IRB NUMBER: 11841 IRB APPROVAL DATE: 12/22/2020

You are invited to participate in research regarding socially sustainable solutions for water, carbon and infrastructure resilience in Oklahoma. This study will ask you about your perceptions and experiences with weather/climate in Oklahoma, and to characterize and evaluate problem areas and potential solutions to weather/climate challenges. This is an important long-term study and we are looking for research partners throughout the state who are willing to share their experiences and views. We are contacting you because you indicated an interest in participating. You must be at least 18 years of age and be willing to provide your contact information to participate.

If you agree to participate, you will respond to an Internet survey that should take about 30 minutes to complete.

There are no risks or benefits.

If you participate, you will receive a $10 gift card, either mailed or emailed to you after you complete the survey.

Your participation is voluntary, and your responses will be de-identified before they are shared for research purposes or published. After removing all identifiers, we might share your data with other researchers or use it in future research without obtaining additional consent from you.

Even if you choose to participate now you may stop participating at any time and for any reason.

Data are collected via an online survey system that has its own privacy and security policies for keeping your information confidential.

If you have questions about this research, please contact:
Dr. Hank Jenkins-Smith
Institute for Public Policy Research and Analysis
University of Oklahoma
(405) 325-1720 or ippra@ou.edu

You can also contact the University of Oklahoma – Norman Campus Institutional Review Board at 405-325-8110 or irb@ou.edu with questions, concerns or complaints about your rights as a research participant, or if you don't want to talk to the researcher.

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

consent_18: Are you a U.S. citizen 18 years of age or older?
0 - No (If no – cannot participate)
1 - Yes

contact_consent: This project focuses on problems that are different across Oklahoma and it is important that we know where you live so that we can understand the problems in your area. Are you willing to provide us with your home address so that we can identify your area?
0 - No (If no – cannot participate)
1 - Yes

consent: Do you agree to participate in this study? [two buttons]
0 - No, I do not want to participate in this study
1 - Yes, I agree to participate in this study [IF **consent** = 0, skip to new page that says: "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 ippra@ou.edu."]

Thank you for participating in this study. The survey you are about to complete is different than most. We are not simply asking for opinions and preferences. We are asking for advice and guidance on how to tackle some of the biggest problems facing Oklahoma. While we will keep your identity strictly confidential, we are going to share the answers you provide with a team of scientists and policymakers across the state who are studying these problems and trying to develop creative solutions. Your responses will provide extremely valuable input into this process.

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First, we would like to get some background information about you.

age: How old are you? [verbatim; numeric]

gend: Are you male, female, or other?
0 - Female
1 - Male
2 - Other (please specify)
gend_specify: [verbatim]

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_specify: [verbatim]

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current_zip: What is the zip code at your current residence? [verbatim; numeric]

current_lngth: How many years have you lived at your current residence? [verbatim; numeric] years

adults: Including yourself, how many **adults age 18 and older** live in your current primary residence? [verbatim; numeric > 0]

children: How many **children age 17 and younger** live in your current primary residence? [verbatim; numeric]

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ok_lngth: How many years have you lived in Oklahoma? [verbatim; numeric] years

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home_lot: Which of the following best describes the property where you live?
1 - Urban
2 - Suburban
3 - Rural

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Water, land, and infrastructure affect prosperity and quality of life in many parts of Oklahoma. Scientists and decisionmakers working on this project are evaluating each of these resources and we want to know if you have any concerns about them.

We are currently thinking about three aspects when evaluating *water resources* in Oklahoma:

- Water availability: the supplies of water for various purposes, such as drinking, farming/ranching, recreation, or industrial processes
- Water quality: the suitability (cleanliness) of water for various purposes, such as drinking, farming/ranching, or recreation
- Water cost: the cost of water for various purposes, such as such as drinking, farming/ranching, or industrial processes

concern_water_availability: Do you have any concerns about *water availability* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

concern_water_quality: Do you have any concerns about *water quality* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

concern_water_cost: Do you have any concerns about the *cost of water* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

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We are currently thinking about two aspects when evaluating *land resources* in Oklahoma:

- Wildlife habitat: ecosystems that support animals and birds that people enjoy watching and hunting, such as butterflies, deer, quail, and turkey
- Soil quality: the suitability of soil for sustaining plants, animals, and livelihoods, such as productive farming and ranching

concern_land_wildlife: Do you have any concerns about *wildlife habitat* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

concern_land_soil: Do you have any concerns about *soil quality* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

