

Montana Western Region Regional Hazard Mitigation Plan Risk Assessment Meeting Summary

September 12, 2022, 10:00 am – 12:00 pm
Virtual Meeting via Microsoft Teams

Introductions and Opening Remarks

This document summarizes the risk assessment meeting held for the Montana Western Region Hazard Mitigation Plan. The meeting was conducted by Wood Environment & Infrastructure Solutions, Inc. (Wood), the consultant firm hired to facilitate the planning process and develop the updated plan. The purpose of the meeting was to review the highlights of the updated Hazard Identification and Risk Assessment and revisit the plan's goals with the Western Region Hazard Mitigation Planning Committee. This meeting was delivered as a virtual web meeting via Teams. Slido was used periodically to gather input from the planning team, including attendance.

Amy Carr, Lead Planner at Wood, began the meeting with introductions. Emergency Management Coordinators and other representatives from counties and the Confederated Salish and Kootenai tribes in the Western Region attended the meeting, along with representatives from State of Montana Department of Emergency Service (DES) and key stakeholders (see attendance list attached). The primary focus of this meeting was to review the various hazards that can impact the Western Region and get input from participating jurisdictions on the hazard ranking significance.

Review of the Hazard Mitigation Planning Process

A PowerPoint presentation was presented by Amy Carr and Jeff Brislawn Project Manager with Wood, accompanied by Tim Clute and Emily Geery with SWCA, who presented the wildfire slides. Amy started the meeting by outlining the FEMA nine-step planning process and discussed the project status, now in step 5. Amy also discussed the Disaster Mitigation Act of 2000, which set the guidelines for Hazard Mitigation Plan development. These Hazard Mitigation plans need to be updated every five years to maintain eligibility for mitigation project funding. Amy then reviewed the progress so far. Due to technical difficulties, the public survey for the Western Region will remain open until October 8th to allow additional time for community members to submit their responses. Amy asked the HMPC to send screenshots and links of how the public survey

was communicated to their respective jurisdictions to herself or Andrew Long, DES Coordinator.

Highlights from Returned Data Collection Guides

Amy continued by reviewing highlights from the Data Collection Guides responses. Many counties commented on the increasing growth and development within their communities and concerns with an increase within the wildland urban interface (WUI) areas. S Others noted minimal development and population growth occurring, including Powell and Anaconda-Deer Lodge Counties.

Amy reminded the HMPC to fill out and return the data collection guides as soon as possible if they have not already, as the information in those guides is used to help inform the risk assessment and get a better understanding of the impacts each hazard has on unique jurisdictions.

Cliff Brophy with Sweet Grass County DES noted that he has a large file of information that goes along with the data collection guide form and that he will coordinate with Andrew Long to provide that information after the meeting. Amy asked if there was any additional information that the HMPC wanted to add not covered in the data collection guides, to which Juanita Nelson with Flathead County noted that radio and cell phone coverage is a major issue for communities in the region. Even main transportation corridors do not have adequate cell phone coverage.

Highlights of Hazards Identification and Risk Assessment (HIRA)

Amy then reviewed the 48 disaster declarations declared in the Western Region since 1953, 31 of which were for wildfires. She also explained that 12 of the 48 disaster declarations have been in the last 5 years. Amy then discussed how the asset inventory update was conducted for the Western Region, including a parcel level analysis, critical facilities/infrastructure analysis, and estimate of populations potentially exposed to hazards.

Amy outlined the general risk assessment requirements before beginning a detailed discussion of each hazard. She presented details on each hazard that will be included in the draft risk assessment chapter of the new Regional HMP. Refer to the Risk Assessment PowerPoint presentation and forthcoming draft update of the Hazard Identification and Risk Assessment (HIRA) chapter for specific details on each hazard.

