

**2016 Oklahoma Weather, Society and Government Survey: M-SISNet Wave 12 (Fall 2016)**

**n = 2,547; December 5, 2016—January 17, 2017; Median Time = 27 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 8,000 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](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 (OU-NC IRB) at (405) 325-8110 or [irb@ou.edu](mailto: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](mailto: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: 11/29/2016**

-----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](mailto: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]

-----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 -----

**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.

-----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 -----

The next few questions ask you to compare weather patterns this fall (September, October and November 2016) 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 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 indicate 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\_ethqk:** Earthquakes
- evntexp\_cold:** Extreme cold temperatures
- evntexp\_heat:** Extreme hot 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 - 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\_earthqk:** 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\_heat:** Extreme hot 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 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 - With about the same frequency  
1 - Less frequently

**evntfutfreq\_drght:** 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\_earthqk:** 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\_heat:** Extreme hot 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 -----

Now, we have a few questions about prescribed fires, which are sometimes called controlled burns, in Oklahoma.

**know\_fire:** Do you know what prescribed fire (sometimes known as a controlled burn) is?

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

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

[SHOW ONLY IF **know\_fire** = 1]

**purp\_fire:** Do you know what the purpose of prescribed fire is?

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

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

[SHOW ONLY IF **purp\_fire** = 1]

**purp\_fire\_exp:** Please describe the purpose of prescribed fire. [VERBATIM]

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

As you may know, prescribed or controlled burning is a planned fire technique sometimes used in forest management, farming, or prairie restoration.

**useful\_val\_fire:** Do you think prescribed fire is useful or has a positive value to you?

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

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

[SHOW ONLY IF **home\_lot** = 3]

**use\_fire\_rural:** Do you use prescribed fire on your property?

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

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

[SHOW ONLY IF **home\_lot** = 3 and **use\_fire\_rural** = 0]

You indicated that you do not use prescribed fire on your property. Please indicate the reason that you do not use prescribed fire on your property. [Please check all that apply] [1 INDICATES SELECTED]  
**nofire\_notrain:** I have no training or experience with prescribed fire

**nofire\_notnear:** I do not want any landscape fires near me and my family and property

**nofire\_othr:** Another reason [please specify]

**nofire\_othr\_spec:** [VERBATIM]

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

[SHOW ONLY IF **home\_lot** = 1 or 2]

**urban\_fire:** Do you know anyone that uses prescribed fire?

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

[SHOW ONLY IF **home\_lot** = 1 or 2]

**fire\_implmnt:** Do you support prescribed fire's implementation in appropriate areas?

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

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

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

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 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 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 indicate 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\_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 -----

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

Please indicate 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 fall* (September, October and November 2016)? Please indicate all that apply.

- enrgy\_source\_elec:** Electricity
- enrgy\_source\_natgas:** Natural Gas
- enrgy\_source\_prop:** Propane or Liquefied Petroleum Gas

- enrgy\_source\_wood:** Wood
- enrgy\_source\_geo:** Geothermal
- enrgy\_source\_othr:** Other (please specify)
- enrgy\_source\_othr\_spec:** [VERBATIM]

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

[THIS PAGE ONLY DISPLAYED IF **enrgy\_source\_elec** IS SELECTED]

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 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\_source\_natgas** IS SELECTED]

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 [CHECK-BOX: 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 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 indicate 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\_ac:** Turned air conditioning 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 -----

Now think about the overall mix of all sources of electricity for Oklahoma. According to the U.S. Energy Information Administration, in Oklahoma we currently get about 76.5% of our electricity from fossil fuels, 23.5% from renewable sources (hydroelectric dams, wood, wind, biofuels, waste products, geothermal and solar), and 0% from nuclear energy. We want to know approximately what percentage of the total Oklahoma electricity supply over the next 20 years you would like to see come from each of these three primary sources. The percentages you indicate should sum to 100.  
[RANDOMIZE OPTION ORDER]

**okelec\_foss:** What percentage should come from fossil fuels, which currently provide about 76.5% of total Oklahoma electricity? [VERBATIM]  
**okelec\_nuc:** What percentage should come from nuclear energy, which currently provides 0% of total Oklahoma electricity? [VERBATIM]  
**okelec\_renew:** What percentage should come from renewable sources, which currently provide about 23.5% of total Oklahoma electricity? [VERBATIM]

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

Now we would like to provide you with some important information to consider before answering the following questions.

Some homeowners in Oklahoma are exploring the possibility of installing solar panels to generate some or all of their electricity using solar energy. Most homeowners with solar panels also choose to connect their home to the traditional electricity grid because there may be times when the solar panels do not generate enough electricity to meet 100% of the home's electricity needs, such as on cloudy days, or because the homeowner has only a limited number of panels installed. During these times, a customer can rely on the traditional power grid to meet the balance of their power needs. However, at other times, such as on

sunny summer afternoons, the solar panels may generate more electricity than the home needs, and at those times, electricity can be "exported" from a customer to the electric grid and be used by nearby utility customers.