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We are currently thinking about two aspects when evaluating *infrastructure* in Oklahoma:

- Electricity infrastructure: the generation facilities, substations, transmission lines, and distribution lines that deliver electricity to businesses and homes
- Transportation infrastructure: the roads, bridges, waterways, railways, and airways that facilitate transportation from place to place

concern_infra_electricity: Do you have any concerns about *electricity infrastructure* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

concern_infra_transportation: Do you have any concerns about *transportation infrastructure* in your region of Oklahoma?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

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If you were advising the scientists and policymakers who are working on this project, which of the following would you tell them require the most attention? Please rank the items from one (most attention) to six (least attention). [table; randomize; rank]

rank_water_availability: Water availability
rank_water_quality: Water quality
rank_water_cost: Water cost
rank_land_wildlife: Wildlife habitat
rank_land_soil: Soil quality
rank_infra_electricity: Electricity infrastructure
rank_infra_transportation: Transportation infrastructure

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Researchers and policymakers are also studying the impact of weather and climate hazards on *water*, *land*, and *infrastructure* resources in Oklahoma. The team is focusing on forecasts/predictions at three different time scales:

- Short-range weather forecasts that focus on the next day to two weeks
- Medium-range (seasonal) weather forecasts that focus on the next two weeks to 90 days
- Long-range climate predictions that focus on the next season to decade or more

Weather hazards that occur during the short-range weather time frame include tornadoes, hail, high winds, lightning, flooding/flash flooding and snow/ice storms.

How do you rate the risk of these weather hazards to people in Oklahoma? [table; randomize]

risk_tornado: Tornadoes
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_hail: Hail
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_wind: High winds
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_lightning: Lightning
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_flood: Flooding/flash flooding
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_snow_ice: Snow/ice storms
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

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Did you experience any of these weather hazards in the last 6 months? [table; randomize]

experience_tornado: Tornadoes
0 - No
1 - Yes

experience_hail: Hail
0 - No
1 - Yes

experience_wind: High winds
0 - No
1 - Yes

experience_lightning: Lightning
0 - No
1 - Yes

experience_flood: Flooding/flash flooding
0 - No
1 - Yes

experience_snow_ice: Snow/ice storms
0 - No
1 - Yes

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When you think about the next 25 years in Oklahoma, do you think the risk (frequency and severity) of these weather hazards will increase, decrease, or stay about the same? [table; randomize]

future_tornado: Tornadoes
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_hail: Hail
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_wind: High winds
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_lightning: Lightning
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_flood: Flooding/flash flooding
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_snow_ice: Snow/ice storms
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

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Hazards that occur during the medium-range (seasonal) weather time frame include:

- Flash drought: periods of intense drought that arise quickly and last for a few weeks
- Pluvials: periods of excessive precipitation/rain that last for a few weeks
- Heat waves: periods of excessively hot temperatures that last for a few weeks
- Cold spells: periods of excessively cold temperatures that last for a few weeks

How do you rate the risk of these seasonal hazards to people in Oklahoma? [table; randomize]

risk_flash_drought: Flash drought
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_pluvial: Pluvials (periods of excessive precipitation/rain)
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_heat_wave: Heat waves
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_cold_spell: Cold spells
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

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Did you experience any of these seasonal hazards in the last 6 months? [table; randomize]

experience_flash_drought: Flash drought
0 - No
1 - Yes

experience_pluvial: Pluvials (periods of excessive precipitation/rain)
0 - No
1 - Yes

experience_heat_wave: Heat waves
0 - No
1 - Yes

experience_cold_spell: Cold spells
0 - No
1 - Yes

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When you think about the next 25 years in Oklahoma, do you think the risk (frequency and severity) of these seasonal hazards will increase, decrease, or stay about the same? [table; randomize]

future_flash_drought: Flash drought
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_pluvial: Pluvials (periods of excessive precipitation/rain)
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_heat_wave: Heat waves
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_cold_spell: Cold spells
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

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There are multiple hazards that occur during the long-range climate time frame, but one of the most common in Oklahoma is long-term drought, which can last for several months.

risk_long_drought: How do you rate the risk of long-term drought to people in Oklahoma?
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

experience_long_drought: Did you experience long-term drought in the last 6 months?
0 - No
1 - Yes

future_long_drought: When you think about the next 25 years in Oklahoma, do you think the risk (frequency and severity) of long-term drought will increase, decrease, or stay about the same?
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase

5 - Significantly increase

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In addition to weather and climate hazards, Oklahoma also experiences other natural hazards, including wildfires and earthquakes.