Several valuable details were learned during the risk assessment conversation among participants. Amy emphasized that there are some gaps in the data, but the risk

assessment was conducted with the best available data and asked jurisdictions for any local data they may have. Highlights of the discussions are noted by hazard in the tables below; italicized notes indicate Slido poll responses to the question asked following the discussion of each hazard: "What do you think the significance of <hazard> is for your jurisdiction."

| Hazard or Topic | Meeting Discussion |
|----------------------|---|
| Flooding | <ul style="list-style-type: none"> • Jeff Brislawn presented the flood hazard slides • 8 federally declared flooding events in the Western Region since 1953 • Ravalli County DES noted that The Bitterroot and Flathead Rivers is not a tributary to the Missouri. Anything west of the continental divide is not. • Thomas Lane noted that the Kootenai feeds the Columbia River • <i>One suggestion from City of Helena (Lewis and Clark) to move to medium</i> |
| Dam Incidents | <ul style="list-style-type: none"> • Jeff explained that dams are classified by the damage they would cause if they broke, not by the condition that they are in • No comments from HMPC • <i>One suggestion to move Flathead to medium, one to keep it at low</i> • <i>Two suggestions to move Butte-Silver Bow to medium</i> |
| Wildland Fire | <ul style="list-style-type: none"> • Tim Clute with SWCA presented wildfire slides • Tim explained that the blanks on the maps are due to lack of data ranking by the MT DNRC, but it is likely that the rankings in these areas will be high to extreme • Doug Dodge noted that Jefferson, Lewis and Clark, and Broadwater counties have complete wildfire risk mapping in their 2020 CWPP. Doug also noted that he would like to see the wildfire risk analysis reflect local CWPP findings as those don't align with some of the findings from SWCA • Juanita Nelson also noted that beyond just parcels at risk there is the economic impact to be expected, such as the large tracts of privately owned timberlands in Flathead County which could present a huge loss. Juanita noted that Flathead County's most recent CWPP is posted online. • <i>Two suggestions to move Lewis and Clark to high.</i> • <i>Two suggestions to move Butte-Silver Bow to high.</i> • <i>One suggestion to move Park to high.</i> • <i>One suggestion to move Sweet Grass to high.</i> • <i>One suggestion to move Powell to high</i> • <i>One suggestion to move Anaconda-Deer Lodge to high</i> |
| Drought | <ul style="list-style-type: none"> • Amy Carr noted that there has been 252 USDA Disaster Designations in the Western Region from 2012-2021 • Juanita noted that she disagrees with the Highly Likely Probability of drought for Flathead County |

| | |
|----------------------------------|--|
| | <ul style="list-style-type: none"> • <i>Two suggestions to move Flathead to medium.</i> • <i>One suggestion to move Lewis and Clark to medium.</i> • <i>One suggestion to move Lincoln to high.</i> • <i>One suggestion to move Ravalli to medium.</i> • <i>One suggestion to move Sweet Grass to high</i> • <i>One suggestion to move Anaconda-Deer Lodge to high</i> |
| Summer Weather | <ul style="list-style-type: none"> • Amy noted that Ravalli County experienced the most significant property loss in the Western Region due to summer weather (hail). • Erik Hoover with Ravalli County said much of the HMPC was not in their same positions during that time, but he recalls the major damages to vehicles and roofs. He noted that Ravalli County would go as medium rather than high ranking • Juanita Nelson commented that most of the property damage in Flathead County during the summer is due to wind, which is covered in another section. • <i>One suggestion to move Broadwater to high.</i> • <i>One suggestion to move Lewis and Clark to high.</i> • <i>One suggestion to move Ravalli to medium.</i> |
| Tornadoes and Windstorms | <ul style="list-style-type: none"> • Amy noted that most reported events occurred in Lewis and Clark, Beaverhead, and Broadwater counties. • No comments from HMPC. • <i>Two suggestions to move Butte-Silver Bow to low</i> • <i>One suggestion to move Lewis and Clark to low and one to stay medium.</i> • <i>One suggestion to move Flathead to medium.</i> • <i>Two suggestions to change Anaconda-Deer Lodge to low.</i> |
| Winter Storm | <ul style="list-style-type: none"> • Amy noted that severe winter storms are highly likely to occur on a yearly basis in the region. • No further comments from the HMPC. • <i>One suggestion to move Lewis and Clark to low.</i> • <i>One suggestion to move Flathead to high, one to stay medium.</i> • <i>One suggestion to move Butte-Silver Bow to high, one to stay medium.</i> |
| Avalanche | <ul style="list-style-type: none"> • Juanita Nelson noted that John Stevens Canyon/Hwy 2 Corridor are vulnerable to avalanche, with the BNSF and Amtrak Rail Lines present. • <i>Two suggestions to move Flathead to medium</i> • <i>One suggestion to move Lincoln to medium</i> |
| Landslide/Rockfall/Debris | <ul style="list-style-type: none"> • Juanita echoed her previous comment for rockfalls as well and explained that recent events have been minor and primarily impact traffic • Worby McNamee noted that a minor incident that occurred; the North Hills debris flow in 2019 • Madison County DES said they had a minor incident last summer as well • Ravalli County noted rock falls have been common along several primary routes in the County. Erik said Highway 93 has had several rock flows that impacted the transportation system/supply chain. He noted a frequency of 1-2 events a year at minimum in the past 5 years. |

