

Minutes of the  
Nevada Hazard Mitigation Planning Committee  
27 May 2010

The Nevada Hazard Mitigation Planning Committee (NHMPC) met from 10:31 a.m. until 1:03 p.m. on Thursday, May 27, 2010 at the Council Chambers, City of Caliente Administration Building, 100 Depot Avenue, Caliente, Nevada. These minutes and related documents are posted on the Web site for the committee (<http://www.nbmng.unr.edu/nhmmpc/nhmmpc.htm>).

Attendees included:

Tom Acklin, City of Caliente  
Elizabeth Ashby, Nevada Division of Emergency Management (DEM)  
Ben Bolton, Nevada Division of Forestry  
Joe Curtis\*, Storey County Emergency Management  
Mike Cyphers\*, Henderson Emergency Management  
Rick Diebold\*, City of Las Vegas, Office of Emergency Management  
Ken Dixon, Flood Manager, City of Caliente  
Gary Dunn\*, Carson City of Emergency Management  
Robert Fellows\*, Carson City Public Works  
Kim Groenewold\*, Division of Water Resources  
Terri Garside, Nevada Bureau of Mines and Geology  
Jorge Gonzales, Nevada Division of Forestry, who held the proxy for Mike Dondero\*, NV Division of Forestry  
Juliette Hayes, FEMA Region IX  
Stana Hurlburt, City of Caliente  
Karen Johnson, Division of Emergency Management  
Keith Larson, Mayor, City of Caliente  
Jonathan Price\*, Nevada Bureau of Mines and Geology  
Jim Reagan\*, NV Energy  
Phyllis Robistow, Lincoln County  
Rick Stever, Lincoln County Emergency Management  
Andrew Trelease\*, Clark County Regional Flood Control District  
Jim Walker\*, Nevada Department of Transportation  
Clint Wertz, Planning Director, Lincoln County

\* indicates a member of the Board of Directors.

Members of the Board of Directors of the Committee who were unable to attend include:

Press Clewe\*, Washoe County resident  
Ron Lynn\*, Department of Development Services, Clark County Building Department

### WELCOME AND INTRODUCTIONS

Jon Price chaired the meeting. Attendees introduced themselves. A quorum (a majority of the 13 members of the Board of Directors) was present. Jon explained that the NHMPC meeting was being held in Caliente to allow the Committee members to meet the local officials, to receive insight into the County's hazards, and to see how the County was progressing on the update to the County's Hazard Mitigation Plan.

### APPROVAL OF MINUTES FROM FEBRUARY 11, 2010

The minutes of the February 11, 2010, meetings of the committee were unanimously approved. Minutes of the committee are posted on the NHMPC Web site at [www.nbmng.unr.edu/nhmmpc/nhmmpc.htm](http://www.nbmng.unr.edu/nhmmpc/nhmmpc.htm).

### **LINCOLN COUNTY PRESENTATION**

Rick Stever gave a presentation on the demographics, government, geography, economy, and social profile of Lincoln County. He reported that they are working on updating their County Hazard Mitigation Plan. He went on to report that Lincoln County borders Utah to the east. The County has an area of approximately 6.2 million acres (larger than eight of the U.S. states), of which 97.5% is public land; a population of 4,622 and an average annual growth of 3-4%; and 40,000 acres of public lands that are in the process of being converted to private land, to be used for the Coyote Springs and Toquop development areas. The economic base has been mining (although no metal mines are currently active in Lincoln Co.), the MX project of the 80s, the Nevada Test Site, the Lincoln County Land Act (land that the BLM is selling that will convert to private use), the Yucca Mountain transportation corridors, and energy projects/utility corridors. There is a proposal for a major power line from Idaho that will traverse through Lincoln County to the Coyote Springs development project. There are also proposals for two solar farms in Dry Valley (south of Caliente).

Rick reported that the following mitigation projects and plans are in the works:

#### **Recent Hazard Mitigation Projects:**

- Fuel reductions
- Engineering studies: Panaca flooding
- Geographic information services
- Inventorying and mapping of addresses and critical facilities
- Evacuation plans for secondary evacuation routes
- Run books (address books for emergency responders)

#### **Hazard Mitigation Planning:**

- Dams and drop structures (agricultural area water catchments)
- Fire and landslides
- Flooding
- Winds
- Hazardous materials (transportation routes)

Wildland fires are a major hazard for the County. Fuel reduction projects have had a hand in preventing loss of buildings during wild fires. On the average, approximately 33% of Lincoln County burns every ten years. A sampling of the recent wildland fires include:

- 1980-1989, 860,700 acres burned
- 1990-1999, 146,700 acres burned
- 2000-2009, 860,700 acres burned

Floods are another major hazard to Lincoln County. The January 2005 flood damaged Hwy 93, washed out SR 317, and took out the railroad tracks (a train derailed due to the flood damage to the track).

