

**2014 Oklahoma Weather, Society and Government Survey: M-SISNet Wave 4 (Fall 2014)**

**n = 2,469; December 6, 2014 – February 8, 2015; Median Time = 22 min**

My name is Hank C. Jenkins-Smith, and I am a professor in the Center for Applied Social Research 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 5,000 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. 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 Applied Social Research at the University of Oklahoma, at (405) 325-1720 or at [crcm@ou.edu](mailto: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 (OUNC IRB) at (405) 325-8110 or [irb@ou.edu](mailto:irb@ou.edu).

*Please print this information sheet for your records. By completing and submitting this questionnaire, you are agreeing to participate in this study.*

-----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 this study. If you have reached this page by accident, please contact our technical support staff at 405-325-7655 or [crem@ou.edu](mailto:crem@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) / Doctor

**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]

**zip:** What is the five digit zip code at your residence? [VERBATIM]

**county:** What is the name of the county where you live? [DROP DOWN LIST OF ALL OKLAHOMA COUNTIES]

[DO NOT ALLOW A “0” RESPONSE]

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

[VERBATIM] [LIMIT TO NON-ZERO RESPONSE]

**children:** How many CHILDREN AGE 17 AND YOUNGER live in your household? [VERBATIM]

**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

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

**footage:** What is the approximate square footage of your home? [VERBATIM]

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

To begin, we would like you to compare weather patterns *this fall* (September, October, and November 2014) to weather patterns in *previous falls*.

**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 fall* was more, less, or about the same amount as in *previous falls*?  
3 - More  
2 - About the same  
1 - Less

**ssn\_tmp:** In the area around where you live, would you say that *this fall* has been warmer, cooler, or about the same as *previous falls*?  
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*.

**drghtfreq:** 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

**drghtsev:** 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 fall, 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\_drght:** Drought
- evntexp\_rain:** Extreme rainstorms
- evntexp\_flood:** Floods
- evntexp\_torn:** Tornadoes
- evntexp\_fire:** Wildfires
- evntexp\_heat:** Extreme hot temperatures
- 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 fall as in previous falls? [RANDOMIZED TABLE]

- evntfreq\_wind:** Extreme high winds
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_rain:** Extreme rainstorms
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_torn:** Tornadoes
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_fire:** Wildfires
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_heat:** Extreme hot temperatures
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_ethqk:** Earthquakes
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

- evntfreq\_cold:** Extreme cold temperatures
- 3 - More Frequently
- 2 - About the Same
- 1 - Less Frequently

**evntfreq\_snow:** Extreme snowstorms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfreq\_ice:** Extreme ice storms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfreq\_hail:** Hail storms  
3 - More Frequently  
2 - About the Same  
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 falls* as they have *this fall*? [There is no right answer; please provide your best guess.][RANDOMIZED TABLE]

**evntfutfreq\_wind:** Extreme high winds  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_drgh:** Drought  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_rain:** Extreme rainstorms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_flood:** Floods  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_torn:** Tornadoes  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_fire:** Wildfires  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_heat:** Extreme hot temperatures

3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_ethqk:** Earthquakes  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_cold:** Extreme cold temperatures  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_snow:** Extreme snowstorms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_ice:** Extreme ice storms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

**evntfutfreq\_hail:** Hail storms  
3 - More Frequently  
2 - About the Same  
1 - Less Frequently

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

[SHOW QUESTIONS prep\_plan THRU wtr\_inside\_othr\_spec ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

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 use for 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:** [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 fall* as you did *last fall*?

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

**wtr\_short:** Over the *past few months* (September, October, and November 2014), 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 QUESTION wtr\_outside ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

[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 fall*, 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 -----

**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 0 to 10, where zero means *not at all safe* and 10 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 -----

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

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

- wtr\_steps\_flush:** Installed a low-volume or low-flow 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 -----

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

Which of these energy sources did you use at your residence this fall (September, October, and November 2014)? [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]

[SHOW QUESTIONS enrgy\_heat THRU elec\_billfreq ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

**enrgy\_heat:** Thinking specifically about HEATING your home, what was the PRIMARY source of energy used at your residence this fall (September, October, and November 2014).

- 1 - Electricity
- 2 - Natural Gas
- 3 - Propane or Liquefied Petroleum Gas
- 4 - Wood
- 5 - Geothermal
- 6 - Other (please specify)
- enrgy\_heat\_spec:** [VERBATIM]

**enrgy\_cool:** Thinking specifically about COOLING your home, what was the PRIMARY source of energy used at your residence this fall?

- 1 - Electricity
- 2 - Natural Gas
- 3 - Propane or Liquefied Petroleum Gas
- 4 - Geothermal
- 5 - Other (please specify)
- enrgy\_cool\_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

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:** [CHECKBOX: 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 fall* as *last fall*?