**solar\_prop:** Do you have any solar panels on your property?  
0 – No  
1 – Yes

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

There is an ongoing debate about how homeowners with solar panels should be compensated for the solar electricity they generate and provide to the utility and electric grid.

A common term in this debate is **net metering**. Net metering is a billing program that credits solar energy system owners for the electricity they add to the grid. As mentioned above, during some points of the day, solar panels may generate more electricity than the home uses. This excess solar electricity is "exported" to the energy grid and can be used by nearby utility customers.

**heard\_netmeter:** Had you heard about net metering before reading about it in this survey?  
0 – No  
1 – Yes  
2 – Not sure

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

In Oklahoma, if a home is net-metered, during these times of solar energy export, the customer's electricity meter will run backwards to provide a credit against what electricity is consumed during other periods where the home's electricity use exceeds the system's output. Customers are then billed at the end of the month for their "net" energy use.

[RANDOMIZE THE PRESENTATION OF THE PRO vs CON BLOCKS]

When considering how utility customers with solar panels should be compensated for the solar electricity they generate, some people say:

[PRO BLOCK]

- These customers are helping utilities during high-demand hours such as hot sunny afternoons, relieving stress on the electric grid



and exporting clean power to other customers.

- Allowing customers to use all the solar credits they generate will help these customers offset their electricity bills, pay back their costs of installing solar panels faster and benefit Oklahomans by having more renewable energy available to be used by utility consumers.
- Because of the benefits they provide to the grid, these customers should be allowed to roll their credits forward from one monthly bill to another so that they are fairly compensated by the utility for the all electricity they are generating and providing to the grid.

Other people say:  
[CON BLOCK]

- Carrying solar credits forward across billing cycles creates subsidies for solar generating customers—if you generate solar energy during times of low prices, such as wintertime, you should not be able to “cash in” those credits later when prices may be higher, such as summertime.
- Utilities shouldn’t have to pay customers for excess solar generation because even when someone generates their own power from solar energy, the utility still has to assume all the costs that ensure that power is available to meet the full needs of the grid—you can’t count on solar energy, since some days are cloudy and the power might not be there when the utility needs it.
- Utilities shouldn’t have to pay consumers for energy that may take away from the utility’s revenues and lower the utility’s profits.

**net\_met\_info:** When thinking about this information, would you say you:

- 1 – Learned something new
- 2 – Already knew the information
- 3 – Don’t understand the information

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

**ok\_net\_met:** When you think about what the Oklahoma policy on **net metering** should be, do you think:

1 – Oklahoma should **not** allow net metering at all; people who generate solar energy at their home should not be allowed to generate any credits beyond what they can use at the time of generation.

2 – Oklahoma should allow net metering, *but* solar credits a homeowner generates from excess solar energy produced at his home should only be allowed to be used within the current month.

3 – Oklahoma should allow net metering, *but* solar credits a homeowner generates from excess solar energy produced at his home should only be allowed to be rolled forward for a period of up to 1 year.

4 - Oklahoma should allow net metering without time limits on solar credits a homeowner generates from excess solar energy produced at his home.

-----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\_secure:** 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\_ergy:** 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 -----

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

**vote:** Are you registered to vote?

0 – No

1 – Yes

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

**[SHOW ONLY IF vote = 1]**

**vote\_2016:** Did you vote for a presidential candidate in the 2016 election?

0 – No

1 – Yes

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

**[SHOW ONLY IF vote\_2016 = 1]**

**vote\_cand:** Who did you vote for? [RANDOMIZE ORDER EXCEPT 4 ALWAYS LAST]

0 – Donald Trump

- 1 – Hillary Clinton
  - 2 – Gary Johnson
  - 3 – Jill Stein
  - 4 – Someone else (please specify)
- vote\_cand\_spec:** [VERBATIM]

**vote\_cand\_spt:** Which of the following categories best describes your support for the candidate you voted for?

- 1 – Very weak
- 2 – Weak
- 3 – Moderate
- 4 – Strong
- 5 – Very strong

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

**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 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 -----

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 -----

**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 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 QUESTION 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

**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 2016) as compared to *previous falls*?

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 -----

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.

**giftcard\_selection:** Please select the type of gift card you would most like to receive from the four options shown below. You will be able to change your selection each time you complete the survey. Please note, if you do not make a selection from the choices below, we will select a \$10 Walmart gift card for you.

1 - \$10 Walmart gift card  
2 - \$10 7-Eleven gift card  
3 - \$10 Sonic gift card  
4 - \$10 Braum's gift card

To help us ensure that your gift card arrives quickly, please verify that our records are correct: [VERBATIM; AUTOFILLED WITH PRIOR DATA; EDITABLE]

**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:

**user\_id:** respondent id

**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