

## APPENDIX A: Planning Process

The planning process to prepare the Crook County Multi-Hazard Mitigation Plan included the following activities; meetings with elected officials; attendance and presentations at town and city council meetings; attendance at meetings of the board of county commissioners; meetings with the Local Emergency Planning Committee (LEPC); interviews with local, state, and federal agency staff; review of existing plans; website postings; and a public meeting in Crook County’s county seat, Sundance.

The planning process is described below in chronological order. The county hired planning contractor, Beck Consulting, in September of 2012. The process was initiated in October 2012. The plan was sent for review to the Wyoming Office of Homeland Security in May of 2013.

The planning project began with a project initiation trip to the county by prime contractor, Barb Beck of Beck Consulting, in October 2012. On this trip, the contractor and emergency management coordinator met with each of the three county commissioners to explain the project and the process. The contractor met with the county planner to discuss and obtain existing plans and to learn about development trends.

### Review of Local Plans and Regulations

Plan name	Date	Comments
Crook County Community Wildlife Protection Plan	2008	Incorporated contents into wildland fire hazard chapter and mitigation projects
Crook County Land Use Plan (Tim Lyons, CC Growth and Development Administrator)	1977	Revoked in 1998, revised four times, addresses only public lands. Crook County has not done so. County has rural addressing.
Crook County Hazardous Material Response Plan	2013	Incorporated project for exercising into the MHMP, plans are consistent with each other
Crook County Zoning Regs	N/A	County has no zoning regulations
Crook County Building Codes	N/A	County has no building codes
Sundance Building Regulations	1992	Requires building permits. Special requirements for fire zone area related to construction materials. Requires compliance with Universal Building Code.
Sundance Zoning Codes	1994	Purpose statement #2 “securing safety from fire, panic, and other dangers.” Establishes districts with permitted uses. Requires erosion control and runoff plan based on town’s judgment.
Sundance Subdivision Regulations	1994	Purpose to coordinate development and protect health, safety, and welfare of residents. Requires drainage plans.
Moorcroft Permits and Ordinances	Misc	Town requires building permits, mobile home permit. Ordinances prohibit open burning and fireworks.
Pine Haven Land Use Plan		
Keyhole Reservoir Emergency Action Plan (EAP)		Maintained by US Bureau of Reclamation Purpose is irrigation in S.D. but also used for recreation
Sundance Pond EAP	2013	County is currently preparing this EAP

The contractor also met with the county LEPC to brief them on the project and explain what their role would be in the preparation of the hazard mitigation plan. During the LEPC meeting, the group reviewed the list of hazards for Crook County contained in the Wyoming Multi-Hazard Mitigation Plan and discussed those hazards that should be profiled in the county's plan. LEPC members shared their knowledge of past events and the degree of concern they had about each of the hazards causing damage in the county. From this meeting, the contractor finalized the list of hazards to be profiled. Meeting notes for this and all other meetings are found later in this appendix.

During November and December 2012, the hazard profiles and risk assessments were developed by subcontractor AMEC Earth and Infrastructure. Also during this time, County Coordinator, Jim Pridgeon continued to meet with and brief the elected officials across the county on the preparation of the MHMP.

Contractor Beck returned to the county in January 2013. On this trip Beck and Pridgeon met with the Moorcroft City Council on January 14, and the Hulett Town Council on January 15. Both were regularly scheduled meetings that were publicly-noticed. The mayors, council persons, town and city staff, and members of the public were in attendance at both meetings along with local media. Beck and Pridgeon briefed the councils, presented hazard information, explained the types of projects that can be included in the plan, gave examples of project types, and then held brief discussions about their local needs. The Moorcroft newspaper published an article about the meeting and plan following their meeting.

Contractor Beck returned again to the county in February 2013. During this trip, she and Pridgeon met with the Pine Haven Town Council at a regularly-scheduled meeting, held a public meeting in the county seat of Sundance on February 11, and met again with the LEPC. Beck briefed all present on the process and preliminary project ideas garnered from previous meetings. Beck briefed the county commissioners and presented the draft plan to them on May 8, 2013. The draft was finalized after a 6-week public comment period during which the draft plan was made available at each government seat in the county.

County Fire Warden and Chief, Gari Gill and Emergency Manager, Pridgeon held the county's annual fire conference in February 2013. Gill handed out the draft wildland fire hazard profile and risk assessment and explained hazard mitigation planning process to fire personnel from across the county in attendance at the meeting.

The contractor and county both worked with the print media in the county before and after the meetings. In some cases articles were prepared by newspaper staff in other cases, the newspapers printed news releases from the contractor. Copies of media coverage are provided in this appendix.

The contractor notified all adjacent county emergency management coordinators by e-mail that hazard mitigation planning was underway in Crook County and invited them to stay informed about the progress through the county's website and offer any input they wished. Input from Campbell County was incorporated.

Crook County maintains a website open to the public. Emergency Management has a homepage on the website. Hazard mitigation planning documents were posted on the website along with notices of upcoming meetings. The hazard profiles and risk assessments were posted in January 2013 and available for review even ahead of the release of the draft plan—which was also posted on the website.



Website screen shot

# **Briefing Paper—October 2012**

## **Crook County, Wyoming**

### **Multi-Hazard Mitigation Plan Update**

#### **What is a multi-hazard mitigation plan (MHMP)?**

A MHMP looks at natural hazards that the county, Sundance, Moorcroft, Pine Haven, and Hulett may be susceptible to and ways to lessen the potential disasters caused by those hazards. The county's existing plan is being updated to make sure the county and its communities are disaster-resistant and less vulnerable to property damage and loss of life from a natural disaster. To remain current, the state and the Federal Emergency Management Agency (FEMA) require that the plan be updated every five years. By getting the plan approved, the county and its local jurisdictions will continue to be eligible to compete for project funds. The county will also be eligible for post-disaster assistance from the state and/or FEMA, in the event of a major disaster. Adoption of the plan is voluntary, but each jurisdiction--the county and the four communities--will need to have at least one mitigation project in the plan and adopt the plan if they wish to qualify for funding and assistance.