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

**elec\_out:** During *this fall*, did you experience any electricity outages at your residence?

- 0 - No
- 1 - Yes

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

[THIS PAGE ONLY DISPLAYED IF  
enrgy\_sourc\_natgas IS SELECTED]

[SHOW QUESTION gas\_billfreq ONLY FOR  
BASELINE PANELISTS—SKIP FOR ABBREVI-  
ATED PANELISTS]

**gas\_billfreq:** About how frequently do you receive your natural gas bill?

- 1 - Quarterly
- 2 - Monthly
- 3 - Don't know

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

**gas\_bill\_totcost:** [VERBATIM]

**gas\_bill\_dk:** [CHECKBOX: 1 INDICATES SE-  
LECTED]

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

- 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 fall*?

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

**enrgy\_steps\_lghts:** Turned lights off

**enrgy\_steps\_ac:** Turned down/off air conditioning

**enrgy\_steps\_savappl:** Installed energy saving appli-  
ances

**enrgy\_steps\_unplug:** Unplugged appliances

**enrgy\_steps\_insul:** Added insulation

**enrgy\_steps\_savdoor:** Installed energy saving  
doors/windows

**enrgy\_steps\_prog:** Participated in "smart energy"  
program (such as OG&E SmartHours or PSO  
GridSmart)

**enrgy\_steps\_bulbs:** Installed energy saving light  
bulbs

**enrgy\_steps\_othr:** Other (please specify)

**enrgy\_steps\_othr\_spec:** [VERBATIM]

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

[SHOW QUESTIONS enrgy\_recs and enrgy\_avg  
ONLY FOR BASELINE PANELISTS—SKIP FOR  
ABBREVIATED PANELISTS; SHOW PAGE ON-  
LY 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 elec-  
tricity bill payment plan that averages monthly costs  
over the year?

- 0 - No
- 1 - Yes

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

[SHOW veg\_better THRU lwn\_grew\_better\_lsrain  
ONLY IF mntain\_lawn OR mntain\_veg WERE SE-  
LECTED]

Now we would like to ask you a few questions about  
landscaping, gardening and property management.

**veg\_better:** Earlier, you indicated that you planted or  
maintained a fruit or vegetable garden on your prop-  
erty *this fall* (September, October, and November  
2014). Overall, would you say that your garden did  
better, about the same, or worse *this fall* than it has in  
*previous falls*?

- 1 - Better
- 2 - About the same
- 3 - Worse
- 4 - This was the first fall I have planted a garden

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

[SHOW ONLY IF veg\_better = 1 OR 3]

Why would you say your fruits or vegetables grew  
better/worse [AUTOFILL FROM RESPONSE TO  
veg\_better] *this fall* than in *past falls*? [Please check  
all that apply] [1 INDICATES SELECTED]

**veg\_grew\_wthr:** – The weather this fall was bet-  
ter/worse [AUTOFILL FROM RESPONSE TO

veg\_better] for my plants than in past falls

**veg\_grew\_date** – I changed the date on which I planted my garden

**veg\_grew\_fert** – I changed the amount of fertilizers/compost I used on my plants this fall

**veg\_grew\_type** – I planted different types of plants than in past falls

**veg\_grew\_dk** – Don't know

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

[SHOW ONLY IF veg\_grew\_wthr = 1]  
You indicated that the weather *this fall* was better/worse [AUTOFILL FROM RESPONSE TO veg\_better] for your plants than in past years. Which of the following describe why you felt that the weather *this fall* was better/worse [AUTOFILL FROM RESPONSE TO veg\_better] for your plants? [Please check all that apply]

- veg\_grew\_wthr\_warm** – The weather was warmer
- veg\_grew\_wthr\_cool** – The weather was cooler
- veg\_grew\_wthr\_morain**– It rained more
- veg\_grew\_wthr\_lsrain** – It rained less

[SHOW ONLY IF veg\_grew\_date = 1]  
**veg\_grew\_date\_time:** You indicated that you changed the date on which you planted your garden *this fall*. Would you say you planted your garden earlier, or later *this fall*?  
1 – I planted earlier  
2 – I planted later

[SHOW ONLY IF veg\_grew\_fert = 1]  
**veg\_grew\_fert\_amnt:** You indicated that you changed the amount of fertilizer or compost you used on your garden plants *this fall*. Would you say you used more, or less fertilizer and/or compost?  
1 – I used less fertilizer/compost  
2 – I used more fertilizer/compost

