

Appendix B

Public Meeting Materials

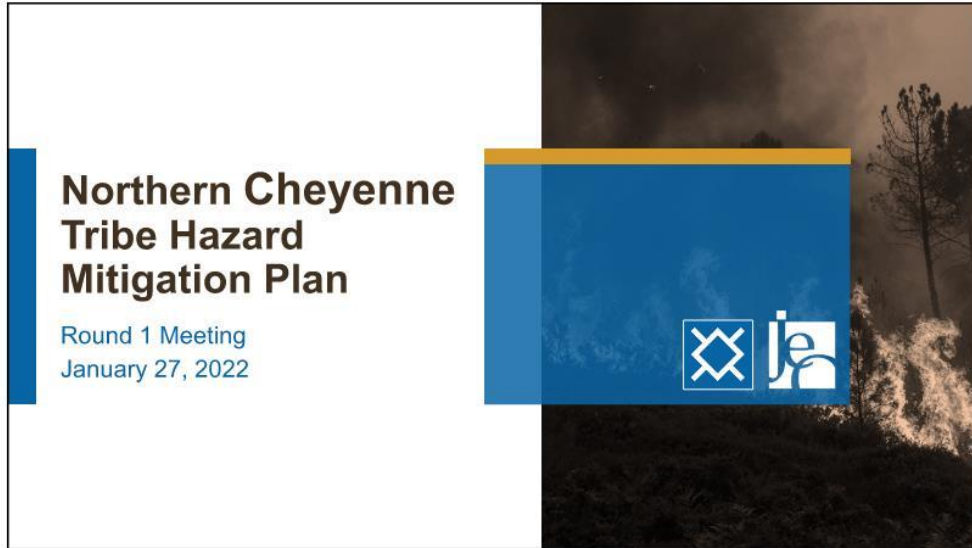
CONTENTS:

- 1. Round 1 Meeting PowerPoint**
- 2. Round 2 Meeting PowerPoint**
- 3. Public Survey**

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Round 1 Meeting PowerPoint Slides

1/27/2022



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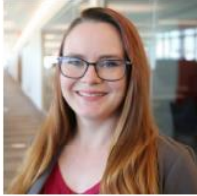
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Welcome!


Housekeeping

- This meeting is being recorded
- Microphones are currently muted – unmute or use chat box to ask questions or provide comments
- Feel free to ask questions!



Brooke Seachord, CFM
JEO PROJECT COORDINATOR

Kayla Vondracek
JEO PROJECT PLANNER



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Introductions

- **If joining online:**
 - Use the chat box to enter:
 - Your name(s) & title(s)
 - Jurisdiction (or agency) you're representing
- **If joining by phone:**
 - Send an email to Brooke: bseachord@jeo.com
 - Include everyone that attended



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What is Hazard Mitigation?

FEMA defines Mitigation as:

"...efforts to reduce loss of life and property by lessening the impact of disasters; taking action now—before the next disaster—to reduce human and financial consequences later (analyzing risk, reducing risk, insuring against risk)."

HMPs are **community driven, living documents** which evaluate local risks and vulnerabilities to a range of natural and man-made hazards and identify strategies to reduce those risks.

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Why Develop and Update the Plan?

- Provides the foundation for a stronger, more resilient tribal community
- Federal regulations require HMPs for jurisdictions to be eligible for FEMA Grant Programs
- HMPs must be updated and approved by FEMA every 5 years
- And...

Mitigation Works!


On average, a dollar spent on mitigation saves \$6 in future disaster costs

- Multi-Hazard Mitigation Council of the National Institute of Building Sciences

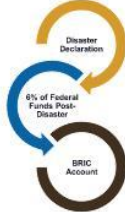
<https://www.nibs.org/projects/natural-hazard-mitigation-saves-2019-report>

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FEMA Mitigation Funding



- Triggered by presidential disaster declaration
- Open applications; awards based on available funding



- \$25 million set aside for Tribes. \$1 million per applicant
- National Set-Aside: \$919M in 2021
- Application period: Oct – Jan; Award: Aug–Oct
- Can submit NOI at any time



- Annual appropriation (\$160M in 2021)
- FEMA administered
- 75/25 cost share
 - Up to 100% for severe repetitive loss properties

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Other Funding Opportunities

HMP projects are not just for FEMA funds!