How do you rate the risk of these hazards to people in Oklahoma? [table; randomize]

risk_wildfire: Wildfires
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

risk_earthquake: Earthquakes
1 - No risk
2 - Low risk
3 - Moderate risk
4 - High risk
5 - Extreme risk

Did you experience any of these hazards in the last 6 months? [table; randomize]

experience_wildfire: Wildfires
0 - No
1 - Yes

experience_earthquake: Earthquakes
0 - No
1 - Yes

When you think about the next 25 years in Oklahoma, do you think the risk (frequency and severity) of these hazards will increase, decrease, or stay about the same? [table; randomize]

future_wildfire: Wildfires
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

future_earthquake: Earthquakes
1 - Significantly decrease
2 - Decrease
3 - Stay about the same
4 - Increase
5 - Significantly increase

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We have a few more questions about medium-range (subseasonal to seasonal) weather forecasts that focus on the next two weeks to 90 days. These forecasts generally encompass longer time frames than forecasts you might see on television or a phone application. For example, a medium-range forecast might predict heavy precipitation or unusually low temperatures 3 – 4 weeks from now.

s2s_aware: Before reading this information, were you aware that forecasts predicting weather conditions for the next two weeks to 90 days are available?
0 - No
1 - Yes
2 - Not sure

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[If **s2s_aware** = 1]

s2s_access: How often do you use medium-range weather forecasts (e.g., forecasts predicting conditions 3-4 weeks in advance)?
1 - Never
2 - Rarely
3 - Occasionally
4 - Regularly
5 - Frequently

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[If **s2s_access** > 2]

What are your primary sources for obtaining medium-range weather forecasts? Please select all that apply.
wthr_info_paper: Newspapers
wthr_info_web: Non-government Internet websites (such as weather.com)
wthr_info_govweb: Government Internet websites (such as weather.gov)
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 X (previously known as Twitter)
wthr_info_phone: Cell phone applications or automated text messages

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[If **s2s_access** > 2]

s2s_use: For what purposes do you use medium-range weather forecasts (e.g., planning outdoor activities, agriculture, travel)? [verbatim]

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[If **s2s_access** > 2]

s2s_trust: How much trust do you place in the accuracy of medium-range weather forecasts?
1 - No trust
2 - Low trust
3 - Moderate trust
4 - High trust
5 - Complete trust

s2s_reliable: Have you found medium-range weather forecasts to be reliable in your experience?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes

5 - Definitely yes

s2s_detail: Do you feel that medium-range forecasts provide enough detail and specificity for your needs?
1 - Definitely no
2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

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[If **s2s_access** < 3]

You indicated that you never or rarely access medium-range weather forecasts (e.g., forecasts predicting conditions 3-4 weeks in advance). Can you tell us why? Please select all that apply.
s2s_access_no_fnd: I don't know where to find these forecasts.
s2s_access_no_inacc: I believe these forecasts are too inaccurate or unreliable.
s2s_access_no_rel: These forecasts are not relevant to my daily life or activities.
s2s_access_no_int: I find it hard to interpret what these forecasts mean for my specific location or needs.
s2s_access_no_oth: Other (please specify)
s2s_access_oth_spec: [verbatim]

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Here is an example medium-range forecast from the National Weather Service.

[randomize **cpc_image_rand**: percent_format | word_format]

cpc_see: Have you previously encountered a forecast similar to the one shown above?
0 - No
1 - Yes
2 - Not sure

cpc_int_sub: How confident are you in your ability to understand the information presented in this type of forecast?
1 - Not at all confident
2 - Slightly confident
3 - Moderately confident
4 - Very confident
5 - Extremely confident

cpc_int_obj: Based on this forecast, would you say that Oklahoma is...
1 - Very likely to experience *above* normal temperatures in 3-4 weeks
2 - Somewhat likely to experience *above* normal temperatures in 3-4 weeks
3 - Very likely to experience *below* normal temperatures in 3-4 weeks
4 - Somewhat likely to experience *below* normal temperatures in 3-4 weeks
5 - Equally likely to experience *above* or *below* normal temperatures in 3-4 weeks

cpc_use: How likely are you to use a forecast like this for making future decisions?
1 - I am not at all likely to use it
2 - I am not very likely to use it
3 - I am unsure if I would use it
4 - I am very likely to use it
5 - I am extremely likely to use it