#### **What is in the plan?**

The plan will contain profiles of natural hazards such as flooding and wildfires, vulnerability to each hazard, and a history of past disasters. Potential losses from future disasters will be estimated. Goals and projects identified by citizens and local governments will be prioritized and included as appropriate. The plan will also have an explanation of how it was developed, a review of other related plans, and copies of news articles and notes from meetings held to discuss the plan.

#### **How will the plan be revised?**

Using FEMA funds passed through the state, the county has contracted for the plan update with Barb Beck, of Beck Consulting located in Red Lodge, Montana. Working with Crook County Homeland Security, the county, and the four incorporated communities over the next eight months, Ms. Beck and subcontractor AMEC, Inc. will review other local plans for consistency with this plan, update the hazard profiles, and work with elected officials and the Local Emergency Planning Committee (LEPC) to gather input and identify needed goals and projects. A draft plan will be made available for public review in the spring and comments received will be incorporated. The county will submit the plan to the Wyoming Office of Homeland Security and FEMA for technical review. Finally, Sundance, Moorcroft, Pine Haven, Hulett, and Crook County will have the opportunity to adopt and implement the plan. Plan implementation will be dependent on having the resources to do so.

#### **How do we offer input?**

Input is encouraged any time until the plan is adopted. Adoption is targeted for summer 2013. Input from citizens will help make the plan the highest quality possible. Meetings will be designed to gather input and all meetings will be noticed and open to the public. Local newspapers will be provided with meeting information and periodic updates. For more information contact Crook Co. Homeland Security, [homelandsecurity@crookcounty.wy.gov](mailto:homelandsecurity@crookcounty.wy.gov), 283-2390 or Barb Beck, 406 446-3628, [barbbeck@bresnan.net](mailto:barbbeck@bresnan.net). Visit the county's website at [www.crookcounty.wy.gov](http://www.crookcounty.wy.gov) for information on the planning process and to view draft documents.

**Crook County Hazard Mitigation Plan  
Project Initiation Trip  
October 10, 2012**

**1) Meeting with Homeland Security Coordinators**

Orientation to the county (informal discussion about Crook County hazards)

Identify key contacts

- LEPC members
- Other stakeholders (tribes, agencies, academic institutions, etc.)
- Media—contacts for local print media and others as appropriate
- Town, city, county staff (fire, EMS, public works, planning, etc.)

Scheduling

- Project schedule—discuss and finalize
- Meeting schedules for local elected bodies (councils, county commissioners, LEPC)
- Meeting locations

Existing Plans

- Previous versions of the Multi-Hazard Mitigation Plan
- EOP, Community Wildfire Protection Plan
- Land Use Plans (county, Sundance, Moorcroft, others?)
- Capital Improvement Plans

List of Hazards for Crook County

- Review the list of hazards to be profiled, verify and adjust list as needed
- Review list of previously identified projects to determine status

**2) Meeting with County Commissioners**

Barb will introduce herself and brief the commissioners. She will explain what a MHMP is and the benefits of completing the plan. She will also talk about the list of hazards to be profiled, the planning process and schedule, and answer any questions they have. She will hand out a briefing paper with contact information.

**3) Meeting with Fire Council**

Barb will introduce herself and brief the council. She will explain what a MHMP is and the benefits of completing the plan. She will also talk about the list of hazards to be profiled, the planning process and schedule, and answer any questions they have. She will hand out a briefing paper with contact information.

# Meeting Agenda

CROOK COUNTY FIRE ADVISORY BOARD AND LOCAL  
EMERGENCY PLANNING COMMITTEE(LEPC)

CROOK  
COUNTY JURY  
ROOM, CROOK  
COUNTY  
COURTHOUSE

10 OCT.2012

1900

**Meeting called by:** GARI GILL  
CROOK COUNTY DEPUTY FIRE WARDEN

DAVE SHRALL  
CROOK COUNTY LEPC CHAIRMAN

## Agenda Items

- a. Chairperson calls the meeting to order.
- b. Secretary takes roll call.
- c. Reading of the minutes of the last Advisory Board Meeting.
- d. Fire Warden financial report.
- e. Old business.
- f. New Business.
- g. Adjourn the meeting.

Topic	Presenter BARB BECK; BECK CONSULTING- EMC-LEPC CHAIRMAN
LOCAL EMERGENCY PLANNING COMMITTEE	
<b>ALL HAZARD MIT. PLAN</b>	
GRANTS	
RADIOS- NARROW BAND PLAN	
TRAINING	

**Crook County Multi-Hazard Mitigation Plan**  
**LEPC Meeting Notes**  
**Sundance, WY.**  
**October 10, 2012**

**Welcome and Introductions**

Participants introduced themselves and contractor, Barb Beck, introduced herself and reviewed the meeting agenda. A one-page briefing paper about the planning process was handed out.

**Multi-hazard Mitigation Planning—What is it?**

A multi-hazard mitigation plan (MHMP) is prepared with the goal of reducing the potential for loss of life and/or property damage from natural disasters. In the planning process we ask the question, what can we do ahead of time to reduce the chances of this happening? Preparing a plan provides the benefit of being able to compete for project funds and also ensures Federal Emergency Management Agency (FEMA) assistance if and when the county experiences a major disaster that exceeds local and state resources. Having this plan completed and approved is like an insurance policy for the county and its residents. The plan will contain hazard histories, goals and projects, and documentation of the planning process.

The exact schedule is still being finalized, but the process will take about nine months. There are review periods by the state and FEMA once the plan is done. After that the county and the incorporated communities can adopt the plan. While adoption isn't required, communities find it's beneficial, they have participated in development of the plan, and they want to adopt it.