- Community Development Block Grants (CDBG)
- Housing Improvement Program (HIP)
- Drinking Water State Revolving Funds (SRF)
- Indian Environmental General Assistance Program


- Environmental Planning and Historic Preservation
- United States Department of Agriculture – loans/grants
- Climate Adaptation Fund/Tribal Climate Resilience Program
- Environmental Quality Incentives Program (EQIP)

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Types of Eligible Projects




Building Codes Adoption and Enforcement




Streambank or Hillside Stabilization




Tribal Power Microgrid




Backup Generators





Plan Development:
HMPs, CWPPs,
Climate Action Plans



Flood Mitigation Projects



Hazardous Fuels Reduction



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What Will the Plan Include?

Plan Includes Sections on:

- Description of Planning Process
- Planning Area Profile – demographics, at-risk facilities, cultural resources, transportation corridors, and much more
- Discussion of Local Capabilities
- Hazard Specific Risk Assessment
- Mitigation Actions and Strategies
- Plan Implementation and Maintenance

Emphasis on Resiliency and Local Resources

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Hazard Event Discussion

- Hazards of Top Concern
 - Drought and Extreme Heat
 - Flooding
 - Thunderstorms
 - Wildfire
 - Winter Storms


- Hazards with Lower Probability
 - Volcanic Eruption
 - Terrorism
 - Landslides
 - Earthquake
- Man-made Hazards
 - Public Health Concerns
 - Hazardous Materials



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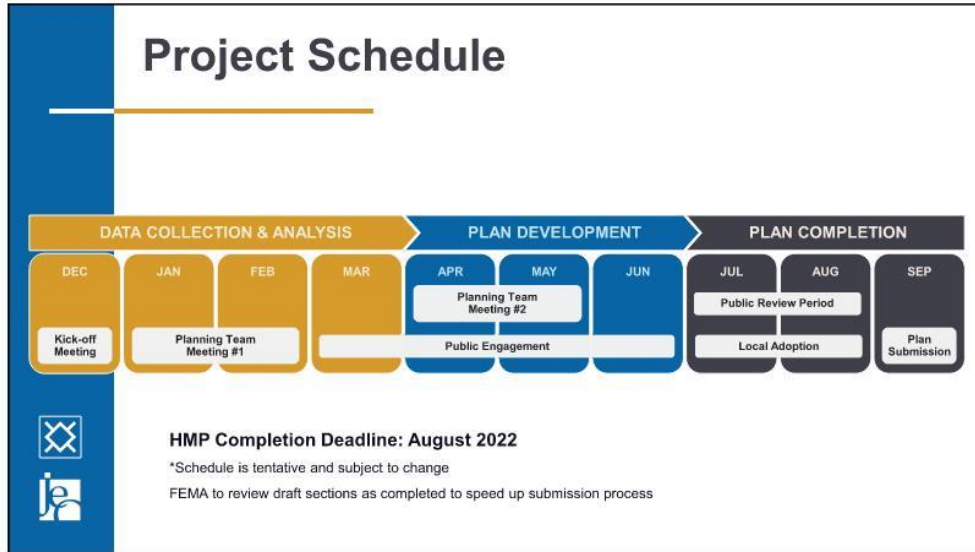
Hazard Events and Impacts

	Drought & Extreme Heat	Flooding Thunderstorms	Wildfire Winter Storms
What happened?	What damages occurred?	Who was impacted?	How did you recover?
<ul style="list-style-type: none"> - When did major events occur? - What areas of the community or reservation were impacted? 	<ul style="list-style-type: none"> - What property was damaged? - Loss of power, utilities, or access to facilities or services - What did repairs cost? 	<ul style="list-style-type: none"> - Injuries, fatalities, or evacuations? - What manpower was needed to respond? 	<ul style="list-style-type: none"> - How did you repair? - What was done to prevent future impacts? - What do you still need to do?



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In-Kind Tracking

FEMA grant used for this planning process

- 75% Federal funds, 25% local match
- In-kind labor being used for local match

Please track your time!

- Report all time to Angel spent working on the HMP
- Collecting data, filling out worksheets, phone calls about the plan, attending meetings
- Mileage also counts!

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Next Steps

Tribal Action Items

- Send information/pictures to Brooke: bseachord@jeo.com
- Invite others to participate
- Visit project website: <https://jeo.com/nct-hmp>
- Track time!