| | |
|-----------------------------|--|
| | <ul style="list-style-type: none"> • Thomas Lane noted that Lincoln County also experiences these events • <i>Two suggestions to move Lewis and Clark to low</i> • <i>One suggestion to move Park to medium</i> • <i>One suggestion to move Lincoln to medium</i> • <i>One suggestion to move Flathead to low</i> |
| Earthquake | <ul style="list-style-type: none"> • Amy noted that Montana is one of the most seismically active states in the U.S., particularly in the western portion of the state. • No comments from the HMPC • <i>One suggestion to move Lewis and Clark to low, one to stay high</i> • <i>One suggestion to move Broadwater to medium</i> • <i>One suggestion to move Flathead to medium, one to stay high</i> |
| Volcanic Ash | <ul style="list-style-type: none"> • Amy highlighted that MT could be vulnerable to ashfall after an eruption from the Cascades in WY, OR, and CA. • No comments from HMPC. • <i>One suggestion to move Lewis and Clark to medium, one to stay low</i> |
| Communicable Disease | <ul style="list-style-type: none"> • Amy noted that the US experiences a pandemic once every 20 years on average. • Juanita with Flathead County noted that they experienced major growth due to COVID-related migrations from urban areas • Ravalli has more people coming to their communities • Madison has seen major growth as well • Lisa Carey noted that Butte cancelled events like Folk Festival and St. Patrick's days due to COVID, which had a major impact to businesses • <i>One suggestion to move Lewis and Clark to low, one to stay medium.</i> • <i>One suggestion to move Ravalli to low.</i> |
| Transportation | <ul style="list-style-type: none"> • Transportation accidents are highly likely to occur across the planning area and shared charts and maps with aircraft, train, and car accidents in the Western Region. • No comments from representatives. • <i>Two suggestions to move Butte-Silver Bow to high.</i> • <i>One suggestion to move Park to medium.</i> • <i>One suggestion to move Lincoln to medium.</i> • <i>One suggestion to move Ravalli to low.</i> • <i>One suggestion to move Broadwater to medium.</i> |
| HazMat | <ul style="list-style-type: none"> • Doug Dodge noted that the response capability should impact overall significance rating for HAZMAT. He explained that rural jurisdictions are going to have a harder time dealing with a HAZMAT situation due to lack of resources and increased response time, so they should be ranked higher. Larger jurisdictions might have higher frequency of occurrence but will be able to respond quickly and are therefore less likely to experience a disaster due to an event. • <i>Two suggestions to move Butte-Silver Bow to medium.</i> • <i>One suggestion to move Lincoln to medium.</i> • <i>One suggestion to move Broadwater to medium.</i> |
| Cyber-attack | <ul style="list-style-type: none"> • No comments from HMPC |

| | |
|----------------|---|
| | <ul style="list-style-type: none"> • <i>All jurisdictions agreed that medium was an appropriate ranking across the Region</i> |
| Human Conflict | <ul style="list-style-type: none"> • There has been a growth in terrorist attacks and active shooter incidents over the past 10-15 years in the US. • No general comments from HMPC. • <i>One suggestion to move Ravalli to low.</i> |

Next steps

Amy summarized the next steps in the process. Wood will finalize the HIRA and share with the counties and jurisdictions once completed. The tasks for each county and jurisdiction are listed below:

- Please return plan update guide input where outstanding
- Provide input on mitigation action status on form (when available)
- Start thinking of ideas for new mitigation actions
- Stay informed by email of upcoming meetings (TBD)
- Review results public survey results
- Review draft HIRA section of plan when available
 - For yellow highlighted gaps where applicable
 - Review for jurisdiction specifics, mitigation ideas