**Roles and Responsibilities**

The following entities are all involved in getting the plan done.

- Crook County government: obtained the grant, contracted for services and oversee the contractor, provide copies of existing plans for information, make staff available as resources, identify project ideas, review drafts, and ultimately adopt the plan,
- Local governments of Moorcroft, Pine Haven, and Sundance: provide copies of existing plans, make staff available as resources, identify project ideas, review drafts, and ultimately adopt the plan,
- Contractor: hold, facilitate, and document meetings, do research on hazards, write up the plan, ensure the plan receives FEMA approval,
- Public: attend meetings, provide comments,
- LEPC: be aware of planning process, provide ideas for projects, review draft documents,
- State of Wyoming: review and approve draft plan, serve as technical resource
- FEMA: provide funding to prepare plan, approve final plan, fund projects as available.

## Natural Hazards in Crook County

Contractor, Beck, presented a list of the hazards considered in the Wyoming state plan. The group discussed which of these hazards occurs in Crook County and rated the probability of a damaging event (\$10,000 or more in damages.) A rating of HIGH was given if the LEPC believed the hazard was likely to occur every one to two years. A rating of MEDIUM was given if the LEPC believed the hazard was likely to occur once in every ten years. A rating of LOW was given if the hazard was likely to occur less than every 10 years. The information is summarized in the table below. The hazards that should be profiled in the Crook County plan are highlighted.

Hazard	Probability	Discussion	Decision
<b>Dam Failure</b>	Medium	Crook County has one high hazard dam, Keyhole, operated by the US Bureau of Reclamation. The county has many other smaller dams which have experienced breaches or flooding in the past.	Yes, this hazard needs to be profiled in the plan.
<b>Drought</b>	Medium	Drought occurs in Crook County.	Yes, this hazard needs to be profiled in the plan.
Earthquakes	Low	Crook County does not have any faults. Participants were only aware of a magnitude 3+ quake that had occurred recently in Montana. The state of Wyoming recently did earthquake mitigation work. Crook County was not included nor identified by the state as earthquake prone.	No, this hazard does not need to be profiled in the plan.
<b>Expansive soils</b>	Low	Everyone was aware of expansive soils in the county. They said however that they were unaware of damages as a result of these soils.	The LEPC members acknowledged these soils are present, but do not believe there have been problems. The contractor recommends this hazard should be profiled.
<b>Floods</b>	High	Floods are frequent in the county.	Yes, this hazard needs to be profiled in the plan.
<b>Hail</b>	High	This is a frequent occurrence in the county.	Yes, this hazard needs to be profiled in the plan.
<b>Haz Mat</b>	High	Crook County has an active energy industry with transportation of oil and gas and other products. In addition the county has an interstate and railroad. Anticipated mineral development may mean there is additional exposure to this hazard in the future.	Yes, this hazard needs to be profiled in the plan.
<b>Landslides</b>	High	Crook County experiences frequent landslides. State highways are affected. The WY Department of Transportation is cleaning up a major slide near Devil's Tower now.	Yes, this hazard needs to be profiled in the plan.
<b>Lightning</b>	High	The county experienced over 300	Yes, this hazard needs to be

		wildland fires this season alone. Most of these were lightning-caused.	profiled in the plan.
Liquefaction	None/Low	Low earthquake exposure and no history of occurrences.	No, this hazard does not need to be profiled in the plan.
Meteor impacts	None/Low	The state did not analyze this hazard. Crook County LEPC did not think this was a danger.	No, this hazard does not need to be profiled in the plan.
<b>Mine subsidence</b>	Low	Crook County has a history of mining. There has been some remediation of mines in the county by the state. No one was aware of any existing danger due to mine subsidence.	The LEPC does not recommend profiling this hazard in the plan. The contractor recommends that before a final decision is made to omit this hazard, the state abandoned mines division should be contacted.
Snow avalanche	Low	None of the LEPC members could recall an avalanche in the county that had caused damage or loss of life.	No, this hazard does not need to be profiled in the plan.
<b>Tornadoes</b>	High	The county had 8 tornadoes this past summer. The Emergency Manager believes that tornadoes are underreported in data bases because of the poor Doppler coverage over the county.	Yes, this hazard needs to be profiled in the plan.
Toxic elements	None/Low	The state did not classify this as having the potential to cause a natural disaster. LEPC concurred and felt that any toxics issues would be covered under hazmat.	No, this hazard does not need to be profiled in the plan.
Water quality	None/Low	The state concluded that a water quality incident was more correctly a public health issue. LPEC concurred.	No, this hazard does not need to be profiled in the plan.
<b>Wildland fire</b>	High	This is of high concern in the county. The county has good collaboration within the county, with neighboring counties, and with the Forest Service.	Yes, this hazard needs to be profiled in the plan.
Windblown deposits	Low	The LEPC does not believe this is an issue in Crook County and could not recall any past incidents.	No, this hazard does not need to be profiled in the plan.
<b>Winter storms and blizzards</b>	High	This is a major issue for the county.	Yes, this hazard needs to be profiled in the plan.
Volcanic explosions from Yellowstone	Low	The LEPC does not believe this is an issue in Crook County due to the infrequency.	No, this hazard does not need to be profiled in the plan.

### Wrap-up

The contractors will be doing research on these hazards in the next two months. Barb will come back to present that information as a factual basis for identifying goals and projects. Participants were encouraged to begin thinking about possible project needs. The next meeting to discuss this plan will be scheduled for either December or January. Information about the plan will be posted on the county's website so that it's available to anyone with an interest.