JEO Action Items

- Conduct data collection/analysis
- Hazard Risk Assessment



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Project Contacts

JEO Consulting Group

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Northern Cheyenne Tribe

Angel Becker | 406.855.9928
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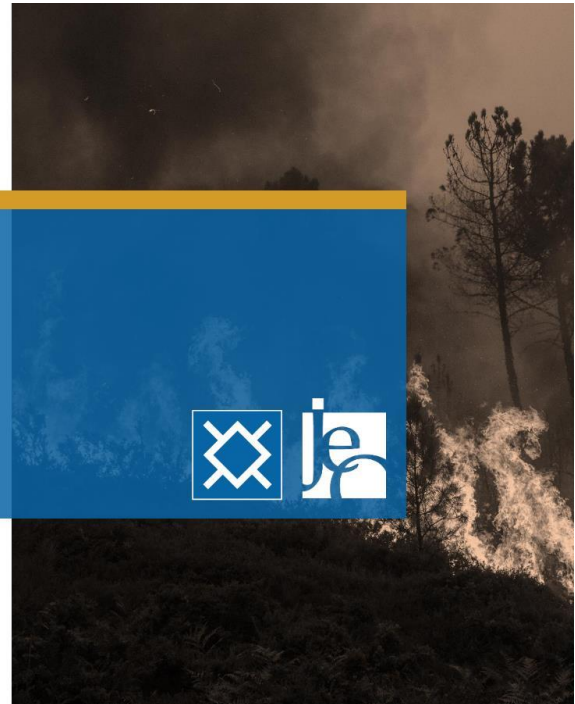
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Round 2 Meeting PowerPoint Slides

Northern Cheyenne Tribe Hazard Mitigation Plan

Round 2 Meeting
April 21, 2022



Agenda

- 01 Introductions & Housekeeping
- 02 Public Survey!
- 03 HMP Overview & Components
- 04 Critical Facilities
- 05 Mitigation Strategies and Actions
- 06 Schedule and In-Kind Tracking
- 07 Next Steps



Welcome!

Housekeeping

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- Restrooms and phones
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Introductions



Brooke Seachord, CFM
JEO PROJECT
COORDINATOR



Kayla Vondracek
JEO PROJECT
PLANNER



Public Survey



www.surveymonkey.com/r/8CTKB7R

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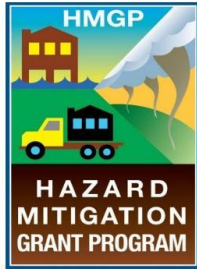
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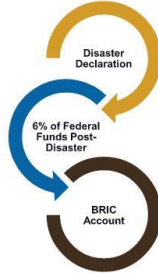
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Examples of Projects




Building Codes Adoption and Enforcement



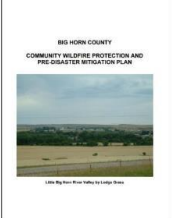
Streambank or Hillside Stabilization




Tribal Power Microgrid




Backup Generators





**Plan Development:
HMPs, CWPPs,
Climate Action Plans**



Flood Mitigation Projects



Hazardous Fuels Reduction

What does the plan include?

Plan Sections:

1. Introduction
2. Description of Planning Process
3. Planning Area Profile – demographics, at-risk facilities*, cultural resources, transportation corridors, and much more
4. Hazard Analysis and Risk Assessment
5. Mitigation Strategies and Actions*
6. Plan Integration and Capabilities
7. Action Plan and Maintenance

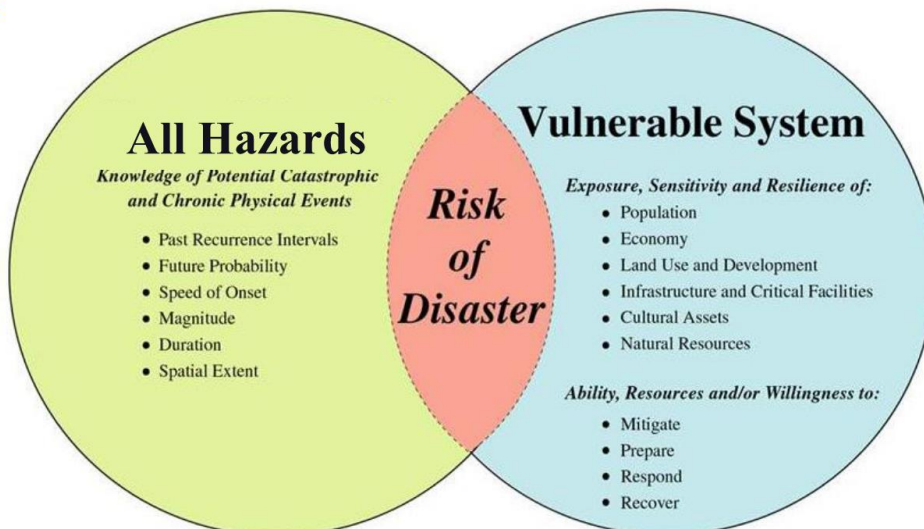
Emphasis on Resiliency and Local Resources