Amy explained each jurisdiction will need at least one new action per hazard and to provide an update on the status of previous mitigation strategies, even if they have not been started or completed. The focus of the next meeting will be to develop new mitigation actions. The HIRA Draft for HMPC review should be available in October, and the next round of planning meetings will take place in January or February. The counties and jurisdictions will receive an email from DES to inform them of the date for the next meeting. Amy emphasized that this is an important meeting and will form the basis for the updated mitigation action plan. The meeting materials will also be shared electronically, including the presentation.

| Project Milestones | Anticipated Timeline |
|--|-----------------------|
| Meeting #2 HIRA review | September |
| HIRA Draft for HMPC review | October |
| Meeting #3 Mitigation Strategy | January – February |
| HMPC Review Draft | April 2023 |
| Public Review Draft | May 2023 |
| MT DES Review Draft | June 2023 |
| Final Plan for FEMA Review (estimated) | June – August 2023 |
| Final Approved HMP for local adoption | August – October 2023 |

ATTENDEES

| <u>Name</u> | <u>Jurisdiction</u> | <u>Title</u> |
|------------------------|-------------------------------------|--------------------------------|
| Amanda Avard | | |
| Amanda Cooley | Powell County DES | DES Coordinator |
| Amy Carr | Wood Environment & Infrastructure | Project Lead – Western Region |
| Andrew Long | Montana DES | Mitigation Coordinator |
| Audrey Walleser-Martin | Montana DES | Western Region DFO |
| Brittney Willis | Broadwater County DES | DES Coordinator |
| Chris Johnson | Wood Environment & Infrastructure | Hazard Mitigation Planner |
| Clifford Brophy | Sweet Grass County DES | DES Coordinator |
| Dale Nelson | CSKT DES | DES Coordinator |
| Dan Pearce | City of Kalispell | Fire Chief |
| Doug Dodge | Jefferson County | DES Coordinator/Fire Warden |
| Emily Geery | SWCA | Fire and Forestry Planner |
| Erik Hoover | Ravalli County DES | DES Coordinator |
| Greg Coleman | Park County DES | DES Coordinator |
| Hannah Shultz | Montana DES | Mitigation Coordinator |
| Jackie Bolster | Granite County DES | DES Coordinator |
| Jeff Brislawn | Wood Environment & Infrastructure | Project Manager |
| Jeff Rodrick | Ravalli County | Office of Emergency Management |
| Jessica Kinzer | City of Kalispell | Assistant Fire Chief |
| Jim Merrifield | Silver Bow County DES | DES Coordinator |
| Jon Lopp | Meagher County DES | Sheriff |
| Jordan Green | City of Deer Lodge | Chief Administrative Officer |
| Juanita Nelson | Flathead County DES | DES Coordinator |
| Juliana Prosperi | Wood Environment & Infrastructure | Project Lead – Eastern Region |
| Kyle Sturgill-Simon | Montana DES | Western DFO |
| Laurel Hamilton | USACE | Omaha District |
| Lisa Carey | City and County of Butte-Silver Bow | Office of Emergency Management |
| Megan Burke | RESPEC | Consultant |
| Mack Chambers | Wood Environment & Infrastructure | GIS Specialist |
| Mike Chambers | City of Helena | Assistant Fire Chief |
| Natalie Schoen | Wood Environment & Infrastructure | Hazard Mitigation Planner |
| Patti Noble | Town of Rexford | Retired BCP |
| Shari Pool | Montana DES | Mitigation Coordinator |
| Sierra Anderson | Lewis and Clark County DES | DES Coordinator |
| Susan Nicosia | City of Columbia Falls | City Manager |
| Thomas Lane | Lincoln County DES | DES Coordinator |
| Tim Clute | SWCA | Fire and Forestry Planner |
| Tom Michalek | RESPEC | Bozeman |

| Name | Jurisdiction | Title |
|---------------|----------------------------|-------------------------|
| Worby McNamee | Lewis and Clark County DES | Interim DES Coordinator |

Attachments: Sign in summary from Meeting Chat Log, Slido Poll results, and PowerPoint Slide Deck