**For immediate release**

To:

October 19, 2012

Contact: Katie Allen 283-1441  
KatieA@crookcounty.wy.gov

**Hazard Planning Underway in County**

Can you still smell the smoke from wildfires that filled the air this past summer, have you driven through the latest landslide areas, and do you remember the flooding two years ago? If you were directly affected you certainly would remember these disasters, and although fortunately no lives were lost, they were costly in terms of response and property damage. In order to anticipate, prevent where possible, and prepare for future potential disasters, Crook County is updating the Hazard Mitigation Plan. "This plan looks at the natural hazards and what we might do ahead of time to reduce potential damage," said County Homeland Security Coordinator, James Pridgeon. "Floods, tornadoes, lightning, severe winter storms, and wildland fires are some of the natural hazards to which citizens of Crook County could be vulnerable."

The original plan is being updated by contractor Barb Beck under the guidance of the Local Emergency Planning Committee or LEPC. Beck was in the county early in October to meet with and brief the county commissioners and work with the LEPC. The work is being funded by the Federal Emergency Management Agency (FEMA) with a 25% county match. The purpose of the plan is to reduce the chances for loss of life and property damage due to natural disasters. All four incorporated communities plus the county will be covered under the plan and have the opportunity to adopt it when completed. Towns, cities, and counties that adopt their local plans can be better prepared and remain eligible for assistance following future disasters.

According to Crook County's Pridgeon, "We need to think about the things we could be vulnerable to ahead of time, such as flooding for example, and take steps to minimize risks where we can. We can't necessarily prevent natural disasters like wildfires or floods, but hopefully we can lessen the impacts and avoid loss of life when we do have a disaster. "

Beck and subcontractor, AMEC Earth and Infrastructure, are currently researching the history of disasters in the county as a basis for predicting future risk. The LEPC will be discussing goals at a future meeting open to the public. According to Beck, "The more participation we have in developing the plan, the better it will be." Information about the plan will be posted on the county's website for people to look at and make comments." That site is [www.crookcounty.wy.gov](http://www.crookcounty.wy.gov).

For additional information you can contact either Pridgeon at 283-2390, or Beck at (406) 446-3628.

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## Hazard planning underway in county

BY KATIE ALLEN

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For additional information you can contact either Pridgeon at 283-2390, or Beck at (406) 446-3628.

For immediate release

To:

January 7, 2013

Contact: James Pridgeon, 283-2390 or  
Katie Allen 283-1441  
KatieA@crookcounty.wy.gov

**Moorcroft and Hulett to Discuss Disaster Planning**

Crook County Homeland Security and Emergency Management Coordinator, James Pridgeon, announced that he and contractor, Barb Beck, will be attending the January 14 and 15 city and town council meetings in Moorcroft and Hulett to discuss the hazard mitigation plan being developed by the county. According to Pridgeon, “We know from the past that we’ll experience natural disasters—disasters such as winter storms, wildland fires, subsidence, and flooding-- in Crook County in the future. We want to be as well prepared as possible when that happens in order to avoid loss of life and property damage.”

The original plan is being updated by contractor Barb Beck under the guidance of the Local Emergency Planning Committee or LEPC. Beck was in the county last fall to brief the LEPC and county commissioners. All four incorporated communities plus the county will be covered under the plan and thus be eligible for assistance following future disasters.

According to Crook County’s Pridgeon, “We need to think about the things we could be vulnerable to ahead of time, and while we can’t prevent natural disasters like blizzards or floods, our hope is to lessen the impacts when they do occur.” Contractor, Beck, will present facts about past disasters in the county and then there will be a brief discussion about specific hazards and concerns for Moorcroft and Hulett.

Pridgeon is encouraging anyone interested in the plan to attend. According to Beck, “The best plan will result if local folks show up and share their thoughts.” Information about the plan is posted on the county’s website. That site is [www.crookcounty.wy.gov](http://www.crookcounty.wy.gov). For additional information you can contact either Pridgeon at 283-2390, or Beck at (406) 446-3628.

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MOORCROFT  
AGENDA  
REGULAR COUNCIL MEETING  
January 14, 2013  
7:30 pm

Visitors: Robert Smoot	Water Bill
Suzie Milliard	Liquor License Extended Hours
Jeanie Smith	Liquor License Extended Hours
Brad Sutherland	NEWEDC
Jim Pridgeon & Barb Beck	County Wide Mitigation

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**CONSENT AGENDA:**  
Minutes of the Regular Council Meeting – December 11, 2012  
Executive Session Minutes – December 11, 2012  
January Bill List 1

**Departmental Reports:**  
Administration  
Police Department / Emergency Management  
Engineer's Update  
Operations Officer  
Maintenance Department  
Fire Department/EMS  
Commission/Board  
Attorney's Update

**Old Business:**  
Property Trade between School District and Town

**New Business:**  
Liquor License Renewals

Mayor's Communication to Council

Adjournment of meeting

**Crook County MHMP**  
**Agenda for Moorcroft and Hulett Council Briefings**  
**January 14, 15, 2013**

1. Introduction of contractor and purpose of plan (hand out briefing paper) (Jim)
2. Stakeholders and roles—Who is doing what? What is your role as elected officials? (Barb)
3. Natural hazards in Crook County
  - Barb to present selected facts from the hazard profile research
4. Types of mitigation projects, examples of projects, preliminary ideas for projects (Barb)
  - Emergency Services
  - Public Awareness and Education
  - Structural Projects
  - Natural Resource Protection
  - Prevention
  - Property Protection
5. Discussion with elected officials (Barb and Jim)
  - What are you most concerned about for your community?
  - What might be done to mitigate these concerns?
6. Next steps and schedule for completion (Barb)
7. How to stay involved and offer input (Jim)
  - website

**Crook County MHMP**  
**Moorcroft City Council Meeting Notes**  
**January 14, 2013**

In attendance: Mayor Steve Blankenship, three council members, police chief, fire chief, city attorney, city administrator, city emergency management coordinator and ambulance service director, and city clerk. Twenty members of the public were also in attendance.