Hazards Evaluated in HMP

- Drought and Extreme Heat
- Earthquakes
- Flooding
- Hazardous Materials
- Landslides
- Public Health Concerns
- Thunderstorms
- Terrorism
- Tornadoes and High Winds
- Wildfire
- Winter Storms

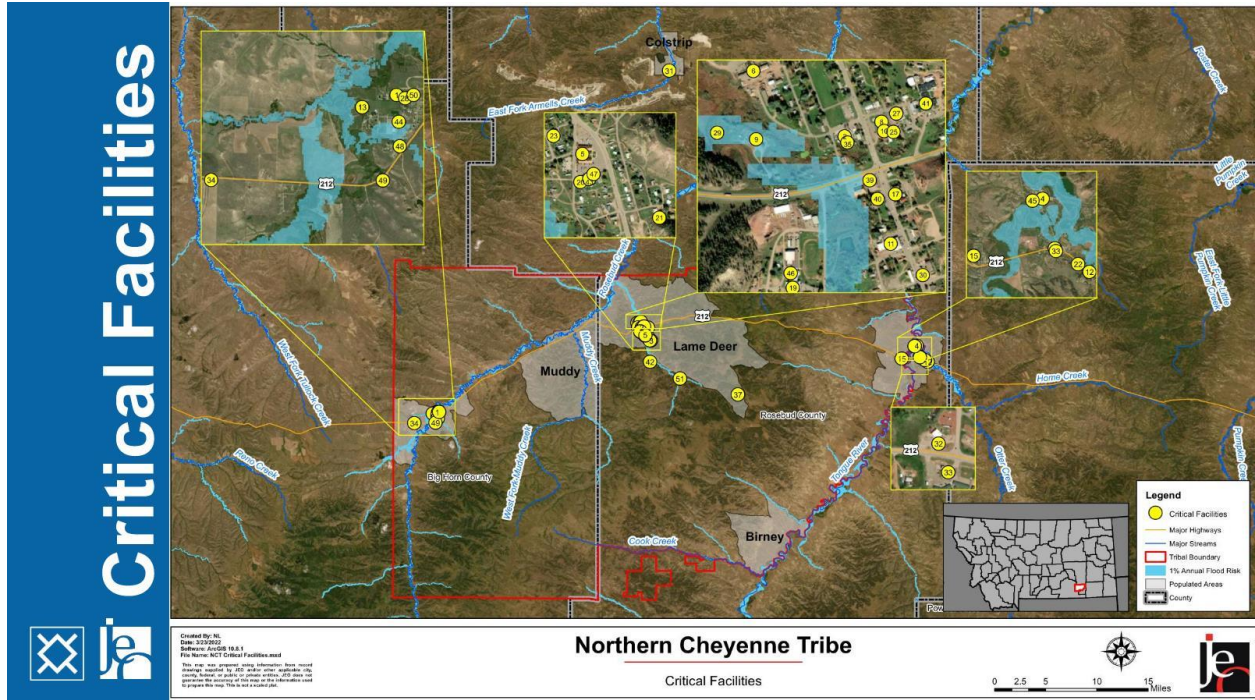


Risk Assessment Process



<http://pubs.usgs.gov/fs/2011/3008/>





Community Lifelines

lifelines@fema.dhs.gov | fema.gov/media-library/assets/documents/17722

Definition
A lifeline enables the continuous operation of critical business and government functions and is essential to human health and safety or economic security.

Purpose
 Root Cause Analysis
 Interdependencies
 Prioritization
 Ease of Communication

Assessing
 Status → What?
 Impact → So What?
 Actions → Now What?
 Limiting Factors → What's the Gap?

Stabilization
Occurs when basic lifeline services or capabilities are provided to survivors (may be temporary solutions requiring sustainment).

COMPONENTS of Lifelines

November 2019



Mitigation Strategies

Review and Update Past Actions



Title and Description



Timeline to Implementation



Priority Level



Lead Agency




Estimated Cost & Potential Funding



Status



Go to
www.menti.com
 Enter the code
7654 5624



Or use QR code

Project Schedule



HMP Completion Deadline: August 2022

*Schedule is tentative and subject to change

FEMA providing preliminary review to speed up approval process

In-Kind Tracking

FEMA grant used for this planning process

- 75% Federal funds, 25% local match
- In-kind labor being used for local match

Please track your time!