They have identified the following goals to be used in updating the County's Hazard Mitigation Plan:

- Mapping unmapped floodways
- Revise contacts and administration functions
- Develop a hazard mitigation database
- Identify mitigation strategies
- Improve coordination

- Better use of technology (GIS and Internet)

Rick stated that they have the “STP” problem; as in the “Same Ten People” doing everything, which means they get spread thin.

### **EARTHQUAKE HAZARD IN LINCOLN COUNTY**

Jon Price reported that earthquake faults occur throughout Nevada. The Nevada Bureau of Mines and Geology recently released the map *Quaternary Faults in Nevada* (NBMG Open-File Report 09-9, available at [www.nbmng.unr.edu](http://www.nbmng.unr.edu)). The on-line version of the map is searchable, which allows for searching all known potentially active faults in the area of a specific address. The map is to be used for locating approximate fault locations, and should not be used as a definitive location of faults. If planning to build in one of the zones shown on the map, it is wise to hire a geological consultant to precisely locate faults and determine their frequency of movement. By using the information icon, and clicking on a specific fault, the known information on the fault appears. There are also layers that show the aerial photography and topography.

Due to extension, Nevada is acquiring approximately 1.5 acres of land each year.

Jon distributed Nevada Bureau of Mines and Geology’s Open-File Report 09-8, *Estimated Losses from Earthquakes near Nevada Communities*, available at [www.nbmng.unr.edu/dox/of098/Scenarios/OpenFileReport09-8.pdf](http://www.nbmng.unr.edu/dox/of098/Scenarios/OpenFileReport09-8.pdf). The report contains HAZUS runs for 38 communities in Nevada, essentially all towns with a population of at least 500. The report contains runs for magnitudes 5, 5.5, 6, 6.5, and 7 earthquakes. The runs were compiled using a fault on the Quaternary fault map that is closest to the center of the community. The fault depth is run at 10 km (the average depth of earthquakes in the Great Basin).

According to the U.S. Geological Survey, the probability of a magnitude 6.0 earthquake within the next 50 years occurring near Alamo is between 20-25%, and 10-15% near Caliente. The estimated economic losses would be \$5.1 million for Alamo and \$12 million for Caliente.

HAZUS is an excellent tool that city managers, emergency managers, and planners should use in hazard mitigation, planning, and emergency response and recovery exercises.

The consequences of earthquakes can be huge in Nevada, particularly if individuals are not prepared.

The best thing that can be done to prevent building damage and loss of life or injury is to have current building codes.

Jon’s PowerPoint presentation on “Earthquake Hazards in Lincoln County” is available online at [www.nbmng.unr.edu/EQ/earthquakes.htm](http://www.nbmng.unr.edu/EQ/earthquakes.htm).

### **FLOOD HAZARD IN CHURCHILL COUNTY/CITY OF CALIENTE**

Ken Dixon reassured the Committee that the meeting was being held in a wood frame building and not an unreinforced masonry building.

The City of Caliente has four primary drainages: Antelope Canyon, Meadow Valley Wash, Newman Wash, and Spring Heights. During the January 2005 flood, the Eagle Valley Reservoir overtopped. The community of Ursine, a rural farming community, responded to the flooding by building levees and channels to diminish the amount of flood damage.

Most of Caliente's flood hazard comes from the Clover Creek and Spring Heights washes.

The new flood insurance rate mapping (FIRM), which will take effect on August 5, 2010, puts most of Caliente in high flood-hazard zones. The flood insurance rate increase due to the release of the new maps will increase property and business insurance rates in Caliente by quite a bit. After the 2005 floods, Caliente undertook mitigation efforts on their washes, which decreases their flood hazard. Because the new FIRM maps did not take the mitigation efforts into consideration, Caliente is in the process of requesting map revisions. If the map revisions are approved, the insurance rates should return to previous levels.