Crook County Emergency Manager, Jim Pridgeon, and contractor, Barb Beck were invited to brief the council at the beginning of the regularly-scheduled, noticed meeting.

Jim explained that the county is preparing this multi-hazard mitigation plan on behalf of the county and the four incorporated jurisdictions. The projects in the plan will represent what the communities want. The plan will ensure that the county is eligible to compete for project funds and also receive assistance from FEMA in the event of a major disaster. Jim introduced planning contractor Barb Beck.

Beck explained that the primary reason for preparing this plan is reduce the chance of loss of life or property from natural disasters. She told the council that if they wished to adopt the plan after it has been completed, they must have at least one project in the plans. Beck provided handouts including a briefing paper about the plan and the planning process and a list of the types of projects the plan may contain with examples for each type of project. She then explained that all of the following entities have a role in the process: the public, the contractor, County Emergency management, the cities and towns, the county, Wyoming Office of Homeland Security, and FEMA. Beck explained the role for each and what is expected of the city.

There are 13 natural hazards being profiled in Crook County (research on the history of occurrences, damages, injuries, etc.) The hazards are dam failure, drought, earthquakes, expansive soils, floods, hail, hazardous materials spills, lightning, landslides, land subsidence, tornadoes, wildland fire, and winter storms. Beck went on to read some facts and figures from a “quiz” with information about hazards in the county from the hazard profile research. Participants guessed which hazard a statement described. The quiz is included in Appendix x.

Following the presentation of information there was a brief open discussion about what hazards could affect Moorcroft since not all of the hazards are present in the city. Some preliminary project ideas include addressing stormwater drainage capacity (inadequate capacity has resulted in previous flooding), an additional siren to reach the high school and Texas Trails areas of the city, developing the old school into a tornado shelter and evacuation shelter, and planning for hazardous material incidents from either the Interstate or the railroad.

Crook County Emergency Manager, Jim Pridgeon, will follow up with the Dan Blankenship, the City Administrator to flesh these ideas out further and add to them.

Hulett Town Council  
January 15, 2013  
7 p.m.

AGENDA

Call to Order  
Pledge  
Roll Call  
Accept Agenda  
Approve of Minutes

Citizens business, oral and written:

- 1 Nick Marty
- 2. Jim Pridgeon *MHP*
- 3. Jason Perry
- 4. Bill and Jeff Neiman- IV Road RV Park.

Police Report:

Attorney Report:

Unfinished Business:

- 1. RDD Plat
- 2. Economic development with Brad Sutherland
- 3. 2<sup>nd</sup> reading of ordinance 3 Series 2012

Pay Bills:

Break from 8:30-8:40

New Business:

- 1. Homeland Security signatures needed

Executive Session – Personnel and possible litigation

Adjourn

Created on 3:53:26 PM 1/15/2013

**Crook County MHMP  
Hulett Town Council Meeting Notes  
January 15, 2013**

In attendance: Mayor Vivian Odell, four council members, police chief, fire chief, town attorney, town emergency management coordinator, and town clerk. Twelve members of the public were also in attendance.

Crook County Emergency Manager, Jim Pridgeon, and contractor, Barb Beck were invited to brief the council at the beginning of the regularly-scheduled, noticed meeting.

Jim reported on some funding that will be available to the town and also reported that the county would be contributing the match on behalf of the town for the hazard mitigation planning project. He explained that the county is preparing this multi-hazard mitigation plan on behalf of the county and the four incorporated jurisdictions. The projects in the plan will represent what the communities want. The plan will ensure that the communities and the county are eligible to compete for project funds and also receive assistance from FEMA in the event of a major disaster. Participating in the plan is like obtaining an insurance policy against future loss. Jim introduced planning contractor Barb Beck.

Beck explained that the primary reason for preparing this plan is to reduce the chance of loss of life or property from natural disasters. She told the council that if they wished to adopt the plan after it has been completed, they must have at least one project in the plan. Adoption is not required, but if the council chooses not to adopt the plan they will not be eligible to compete for project funds or receive post-disaster assistance. Beck provided handouts including a briefing paper about the plan and the planning process and a list of the types of projects the plan may contain with examples for each type of project. She then explained that all of the following entities have a role in the process: the public, the contractor, County Emergency management, the cities and towns, the county, Wyoming Office of Homeland Security, and FEMA. Beck explained the role for each and what is expected from the town.

There are 13 natural hazards being profiled in Crook County (research on the history of occurrences, damages, injuries, etc.) The hazards are dam failure, drought, earthquakes, expansive soils, floods, hail, hazardous materials spills, lightning, landslides, land subsidence, tornadoes, wildland fire, and winter storms. Beck went on to read some facts and figures from a “quiz” with information about hazards in the county from the hazard profile research. Participants guessed which hazard a statement described. The quiz is included in Appendix x.

Following the presentation of information there was a brief open discussion about what hazards could affect Hulett. Some preliminary project ideas include an all-weather bridge to access the wastewater treatment plant, projects related to emergency services at the town’s airport, obtaining a generator for the community center/shelter building. Crook County Emergency Manager, Jim Pridgeon, will follow up with the town to flesh these ideas out further and add to them.

**CROOK COUNTY HAZARD INFORMATION QUIZ**  
**January 2013**

- 1) Number of natural hazards profiled for the county.
- 2) Hazards that are likely to occur every year or every other year.
- 3) The county has had two of these events since 1897.
- 4) This hazard won't create large areas of destruction but could disrupt supply lines and the county has \$3.5 million in structures that could be at risk.
- 5) Most of the recent incidents that have occurred in the county from this hazard have been in and around Moorcroft.
- 6) Crook County ranks 4<sup>th</sup> out of the 23 Wyoming counties for reported damage from this hazard.
- 7) This jurisdiction has the greatest risk of flooding in Crook County.
- 8) This hazard toppled 600 power poles in northeastern Wyoming in 2000.
- 9) A regional event from this hazard could cause \$37 million in damages.
- 10) Total building exposure in the county from this hazard is \$184 million.
- 11) From 2002-2011, Wyoming had three fatalities from this hazard. This same hazard caused one death in Crook County in 1953.
- 12) Pipeline construction should avoid areas subject to this hazard.
- 13) WYDOT spent \$7.8 million in the county from 2004-2012 to fix three areas affected by this hazard.
- 14) The county has one high hazard and 7 significant hazard of these features.
- 15) This hazard is cyclical and potentially the most costly type of disaster the county does/could experience.