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[If **cpc_int_sub** < 3]

[randomize **cpc_image_rand]**

cpc_int_no_why: You indicated that you are not confident in your ability to understand this type of forecast. Can you tell us what aspects of the forecast or graphic are most confusing? [verbatim]

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[If **cpc_use** < 3]

[randomize **cpc_image_rand]**

You indicated that are unlikely or not very likely to use forecasts like this for making future decisions. Can you tell us why? Please select all that apply.
cpc_use_no_fnd: I don't know where to find forecasts like this.
cpc_access_no_inacc: I believe forecasts like this are too inaccurate or unreliable.
cpc_access_no_rel: Forecasts like this are not relevant to my daily life or activities.
cpc_access_no_int: I find it hard to interpret forecasts like this.
cpc_access_no_oth: Other (please specify)
cpc_access_oth_spec: [verbatim]

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The United States has allocated substantial resources to short-range weather forecasts, which predict conditions from the next day up to two weeks, and to long-range climate predictions that span from the upcoming season to the next decade and beyond. Medium-range weather forecasts, which provide predictions for the next two weeks to 90 days, have received comparatively less investment. As a result, medium-range forecasts are less prevalent, accessible, and accurate than short- and long-term forecasts.

Researchers are confident that enhancements in medium-range forecasting will increase the quality of these predictions. Such advancements would not only refine our predictions of deviations from average temperatures and rainfall but would also enable the anticipation of extreme weather events such as flash droughts, periods of excessive precipitation/rain, heatwaves, and cold spells with several weeks' notice.

s2s_vote_gov: Imagine that government officials are considering a proposal to increase funding for medium-range weather forecasting. The funding would continue for up to 10 years if improvements forecast quality were evident. Would vote you in favor of the proposal if it would not cost you anything?
1 - Definitely vote *against* the proposal
2 - Probably vote *against* the proposal
3 - Not sure
4 - Probably vote *in favor* of the proposal
5 - Definitely vote *in favor* of the proposal

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[if **s2s_vote_gov** = 4 or 5]

s2s_wtp: Would you vote in favor of the proposal to increase funding for medium-range weather forecasting if it were to increase your taxes by $[**s2s_bid:** $1:100] a year for the next 10 years?
0 - No (vote *against* the proposal)
1 - Yes (vote *in favor* of the proposal)
2 - Not sure

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[if **s2s_wtp** = 1]

s2s_wtp_con_yes: On a scale from zero to ten, where zero means *not at all certain* and ten means *completely certain*, how certain are you that you would vote *in favor* the proposal if it would increase your taxes by $[**s2s_bid**] for the next 10 years?
0 - Not at all certain
1
2
3
4
5
6
7
8
9
10 - Completely certain

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[if **s2s_wtp** = 0]

s2s_wtp_con_no: On a scale from zero to ten, where zero means *not at all certain* and ten means *completely certain*, how certain are you that you would vote *against* the proposal if it would increase your taxes by $[**s2s_bid**] for the next 10 years?
0 - Not at all certain
1
2
3
4
5
6
7
8
9
10 - Completely certain

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[ask if **s2s_vote_gov** = 1 or 2 or **s2s_wtp** = 0]

s2s_comm_agnst: Can you explain why you would vote *against* the proposal to increase funding for medium-range weather forecasting? [verbatim]

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[ask if **s2s_vote_gov** = 3 or **s2s_wtp** = 2]

s2s_comm_unsur: Can you explain why you are *not sure* if you would vote in favor of the proposal to increase funding for medium-range weather forecasting? [verbatim]

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s2s_passed: Imagine that the proposed funding increase for medium-range weather forecasting has been approved, leading to improved quality in forecasts. Would you utilize these enhanced forecasts in your decision-making process?
1 - Definitely no

2 - Probably no
3 - Unsure
4 - Probably yes
5 - Definitely yes

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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

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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 ["are" if **glbcc** = 1; "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

glbwrm_ok: In your view, is global warming causing the weather patterns in Oklahoma to change?
0 - No
1 - Yes
2 - Don't know

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Now we'd like to know a little bit about what you think about the following parts of your life and your community. In the past 30 days, how would you rate the quality of: [table; randomize]
rate_family: Your family life