### **NATIONAL FLOOD INSURANCE PROGRAM BASICS**

Kim Groenewold discussed the effects Caliente is experiencing because of the Flood Insurance Rate Maps (FIRM) revised maps. Kim acknowledged that there can be insurance implications when communities get new maps.

The old Caliente flood map had a fairly restricted regulatory floodway. The revised maps are slated to be final on August 5, 2010 and now show most of the town of Caliente as special flood hazard area and regulatory floodway. The new maps show zoning changing in some areas from Zone X, low-hazard flood zone, to Zone A, high-hazard flood zone.

Anyone purchasing flood insurance prior to the August 5, 2010 map effective date has the opportunity to have their flood insurance rates "grandfathered" in, which means that their insurance rates will be based on the old zone maps, which could save quite a bit on premiums. For pre-FIRM structures, built before FEMA issued Caliente's first Flood Insurance Rate Maps, flood insurance must be purchased prior to August 5, 2010 to take advantage of FEMA's grandfathering rules and if the policy is ever allowed to lapse, a new policy will be written based on the high-hazard zone rate. Structures constructed post-FIRM may also benefit by being grandfathered in and continue to be eligible even if flood insurance is purchased after August 5, 2010.

Flood insurance rates appear to continue to go up every year.

The National Flood Insurance Program (NFIP) is a federal program designed to provide insurance to property owners. It is available only in NFIP-participating communities.

Flood insurance rates vary by flood zones delineated on Flood Insurance Rate Maps. Insurance is mandatory for all federally-backed loans in high-risk flood hazard zones. Flood insurance covers all eligible losses up to the coverage amount and is not a loan. It can cover damage to two or more adjacent properties from any flooding source.

The following grant programs are available:

- FMA (Flood Mitigation Assistance), Repetitive Flood Claims (RFC), and Severe Repetitive Loss (SRL) grants are designed to reduce claims against NFIP; they must address NFIP insured properties; and mitigated properties must maintain flood insurance in perpetuity.
- Pre-Disaster Mitigation (PDM) and Hazard Mitigation Grant Program (HMGP) grants - Jurisdiction must participate in NFIP if project is located in a high-hazard flood zone.

### **2011 UNIFIED HAZARD MITIGATION GRANT CYCLE INFORMATION**

Elizabeth Ashby reported on FEMA's Unified Hazard Mitigation Assistance (UHMA) Program. Two programs available to Nevada communities are:

- I. HMGP – Post Disaster Mitigation; available after a presidentially declared disaster.
- II. PDMC – Pre-disaster Mitigation; nationally competitive grants for pre-disaster projects and planning activities. PDMC project grants require a Benefit-Cost Analysis and documentation that will support the application. Documentation is critical to a successful proposal.

Elizabeth distributed a leaflet on the “*Unified Hazard Mitigation Assistance Program in Nevada*” (see attached; deadlines are included in the flier).

The Nevada Bureau of Mines and Geology, working with DEM, expects to receive a grant from FEMA to develop a website of all known flood, earthquake, and wildfire data for the state. It will be patterned after California's risk assessment tool. Elizabeth stressed how important it will be to the success of the project to receive help from the communities by having them provide the necessary data when contacted.

### **UPDATES TO THE STATE HAZARD MITIGATION PLAN**

Jim Walker reported that the Nevada State Hazard Mitigation Plan is required to be updated every three years. Nevada's update is due this September. The plan sets the strategy of how the State will respond to a risk. Only hazards identified in the plan can be reimbursed by FEMA when a disaster happens. The Nevada update is approximately 65% complete.

The updated plan will be presented for approval at the August 26, 2010 NHMPC meeting in Lovelock, NV.

The plan updates are posted on the Division of Emergency Management's website ([www.dem.state.nv.us/](http://www.dem.state.nv.us/)).