Meeting Chat Log

[9/12 9:54 AM] Patti Noble (Guest)
Patti Noble, Town of Rexford Lincoln County

[9/12 9:55 AM] 287331008266 (Guest)
Samuel Sikes, City Administrator, Libby

[9/12 9:57 AM] Walleser-Martin, Audrey
Audrey Walleser - Western District DFO

[9/12 9:58 AM] Carr, Amy
Amy Carr, Wood E&IS, Lead Planner

[9/12 9:58 AM] Cliff Brophy (Guest)
Clifford Brophy - Sweet Grass Co DES Coordinator

[9/12 9:58 AM] Schoen, Natalie
Natalie Schoen, Wood, Hazard Mitigation Planner

[9/12 9:58 AM] Worby McNameeSierra Anderson- DES Coordinator- L&C County & Worby
McNamee-L&C County Floodplain Manager

[9/12 9:59 AM] Jessica (Guest)
Jessica Kinzer-Asst. Fire Chief-Kalispell Fire Department

[9/12 9:59 AM] Emily Geery
Emily Geery - Project Manager - SWCA Environmental Consultants

[9/12 9:59 AM] Mike Chambers
Mike Chambers, Assistant Fire Chief, Helena Fire Department

[9/12 9:59 AM] Juanita Nelson - Flathead County (Guest)
Juanita Nelson - Flathead County Emergency Management Planner

[9/12 9:59 AM] Johnson, Christopher A
Christopher Johnson, Hazard Mitigation Planner/GIS Analyst, Wood E&IS

[9/12 10:00 AM] Chambers, Mack
Mack Chambers, GIS Analyst, Wood E&IS

[9/12 10:00 AM] Jon Lopp
Jon Lopp, Meagher Co DES

[9/12 10:00 AM] Carey, Lisa
Lisa Carey -Butte-Silver Bow Office of Emergency Management

[9/12 10:01 AM] Prosperi, Juliana
Juliana Prosperi, Wood E&IS, Eastern Region HMP Task Leader

[9/12 10:02 AM] Tim Clute
Tim Clute – SWCA

[9/12 10:04 AM] Shultz, Hannah
<https://www.slido.com/>

[9/12 10:05 AM] Shultz, Hannah
Code: Hazards

[9/12 10:05 AM] Sturgill-simon, Kyle
Kyle Sturgill-Simon – MTDES

[9/12 10:06 AM] Ravalli County OEM (Guest)
Erik Hoover and Jeff Rodrick Ravalli County OEM

[9/12 10:06 AM] Carey, Lisa
Are we able to download and print the power point?

[9/12 10:07 AM] Thomas Lane
Thomas Lane, Lincoln County EMA

[9/12 10:07 AM] Amanda Cooley
Amanda Cooley - Powell County - Planning Director

[9/12 10:07 AM] Susan (Guest)
Susan Nicosia, City Manager, City of Columbia Falls

[9/12 10:07 AM] Thomas (Tom) Michalek
Tom Michalek, RESPEC Bozeman

[9/12 10:07 AM] Johnson, Christopher A
Hi Lisa, We will have the powerpoint, a recording of the meeting, and a meeting summary sent out after the meeting

[9/12 10:07 AM] Prosperi, Juliana

Lisa - we will provide a handout of the slides Amy is presenting today following today's workshop!

[9/12 10:07 AM] Laurel Hamilton USACE (Guest)
Laurel Hamilton - USACE Omaha District

[9/12 10:08 AM] Carey, Lisa
Thank you

[9/12 10:08 AM] Dan Pearce
Dan Pearce- Fire Chief, City of Kalispell

[9/12 10:08 AM] Dale Nelson Emergency manager CSKT
Dale Nelson, Emergency Manager CSKT

[9/12 10:13 AM] Cliff Brophy (Guest)

I have a large file with much of the information that goes with the form. Email servers would not allow me to send it with the form. Is there a drop box or postal box I can send the email or a flash drive?

[9/12 10:13 AM] Cliff Brophy (Guest)
Cliff Brophy, DES

[9/12 10:15 AM] Long, Andrew

Cliff i work with you to find a way to send that into us. ill get back to you after the meeting.

[9/12 10:15 AM] Cliff Brophy (Guest)

Perfect!!!!

[9/12 10:18 AM] Juanita Nelson - Flathead County (Guest)

Radio and cell phone coverage is a major issue for all of us. Even main transportation corridors do not have adequate cell phone coverage.