1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_social: Your social life
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_health: Your personal physical health
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_ment: Your personal mental health
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_finances: Your financial stability
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_home_val: The value of your home or property you own (*please skip if this question does not apply to you*)
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_savings: Your savings or emergency money
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_environment: The natural environment where you live
1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

rate_roads: The roads and bridges where you live

1 - Very poor
2 - Below average
3 - Average
4 - Above average
5 - Excellent

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We'd also like to know a little bit about how you respond to stressful experiences. Below is a list of things people sometimes experience after a very stressful event. Please read each statement below and select how often you experience the following after a stressful event. [table; randomize]

sf_pcl_reliving: Suddenly feeling or acting as if the stressful experience were actually happening again (as if you were actually back there reliving it)?
1 - Not at all
2 - A little bit
3 - Moderately
4 - Quite a bit
5 - Extremely

sf_pcl_avoid_reminders: Avoiding external reminders of the stressful experience (for example, people, places, conversations, activities, objects, or situations)?
1 - Not at all
2 - A little bit
3 - Moderately
4 - Quite a bit
5 - Extremely

sf_pcl_distant: Feeling distant or cut off from other people?
1 - Not at all
2 - A little bit
3 - Moderately
4 - Quite a bit
5 - Extremely

sf_pcl_irritable: Irritable behavior, angry outbursts, or acting aggressively?
1 - Not at all
2 - A little bit
3 - Moderately
4 - Quite a bit
5 - Extremely

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fut_hlth_srvy: Researchers and policymakers are interested studying the impact of extreme weather on public health and quality of life in Oklahoma. As part of this effort, some people from this project are working on a separate project that will involve a short survey immediately following extreme weather events. If you choose to participate, we will ask you similar questions to the ones above. Would you be willing to take a short survey after an extreme weather event in the future?
0 - No
1 - Yes

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Solving problems as a group or community can be contentious and technically complex, so getting information you can trust is important. How much do you trust information from the following groups and organizations? [table; randomize]

trust_policy: State and local policymakers and elected officials
1 - No trust
2 - Low trust
3 - Moderate trust
4 - High trust
5 - Complete trust

trust_agencies: State and local agencies that regulate water, land, and infrastructure resources
1 - No trust
2 - Low trust
3 - Moderate trust
4 - High trust
5 - Complete trust

trust_private: Private companies whose operations use water, land, and infrastructure resources
1 - No trust
2 - Low trust
3 - Moderate trust
4 - High trust
5 - Complete trust

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party: Generally speaking, do you usually think of yourself as a Republican, a Democrat, an Independent, or what?
1 - Democratic party
2 - Republican party (or GOP)
3 - Independent
4 - Other party (Please specify)
party_spec: [verbatim]

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[If **party** = 1 or 2]

iden: Would you call yourself a strong [Democrat if **party** = 1; Republican if **party** = 2] or a not very strong [Democrat if **party** = 1; Republican if **party** = 2]?
2 - Strong
1 - Not very strong

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[If **party** = 3 or 4]

lean: Do you think of yourself as closer to the Republican or Democratic Party?
1 - Democratic Party
2 - Republican Party
3 - Neither

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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

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vote_ loc: Do you usually vote in *local elections*, such as mayor, city council, and school board elections?
0 - No
1 - Yes

talk_politics_friends: How often do you talk about politics and policy with people you know, like friends and family?
1 - Never
2 - Rarely
3 - Occasionally
4 - Regularly
5 - Frequently

talk_politics_strangers: How often do you talk about politics and policy with people you don't know, such as on Facebook or Twitter?
1 - Never
2 - Rarely
3 - Occasionally
4 - Regularly
5 - Frequently

att_politics: Do you pay attention to current conversations about policies, development, and politics in your local area?
1 - Never
2 - Rarely
3 - Occasionally
4 - Regularly
5 - Frequently

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If you were in charge of solving contentious and technically complex problems in Oklahoma, how much of a role would you give to the following? Please assign a percentage to each of the following, totaling 100%. [table; randomize; must add to 100; show calculator]

role_policy: Policymakers and elected officials [verbatim; numeric]
role_science: Scientists and technical experts [verbatim; numeric]
role_public: Members of the general public [verbatim; numeric]
role_business: Businesses and entrepreneurs [verbatim; numeric]
role_nonprofit: Nonprofit organizations [verbatim; numeric]

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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