### **REPORT ON THE STATUS OF GRANTS**

Karen Johnson reported on the status of the following funded projects (see attached):

#### **Hazard Mitigation Grant Program (HMGP)**

- HMGP1540, Waterfall Fire funding;
- HMGP 1583, S. Nevada Floods;
- HMGP 1629, N. NV Flood;
- HMGP 1738, Fernley Floods;

#### **PDM (Pre-Disaster Mitigation) Grant Program:**

- PDM 04/05, HAZUS Data Base Update – Closed;
- PDM 06, Elko Band Council Plan – Closing in June;
- PDM 07, awards for plans for Storey, Esmeralda, and Washoe Counties and the Henderson Sewer project;
- PDM 08, Sky Tavern Wildfire water storage tank, Clark County Mitigation Plan Update; and
- PDM 09, Funding requests from the Carson City Fire Department, Douglas County Emergency Management, DEM, and Washoe County Emergency Management.
- PDM 10, the application period will open in early June 2010

### **ANNOUNCEMENTS OF FUTURE MEETINGS**

Thursday, August 26, 2009, in Lovelock  
Tuesday, November 16, 2009, in Pahrump  
Thursday, November 18, 2010, in Dayton or Yerington

### **PUBLIC COMMENTS**

Ken Dixon commented that, in response to the updated FIRM maps for the Caliente area, Caliente is requesting a letter of amendment, in the hopes of having the maps reverted back to the prior zoning. A recommendation was made that Caliente should look into PDMG funding to continue its flood-control efforts.

The NHMPC group was praised for making the trip to Caliente. Jon Price, on behalf of the NHMPC, thanked the City of Caliente for their hospitality to the Committee.

### **REVIEW OF ACTION ITEMS**

No action items.

### **ADJOURN**

The meeting adjourned at 1:03 p.m.

Respectfully submitted by Terri Garside, June 18, 2010

Nevada Hazard Mitigation Planning Committee  
c/o Nevada Bureau of Mines and Geology  
University of Nevada, Reno/MS 178  
Reno, NV 89557-0178

775-784-4415

**DIVISION OF EMERGENCY MANAGEMENT****Hazard Mitigation Grant Program****FEMA-1540-DR-NV  
DISTRIBUTION****Available Funding**

12-Month Lock-In		\$	726,541.00		
	State Management Costs	\$	226,808.97		
	5% Initiative Public Awareness	\$	36,327.00	\$	36,327.00 Public Awareness
	7% Planning Project	\$	50,858.00	\$	50,352.00 Elko Co.
	Regular Projects	\$	412,547.03	\$	413,053.03 SPWB & State Parks

Requesting Entity	Federal Award	Expended	Balance	Status as of:	1-May-10
Proposals					
State Parks	\$ 87,202.03	\$ 87,202.03	\$ -	The request for closure is pending at FEMA Region IX.	
Elko County	\$ 50,352.00	\$ 50,352.00	\$ -	CLOSED	
SPWB	\$ 325,851.00	\$ 325,851.00	\$ -	The request for closure is pending at FEMA Region IX.	
Public Awareness	\$ 36,327.00	\$ 36,309.92	\$ 17.08	CLOSED	
Subtotal	\$ 499,732.03	\$ 499,714.95	\$ 17.08		
State Management Costs					
UNR	\$ 42,493.20	\$ 40,236.62	\$ 2,256.58		
DEM	\$ 184,315.77	\$ 82,614.38	\$ 101,701.39	No additional expenditures allowed after November 26, 2009.	
Subtotal	\$ 226,808.97	\$ 122,851.00	\$ 103,957.97		
Total	\$ 726,541.00	\$ 622,565.95	\$ 103,975.05		

## Hazard Mitigation Grant Program

FEMA-1583-DR-NV  
DISTRIBUTION

## Available Funding

12-Month Lock-In \$ 533,519.00

	<i>Allowable</i>	<i>Allocated</i>	<i>Difference</i>
5% Initiative	\$ 26,676.00	\$ 25,851.00	\$ 825.00
7% Planning Project	\$ 37,346.00	\$ 37,346.00	-
Regular Projects	\$ 469,497.00	\$ 469,497.00	-

State Parks	State Mgmt
UNR Risk Ass.	
SPWB	

## Proposals

Requesting Entity	Federal Award	Expended	Balance	Status as of:	1-May-10
State Parks	\$ 25,851.00	\$ 25,851.00	\$ -	CLOSED	
SPWB	\$ 469,497.00	\$ 469,497.00	\$ -	The request for closure is pending at FEMA Region IX.	
UNR Risk Assessmt	\$ 37,346.00	\$ 37,346.00	\$ -	Will be sending closure request to FEMA Region IX next month.	
<b>Subtotal</b>	\$ 532,694.00	\$ 532,694.00	\$ -		
State Management Costs	\$ 825.00	\$ 795.71	\$ 29.29		
<b>Total</b>	\$ 533,519.00	\$ 533,489.71	\$ 29.29		