# CROOK COUNTY MULTI-HAZARD MITIGATION PLAN

## Types of Mitigation Projects

### January 2013

Crook County's hazard mitigation plan will contain goals and projects to mitigate the potential for property loss or loss of life from natural hazards. Potential mitigation projects fall into one or more of six categories. FEMA requires the county to consider a broad range of mitigation projects in the plan. Each incorporated community as well as the unincorporated area of the county will have a goal with objectives and projects for that particular jurisdiction. In order for a jurisdiction to participate and adopt the plan, they must have at least one project. Some of the projects may qualify for grant funding.

#### Project Types and Examples

##### Public Education and Awareness

- How to prepare ahead of time for a disaster or emergency
- How to create defensible space around your home from wildland fire
- What to do in the event of a hazardous material spill

##### Emergency Services

- Warning sirens
- Hazmat response training, evacuation training
- Protection of critical emergency systems or facilities

##### Prevention

- Actions to influence land and building development such as planning
- Building codes
- Participation in the floodplain program
- Require geological hazard study prior to major pipeline construction

##### Property Protection

- Seismic structural retrofits
- Relocation of structures in hazard-prone areas
- Creation of defensible space around structures

##### Structural Projects

- Tornado shelter
- Installation or upgrades of drainage infrastructure (storm water systems)
- Construction of levees or dikes
- Stream channel modification

##### Natural Resource Protection

- Slope stabilization
- Forest management
- Floodplain protection

# CROOK COUNTY

## HAZARD MITIGATION PLAN MEETING

Monday, February 11, 6:00 p.m.

Crook County Public Meeting Room, Sundance



- Anyone with an interest is encouraged to attend!
- Agenda items include; explanation of the plan/process, facts about past disasters in the county, and discussion of projects
- For more information, contact:  
Emergency Management Coordinator, Jim Pridgeon, 283-2390, or Contractor, Barb Beck, 406 446-3628, or visit [www.crookcounty.wy.gov](http://www.crookcounty.wy.gov)

**Crook County Multi-Hazard Mitigation Plan  
Public Meeting Agenda  
February 11, 2013  
Crook County Courthouse  
Sundance, Wyoming**

**Welcome and introductions**

**What is a MHMP?**

Hand out and run through briefing paper

**What hazards do we have in Crook County?**

Explanation and quiz

**What can we do to prepare?**

Types of projects

Project ideas already identified

Discussion and new project ideas

**What comes next and how do I stay involved?**

**Crook County Hazard Mitigation Plan  
Public Meeting  
Sundance, WY.  
February 11, 2013**

**Welcome**

There were 8 participants at the meeting representing public health, emergency management, and wildland and structural fire.

**What is a Multi-Hazard Mitigation Plan?**

Consultant, Barb Beck, handed out a one-page briefing paper and went through the contents. The purpose of the plan is to reduce the potential for loss of life and property damage from natural resource disasters. The plan will also make the local jurisdictions eligible for project funds and for post-disaster assistance. The briefing paper had contact information and the county's web address where information on the project is being posted.

**What natural hazards do we have in Crook County?**

The 13 natural hazards that have been profiled in this plan are dam failure, drought, earthquake, expansive soils, flood, hail, hazmat, landslides, lightning, mine subsidence, tornadoes, wildland fire, and winter storms. The group took the "quiz" about statistics related to past occurrences of each hazard in Crook County. One additional lightning death, Lee Schloredt, in 1992, needs to be added.

**What can we do to prepare?**

Barb explained that there are six different types of projects we can include in the plan. She gave examples of each of the types of projects. They can range from very simple and easy to accomplish with local resources to complex, costly projects for which grant funds are needed. The project types are:

- Education and awareness
- Emergency services
- Prevention
- Property protection
- Structural
- Natural resource

**Brainstorm of project ideas**

- Put on a training session for a radiological or bioterrorism event
- Assemble information about how many people could need sheltering and determine cache supplies needed. Partner with Public Health on stocking and maintaining food and supplies for this population for the first 72 hours.
- Address the issue of how to shelter pets/small animals. Identify and designate one or more facilities in the county for this purpose—fairgrounds in Sundance for example.
- Educate people about preparing for evacuation with their pets.

- Develop notification system for the county's rural residents (Reverse 911 or other system.)
- Educate citizens on getting information via social media during a disaster.
- Construct a tornado shelter/multi-purpose building for Pine Haven. During summer recreation season there could be a need to shelter up to 1800 people from Keyhole at one time.
- Construct a new fire station geared to hazamat response at Oshoto (proximate to the new in-situ uranium mine)
- Identify all hazmat moving through and across the county to better understand risks and prepare for a spill or release
- Look into what can be done in terms of air quality monitoring related to mine operations (hazmat prep)

### **What comes next?**

The next step in the planning process is to finalize the goals. This will be done after meeting with Pine Haven and Sundance and refining the existing ideas for Hulett, Moorcroft, and the county. Each of these jurisdictions will have a goal in the plan with their projects listed underneath it. The goals should be done in another month. Then the plan will go out for a 6-week public review period that will be announced in the papers. The plan will be available on the county's website as well. After that the state and FEMA will review the plan and then it will be finalized for adoption by the communities and county. Participants were encouraged to contact Jim or Barb with any thoughts or suggestions they might have.