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- Mileage also counts!



Next Steps

Tribal Action Items

- Complete and share project survey!
- Visit project website: <https://jeo.com/nct-hmp>
- Track time!

JEO Action Items

- Integrate information from today
- Prepare plan for Public Review





Project Contacts

JEO Consulting Group

Brooke Seachord | 402.474.8741
bseachord@jeo.com

Kayla Vondracek | 402.474.8754
kvondracek@jeo.com

Northern Cheyenne Tribe

Angel Becker | 406.855.9928
a.beckerncdes@gmail.com



Public Survey Draft

Northern Cheyenne Tribe Hazard Mitigation Plan Survey

* 1. Are you representing yourself as a resident of the reservation or as part of an tribal program? If so, what program? (council representative, BIA, local business, etc.)

2. What types of hazardous events have you experienced personally on the reservation? (check all that apply)

- Drought and Extreme Heat
- Earthquake
- Flooding
- Hazardous Material Spills
- Public Health Concerns (water quality, public health, agricultural disease)
- Terrorism
- Thunderstorms
- Tornadoes and High Winds
- Volcanic Eruptions
- Winter Storms
- Wildfire

* 3. How have each of the following hazards impacted you/your home/your neighborhood/your work/etc.?

Drought and Extreme Heat	<input type="text"/>
Earthquakes	<input type="text"/>
Flooding	<input type="text"/>
Hazardous Materials Spills	<input type="text"/>
Public Health Concerns	<input type="text"/>
Terrorism	<input type="text"/>
Thunderstorms	<input type="text"/>
Tornadoes and High Winds	<input type="text"/>
Volcanic Eruptions	<input type="text"/>
Winter Storms	<input type="text"/>
Wildfire	<input type="text"/>

4. Please rank these natural hazard events from most concerning to least concerning to you.

- Drought and Extreme Heat
- High Winds and Tornadoes
- Earthquake
- Flooding
- Thunderstorms
- Winter Storms
- Wildfire
- Tornadoes and High Winds
- Terrorism
- Public Health Concerns
- Hazardous Material Spills

5. Have you or a member of your household taken any of the following actions to protect your home?

	Have Done	Plan to Do	Not Done	Unable to Do	Not Applicable
Elevated your home for flood protection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moved out of hazardous areas (floodplain or near major highways)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Braced or reinforced walls, foundations, chimneys, or utilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anchored your home/trailers/tanks to foundation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fire-resistant building or roof materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintain 30' of bare space around homes or buildings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Signed up for emergency alerts from your county emergency management agency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended safety related training and certifications (CERT, First Aid, CPR, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developed a Home Emergency Plan that describes what you will do during a natural disaster	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identified the safest place to be in your home/work during a tornado	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identified the safest place to be in your home/work during an earthquake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upgraded home energy utilities for increased efficiency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 6. Preparing for a disaster can take many forms. How important is it to mitigate potential hazard risk to the following?

	Very Important	Somewhat Important	Neutral	Somewhat Not Important	Not Important
Protecting people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting private property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting tribal assets (parks, community buildings, cultural markers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting critical facilities (hospitals, fire/police stations, school facilities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preventing development in hazardous areas (example - flood prone areas)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting natural environments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting historical/cultural landmarks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increasing cooperation between emergency response agencies and the public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving notification and weather alert communication systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving emergency response capabilities (fire/police/emergency management equipment and training)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase or improve education for disaster preparedness (evacuation, weather safety, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protecting energy resources and utilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. What buildings in your community are the most valuable when there is an emergency or power outage?

8. What are the best ways for you to receive information about preparing for a disaster?
(check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Tribal Website | <input type="checkbox"/> Newsletters |
| <input type="checkbox"/> Social Media (Facebook/Twitter) | <input type="checkbox"/> Public Meetings |
| <input type="checkbox"/> Emergency Text Alerts | <input type="checkbox"/> Social Events (fairs, craft shows, sport events,
etc.) |
| <input type="checkbox"/> Radio Alerts | |

Other (please specify)

* 9. What is one thing you'd like the Northern Cheyenne Tribe to do to help reduce risk to natural disasters or severe weather events in the future?

For more information about the Northern Cheyenne Tribe Hazard Mitigation Plan please go to the project website: <https://jeo.com/nct-hmp>