## Hazard Mitigation Grant Program

FEMA-1629-DR-NV  
DISTRIBUTION

## Available Funding

12-Month Lock-In

\$625,497.00

Allowable	
5% Initiative	\$31,274.85
7% Planning Project	\$43,784.79
Regular Projects	\$550,437.36

Requesting Entity	Federal Award	Expended	Balance	Status as of:	1-May-10
<b>Proposals 5% Initiative</b>					
Sparks	\$ 25,125.00	\$ 22,872.00	\$ 2,253.00	Moved to Management Costs	

**Proposals Planning**

State Plan Update	\$ 45,675.00	\$ 45,248.00	\$ 427.00		
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**Proposals Regular Projects**

Washoe Co School	\$ 444,017.00	\$ 33,487.99	\$ 410,529.01	Closed - \$288,024 Transferred to Mgmt costs	
Reno- Lawton Interceptor	\$ 137,680.00	\$ 10,350.00	\$ 127,330.00	Under-going NEPA review.	
<b>Subtotal</b>	\$ 652,497.00	\$ 111,957.99	\$ 540,539.01		

**Management Costs**

UNR - NHMPC support	\$ 150,364.63		\$ 150,364.63		
UNR - Planning Sub. Support	\$ 45,478.73		\$ 45,478.73		
DEM	\$ 96,686.00	\$ 23,675.00	\$ 73,011.00		
<b>Subtotal</b>	\$ 292,529.36	\$ 23,675.00	\$ 268,854.36		

<b>Total</b>	\$ 945,026.36	\$ 135,632.99	\$ 809,393.37		
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\$ 122,480.00	Not committed in Mgmt costs
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## Hazard Mitigation Grant Program

**FEMA-1738-DR-NV  
DISTRIBUTION**
**Available Funding**

12-Month Lock-In			\$	475,538.00		
	Allowable					
	5% Initiative	\$	23,776.90		State Management	\$ 23,253.81
	7% Planning Project	\$	33,287.66	\$ 14,028.00		
	Regular Projects	\$	404,445.44			

**Proposals 5% Initiative**

Requesting Entity	Federal Grant	Expended	Balance	Status as of:	1-May-10
URM inventory - NBMG	\$ 23,776.90		\$ 23,776.90	In process	

**Proposals Planning**

Lyon County Plan I	\$ 33,287.66		\$ 33,287.66	In process	
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**Proposals Regular Projects**

Lyon County Plan II	\$ 14,028.00	\$ -	\$ 14,028.00	In Process	
City of Reno Dant Wash	\$ 304,000.00	\$ -	\$ 304,000.00	Pending NEPA & FEMA Funding	

<b>Subtotal</b>	\$ 318,028.00	\$ -	\$ 318,028.00		
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State Management Costs	\$ 23,253.81	\$ 1,061.33	\$ 22,192.48		
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<b>Total</b>	\$ 398,346.37	\$ 1,061.33	\$ 397,285.04		
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## DIVISION OF EMERGENCY MANAGEMENT

## Pre-Disaster Mitigation Grants

## 2004-2005

Requesting Entity	Federal Grant	Expended	Balance	Status as of:	1-May-10
UNR-BMG	\$ 60,063.50	\$ 60,063.50	\$ -	CLOSED	

## 2006

Requesting Entity	Federal Grant	Expended	Balance	Status as of:	1-May-10
Elko Band Council	29,115.00	29,115.00	\$ -	FEMA Approved Plan - Closing next month	

## 2007

Requesting Entity	Federal Grant	Expended	Balance	Status as of:	1-May-10
Storey County Plan	\$ 26,377.50	\$ 26,377.50	\$ -	FEMA Approved Plan - Closing next month	
Esmeralda Co. Plan	\$ 24,949.50	\$ 24,725.32	\$ 224.18	Sent to FEMA for Review	
Washoe Co. Plan	\$ 38,406.75	\$ 35,302.14	\$ 3,104.61	Sent to FEMA for Review	
Henderson Sewer	\$ 377,853.00	\$ -	\$ 377,853.00	In process	
<b>Subtotal</b>	\$ 467,586.75	\$ 86,404.96	\$ 381,181.79		