**Crook County Hazard Mitigation Plan  
Public Meeting, Sundance  
February 11, 2013**

Name	Mailing Address	E-mail
Randy Bury Public Health	420 1/2 E MAIN Sundance	randy.bury@wy.gov
Lance PRIDEMORE CROOK COUNTY EMER MGMT	P.O. Box 475 SUNDANCE WY 82170-9	lance.pridemore@crookcounty.wy.gov
Timmy East Crook County Emer Mgmt	P.O. Box 475 Sundance WY 82170-9	AmyBurt@scs.com
Sally Finley Public Health	420 1/2 E Main Sundance	sally.finley@wy.gov
Susan Phipps Sundance Emer	P.O. Box 1350 Sundance	susan.phipps@crookcounty.wy.gov
Lee Habeck	Sundance	
Graig Gill	Box 995 Sundance, WY	grag@crookcounty.wy.gov
Burt Beck	Beck Consulting	

February 2013

# **CROOK COUNTY LEPC MEETING AGENDA**

- **INTRODUCTIONS**
- **PURPOSE**
- **MULTI-HAZARD MITIGATION  
PLAN**
- **HAZARDOUS MATERIAL  
RESPONSE PLAN**
- **Tier II Reporting**
- **ADJOURNMENT**

**Crook County LEPC Meeting  
Sundance, Wyoming  
February 12, 2013**

**Quick review of what an MHMP is**

**Update on the planning process since we last met**

- Completion of the hazard profiles
- Meetings with town/city councils
- Identification of some projects

**Overview of the 13 hazards that have been profiled**

**Project types**

- Projects identified to date
- Discussion on additional project ideas

**Wrap-up**

What comes next?

**Crook County Hazard Mitigation Plan**  
**LEPC Meeting**  
**Sundance, WY.**  
**February 12, 2013**

**Welcome**

There were 12 participants at the meeting representing public health, emergency management, and wildland and structural fire, and industry. Participants introduced themselves. Other business related to the Hazardous Materials Response Plan was conducted.

**What is a Multi-Hazard Mitigation Plan?**

Consultant, Barb Beck, handed out a one-page briefing paper and went through the contents. The purpose of the plan is to reduce the potential for loss of life and property damage from natural resource disasters. The plan will also make the local jurisdictions eligible for project funds and for post-disaster assistance. The briefing paper had contact information and the county's web address where information on the project is being posted.

**What natural hazards do we have in Crook County?**

The 13 natural hazards that have been profiled in this plan are dam failure, drought, earthquake, expansive soils, flood, hail, hazmat, landslides, lightning, mine subsidence, tornadoes, wildland fire, and winter storms. The group took the "quiz" about statistics related to past occurrences of each hazard in Crook County.

**What can we do to prepare?**

Barb explained that there are six different types of projects we can include in the plan. She gave examples of each of the types of projects. They can range from very simple and easy to accomplish with local resources to complex, costly projects for which grant funds are needed. The project types are:

- Education and awareness
- Emergency services
- Prevention
- Property protection
- Structural
- Natural resource

**Brainstorm of project ideas**

- Prepare for an animal disease outbreak (Crook County has already done extensive preparation)
- Implement planned program on fire preparedness for rural properties
- Develop and mail out an informational piece about hazmat hazards by area of the county. Explain what is there and what to do in the event of a spill or release.
- Increase the hazmat response capability by training more individuals to basic level. Encourage people to complete further training to become technician level.

- Work with Chamber/realtors/Clerk and Recorder to Include information on natural hazards in “welcome” packets for residents new to the area.
- Replace the “Arizona” crossings with all-weather bridges at Arch Creek, Oak Creek Road, Spring Creek, and on the Little Missouri so that residents and responders have access during floods.
- Work with/support efforts by the county Natural Resource/Conservation District to address e.coli in and around Keyhole Reservoir.

### **What comes next?**

The next step in the planning process is to finalize the goals. This will be done after meeting with Pine Haven and Sundance and refining the existing ideas for Hulett, Moorcroft, and the county. Each of these jurisdictions will have a goal in the plan with their projects listed underneath it. The goals should be done in another month. Then the plan will go out for a 6-week public review period that will be announced in the papers. The plan will be available on the county’s website as well. After that the state and FEMA will review the plan and then it will be finalized for adoption by the communities and county. Participants were encouraged to contact Jim or Barb with any thoughts or suggestions they might have.

**Crook County Hazard Mitigation Plan  
LEPC Meeting, Sundance  
February 12, 2013**

Name	Mailing Address	E-mail
Paul Schrahl LEPC		
MIKE GRIFFIN STRATA	1900 W WARLOW, GILLETTE	MGRIFAN@STRATA10.COM
Gari Gill	Box 995 Sundance, Wyo.	
Randy Bury	400 1/2 E MAIN Sundance	randy.bury@wyo.gov
John Karajani's	P.O. Box 2410 310 Limestone Gillette WY	JohnK@windsorctinc.com
Paula Williamson	P.O. Box 2410 310 Limestone Gillette WY	PaulaW@windsorctinc.com
Burt Beck	Beck Consulting	burtbeck@breshaw.net
Paul Mayer	Neiman Enterprises	PMAYER@RAPIDNET.COM
M. Ross FETENEY	101284	
Dora Dawkins	Farmers Loop Area	ddawkins@Flaglette.com
Rob Mordenti	Sundance Survival	Rob@SundanceSurvival.com
Jim Pridgeon	Crook County Emergency Management	

# AGENDA

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## TOWN OF PINE HAVEN February 12, 2013



**Workshop - 6:00 p.m. Multi -Hazard Mitigation Plan** – Presented by Jim Pridgeon (Homeland Security) and Barb Beck of Beck Consulting.

