - No
- 1 - Yes
- 2 - Not sure

rel_bible: Do you believe that the Bible is the literal word of God?

- 0 - No
- 1 - Yes
- 2 - Not Sure

-----End Web pg -----

Scholars have learned that information often influences the way in which people answer survey questions. With this in mind, we are interested in whether you are taking the time to read the text that precedes each question. So, in order to demonstrate that you have read this text, please ignore the question below and click on the blue dot.

dot_answer: Which of the following devices do you typically use to answer surveys on the Internet?

- 1 - A computer
- 2 - A tablet (like an iPad or a Kindle)
- 3 - A smart phone (like an Android phone or iPhone)

-----End Web pg -----

Thank you very much for your participation in the Oklahoma Weather, Society and Government Survey! We greatly appreciate your time and attention. As a token of our appreciation, you will be receiving a \$10 gift card in the mail within the next few weeks.

confirm_zip: Zip: [AUTOFILL ZIP; REQUIRED 5-DIGIT NUMERIC]

-----End Web pg -----

NOTES: This dataset includes the following that do *not* correspond with questions on the instrument:

wave_id: wave id

click_bluedot: 1 if participant clicked blue dot instead of responding to dot_answer

begin_datetime: date/time respondent started the survey (Unix time)

end_datetime: date/time respondent completed the survey (Unix time)

time_taken: time between survey commencement and completion (minutes)

is_statewide: 1 if participant is in the statewide sample

is_kiamichi: 1 if participant lives within the Kiamichi watershed study region

is_payne: 1 if participant lives within the Payne Co./Cimarron watershed study region

is_washita: 1 if participant lives within the Washita watershed study region

is_canadian: 1 if participant lives within the North Canadian watershed study region

is_okcity: 1 if participant lives within the Oklahoma City watershed study region