[9/12 10:29 AM] Jordan Green
Jordan Green, Chief Administrative Officer, City of Deer Lodge

[9/12 10:31 AM] Ravalli County OEM (Guest)

The Bitterroot River is not a tributary to the Missouri

[9/12 10:32 AM] Ravalli County OEM (Guest)

Neither is the Flathead

[9/12 10:34 AM] Carr, Amy

Thanks for comment and noting that. We will make sure that is revised and stated correctly in the draft plan.

[9/12 10:34 AM] Ravalli County OEM (Guest)

The Kootenai may not be either, you probably should check on that one

[9/12 10:35 AM] Ravalli County OEM (Guest)

Anything west of the Continental Divide is not

[9/12 10:37 AM] Thomas Lane

Kootenai feeds the Columbia

[9/12 10:54 AM] Doug Dodge

Jefferson, Lewis & Clark, and Broadwater have complete wildfire risk mapping in our 2020 CWPP. I would like to see the wildfire risk analysis reflect local CWPP findings, as those don't agree with some of your findings.

[9/12 11:01 AM] Carr, Amy

Thanks for pointing this out, Doug. Would you be able to share that data and CWPP with us?

[9/12 11:01 AM] Juanita Nelson - Flathead County (Guest)

It's not just the parcels at risk, but also the economic impact.

[9/12 11:02 AM] Juanita Nelson - Flathead County (Guest)

Flathead County has large tracts of privately owned timberlands

[9/12 11:02 AM] Doug Dodge

It's critical that the data developed in the CWPP is reflected in this plan. We can't have conflicting risk assessments, for example.

[9/12 11:03 AM] Juanita Nelson - Flathead County (Guest)

Flathead County's most recent CWPP is posted online

[9/12 11:03 AM] Doug Dodge

Will send it again. I sent it when this kicked off.

[9/12 11:10 AM] Emily Geery

Hi Doug - we're able to access the 2020 CWPP Update online. We

[9/12 11:10 AM] Juanita Nelson - Flathead County (Guest)

Disagree with the Highly Likely Probability of drought for Flathead County

[9/12 11:11 AM] Emily Geery

We'll follow up with you on this topic offline.

[9/12 11:11 AM] Brislawn, Jeff P
Good catch we will adjust that.

[9/12 11:13 AM] Juanita Nelson - Flathead County (Guest)
Most of our property damage from Severe Summer Weather is due to wind

[9/12 11:15 AM] Ravalli County OEM (Guest)
Ravalli County would go with Medium for this

[9/12 11:26 AM] Juanita Nelson - Flathead County (Guest)
John Stevens Canyon/Hwy 2 Corridor with BNSF and Amtrak Rail Line.

[9/12 11:28 AM] Worby McNamee
Minor- North Hills debris flow in 2019

[9/12 11:28 AM] Juanita Nelson - Flathead County (Guest)
Avalanche and Rockfalls

[9/12 11:28 AM] Madison County DES (Guest)
Minor incident last summer

[9/12 11:28 AM] Ravalli County OEM (Guest)
rock falls have been common along several primary routes in ravalli county

[9/12 11:28 AM] Thomas Lane
Yes, both rock and land slider are common in the county

[9/12 11:29 AM] Juanita Nelson - Flathead County (Guest)
recent history of rockfalls has been minor - primarily traffic hazards

[9/12 11:43 AM] Juanita Nelson - Flathead County (Guest)
Flathead County had major growth due to COVID

[9/12 11:43 AM] Ravalli County OEM (Guest)
We still have more people coming to our communities

[9/12 11:44 AM] Madison County DES (Guest)
Major growth as well

[9/12 11:44 AM] Carey, Lisa
Butte cancelled events like folk festival and st patrick days. major impact to businesses

[9/12 11:47 AM] Cliff Brophy (Guest)
I have a report of pipeline leak, going to jump off. Will catch up with someone later to finish Sweet Grass input.

[9/12 11:47 AM] Cliff Brophy (Guest)
Thanks!!

[9/12 11:48 AM] Johnson, Christopher A
Thank you for joining us!

[9/12 11:52 AM] Doug Dodge
Response capability should impact overall significance rating in HAZMAT

[9/12 11:58 AM] Susan (Guest)
I have to jump off to go to another meeting. Thank you for the detailed data. Look forward to getting slides.