**Regular Meeting – 7:00 p.m.**

**Call to Order**  
**Pledge of Allegiance**  
**Roll Call**

**Consent Agenda Matters:** All matters listed under the consent agenda and marked with an asterisk are considered routine by the Town Council and will be enacted by one motion in the form listed below. There will be no separate discussion of these items. If discussion of any item is desired, that item will be removed from the consent agenda and considered separately.

- \* **Approve Agenda – February 12, 2013**
- \* **Approve Minutes – Regular Council – January 22, 2013**
- \* **Approve Bills – January 23, 2013 – February 12, 2013**

**Sheriff's Report – In Packet**  
**Items from the Floor-**

**Old Business-**

1. **Stetson Engineering Project Updates –Heath Turbiville**
2. **Fuller Construction** –Approval of Grader and Backhoe Work Contract for Emergency Work.
3. **Crook County Promotion Board Appointment** – Tabled from January 22, 2013, Council Meeting.

**New Business-**

1. **Rare Elements Resources** – Progress report update on Bear Lodge Project.
2. **Beautification Alliance** – Progress report and timeline for Town Landscaping Project.
3. **Ordinance #1, 2013** - Amendment of Chapter 15, Article 1-4, Section 20 Hardship.
4. **Resolution 19, 2013** – Transfer of \$5,020.30 from Sewer Reserves to pay for the electrical connections to the backup generator.
5. **Resolution 20, 2013** – Establishing Liquor Licenses fees and Actual Costs for Advertising.
6. **Resolution 21, 2013** – Transfer of \$1,670.00 from Operating budget reserves for repairs and annual testing of the Town's alarm system.

**Mayor's Report-**  
**Council Reports-**

**Clerk/Treasurer Reports-**  
**Public Works Reports**  
**Committee Reports –**

**Executive Session** – Potential Litigation - § 16-4-405, iii

**Motion to Adjourn -**

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February 12, 2013

Page 1

**Crook County MHMP  
Pine Haven Town Council Work Session  
February 13, 2013**

In attendance: All four council members, town clerk, public works director, assistant town clerk, fire chief, county emergency manager, and two citizens.

Crook County Emergency Manager, Jim Pridgeon, and contractor, Barb Beck were invited to brief the council during a work session prior to the regularly-scheduled, noticed meeting.

Jim explained that the county is preparing this multi-hazard mitigation plan on behalf of the county and the four incorporated jurisdictions. The county contributed the local match on behalf of the towns and cities. The projects in the plan will represent what the communities want. The plan will ensure that the county is eligible to compete for project funds and also receive assistance from FEMA in the event of a major disaster. The plan is like an insurance policy and can also serve as the basis for future grant applications. Jim introduced planning consultant, Barb Beck.

Beck explained that the primary reason for preparing this plan is reduce the chance of loss of life or property from natural disasters. She told the council that if they wished to adopt the plan, they must have at least one project in the plans. Beck provided handouts including a briefing paper about the planning process and a list of the types of projects the plan may contain with examples of projects. She then explained that all of the following entities have a role in the process: the public, the contractor, County Emergency management, the cities and towns, the county, Wyoming Office of Homeland Security, and FEMA. Beck explained the role for each and what is expected of the town.

There are 13 natural hazards being profiled in Crook County (research on the history of occurrences, damages, injuries, etc.) The hazards are dam failure, drought, earthquakes, expansive soils, floods, hail, hazardous materials spills, lightning, landslides, land subsidence, tornadoes, wildland fire, and winter storms. Beck went on to read some facts and figures from a “quiz” with information about hazards in the county from the hazard profile research. Participants guessed which hazard a statement described. The quiz is included in Appendix A.

Following the presentation of information there was a brief open discussion about what hazards could affect Pine Haven. Some preliminary project ideas included obtaining a second access to and from Pine Haven for escape during a wildland fire or other disaster. The council also indicated support for a project that had been identified in the past--a multi-purpose public safety building that could shelter recreationists at Keyhole Reservoir during tornadoes. During summer weekends there can be as many as 1800 individuals that would need shelter.

The councilors will schedule a work session in the next month to identify their projects. The clerk will post information about the project on the town’s website. Barb will provide a draft project list from the other jurisdictions to the council to help them with thinking about potential projects. Barb explained the rest of the process to complete the plan, get the review, and then adopt and implement.

*Copy of e-Mail sent to Emergency Managers in Carter County, MT (Rebecca McEuen); Powder River County, MT (Ashley Padden); Campbell County, WY (David King) and Weston County, WY. (Doug Jorrey) on January 24, 2013.*

No e-mail addresses were available for emergency managers in the two neighboring counties in South Dakota. Phone messages with this same information were left with the managers in Butte County, S.D. (Martha Wierzbicki) and Lawrence County, S.D. (Paul Johnson) also on January 24, 2013.

Good morning,

You are receiving this e-mail because you coordinate emergency management in a county adjacent to Crook County, Wyoming.

I am the contractor working with Jim Pridgeon, Crook County Emergency Manager. We wanted to let you know that the update of their plan is underway and invite you to offer any input you wish during the process or if you have no specific input, to at least make you aware that we are updating the plan for Crook.

We have held the kick-off meeting, met with the LEPC, and are in the process of meeting with all of the elected bodies to discuss project ideas. The hazard profiles have been updated and will soon be posted on the county's emergency management webpage. [www.crookcounty.wy.gov](http://www.crookcounty.wy.gov) I am also attaching a one-page briefing paper about the project if you'd like some background information. (For those of you in Montana, what Wyoming calls a multi-hazard mitigation plan is the same thing as a PDM plan in Montana.)

If you have any questions or comments please feel free to contact either Jim at 307 283-2390 or me, Barb Beck, at 406 446-3628 or via return e-mail.

Have a great and safe day.

*Barb Beck*

Beck Consulting  
Red Lodge, MT.  
[barbbeck@bresnan.net](mailto:barbbeck@bresnan.net)