## Management Cost

UNR	\$ 44,000.00	\$ 41,545.00	\$ 2,455.00		
DEM	\$ 2,779.00	\$ 2,779.00	\$ -		
<b>Subtotal</b>	\$ 46,779.00	\$ 44,324.00	\$ 2,455.00		

<b>Total</b>	\$ 514,365.75	\$ 130,728.96	\$ 383,636.79		
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## 2008

Requesting Entity	Federal Grant	Expended	Balance	Status as of:	1-May-10
Reno - Sky Tavern Wildfire	\$ 464,081.50	\$ -	\$ 464,081.50	Pending approval of NEPA review at FEMA	
Clark Co. Mit Plan update	\$ 56,985.42	\$ -	\$ 56,985.42	In Process	
<b>Subtotal</b>	\$ 521,066.92				

Management Costs (10% of federal funds received)	\$ 52,106.69	\$ -	\$ 52,106.69	Pending FEMA Funding	
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<b>Total</b>	\$ 573,173.61	\$ -	\$ 52,106.69		
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### Pre-Disaster Mitigation Grants

#### 2009 - Pending Funding

Requesting Entity	Federal Grant	Expended	Balance	Status as of: 1-May-10
Douglas County Emerg. Mgmt.	\$ 482,580.00	\$ -	\$ 482,580.00	On Hold Due to Funding issue at FEMA for NEPA Review
Douglas County Emerg. Mgmt.	\$ 488,325.00	\$ -	\$ 488,325.00	On Hold Due to Funding issue at FEMA for NEPA Review
<b>Subtotal</b>	\$ 970,905.00		\$ 970,905.00	

Management Costs (10% of federal funds received)	\$ 97,090.50		\$ 97,090.50	Pending FEMA Funding
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<b>Total</b>	\$ 1,067,995.50	\$ -	\$ 1,067,995.50	
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#### 2010 - Pending Funding

Requesting Entity	Federal Grant	Expended	Balance	Status as of: 1-May-10
City of Reno JES Wildland Fuel	\$ 500,000.00		\$ 500,000.00	Pending FEMA Funding
Douglas Co. - 395 Culvert Proj.	\$ 1,350,000.00		\$ 1,350,000.00	Pending FEMA Funding
TRFP - Demo Edison Way	\$ 834,597.00		\$ 834,597.00	Pending FEMA Funding
Lincoln Co. Plan Update	\$ 30,799.00		\$ 30,799.00	Pending FEMA Funding
<b>Subtotal</b>	\$ 2,715,396.00	\$ -	\$ 2,715,396.00	

Management Costs (10% of federal funds received)	\$ 271,539.60		\$ 271,539.60	Pending FEMA Funding
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<b>Total</b>	\$ 2,986,935.60	\$ -	\$ 271,539.60	
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## Eligible Activities by Program

Eligible Activities	HMGP	PDM	FMA	RFC	SRL
<b>1. Mitigation Projects</b>	✓	✓	✓	✓	✓
Property Acquisition and Structure Demolition	✓	✓	✓	✓	✓
Property Acquisition and Structure Relocation	✓	✓	✓	✓	✓
Structure Elevation	✓	✓	✓	✓	✓
Mitigation Reconstruction					✓
Dry Floodproofing of Historic Residential Structures	✓	✓	✓	✓	✓
Dry Floodproofing of Non-residential Structures	✓	✓	✓	✓	
Minor Localized Flood Reduction Projects	✓	✓	✓	✓	✓
Structural Retrofitting of Existing Buildings	✓	✓			
Non-structural Retrofitting of Existing Buildings and Facilities	✓	✓			
Safe Room Construction	✓	✓			
Infrastructure Retrofit	✓	✓			
Soil Stabilization	✓	✓			
Wildfire Mitigation	✓	✓			
Post-Disaster Code Enforcement	✓				
5% Initiative Projects	✓				
<b>2. Hazard Mitigation Planning</b>	✓	✓	✓		
<b>3. Management Costs</b>	✓	✓	✓	✓	✓

## State Contacts

### HMGP & PDM

Elizabeth Ashby

NV Division of Emergency Management (DEM)  
(775) 687-0314 - [eashby@state.dps.nv.us](mailto:eashby@state.dps.nv.us)

### FMA, RFC, & SRL

Kim Groenewold

NV Division of Water Resources (NDWR)  
(775) 684-2884 - [groenewold@water.nv.gov](mailto:groenewold@water.nv.gov)