[9/12 12:03 PM] Thomas (Tom) Michalek
Please send the recording/Powerpoint to me as well. Tom.michalek@respec.com, if you don't have my email. Thanks!

[9/12 12:05 PM] Madison County DES (Guest)
Joseph Brummell Madison CO DES

[9/12 12:05 PM] Carey, Lisa
Jim Merrifield BSB OEM

[9/12 12:05 PM] Jackie Bolster
Jackie Bolster - Granite County DES

[9/12 12:05 PM] Worby McNamee
Sierra Anderson-DES Coordinator, sianderson@lccountymt.gov

[9/12 12:05 PM] Brislawn, Jeff P
Jeff Brislawn, Project Manager, Wood

[9/12 12:06 PM] Carey, Lisa
Thank you!

[9/12 12:06 PM] Doug Dodge
Doug Dodge, Jefferson County DES Coordinator

wood.

MT Western Region HMPC Meeting #2

01 - 17 Sep 2022

Poll results

slido

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- What jurisdiction do you represent?
- What do you think the significance of flooding is for your jurisdiction?
- What do you think the significance of dam failure is for your jurisdiction?
- What do you think the significance of wildland and rangeland fire is for your jurisdiction?
- What do you think the significance of drought is for your jurisdiction?
- What do you think the significance of severe summer weather is for your jurisdiction?
- What do you think the significance of tornadoes & windstorms is for your jurisdiction?
- What do you think the significance of severe winter weather is for your jurisdiction?
- What do you think the significance of avalanche is for your jurisdiction?
- What do you think the significance of landslide is for your jurisdiction?
- What do you think the significance of earthquake is for your jurisdiction?

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- What do you think the significance of volcanic ash is for your jurisdiction?
- What do you think the significance of communicable disease is for your jurisdiction?
- What do you think the significance of transportation accidents is for your jurisdiction?
- What do you think the significance of hazardous material incidents is for your jurisdiction?
- What do you think the significance of cyber-attack is for your jurisdiction?
- What do you think the significance of human conflict is for your jurisdiction?

What jurisdiction do you represent?

0 1 6

- Town of Eureka
- Butte-Silver Bow County
- City of Libby
- Philipsburg, Granite County
- Flathead county, Columbia Falls
- City of Helena
- City of Deer Lodge
- Kalispell
- Broadwater County
- Powell County
- Park County, City of Livingston,
Town of Clyde Park
- Flathead
- Meagher County
- Sweet Grass County
- Ravalli County
- Butte-Silver Bow
- Lincoln County
- Lewis and Clark County

What do you think the significance of flooding is for your jurisdiction?

0 1 5

High



Medium



Low



What do you think the significance of dam failure is for your jurisdiction?

0 1 4

High

0 %

Medium

36 %

Low

64 %

What do you think the significance of wildland and rangeland fire is for your jurisdiction?

0 1 6

High



Medium



Low



What do you think the significance of drought is for your jurisdiction?

0 1 6

High



Medium



Low



What do you think the significance of severe summer weather is for your jurisdiction?

0 1 4

High



Medium



Low



What do you think the significance of tornadoes & windstorms is for your jurisdiction?

0 1 4

High



Medium



Low



What do you think the significance of severe winter weather is for your jurisdiction?

0 1 4

High



Medium



Low



What do you think the significance of avalanche is for your jurisdiction?

0 1 4

High

0 %

Medium

21 %

Low

79 %

What do you think the significance of landslide is for your jurisdiction?

0 1 3

High

0 %

Medium

31 %

Low

69 %

What do you think the significance of earthquake is for your jurisdiction?

0 1 5

High



Medium



Low



What do you think the significance of volcanic ash is for your jurisdiction?

0 1 4

High

0 %

Medium

7 %

Low

93 %

What do you think the significance of communicable disease is for your jurisdiction?

009

High

0 %

Medium

78 %

Low

22 %

What do you think the significance of transportation accidents is for your jurisdiction?

0 1 3

High



Medium



Low



What do you think the significance of hazardous material incidents is for your jurisdiction?

0 1 4

High

0 %

Medium

71 %

Low

29 %

What do you think the significance of cyber-attack is for your jurisdiction?

0 1 3

High

0 %

Medium

100 %

Low

0 %

What do you think the significance of human conflict is for your jurisdiction?

0 1 3

High

0 %

Medium

85 %

Low

15 %