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inc: Was the estimated annual income for your household in 2023:
1 - Less than $50,000 [skip to **inc50**]
2 - At least $50,000 but less than $100,000 [skip to **inc100**]
3 - At least $100,000 but less than $150,000 [skip to **inc150**]
4 - $150,000 or more [skip to **inc200**]

income_people: Including yourself, how many people contributed to the annual income for your household in 2023? [verbatim; require numeric > 0]

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inc50: Was the estimated annual income for your household in 2023:
1 - Less than $10,000
2 - $10,000 to less than $20,000
3 - $20,000 to less than $30,000
4 - $30,000 to less than $40,000
5 - $40,000 to less than $50,000

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inc100: Was the estimated annual income for your household in 2023:
6 - $50,000 to less than $60,000
7 - $60,000 to less than $70,000
8 - $70,000 to less than $80,000
9 - $80,000 to less than $90,000
10 - $90,000 to less than $100,000

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inc150: Was the estimated annual income for your household in 2023:
11 - $100,000 to less than $110,000
12 - $110,000 to less than $120,000
13 - $120,000 to less than $130,000
14 - $130,000 to less than $140,000
15 - $140,000 to less than $150,000

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inc200: Was the estimated annual income for your household in 2023:
16 - $150,000 to less than $160,000
17 - $160,000 to less than $170,000
18 - $170,000 to less than $180,000
19 - $180,000 to less than $190,000
20 - $190,000 to less than $200,000
21 - $200,000 or more

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As part of this project, we are inviting a select group of people to participate in a citizen science initiative where we are asking participants to provide pictures of a nearby landscape using smartphone app called **Field Photo 2**. In exchange for participating, participants will receive an extra $10 gift card.

smartphone: Do you have a smartphone that can download applications and take pictures?
0 - No
1 - Yes

citizen_science: Are you willing to download and use **Field Photo 2** to provide pictures of a nearby landscape?
0 - No
1 - Yes

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[If **norman_area** = 1]

We are also inviting a select group of people who live in central Oklahoma to participate in a project that will focus on engineering and community development. The project will involve a few short surveys and a **two-day in-person workshop** that will take place in Norman in early October. We are still working on the details, but the workshop will begin around 8:30 AM and conclude around 3:30 PM on the first day and go from 8:30 AM to 1:00 PM on the second day. Breakfast and lunch will be provided on both days.

Participants will receive a $200 gift card in appreciation for participating in the two-day workshop.

cinr_participate: Are you willing (and able) to participate in this workshop? We ask that you only say yes if you are willing to commit to both days of the workshop.
0 - No
1 - Yes
2 - Possibly (please send me more information)

cinr_preference: We are still working to choose the exact dates of the workshop. If you are able to attend, would you prefer:
1 - Thursday, October 3rd and Friday, October 4th
2 - Friday, October 4th and Saturday, October 5th
3 - Both options work for me

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Thank you very much for completing this survey. Your responses will help our team of scientists and policymakers identify and solve some of the biggest problems facing Oklahoma. As a token of our appreciation, you will be receiving a $10 gift card by mail or email in 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 select from the choices below, we will select a $10 Walmart gift card for you.
1 - $10 Walmart gift card
4 - $10 Amazon **e-card (will be sent via email)**

Please verify that our records are correct: [verbatim; autofill with prior data if available; require response]
confirm_fname: First name: [verbatim]
confirm_lname: Last name: [verbatim]
confirm_address: Address: [verbatim]
confirm_city: City: [verbatim]
state: Oklahoma
confirm_zip: Zip: [verbatim; 5-digit numeric]
confirm_county: County: [drop down list of counties]

confirm_phone: Phone: [verbatim; numeric
confirm_email: Email: [verbatim]

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[If **smartphone** = 1 and **citizen_science** = 1]

Thank you for volunteering to participate in our citizen science project! To participate, please follow these directions:

(1) Use your smartphone application store (such as the Apple App Store or Google Play) to find and download **Field Photo 2**

(2) Open **Field Photo 2** and create an account using the email address we have on file: [autofill]

(3) Follow these instructions to take and upload pictures of a nearby landscape within 1 week of completing this survey. [video in webpage: http://www.eomf.ou.edu/static/Field%20Photo%20Animation%20Draft%2003.mp4]

(4) That's it! We will watch for your pictures and mail you a gift card within a few weeks of receiving them!

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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 by mail or email within the next few weeks.