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

[SHOW QUESTION ONLY IF mntain\_lwn = 1]  
**lwn\_better:** You indicated that you maintained a residential lawn on your property *this fall*. Would you say that the overall health of your lawn *this fall* was better, worse, or about the same as its health in *previous falls*?  
1 – Better  
2 – About the same  
3 – Worse  
4 – This was the first fall I had a residential lawn

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

[SHOW ONLY IF lwn\_better = 1 or 3]  
Why would you say your lawn's health was better/worse [AUTOFILL FROM RESPONSE TO lwn\_better] *this fall* than in *previous falls*? [Please check all that apply] [1 INDICATES SELECTED]  
**lwn\_grew\_wthr:** The weather this fall was better/worse [AUTOFILL FROM RESPONSE TO lwn\_better] for my lawn than in past falls

**lwn\_grew\_fert:** I changed the amount/type of fertilizers I used on my lawn this fall

**lwn\_grew\_time:** I spent more/less [AUTOFILL "more" IF lwn\_better = 1; AUTOFILL "less" IF lwn\_better = 3] time maintaining my lawn this fall than in past falls

**lwn\_grew\_dk:** Don't know

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

[SHOW PAGE ONLY IF lwn\_grew\_wthr = 1]  
You indicated that the weather *this fall* was better/worse [AUTOFILL FROM RESPONSE TO lwn\_better] for your lawn than in past years. Which of the following describe why you felt that the weather *this fall* was better/worse [AUTOFILL FROM RESPONSE TO lwn\_better] for your lawn? [Please check all that apply]  
**lwn\_grew\_wthr\_warm** – The weather was warmer  
**lwn\_grew\_wthr\_cool**– The weather was cooler  
**lwn\_grew\_wthr\_morain**– It rained more  
**lwn\_grew\_wthr\_lsrain** – It rained less

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

[SHOW QUESTIONS chngd\_prprty THRU ideol ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

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 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.

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, 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.

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. 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.

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]

**cnrcn\_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

**cnrcn\_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

**cnrcn\_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

**cncrn\_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

**cncrn\_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

**cncrn\_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

**cncrn\_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

**cncrn\_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, natural 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 -----

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 fall 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 fall* (September, October, and November 2014) as compared to *previous falls*?

3 - More time

2 - About the same amount of time

1 - Less time

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

Please respond to the following statements on a scale from one to five, where one means *poor* and five means *excellent*.

[DISPLAY hlth\_status THRU rel\_sat in RANDOMIZED TABLE]

**hlth\_status:** In general, would you say your health is:

1 - Poor

2 - Fair

3 - Good

4 - Very Good

5 - Excellent

**qual\_life:** In general, would you say your quality of life is:

1 - Poor

2 - Fair

3 - Good

4 - Very Good

5 - Excellent

**phys\_hlth:** In general, how would you rate your physical health?

1 - Poor

2 - Fair

3 - Good

4 - Very Good

5 - Excellent

**mntl\_hlth:** In general, how would you rate your mental health, including your mood and your ability to think?

1 - Poor

2 - Fair

3 - Good

4 - Very Good

5 - Excellent

**rel\_sat:** In general, how would you rate your satisfaction with your social activities and relationships?

1 - Poor

2 - Fair

3 - Good

4 - Very Good

5 - Excellent

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

**carry\_out\_roles:** On a scale from zero to ten, where zero means *not at all* and ten means *completely*, how

well are you able to carry out your usual social activities and roles? (This includes activities at home, at work and in your community, and responsibilities as a parent, child, spouse, employee, friend, etc.)

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

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

**carry\_out\_physact:** To what extent are you able to carry out your everyday physical activities such as walking, climbing stairs, carrying groceries, or moving a chair?

- 1 – Not at all
- 2 – A little
- 3 – Moderately
- 4 – Mostly
- 5 – Completely

**emot\_prob:** In the past 7 days, how often have you been bothered by emotional problems such as feeling anxious, depressed, or irritable?

- 1 – Never
- 2 – Rarely
- 3 – Sometimes
- 4 – Often
- 5 – Always

**fatigue:** In the past 7 days, how would you rate your fatigue on average?

- 1 – None
- 2 – Mild
- 3 – Moderate
- 4 – Severe
- 5 – Very Severe

**pain:** In the past 7 days, how would you rate your pain on average?

- 0 – No pain
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 9
- 10 – Worst imaginable pain

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

[SHOW QUESTION nghbrhd ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

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 -----

[SHOW QUESTIONS rel\_imp THRU rel\_bible ONLY FOR BASELINE PANELISTS—SKIP FOR ABBREVIATED PANELISTS]

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 -----

**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)  
3 - A smart phone (like a Blackberry or iPhone)

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

Thank you very much for your participation in the “Oklahoma Weather, Society and Government Survey” 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