## Dates & Deadlines

March 2010 Nevada UHMA Training – locations and dates to be announced

Early June 2010 FEMA application period opens

**Jun 10, 2010** Notice of Interest forms due to DEM or NDWR

**Jun 24, 2010** Establish eGrants access

**Aug 5, 2010** Scope of Work & Benefit Cost Analysis in eGrants

**Aug 26, 2010** NHMPC meeting – Initial review and comments

**Oct 28, 2010** Full Application Package with backup documentation in eGrants

**Nov 16, 2010** Southern Nevada NHMPC meeting – final review

**Nov 18, 2010** Northern Nevada NHMPC meeting – final review and ranking

**Nov 29, 2010** Final submission of application in eGrants

Early December 2010 State submits applications to FEMA, application period closes



# Unified Hazard Mitigation Assistance Program in Nevada



FEMA



# Hazard Mitigation Assistance (HMA)

HMA under FEMA's Mitigation Directorate unifies the pre-disaster grant programs to better support the overall goal of reducing the loss of life and property due to natural hazards.



The HMA programs: Pre-Disaster Mitigation (PDM), Flood Mitigation Assistance (FMA), Repetitive Flood Claims (RFC), and Severe Repetitive Loss (SRL) provide mitigation grants *annually* on an allocation and competitive basis to State, Territory, Tribal, and local entities. The new unified process achieves economies of scale and portfolio management for Federal, State, and local officials by aligning program requirements in a unified HMA guidance document. The intent of this alignment is to enhance the quality and efficiency of grant awards.

In addition, under the unified process, eligible subapplications submitted but not funded under a specific grant program may also be considered for another mitigation grant program(s).

## Post-Disaster Hazard Mitigation Grant Program (HMGP)

The Hazard Mitigation Grant Program (HMGP) provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration. Authorized under Section 404 of the Stafford Act and administered by FEMA, HMGP was created to reduce the loss of life and property due to natural disasters. The program enables mitigation measures to be implemented during the immediate recovery from a disaster.

<http://www.fema.gov/government/grant/hmgp/>

## Pre-Disaster Mitigation (PDM) Program

The PDM program provides funds to States, Territories, Federally recognized Indian Tribal governments, and communities for hazard mitigation planning and the implementation of mitigation projects prior to a disaster event. The goal of the PDM Program is to reduce overall risks to the population and structures, while also reducing reliance on funding from actual disaster declarations.

[www.fema.gov/government/grant/pdm/index.shtm](http://www.fema.gov/government/grant/pdm/index.shtm)

## Flood Mitigation Assistance (FMA) Program

The FMA grant program provides funding to States, federally recognized Indian Tribal governments, and communities so that cost-effective measures can be taken to reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes, and other structures insured under the National Flood Insurance Program (NFIP). The long-term goal of FMA is to reduce or eliminate claims under the NFIP through mitigation activities.

[www.fema.gov/government/grant/fma/index.shtm](http://www.fema.gov/government/grant/fma/index.shtm)

## Repetitive Flood Claims (RFC) Program

The RFC grant program was created with the goal of reducing flood damages to individual properties for which one or more claim payments for losses have been made under flood insurance coverage and that will result in the greatest savings to the NFIF (National Flood Insurance Fund) in the shortest period of time.

The RFC program is subject to the availability of appropriation funding. RFC grants will be awarded on a national basis without reference to State allocations, quotas, or other formula-based allocations of funds. The funding source for the RFC grant program is the NFIF.

[www.fema.gov/government/grant/rfc/index.shtm](http://www.fema.gov/government/grant/rfc/index.shtm)

## Severe Repetitive Loss (SRL) Program

The SRL program provides funding to reduce or eliminate the long-term risk of flood damage to severe repetitive residential structures insured under the NFIP. The definition of severe repetitive loss as applied to this program is a *residential property* that is covered under an NFIP flood insurance policy, and:

- (a) That has at least four NFIP claim payments (including building and contents) over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or
- (b) For which at least two separate claims payments (building payments only) have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building.

For both (a) and (b) above, at least two of the referenced claims must have occurred within any 1-year period, and must be greater than 10 days apart. The long-term goal of the SRL program is to reduce or eliminate claims under the NFIP through project activities that will result in the greatest savings to the NFIF in the shortest period of time.

[www.fema.gov/government/grant/srl/index.shtm](http://www.fema.gov/government/grant/srl/index.shtm)